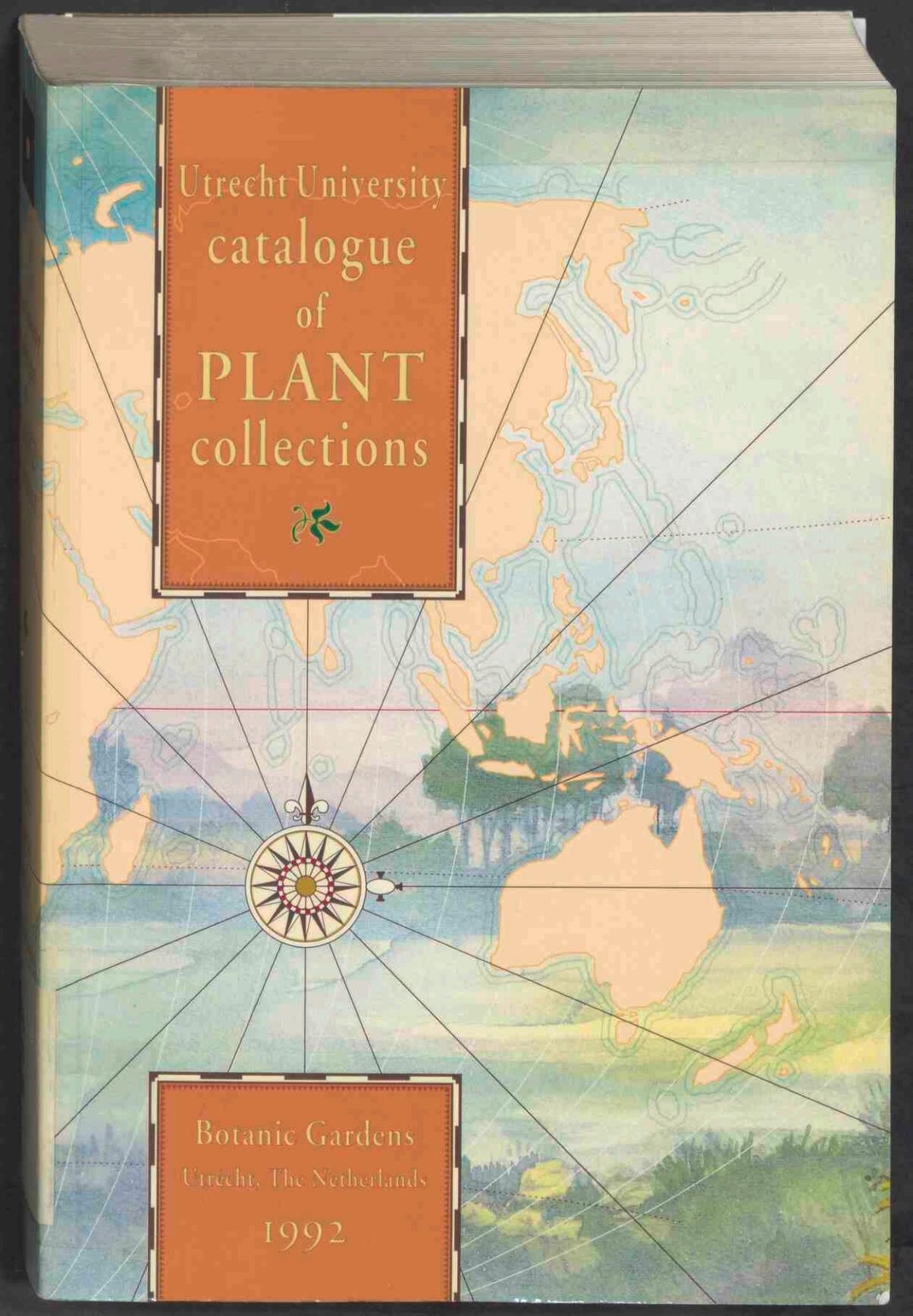




Utrecht University catalogue of plant collections

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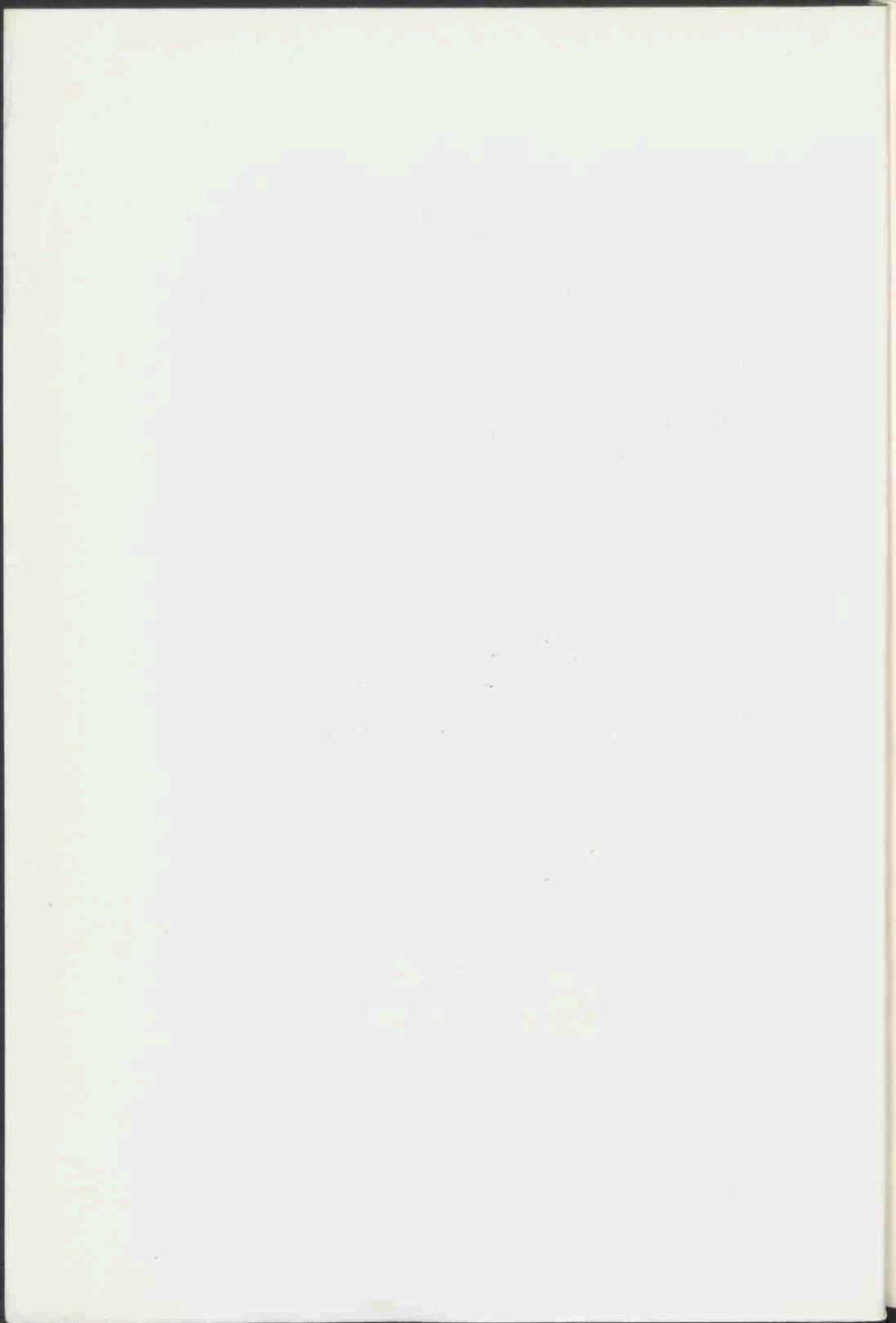


Utrecht University
catalogue
of
PLANT
collections



Botanic Gardens
Utrecht, The Netherlands

1992



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Utrecht University
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collections



RIJKSUNIVERSITEIT TE UTRECHT



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Botanic Gardens
Utrecht, The Netherlands

1992

We are very grateful to the Biology Faculty of Utrecht University
for the generous financial support in the publication
of this CATALOGUE OF PLANT COLLECTIONS, 1992.

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Preface

THE BOTANIC GARDEN is a very old institution, but in the course of time its orientation and some of its main functions regularly changed, though it always remained important for education and instruction.

In recent decades it became too costly for most botanic gardens to maintain large, general, taxonomically ordered collections. Cooperation, division of tasks, and specialization became necessary and enabled the participating gardens to strengthen their roles as stores and keepers of important and viable collections of gene banks. This function has become increasingly important in the present age of gene manipulation, biotechnology and collapsing biodiversity and complies with a world-wide call for conservation. By recognizing this new set of scientific, social, and public obligations, the modern botanic garden moved from a static collection to a dynamic institution.

Utrecht Botanic Gardens is such an active, modern institution, participating in a network, and complying with a set of agreements. It has an active and central position serving scientific research and scientific education; it actively develops facilities and projects for the education of the general public on a variety of contemporary topics; and it is active on conservation, particularly with respect to its specialized holdings of plant collections. These specializations comprise, amongst others,

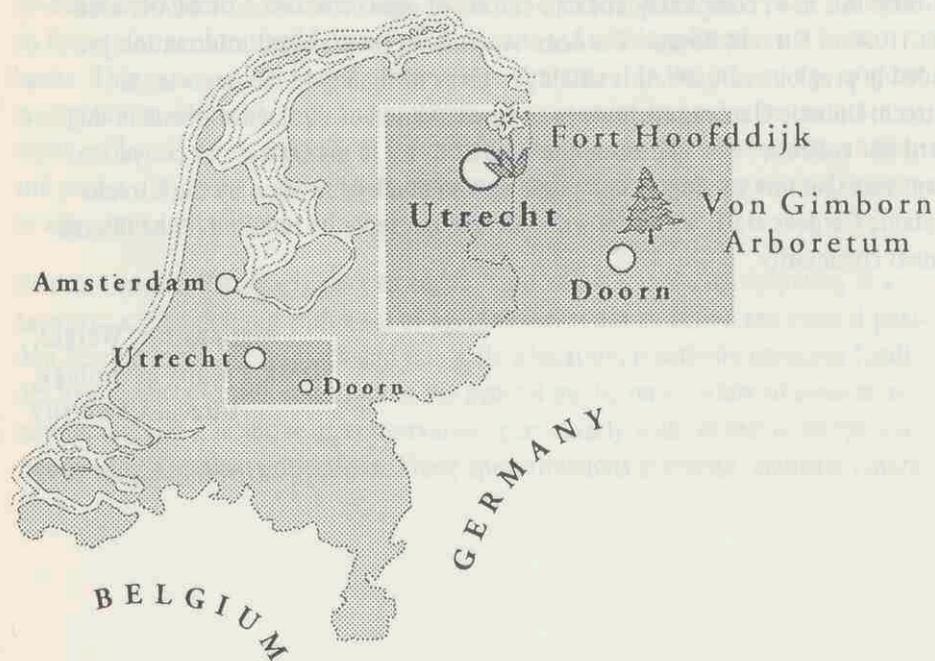
the neotropical collection, the arboretum, and the large collections of *Sedum* and *Silene*. Proper functioning of a modern botanic garden in an international network requires that an up-to-date catalogue is available. A catalogue is invaluable as a source of information on current holdings of plant collections and it provides the basis for cooperation on an international level. It is, therefore, with pride that we publish this new, completely updated edition of our CATALOGUE OF PLANT COLLECTIONS of Utrecht Botanic Gardens. Apart from the standard information provided in previous editions, this catalogue gives testimony to the importance Utrecht Botanic Gardens attribute to the preservation of threatened plants in the gardens' collections by indicating the state of threat to the taxa in our collection. I am sure that this catalogue, compiled with so much dedication by the Utrecht Botanic Gardens staff, will meet with interest and serve its function in the international community.

Marinus J.A. Werger,
Dean, Faculty of Biology,
Utrecht University

Utrecht, August 1992

Geography

Geographical position of the Main Garden	52° 06' N : 5° 11' E
Mean daily minimum of the coldest month	- 0,6°C
Mean daily maximum of the warmest month	+ 21,6 °C
Highest temperature	+ 36,8 °C *
Lowest temperature	- 24,8 °C *
Average rainfall	803 mm



* Monitored since 1849

Utrecht Botanic Gardens is divided over two locations, situated at

'Fort Hoofddijk'

(Main Garden: 7 ha., and Environment Monitor: 6 ha.)

Budapestlaan 17

University centre 'De Uithof', Utrecht

Utrecht is:

- 30 km East of Amsterdam
- 60 min. by train from Amsterdam Airport
- 45 min. by car (motorway A9 and A2 to Utrecht)

Utrecht Botanic Gardens 'Fort Hoofddijk' is:

- 4 km east from the centre of Utrecht
- Easy to reach by public transport from Utrecht Central Station
- by car: motorway A28, branch off at 'De Uithof', follow the signs 'Botanische Tuinen'

'Von Gimborn Arboretum'

(Satellite Garden: 27 ha.)

Vossensteinssesteeg 8

Doorn

Doorn is

- 15 km east of Utrecht

The arboretum is:

- 20 min by car from Utrecht (A12 to Arnhem, branch off at Driebergen)
- Easy to reach by Public Transport

Introduction

SINCE THE PUBLICATION of our previous Catalogue of Plant Collections in 1986, Utrecht Botanic Gardens has seen many major changes. Five out of the six satellite Gardens have been brought together into one Main Garden: Fort Hoofddijk in the university centre 'De Uithof', leaving only one satellite Garden, the Von Gimborn Arboretum. This centralization has been completed in 1991. A long period of building and relocation has thus ended.

One of the most pronounced results of the operation is the modern Greenhouse Complex. This complex contains a research section with 28 separate growing units, three growth-chambers, in which temperature, relative humidity, and light are well-conditioned, and a tropical section of six units and a reception and teaching area.

In both the Main Garden Fort Hoofddijk, and the Von Gimborn Arboretum elaborate facilities for the general public have been introduced. Both locations now each possess an entrance building with an information centre. In relation with this, our staff has been enlarged with an education officer, and a large group of volunteers run the shop, information desk and guided tours.

In association with the extension of the environmental education in the Gardens, two new garden sections have been designed and at this moment partly realized. These are the 'Environment Monitor' (1989) and the 'Theme' Gardens (in preparation for 1992/93). Apart from that, the lay-out of the Systematic Garden has been changed thoroughly to improve its use.

The tasks of Utrecht Botanic Gardens have been changing over the last few years. New target groups have been added and the services to existing groups have been elaborated. The diversification and growth has been especially notable in the experimental work. In some cases new project groups have been added, e.g. Phytopathology.

At present several contracts with horticultural companies have been signed. Special emphasis is on the improvement of horticultural products.

New aims in the field of Conservation have been formulated.

Several tasks will emerge from these aims and these will become an important part of the work. E.g. the Garden's gene bank policy is undergoing change, to incorporate more threatened Dutch plants, especially ligneous plants.

Some educational programmes have already been adapted to these new aims.

Our intention is to establish close cooperation with botanic gardens in the neotropics. Several preparations have already been made.

The survey of our collections is accompanied by the WCMC-code (World Conservation Monitoring Centre) of threatened plants. This has only been possible through the excellent cooperation with Botanic Gardens Conservation International (BGCI, Diana Wyse Jackson). An important recent addition compared to the previous edition of the catalogue is the large collection of *Sedum* which has been added to our database in 1992. The research collection *Silene* still has to be incorporated. The *Sedum* collection in particular is a part of the total collection with a high 'Conservation Value'.

Finally I would like to use this opportunity to express my sincere appreciation for all those who, day after day, contribute to the maintenance of our living collections.

Last but not least I would like to express my thanks to all those who have contributed in one way or another to the realization of this catalogue. All participants have done a lot of work in very little time.

Vijko P.A. Lukkien,
Director, Utrecht Botanic Gardens

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1. The first part of the paper is devoted to a general introduction of the subject and a survey of the existing literature. It is shown that the problem of the stability of the motion of a system of particles is one of the most important problems in mechanics. The stability of the motion of a system of particles is a problem of great importance in many branches of science and engineering. The stability of the motion of a system of particles is a problem of great importance in many branches of science and engineering.

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Part A

Utrecht Botanic Gardens: organization and activities

1 Past and Present

This chapter deals with the various aspects of the organization, activities, and future plans of Utrecht Botanic Gardens.

1.1 History

Despite the fact that the present-day residences of Utrecht Botanic Gardens are of fairly recent date, the history goes way back to 1639.

This includes the Botanic Gardens amongst the oldest, still existing university gardens of The Netherlands.

On March 11, 1639, the initial Hortus was laid out on the stronghold 'Sonnenburch' within the city boundaries of Utrecht.

In 1650, Henricus Regius (1598-1679), in his capacity as director, published the first Garden Catalogue. The collection at that time consisted of 678 species, including varieties and cultivars, of pre-dominantly medicinal and ornamental plants.

In 1724 the Hortus moved to a new site, also within the city walls of Utrecht, along one of the city canals, called the 'Nieuwegracht'. The first greenhouse, heated on peat, dates from 1726.

It took until well after 1900 before this small garden developed into a large complex of Gardens, scattered within the Utrecht Province. This expansion started with the acquisition of 'Cantonspark', at Baarn, in 1920, followed by the estate 'Sandwijk' in 1963, as satellite Gardens.

A special position is attained by the Von Gimborn Arboretum at Doorn, which, after the death of the ink manufacturer Max Von Gimborn, was bought by Utrecht University.

At about the same time, in 1964, a start was made in the construction and lay-out of a botanic garden at 'Fort Hoofddijk' in the new university centre 'De Uithof', the present-day 'Main Garden'. This lay-out, in the first instance, concerned the

construction of a Rock Garden, followed by a Systematic Garden. Finally, the actual concentration of activities at Fort Hoofddijk, the Main Garden Project, was initiated in 1987. This was effectuated by a large-scale move of collections from both the 'Cantons-park' at Baarn, and from the estate 'Sandwijck' at 'De Bilt' (near Utrecht) in 1988 (Lukkien et al. 1989).

The concentration process has been concluded in 1991, by moving the research activities at the Hortus at the 'Nieuwegracht', to the new research facilities at Fort Hoofddijk, combined with the most recent addition of new greenhouses for the project-group Phytopathology of the Willy Commelin-Scholten Institute, which moved from Baarn to Utrecht.

1.2 Present

Main Garden & Arboretum

Today, Utrecht Botanic Gardens comprises two locations, viz. the Main Garden, called 'Fort Hoofddijk', at the Utrecht University centre, 'De Uithof', on the outskirts of Utrecht, and the Von Gimborn Arboretum, situated halfway between the municipalities of Driebergen and Doorn.

The Main Garden, Fort Hoofddijk, comprises a number of separate garden sections, a.o. the Systematic Garden, Rock Garden & Alpine House, Greenhouse Complex, Research Fields, Nature Trail, Environment Monitor, Weed Field, Peat Bog, and small Heather Garden.

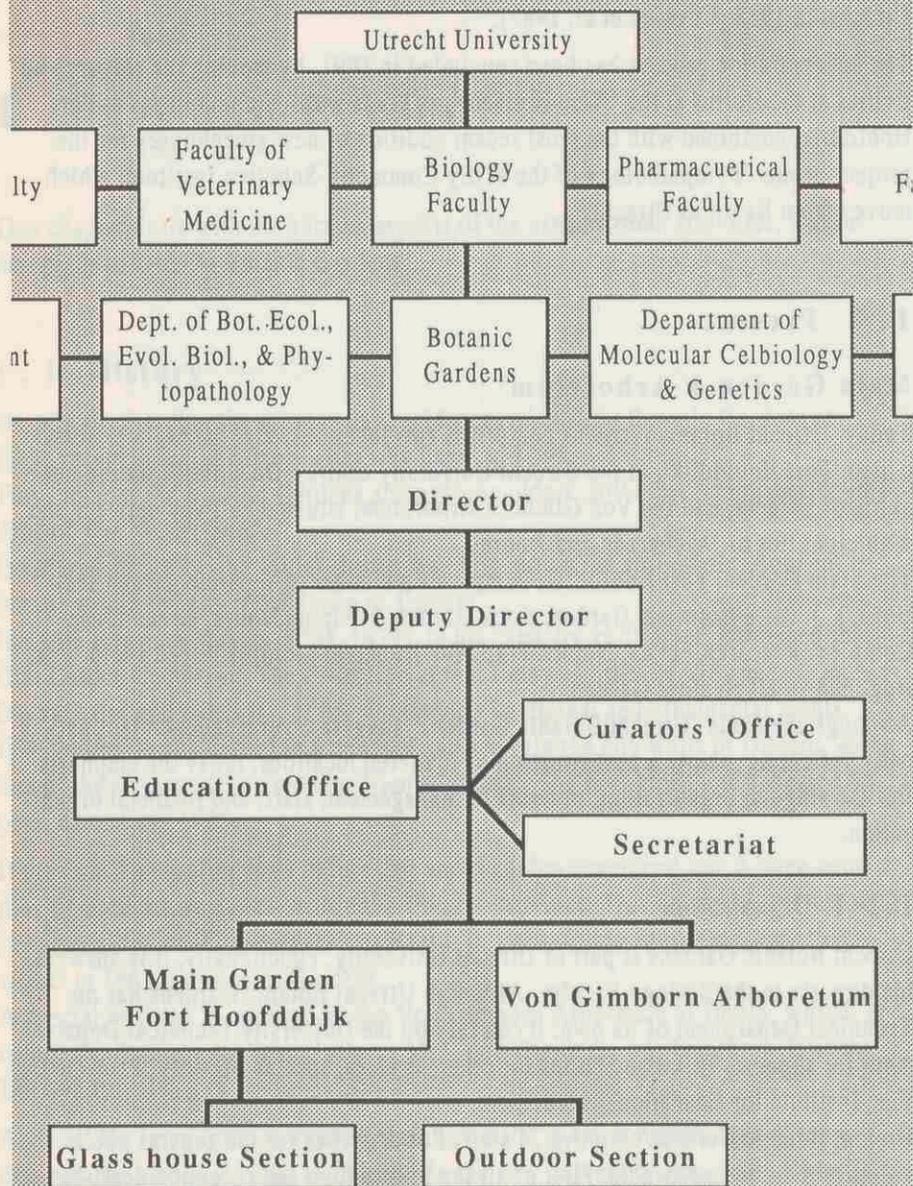
Although the name 'Utrecht Botanic Gardens' suggest several independant gardens, reflecting mainly a past situation of scattered localities, today the emphasis lies the singular organization, in terms of management, staff, and financial organization.

1.2.1 Organization

Utrecht Botanic Gardens is part of Utrecht University. Functionally, it is answerable directly to the Biology Faculty. Although Utrecht Botanic Gardens has no Technical Department of its own, it can rely on the University Technical Department for support. This also applies for other services, such as Security, Printing Office, Institute for Educational Media, etc.

Utrecht Botanic Gardens employs 24 staff. For activities for the general public, volunteers are indispensable. First of all the information and reception desk, but also for guided tours.

Organization Scheme



Utrecht Botanic Gardens receives its regular budget from two sources, viz. the Biology Faculty, and from Utrecht University. The budget from the Biology Faculty is for the service rendered to research groups, whereas the budget from the University level is paid for more general services.

Due to the increasing importance of efficiency, there is a constant tendency to increase labour productivity.

In the past five years, this has been achieved mainly through the centralization of 5 out of 6 separate Gardens into the Main Garden, abandoning all but one satellites. Now that this centralization is over, new ways have to be explored. In more extensive use of machines and computers, efficiency can still be improved.

Because research projects and experiments succeed each other frequently, and a botanic garden possesses a large variety of plants, the mechanization level found in corporations will never be established. In the Greenhouse Complex, mechanization is rather elaborate.

From 1975 onward there has been a rapid development regarding glasshouse types and equipment. Contemporary research requires these modern facilities. The Greenhouse Complex, in its current form, is divided in 32 compartments, and totals 5000 m². The climate in the compartments can be regulated separately. Some of these compartments are supplied with a cooling system, to prevent temperatures from exceeding a selected set standard during summer. The tropical and subtropical greenhouse of 1,050 m² has a ridge height of over 9 m, and houses the general tropical and subtropical collection. A special computer manages the climatic conditions of all compartments. This process-computer controls heating, ventilation (opening and closing of windows), shading, humidity, illumination, and cooling. All this taking in account outside temperature, wind direction and velocity, and light conditions. The information of these factors is fed to the computer by the meteorological station of the Greenhouse Complex. In order to guarantee a reliable energy supply, an adequate auxiliary energy supply system is present.

For specific scientific experiments, three growth-chambers are present, in which the climatic conditions can be maintained extremely accurate, and in which day and night cycles can be manipulated.

Automation of irrigation is very difficult, due to the high diversity of plant species, and the frequent variation of scientific experiments. For irrigation water, rainwater is used, which is gathered in a storage basin. Furthermore, tap water can be made suitable for sprinkling, through reversed osmosis.

Most greenhouses are fitted with aluminium benches, on which up to medium sized plants can be grown. Next to the Greenhouse Complex the Research Area is

situated (2.5 ha.). Here, outdoor scientific experiments can take place. On the Research Area an unheated polythene tunnel greenhouse is present, which both provides better working conditions, and winter protection for vulnerable crops. Furthermore, cold frames are also available. The hardy plants used for educational purposes are also grown here.

1.2.2 Living collections (Curators' Office)

The living collections are maintained by the Curators' Office (see chapter 3). The living collections, according to the latest computer counting now comprise 7,190 species and subspecific taxa, 2,460 different cultivars, of 267 families. Of these taxa, we now hold over 15,000 entries.

The living collections can be divided into a basic collection, research collections, Garden Specializations, educational holdings, threatened plants, and useful plants. These collections partly overlap, due to multiple use.

In order to maintain scientifically worthwhile collections, the Curators' Office possesses a library, and the extensive botanical library of the Institute of Systematic Botany is close at hand. Furthermore, taxonomists from this institute can be consulted on plants from the neotropics. The bulk of the identifications however, is done by the Curator's Office.

Within the living collections, apart from the research collections, the Garden Specializations exemplify highlights, both in quality and expertise. International cooperation concerning these specializations is now under development, after a worldwide inventory amongst botanic gardens working on each of our specializations, in 1991.

1.2.3 Education (Education Office)

Education in Utrecht Botanic Gardens can be divided in two main categories, scientific education and general education. The Gardens always have been involved in scientific education. This was limited to service in terms of plants and support in scientific education. Since a few years the Gardens are actively involved in teaching. Staff members participate in teaching courses such as 'Neotropical Flora', 'Flora, Geology, and Landscape' and 'Environmental Education'.

General education can be divided into two groups: education for secondary-school or college students on one hand, and educational activities for the general public on the other (e.g. Benthem et al. 1989). This is a recent development (since 1989). Special school-programmes are being developed on several subjects such as dispersion, adaptation, and environment. Leaflets, brochures, panels etc. are made to

introduce particular themes to the general public. Examples of these are 'Scent and Smell', 'Botanical Facts in Folkstories' (Kuhn 1991a, 1991b), 'Plant Systematics and Evolution', 'Landscape Dynamics'.

At the Arboretum several means of education are used. Most often guided tours are provided, but at several occasions each year a special (temporary) trail is designed. At present one permanent trail is laid out, which covers the native Dutch trees in the collection.

1.3 Utrecht Botanic Gardens: Future plans

Today, more challenges are to be met by botanic gardens than in the past. Social issues inevitably must affect the goals of these institutions. The most important issue is the global threat to ecosystems, as the result of large-scale deforestation, global warming, and chemical waste. Such issues cannot be ignored, and although an individual botanic garden can only make small contributions to resolving these problems, concerted effort can amount to substantial results (Jong 1985a; Ley et al. 1990). The next paragraph sums up the various contributions, botanic gardens can make.

1.3.1 The role of botanic gardens in conservation

It is now widely recognized that botanic gardens can and should be major players in the conservation and sustainable use of plant diversity. Indeed, there are probably no institutions more suited than botanic gardens to take on an active role in various aspects of plant conservation such as:

- plant exploration and introduction
- cultivation and propagation techniques
- seed physiology, germination and storage
- *ex situ* conservation such as seed banking, *in vitro* storage, field gene banks, clonal collections, pollen banking
- *in situ* conservation and monitoring of target species in small-scale reserves
- research into floral biology, reproductive biology, population structure, genetic and chemical variation in populations
- public education at various levels, exhibitions and displays
- technical training
- species recovery plans
- reintroductions and habitat restorations

Already more than half of the world's 1,600 botanic gardens and arboreta are engaged to some extent in plant conservation activities and in virtually all the gardens being newly established in the tropics, resource conservation is a primary aim.

The BGCI database on the occurrence of rare or threatened plants in botanic gardens already holds nearly 30,000 records of about 10,000 taxa in 400 different institutions. About a third of botanic gardens report having seed banks of some sort with at least 144 of these having low temperature storage facilities. The tendency today is for gardens to grow mainly or exclusively material of known wild origin so that all accessions have a potential value for conservation studies.

An enormous challenge faces botanic gardens if they are to develop their role as the leading centres for the conservation of wild plant resources. New, more rigorous and scientific techniques have to be adopted and cooperative links have to be developed at a local, national, regional and international level with other conservation organizations. Plant conservation cannot be undertaken by botanic gardens operating in isolation but through contributing their part to integrated conservation strategies.

It is essential to keep the public informed and even though most visitors to botanic gardens are seeking peace, tranquillity and recreation, many will respond well if a well-designed conservation message is conveyed to them through labels, displays, exhibitions, leaflets, audiovisuals or special events. As whole plant botany gradually disappears from the academic scene, (a negative development in view of the necessity for monitoring the threat to biodiversity scientifically), botanic gardens are now beginning to occupy centre stage as far as the study, use and conservation of plant diversity is concerned.

Vernon H. Heywood,
director, Botanic Gardens
Conservation International

1.3.2 Further developments at Utrecht Botanic Gardens in the near future

- Strengthening of the services provided for projects in the fields of scientific research, education and commercial horticulture.
- Maintenance and improvement of the quality of the collections. This is amongst others achieved through focusing on specializations in the framework of the Decentralized National Plantcollection. Both national and international coordination and tuning of the collections will be pursued.

- Development of programmes together with a set of activities which contribute to the protection of biodiversity both nationally and internationally. Close cooperation with botanic gardens in the temperate and tropical regions is vital.
- Development of the future policy concerning the Von Gimborn Arboretum. In September 1991 a long-term programme (Lukkien et al 1991) for the Von Gimborn Arboretum was drawn up and presented to the Board of Utrecht University (CvB). Following this presentation, both the Board of the University and the Board of the Biology Faculty have agreed with the programme and made available financial support for it. The programme provides a blockwise renovation and if necessary a replacement of specimens, in order to maintain the collection for the future. Apart from that the programme provides several horticultural and technical improvements which will influence the future exploitation of the Arboretum in a positive way.
- Further development of education and of services to the general public. Here several projects are worth mentioning.

Theme Garden project

The 'Theme' Garden is an educational garden, specially designed to facilitate education on living plants. The garden has to serve an educational purpose for all visitors. It is not intended to be a leisure garden, but a place for learning. Special in the design is that it is accessible to disabled visitors. The learning-aspect has to apply to all visitors, whether they are disabled or not.

There is a 'wind-chime', which is one of the adaptations for disabled, providing visually disabled visitors an opportunity to orient themselves to sounds. Other adaptations are: raised beds, sufficiently wide paths, no steps or other barriers, and a logical lay-out. The extra challenge lies in the presentation of the plants in such a way that the use of more sense-organs, than the eye alone, is encouraged.

Guided tours

Development of the guided tours, information desk and shop. The number of guided tours is increasing. To meet the demands a training course for guides has been developed. The first course (1992) attracted over 30 new guides. Apart from tours 'on request', there are also tours on preset times and days. These are very popular with our visitors.

The information desk and shop are both popular facilities. The volunteers running these two are regularly updated on the developments in the Gardens and they receive an adapted training, based on the training course for guides. Thus, they can answer most questions.

2 Survey of projects and activities serviced by Utrecht Botanic Gardens

The service rendered by Utrecht Botanic Gardens to the various 'customer'-groups is very diverse, and depends mainly on the specific requirements of each individual project.

Service may vary from growing plants, under very specified conditions for research, for scientific education, participation of Garden staff in teaching scientific courses, providing data on collections of plants, (assistance in) organizing exhibitions, etc.

2.1 Scientific Research Projects

Introduction

The first two paragraphs of this chapter list the research to which Utrecht Botanic Gardens renders service in terms of growing plants, which disappear after a certain period, due to use in research. These projects are listed briefly. The service, concerning the maintenance of more permanent research collections, not constituting a well defined family or genus, is explained in more detail here.

When constituting a family or genus, e.g. *Annonaceae*, however, a short description of the service is given here, and reference is made to the more elaborate explanation given in the data-section (Part B), preceding that particular taxon.

The next paragraphs deal with service to various other groups.

References are quoted briefly, full references are given in appendix 1.

2.1.1 Biology Faculty

- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Herbarium
Project-leader: Dr. P.J.M. Maas
Project: *Annonaceae* project. A multidisciplinary project aiming at a classification of the family and a revision of the neotropical genera.
Publications: Koek-Noorman et al. 1990; Maas et al. 1984-1985; 1987; 1992a; Mennega 1989; Setten et al. 1986; 1990; Westra 1985.

Note: A more elaborate review concerning the *Annonaceae* research collection is given in the heading of the this family in the data section.

- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Herbarium
Project-leader: Dr. P.J.M. Maas
Project: Flora of the Guianas. A modern, critical flora of Guyana, Suriname, and French Guiana, designed to treat phanerogams as well as cryptogams.
Publications: Berg 1992; Gouda 1987; Jansen-Jacobs 1988; Polak 1992; Steege 1990. The latter two are the result of the cooperation between Utrecht University and the Tropenbos Foundation.

The aim of this project is to produce the 'Flora of the Guianas'. The project-group coordinates the project and participates together with the botanical institutions of Berlin, Cayenne, Georgetown, Kew, New York, Paramaribo, Paris and Washington and with specialists of other herbaria. The editorial office of the 'Flora of the Guianas' is at the Utrecht Herbarium (A.R.A. Görts-van Rijn, M.J. Jansen-Jacobs). The natural vegetation of the Guianas (Guyana, Suriname and French Guiana) is extremely rich. It is estimated that over 10,000 species of Angiosperms, more than 1,000 Bryophyte taxa, and about 800 fern species are found in this region. Many of them are new to science. Where large parts of the rainforests of the world are endangered, the thinly populated Guianas are relatively undisturbed and an excellent area to study the composition of natural resources.

The flora will be a critical treatment of the plant taxa occurring in the Guianas. It will deal, in principle, with phanerogams and cryptogams. It is based on studies of living and dried (herbarium) collections and of relevant literature.

The flora is designed not only for use by taxonomists. Data gathered during the studies of the various plant groups will be accessible for different users. Whenever possible, it will contain data on the economic value and use (e.g. horticulture), and chapters on wood anatomy of timber-supplying families.

Aims for the living collection

For the project the project-group requires living plants of families that are studied by Utrecht specialists. These families are a.o. *Piperaceae*, *Violaceae*, and *Zingiberaceae* (including *Costaceae*). Apart from this, a general collection of neotropical taxa is necessary to introduce the flora to botanists and students who intend to work in the neotropics by means of a training course (see par. 2.2.1).

Programme

Expansion and improvement of the greenhouse collection for the training course, as well as further development of the greenhouse specialization on neotropical plant species. For this, a seed-collecting trip to Guyana will be undertaken by a staff member of Utrecht Botanic Gardens in 1992. The trip would not have been possible without the generous support by the Biology Faculty, both in terms of money and otherwise.

- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Genome Evolution
Project-leader: Dr. H. 't Hart
Project: Biosystematic and Evolutionary study of *Crassulaceae*: i) speciation and biodiversity in Eurasian *Sedoideae* and *Sempervivoideae*, ii) relationships between *Sempervivum* and the Eurasian species of *Sedum*. Presently most emphasis is put on the study of evolutionary relationships using morphology, transplantation, and hybridization experiments, cytology, phytochemistry (alkaloids, waxes, triterpenoids, flavenoids), physiology (Crassulacean Acid Metabolism), and chloroplast DNA RFLP analysis.
Publications: Eggli et al. (in prep.); Ham et al. 1992; Hart 1990; 1991; Hart et al. 1989; 1991; 1992; Pilon-Smits 1992; Stevens et al. 1992; Webb et al. 1992.

Note: A more elaborate review concerning the *Crassulaceae* research collection is given in the heading of this family in the data part.

- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Biochemistry and Evolutionary Biology of Higher Plants
Project-leader: Dr. J. van Brederode
Project: Patterns of variation in *Silene*.
Publications: Brederode et al. 1987; Nigtevecht et al. 1990; Prentice 1987; Sandbrink et al. 1989; 1990; 1991.

- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Evolutionary Genetics
Project-leader: Dr. G.E.W. Thörig

- Project: Host plant specialization in the *Drosophila melanogaster* species complex: Applied in the detection of introgression. The new genotypes, surviving fruit extracts from *Morinda citrifolia* (*Rubiaceae*), are used in selection experiments as fitness components for the significance of genetic variability.
- Publications: None as yet.
- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
- Project-group: Ecophysiology (a joint-venture of the Biology Faculty & the Tropenbos Foundation)
- Project-leader: Prof. Dr. H. Lambers
- Project: Efficiency of the uptake and utilization of phosphorus and nitrogen for growth by tropical tree seedlings from Guyana.
- Publications: Raaimakers, D. et al. 1991.
- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
- Project-group: Vegetation Ecology
- Project-leader: Prof. Dr. M.J.A. Werger
- Project: Growth strategy of tropical rain forest trees.
- Publications: None as yet (new project).
- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
- Project-group: Vegetation Ecology
- Project-leader: Prof. Dr. M.J.A. Werger
- Project: Allocation patterns in perennial plants. Analysis of patterns of allocation of plant nitrogen and carbon to various plant organs in the course of the life cycle of the plant, with emphasis on strategies of plant growth and reproduction. Plants are studied in the following major groups: monocarps, bulbous plants, climbers, stoloniferous plants, trees, and mosses.
- Publications: Boot et al. 1991; During et al. 1985; Heil et al. 1987; Hirose et al. 1988.
- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
- Project-group: Transportphysiology
- Project-leader: Prof. Dr. C. Kollöffel

- Project: Transport of assimilates in plants.
 Publications: Bel et al. 1991; Dorhout et al. 1991; Lanfermeyør et al. 1991.
- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
 Project-group: Phytopathology
 Project-leader: Prof. Dr. Ir. L.C. van Loon
 Project: Biological control of carnation against *Fusarium* wilt (*Fusarium oxysporum f. sp. dianthi*) by antagonistic fluorescent *Pseudomonas* spp. in hydroculture on rock wool; properties of antagonistic bacteria and mechanisms of induced resistance in plants.
 Publications: Bakker et al. 1991a; Duijff et al. 1991; Peer et al. 1991a; 1991b; 1991c.
- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
 Project-group: Phytopathology
 Project-leader: Prof. Dr. Ir. L.C. van Loon
 Project: Stimulation of growth and suppression of *Fusarium* wilt (*Fusarium oxysporum f.sp. conglutinans*) in radish by saprophytic *Pseudomonas* bacteria and antagonistic fungi.
 Publications: Leeman et al. 1991a; 1991b.
- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
 Project-group: Phytopathology
 Project-leader: Prof. Dr. Ir. L.C. van Loon
 Project: Risk analysis of introduction of genetically modified micro-organisms in the environment: localization, competition and survival of *Pseudomonas* bacteria in the rhizosphere of radish.
 Publications: Bakker et al. 1991b; Raaijmakers, J.M. et al. 1991.
- Department: Molecular Celbiology & Genetics
 Project-group: Molecular Genetics
 Project-leader: Prof. Dr. P.J. Weisbeek
 Project: Expression regulation of nucleair-encoded photosynthesis genes and chloroplast-specific transport of the proteins.
 Publications: Boer et al. 1988; 1991; Vorst et al. 1990; 1992.

2.1.2 **Pharmaceutical Faculty**

- Department: Chemical Pharmacy
Project-group: Pharmacognosics
Project-leader: Dr. W.G. van der Sluis
Project: Education-based research in Pharmacognosics
Publications: Ossenkoppele et al. 1991.

2.2 **Scientific Education Projects**

2.2.1 **Biology Faculty**

- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Herbarium
Project-leader: Dr. P.J.M. Maas
Scientific training course: Neotropical Flora.
Publications: Maas et al. 1992b.

- Department: Biology & Geology (interdepartmental)
Project-group: working-group of the Project-group Herbarium, the Department of Palaeobotany and Palynology, and the Botanic Gardens
Project-leader: coordinator: A.R.A. Görts - Van Rijn
Scientific training course: Flora, Geology and Landscape.
Publications: Lukkien et al. 1992; Westra 1992.

- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Phytopathology
Project-leader: Prof. Dr. Ir. L.C. van Loon
Scientific training course: Plant Pathology
Publications: Manual.

- Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Phytopathology
Project-leader: Prof. Dr. Ir. L.C. van Loon
Scientific training course: Environmental Biology
Publications: Manual.

Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Phytopathology
Project-leader: Prof. Dr. Ir. L.C. van Loon
Scientific training course: Plants and Soil Micro-organisms
Publications: Manual.

Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Phytopathology
Project-leader: Prof. Dr. Ir. L.C. van Loon
Scientific training course: Experimental Week
Publications: None.

Department: Botanical Ecology, Evolutionary Biology, and Phytopathology
Project-group: Transportphysiology & Ecophysiology
Project-leader: Dr. P. Wolfswinkel
Scientific training course: Genetical Science Education. Identification of the limitations of the experimental approach in Biology.
Publications: Manual.

2 . 2 . 2 Inter Faculty

Department: Didactics in Mathematics and Natural Sciences
Project-group: Didactics in Biology
Project-leader: Dr. J. J. Broertjes
Scientific training course: Environmental Education.
Publications: Nijst et al 1986; Winkel et al 1991; Willems et al 1992.

2 . 2 . 3 Pharmaceutical Faculty

Department: Chemical Pharmacy
Project-group: Pharmacognosics
Project-leader: Dr. W.G. van der Sluis
Scientific training course: - Algemene Pharmacognosie (Introduction to Pharmacognosics)
- Farmacognosie (General Pharmacognosics)
Publications: Sluis 1992.

2 . 2 . 4 Faculty of Veterinary Medicine

Department: Veterinary sciences
Project-group: Practical Teaching in Veterinary Pharmacology and Toxicology
Project-leader: Dr. G.H. Veenendaal
Scientific training course: Plants affecting animal health: pharmacological and toxicological aspects.
Publications: Teaching Manual

Department: Large Animal Medicine and Nutrition
Project-group: Zootechnology: Animal Nutrition
Project-leader: Prof. Dr. A.Th. van 't Klooster
Scientific training course: Recognition of (poisonous) grassland-plants.
Publications: Klooster et al. 1992.

2 . 3 Growers and Horticultural Institutions

Contracts, settling the cooperation between Utrecht Botanic Gardens and commercial growers have become of increasing importance in the past few years. The introduction of new species, suitable as additions to the current commercial assortment, nowadays requires more attention, in the form of research and development projects, spanning several years. Botanic gardens, with their specialist knowledge regarding many species, are capable of conducting accurate and specific research on the desired characteristics which should distinguish these plant-products. Concerning this, resistance to pests and diseases, as well as aspects of improvement and propagation, play a major role. For house plants, e.g., it is of utmost importance to add such species as can be grown at lower temperatures and humidity.

The largest *Ficus*-grower in The Netherlands, who sells many thousands of plants to the wholesale per year, and Utrecht Botanic Gardens, have committed themselves by contract to test several new introductions on usefulness, which may become eligible for mass production.

Also commercial growers of ornamental trees and shrubs are very interested in reaching separate agreements, in order to insure product innovation in ornamental flowering shrubs or bacciferous shrubs (e.g. *Euonymus*).

Reference-collections, as present in the Von Gimborn Arboretum, are of great use to commercial growers, in order to provide (contemporary) taxonomic opinions.

2.4 General public

Introduction

The general public has only recently become a target-group of Utrecht Botanic Gardens. The Gardens have been open for the public since the beginning of the century but without any facilities. It took until 1989 before a structural policy to welcome visitors was introduced (Koot et al. 1987; Nijst et al. 1988; Athmer 1989). Facilities were added to the Gardens.

Now this has developed into a service involving one full-time staff member, 16 volunteers running our shop and information-centre, and 44 guides. The number of visitors has increased from approximately 25,000 to over 60,000 in three years. This growth is expected to continue for several years to come.

The basis of the work of Utrecht Botanic Gardens is the scientific use of the collection. This is also reflected in the general education. It means trying to incorporate botanical information into every activity undertaken for the public. Recreation remains the main attraction, but for those visitors who want to learn something about plants, as much information as possible is provided. In order to provide the public a different view on plants, several projects have been initiated. One of the most important projects is the 'Theme' Garden. Another example is 'Environment Monitor'. Extra activities are e.g. guided tours (for more information see par. 1.3). Several parts of the Gardens and their educational use are mentioned below. Environmental education is an important use of our Garden and plant collections. The 'Buitenfort' Garden for native plants, the Weed Field, the Peat Bog and the Environment Monitor are examples. These were all introduced to show visitors what can be done about the loss of plant species through human activities. One of the main ideas is, to demonstrate that disappearance of species is not a one-way process, but that it is a result of human behaviour, and can for an important part be reversed by developing long-term plans for sustainable use.

2.4.1 The Environment Monitor

The Environment Monitor started in 1989. In that year the city of Utrecht donated a footpath through this area to the Botanic Gardens, thus opening up the area for visitors. The key-word in this project is dynamics.

The aim is to show visitors that the landscape as we know it, is the result of a series of human influences. A different choice results in a change of landscape (Winkel et al. 1990).

The Environment Monitor is a large-scale project. Eight hectares of mixed origin are used as a showcase of human influence on the landscape. The major part (50%) of this area is grassland, used for grazing, and it was also used as a hay-field: fertilized at least once a year, and the grass cut several times a year. Sometimes animals were grazing on it. The remaining area consists of several parts of the old estate 'Sandwijck', one of our former locations. It contains a hay-field, a grove, a coppice, a wooded bank, and several ditches.

In 1989 it was decided to change part of the grassland (appr. 20% of the total area). Fertilization was stopped, and grass-cutting reduced to once a year. The result of this change already shows. The grassland is changing colour, from green to blue-green, and the number of plant-species is increasing. A series of four monitoring-squares gives an idea of the most important processes involved in this change. They reveal the effects of fertilizers, of cutting, and of the removal of all plant material to expose the dormant seeds in the soil.

The coppice (willow, *Salix*) had been seriously neglected in the past. In 1990 the entire area was cut, in 1992 1/3 of the area, and the latter will be repeated every two years. This way a coppice with three different ages is created. Each of these is accompanied by its own vegetation composition.

One of the ditches in time had completely filled up with swamp-vegetation. Half of this ditch was cleaned, and this now is left to develop into a swamp again. This will show the various stages of succession in the vegetation.

The grove originally was a coppice of Common Oak (*Quercus robur*), Common Alder (*Alnus glutinosa*) and Common Ash (*Fraxinus excelsior*). It has been neglected for many years. We leave this area to develop into a more natural forest.

These are some examples of the changes which were introduced into the landscape. The change is documented in several ways. Every year, since 1989, an inventory of the plant species in the area is made. The moments on which introductions were made, or changes noticed, were also documented. These data are made available for the public through signs placed along the path (Leeuwen 1991), and are updated every year.

A programme for primary schools has been completed so that children learn to notice changes in their surroundings (Klein Wassink 1992).

2 . 4 . 2 The Systematic garden

Modern plant-systematics is based on evolutionary relationships between plants. These are not always visible. Add to this that systematic information is complex and statistical and a systematic garden starts losing its appeal.

The Systematic Garden at Fort Hoofddijk has been re-developed to be an educational tool for students. Its lay-out can also be used to inform the general public about the evolutionary changes in the Plant Kingdom. One aspect of this development is highlighted. The choice fell on 'plant reproduction and the role of animals in plant reproduction'. This choice was made because flowers are the most characteristic parts of most plants, and at the same time are considered bearing the most important characteristics in taxonomy. Reproduction is a central theme in systematics and the active participation of animals in this process is something which intrigues many people.

The general idea is that starting from the magnolias the flowers of plants adapted more and more to specific ways of pollination during evolution. Some developed towards wind-pollination, others specialized in insect genera or species.

The information-system follows the lay-out of the Systematic Garden (see colour illustrations). Each path leads through a main evolutionary group. Each group has its own story. These stories have been developed in 1992 (Willems et al. 1992) and the general approach is as follows.

Example of a sign explaining the link between Magnoliaceae and the treated Nymphaeaceae under the title; 'Water Lily, hotel or jail?'

Waterleliefamilie

Nymphaeaceae

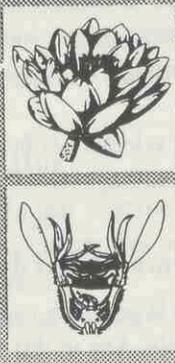
Waterlelie, hotel of jail?



Witte waterlelie
Nymphaea alba

Waterplanten met mooie grote bloemen. De bloemen lijken nog spetterender doordat de kelkbladen er een simonhart ook wil zijn. Er wordt iets bijzonders, de kroonbladen worden naar het hart van de bloem kleiner en gaan geleidelijk over in veel drazen. De bloemen sluiten om vijf uur 's middags en werken dus als kerker!

Waterlelies zijn ook heel geschikt voor de waterlelievijver. De waterlelie heeft een heel speciale manier van voortplanten. De bloemen sluiten om vijf uur 's middags en werken dus als kerker!



Nieuwsgierig bloem

Open



Receptacle



zaad

At the start of each path there is a sign introducing the main events in pollination which will occur along the path. At several plant-beds, each containing one or more families, one example is given. This is done with three or four eyecatchers. At the end of each path, a sign summarizes what happened along the path. The system is completed with some extra information on plant systematics and the system used at Utrecht Botanic Gardens (Cronquist 1981). A booklet on the subject is in preparation.

2.5 Closely related organizations

2.5.1 Interlink projects

Utrecht Botanic Gardens actively participates in several working-groups of Utrecht University. The University is involved in several projects to inform as many people as possible about the work carried out at the University. The vehicle for this is the science-festival, often linked to a special anniversary. In these cases the university serves as a contact between both internal and external groups. Such projects are called 'interlink' projects.

The Botanic Gardens has been involved in several of these projects. Active participation in these festivals is sought. 'Scent and Smell' was such a festival in which a multi-disciplinary approach gave many departments within the University the opportunity to present their work. The areas covered ranged from social sciences to chemistry. The Gardens participated by organizing a special scent-trail, explaining the biological role of scent and smell in the plant kingdom. Scent and Smell was the first activity in a row which has been continued in the last four years. Other examples are 'Heart of the Netherlands', 'Ears and Hearing' and esp.

'Science Week Junior'. The latter is a University-based working group which links primary schools to scientific institutions. Each year a theme is introduced in which one-week projects can be organised by the participating institutions. One example of these projects in the Gardens is 'You can taste where it comes from', a multicultural education programme on the origin of food.

2.5.2 Service to societies & Exhibitions

Utrecht Botanic Gardens is the home base for the 'Nederlandse Rotsplanten Werkgroep', the Dutch Rock Garden Society. Two staff members of Utrecht Botanic Garden are member of the board of this Society. The aim of the Society is to improve specialist knowledge on Rock Garden plants, and to involve a larger audi-

ence. The 'Nederlandse Rotsplanten Werkgroep' is an active society which organizes regular meetings, an annual plant show at Utrecht Botanic Gardens, a number of plant exchange & sales days, and issues a newsletter.

In cooperation with the 'Kring 't Gooi van de Nederlandse Orchideeënvereniging', a regional section of the Dutch Orchid Society, Utrecht Botanic Gardens regularly organizes an Orchid exhibition.

2.5.3 Wachendorff Foundation

The Wachendorff Foundation organizes the friends supporting the activities of Utrecht Botanic Gardens.

Concerning the task of Utrecht Botanic Gardens to inform the public on social issues relating to plants and habitats, the Wachendorff Foundation provides support. It aims at expanding the awareness and public support for the activities and events planned by Utrecht Botanic Gardens, on a local and regional level.

The name 'Wachendorff' is derived from Prof. Dr. E.J. van Wachendorff, who published one of the first catalogues of plantcollections of Utrecht Botanic Gardens, back in 1747, called 'Horti Ultrajectini Index'.

At that time he developed his own taxonomic system, which he used for the layout of the Hortus. The famous binomial system by Linnaeus was published just a few years later, in 1753.

The Wachendorff Foundation consists of 1400 regular donors, who feel closely linked to the Gardens in one way or another. These friends pay an annual subscription, through which they contribute to specific projects undertaken by Utrecht Botanic Gardens. The donors have free access to both locations of Utrecht Botanic Gardens, and are charged reduces fees during exhibitions.

The Board of the Wachendorff Foundation also organizes visits to other gardens in The Netherlands, lectures, and meetings on particular subjects, for the donors. The Board also raises funds by approaching individuals, (potential donors), and corporate and cultural organizations. Thus, many projects were financially supported which otherwise would not have possible.

Last, but not least, the Foundation issues a newsletter thrice a year, which is dispersed amongst the donors and (potential) sponsors. This newsletter is named 'Hortus'. The front cover is illustrated with a drawing of *Wachendorfia thyrsiflora*!

Hans W.G. Pfeiffer
Chairman, Wachendorff Foundation

2.5.4 The Dutch Botanic Gardens Foundation

In 1989 the Dutch Botanic Garden Foundation was formed, to coordinate and facilitate activities of the botanic gardens already cooperating in the Decentralized National Plantcollection (Jong 1984).

2.5.4.1 The Decentralized National Plantcollection

The Decentralized National Plantcollection contains high-grade plant collections, distributed over 20 botanic gardens in The Netherlands (Bonsen et al. 1992). The plantcollections comprise about 45,000 plant species. In order to be included in the national collection, these collections have to comply with certain scientific standards. The responsibility for each taxon within the national collection resides with the botanic garden holding the specialization (Vliet et al. 1989; Anonymous 1991). This responsibility concerns duplication (spreading the risk), identifications, and survey publication of that taxon.

Besides being a cultural heritage, the national collection is a controlled source for activities in many fields, like research and education, conservation, and selection for horticultural introduction.

The national collection is controlled by the Dutch Botanic Gardens Foundation.

One goal of the Foundation is the one stated in Syngé et al. (1979): 'to coordinate on a continuing basis information on specialist holdings in botanic gardens, with the aim of reducing excessive duplications, of making best use of existing collections on a wide range of taxonomic groups both in seedbanks and traditional cultivation'. An example of an inventory on specialist holdings, is the Catalogue of Succulents, issued by the Foundation (Groen 1990). Meanwhile a database of all the accessions of the national collection is in preparation.

The Foundation is also the organization of the Dutch botanic gardens. It supports meetings and projects on various themes and receives and distributes confiscated CITES-plants. It is the address, the general entry to the gardens for the government, the public, trade and industry. During the past decades the role of the botanic gardens has changed from merely taxonomic research to plant physiology and conservation, and especially to education and recreation on behalf of the general public. This change in tasks is supported by the Foundation.

The gardens participating in the Decentralized National Plantcollection are listed in appendix 4. The contributions of Utrecht Botanic Gardens to the DNP are mentioned briefly in paragraph 3.2.

Karel J.M. Bonsen
Director, Botanic Gardens Foundation

2 . 5 . 4 . 2 The National Network of Education Officers of Botanic Gardens in The Netherlands (the 'LOED')

One of the activities taken over by the foundation was the already existing LOED, a network of education officers. The LOED now is a working-group under the Dutch Botanic Gardens Foundation. The LOED each year organizes the 'National Hortus Day' on the first saturday in June, on which day all associated gardens undertake activities.

More and more gardens are extending their services to the public and so each garden goes through a comparable process. Coordination is a logical action (Mentink 1990).

The Education Officer of the Foundation also is in a position to initiate projects which surpass the individual possibilities of each Garden, but which do contribute to the work of all, e.g. the translation of education packs from other countries.

Sponsors are more willing to pay for an activity which can be implemented in 10 or more gardens instead of one.

Also activities, as for instance visitor-surveys, can be extended to all Gardens in The Netherlands, giving an overall view of the profile of the Dutch garden-visitors. This proves to be very useful in fund-raising and in directing publicity.

The coordinating effect of the Foundation can be seen in several actions.

- National themes to participate in interlink projects. There are several national initiatives to popularize science. One example is the Columbus year: a number of gardens works together on the design of a series of activities on the influence of the discovery of America by Columbus.
- Study trips for education officers. Several times per year the LOED organizes study trips to non-member institutions with a distinct educational signature. Examples of these are several museums, Zoo's etc. These trips are used to learn about the ways to entertain and educate the public. Most gardens in The Netherlands only have limited experience in this field, often because of their strictly scientific background and history.
- Workshops for members. The members of the LOED often have very different backgrounds, some are biologists, others trained teachers, or educated in museum PR. Each member therefore can contribute to different aspects of education and several workshops are organized to exchange knowledge. This is often done using examples from the gardens every-day practice e.g. signs and routing, guide training.
- Fund raising. The Foundation is in a position to negotiate with national governmental institutions and large firms about financial support.

3 Maintaining quality collections

Introduction

In this chapter a description is given of the various aspects of maintaining a quality collections. Subjects are: the Curators' Office, documentation, identification, specialization, labelling, and seedbank. In addition, a brief survey of the Garden Specializations is given.

3.1 The Curators' Office of Utrecht Botanic Gardens

Curation of the living collections means maintaining a well documented, and accurately identified, diverse collection, composed of species and specimens of particular origins, which each serve a purpose.

This purpose can either be scientific (research, scientific education), or non scientific (education, conservation of threatened plants, pre-commercial testing, enhancing environmental awareness, etc.).

Documentation and identification are important activities to establish quality collections. In order to achieve the high standards which Utrecht Botanic Gardens wants to meet, the Curators' Office has been thoroughly reorganized, in terms of efficiency, over the past three years, into a well equipped department.

The Curators' Office consists of two Curators, and is responsible for the documentation and identification of the living collections.

3.1.1 Documentation

From 1986 to 1990, the Curators' Office used the BUD1 database Botanic Gardens Utrecht Database-system, ver. 1) to manage the data on the plant collections. While this was suitable software, it didn't meet the requirements. To increase efficiency, it was necessary to develop a system which could play a more central role. A project was formulated, data structure was analyzed, which finally developed into an entirely new approach (Wollenberg et al. 1989). This intricate and radical change was the move from BUD1 to a entirely new concept, in BUD2 (Wollenberg 1991). The move took place in 1990. BUD2 is not merely a new database, but represents the automation of the administrative aspects of maintaining a living collection (for technical details on BUD2, see appendix 2). Features such as the Seedmanager (a Seedlist facility), were already installed in BUD1.

Documentation now runs smoothly using the new BUD2 database-system, which has been extended with an efficient labelling system.

3.1.2 Identification

Identifications are made by the Curators, and in addition by specialists working on their particular collections. To facilitate scientific identifications, Utrecht Botanic Gardens possesses a scientific library of approximately 1,000 books, in addition to subscription to a few dozen current Journals.

Furthermore, the library of the Herbarium Division, formerly Institute of Systematic Botany, is at close hand, whenever there is insufficient information available. Each identification is accompanied by herbarium-vouchers of the identified plants.

These are sometimes sent to specialists for identification. Specialists of the Herbarium Division are also consulted if necessary.

The Herbarium Division is part of the Department of Plant Ecology, Evolutionary Biology, and Phytopathology. The curator is Dr. P.J.M. Maas. The herbarium is specialized in botanical research in the neotropics, and houses an important herbarium with over 700.000 specimens, many of which are from the neotropics. The Herbarium possesses an extensive library which is also frequently used.

3.1.3 Specialization

The range of plants species grown at any particular garden generally is very wide. Consequently, it is impossible for any Curator to attain specialist knowledge over this wide range of plant species. In order to tackle this problem in The Netherlands, the Dutch Gardens, many years ago, have agreed to each build up specialist knowledge and complete collections, as far as possible, in particular groups. These collections, which today are united under the name 'Decentralized National Plantcollection', are considered the highlights of Dutch plantcollections. A brief survey of which specializations are maintained at Utrecht Botanic Gardens is given in the next paragraph. More detailed information is available in the family headings of Part B.

Apart from this, regarding Dutch greenhouse collections, there is also a form of specialization. Here, Utrecht Botanic Gardens specializes on the flora of the neotropics. This includes exchanging representatives from other continents for specimens from tropical America, unless the species in the collection not belonging to this continent serve a particular purpose, e.g. education.

3.1.4 Labelling

As mentioned earlier, directly connected with BUD2 is a fast and economic labelling system. This system uses the information from the database, and allows the production of many hundreds of labels per day.

Basically, the labelling system consists of a laminating machine, which is fed with plastic envelopes containing sheets of paper, on which relevant plant data are printed. These envelopes are sealed waterproof, and can be mounted on several sizes of standards. It is possible to include (detail) drawings, photographs, etc.

The special feature is the programme that converts data from the database into label-layouts in which data are spaced according to the number of characters per line and available space (Wollenberg, 1992a).

3.1.5 Seedbank

In order to expand the availability of plant resources, a seedbank has been added to the Garden equipment. The seedbank, which in fact is a cold-storage room, kept at 3°C at all times, is located in the Greenhouse Complex. Relative humidity is not controlled. In order to insure dry storage of seeds, all batches are stored in glass jars, pre-dried in a refrigerator (in air-tight plastic drums), labelled, and subsequently moved to the seedbank (Roberts 1975). The seed stored here is mainly surplus seed of dispatches received from collectors, fellow botanic gardens, etc., and only rarely constitutes seeds harvested from plants grown in the garden.

One recent, and very valuable addition to the seedbank is the inclusion of both the seeds of the *Sedum* and *Centaurium* research collections.

Note: the seeds in the seedbank have been excluded from the survey, which only lists living plants.

3.2 Brief survey of Garden specializations

Utrecht Botanic Gardens maintains a number of specializations, and in addition also houses some research collections, which are also considered Garden specializations (see Part B). Each specialization is typified (For definitions, see appendix 3).

Research collections:

- Flora of the Guianas (ib),
- *Annonaceae* (ib),
- *Crassulaceae* (ib), esp. *Sedum* (id)

Garden Specializations

- Conifers (ib, fp), esp. *Tsuga* (id, fi)
- Flora of the neotropics (ib,fi): esp.
 - Gesneriaceae* (ib, fp), *Orchidaceae* (ib, fp),
 - Zingiberaceae* (ib, rc)
- Broad-leaved trees & shrubs: esp.
 - Aceraceae* (ib, fp) *Betulaceae* (ib, fi): *Betula* (id, fp)
 - Oleaceae* (ib, fi): *Syringa* (id, fi) & *Fraxinus* (id, fi)
 - Magnolia* (ib, fi) *Euonymus* (id, fi)
 - Laburnum* (id, fi) *Ericaceae* (ib, fp)
- Alpines (ib, fp)
- *Arisaema* (id, fi)
- *Asarum* (id, fi)
- *Lecanopteris* (ib, rc)
- *Penstemon* (id, fi)
- *Trillium* (id, fi)

Note: In view of the evaluation of the policy regarding Garden Specializations, which is still in progress, this survey will undergo some changes in the near future.

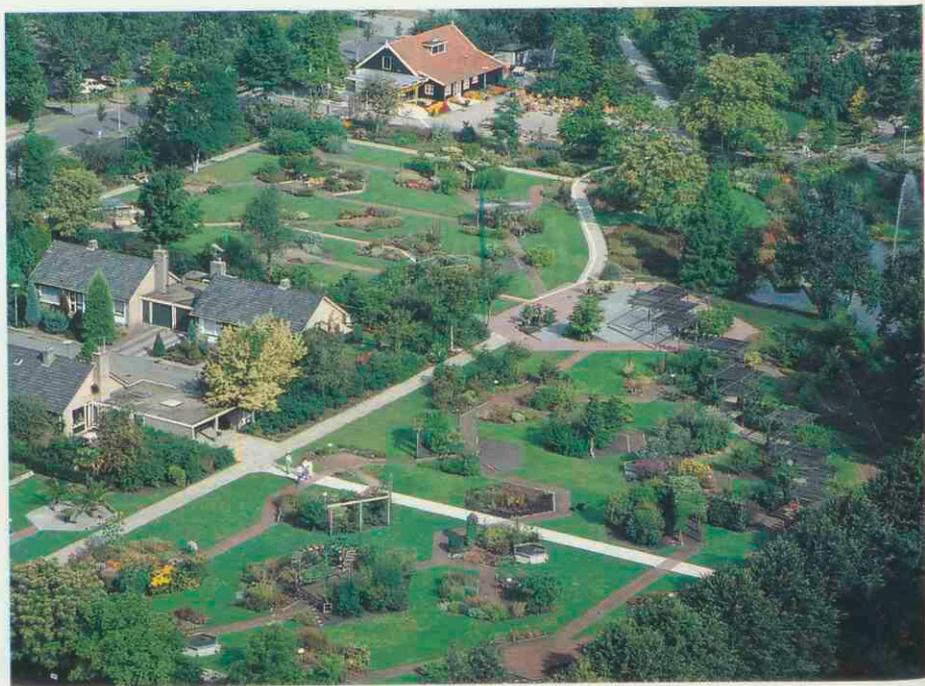
‘Fort Hoofddijk’

Main Garden



Entrance ‘Fort Hoofddijk’ (Main Garden)

photo: I. Pel

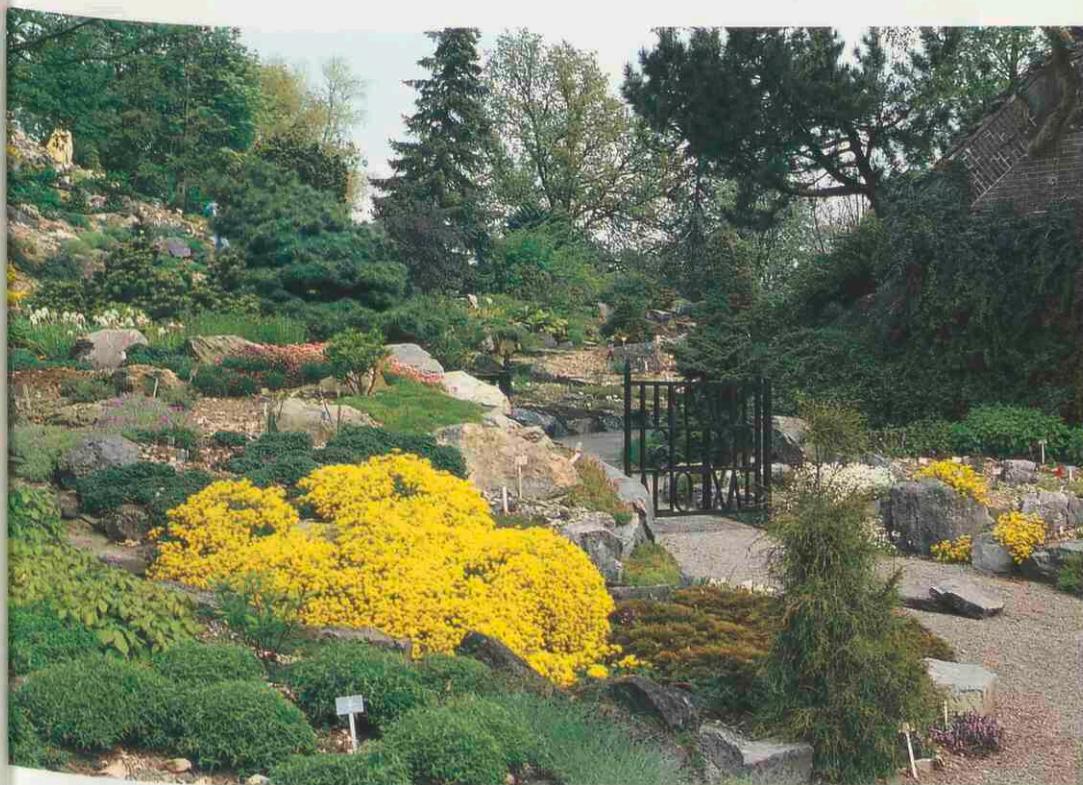


Systematic Garden (Main Garden)

photo: I. Pel

Rock Garden (Main Garden)

photo: W. Nieuman





Greenhouse Complex (Main Garden)

photo: I. Pel

Tropical House (Main Garden)

photo: D. Smit



Research Greenhouses
(Main Garden)

photo: I. Pel

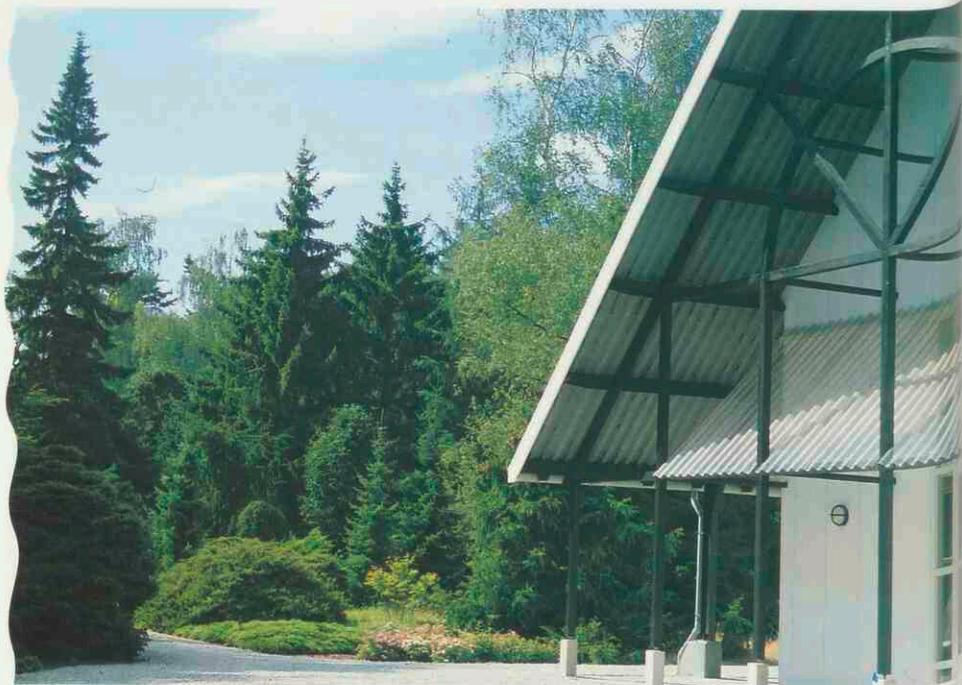


Research Greenhouses
(Main Garden)

photo: I. Pel



Von Gimborn Arboretum



Entrance of the Von Gimborn
Arboretum

photo: M. Hoek

Plaque, received from
the International Dendrology
Society in 1989

photo: D. Smit





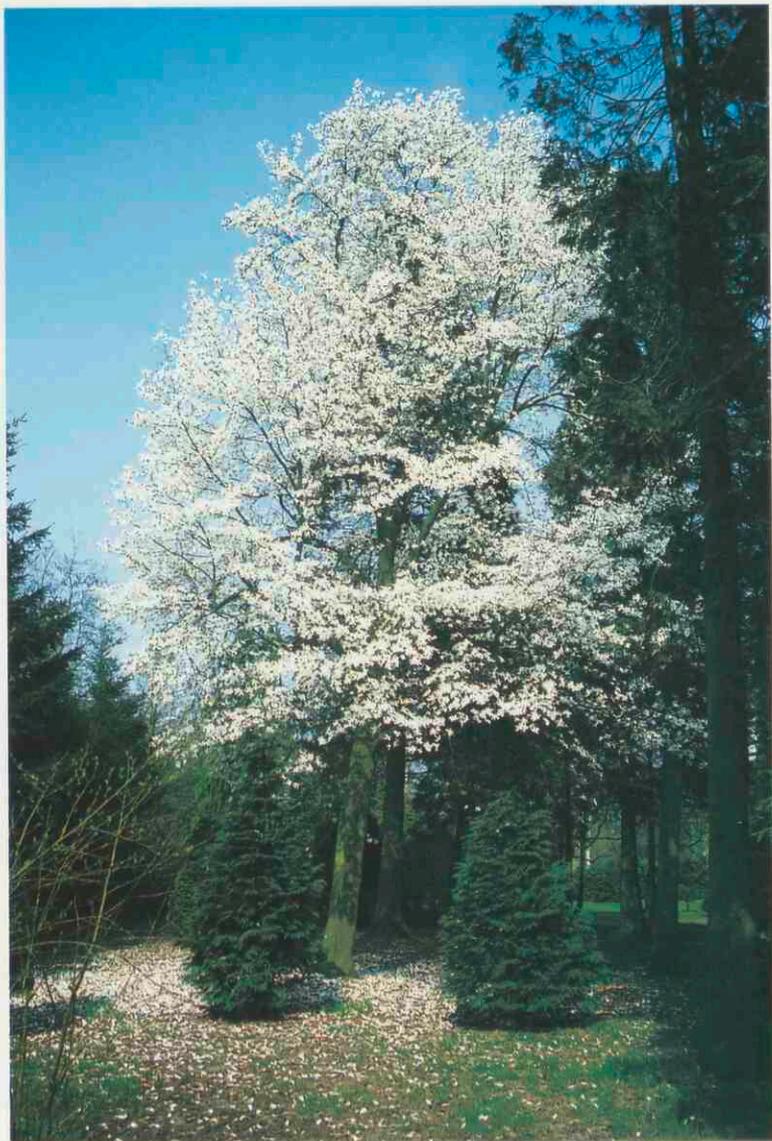
Von Gimborn Arboretum, Heather Garden

photo: M. Hoek



Von Gimborn Arboretum,
part of the *Rhododendron* Collection

photo: D. Smit

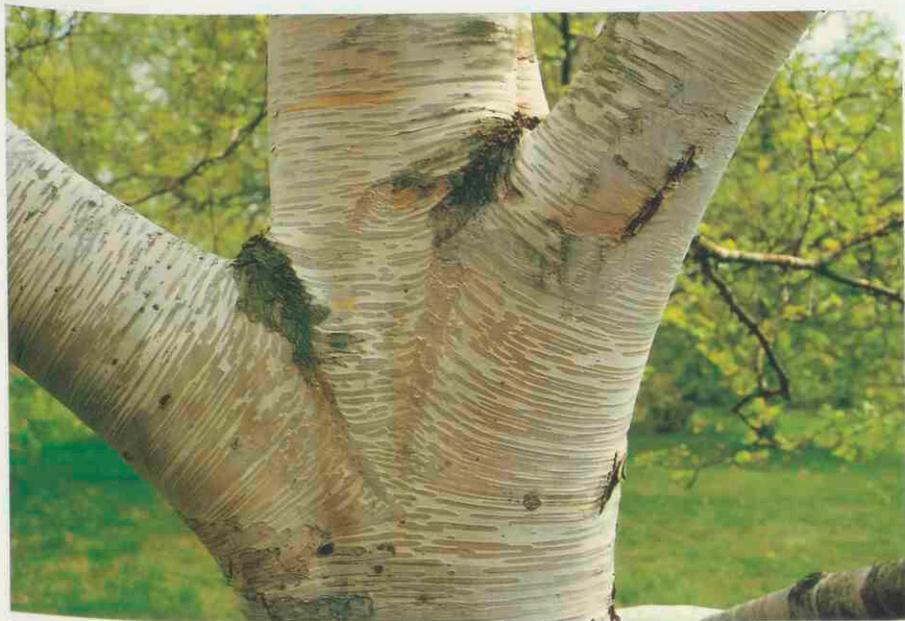


Von Gimborn Arboretum,
Magnolia salicifolia (Sieb. & Zucc.) Maxim.

photo: W. Wildschut

Betula ermanii Cham. 'Blush'
(long cultivated as *B. costata* Trautv.
See Part B: '*Betulaceae*').

photo: D. van Hoey Smith



Acer griseum (Franch.) Pax.

photo: D. van Hoey Smith

Opposite page:

above

Gentiana verna L. subsp.
tergestina (G. Beck) Hayek

photo: W. Nieuman

below

Arisaema sikokianum Franch. & Sav.

photo: W. Nieuman



Von Gimborn Arboretum

photo: M. Hoek







Dionysia aretioides (Lehm.) Boiss.

photo: W. Nieuman

Costus spec. nov. from Costa Rica.

photo: P.J.M. Maas





photo's:
P. Brouwer



top

Sedum fusiforme Lowe, an endangered *Sedum* species from Madeira. It is endemic to the southern part of the island, and is known from only three locations, one of which has recently been built over by a tourist hotel.

above

An example of the significance of hybridization experiments in studies of genetic relationships between *Sedum* species.

Left, right and centre:

Sedum sempervivoides, *S. tymphaeum*, an extremely rare species, and their hybrid (see Part B: 'Crassulaceae').

Rhynchanthera
grandiflora (Aubl.) DC.,
MJJ 1874.

photo: M.J. Jansen-Jacobs



Heliconia densiflora Verlot subsp.
densiflora, JJDG 5934.

photo: L.Y.Th. Westra



Xylopia peruviana R.E. Fries,
Maas 7869.

photo: L.Y.Th. Westra



Guatteria spec. nov., Maas 7869.

Photo: P.J.M. Maas

Columnnea minor (W.J. Hook.) Hanst.

Photo: P.J.M. Maas





Gongora quinquenervis Ruiz & Pav.

Photo: L.Y.Th. Westra

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Part B

Data of the living collection

Introduction

Most specializations are preceded by an explanation concerning the nature, aims and programme of that specialization, which is either a family or genus. In a few cases, the specialization does span several families. The relevant information is given at the beginning of the data section.

The data are fairly self-explanatory, apart from three columns behind the accession number. These columns are: Column 2: Identification, Column 3: Provenance, and Column 4: WCMC-code. These codes are explained in appendix 6.

Behind the plant-names, the collectors-code and number is given in case of well wild collected plants, if this information is known to us. These codes are explained in appendix 5. Behind the collectors code, the origin of the wild-collected material is given underlined, which is the explanation of the origin-codes used by the Kew Herbarium to indicate bio-geographical entities.

Note 1: if more than 10 accessions of the same taxon are present, then automatically:

- . only (indirect) wild sources are given, up to a maximum of 10.
- . If less than 10 accessions of (indirect) wild sources are present, these are all listed.
- . If no accession of (indirect) wild source is present, only 1 accession of garden-origin is given.

Note 2: the only exception to note 1 is the survey of *Crassulaceae*. Here, with the approval of Dr. H. 't Hart, the entire collection has been extracted from the database, after which a selection is made by hand, in order to show the diversity of origins of the taxa in question. All accessions are listed, exceeding the limitation at 10, if that particular taxon is more or less rare or special, in the view of Dr. 't Hart.

ALPINES

Introduction

The Rock Garden is laid out on Fort Hoofddijk, using a few of the fortifications as a basis, to provide the necessary undulations, and spans an area of ca. 5000 m². The plants are arranged according to their geographical ranges. The collection of Rock Garden plants is a focal-point collection in the Decentralized National Plantcollection. Major representatives are: *Campanula*, *Dianthus*, *Gentiana*, *Meconopsis*, *Primula*, *Saxifraga* and *Sedum*. One or more of these are eligible as "in-depth" specialization.

Aims

For the near future, one or more "in-depth" specializations will be selected, in cooperation with one or more national or international botanic gardens.

Programme

The introduction of alpine species from known wild source is the basis for this specialization. These wild sources facilitate accurate identification, excluding the possibility of hybridization. Since there are still many unanswered questions about cultivation, identification and documentation, wild source material is vital for accurate identifications.

Location

Fort Hoofddijk. Apart from a magnificent Rock Garden, the an alpine house, recycling wall, alpine meadow, and a raised bed have been built. The nursery is fitted with many cold frames, and an unheated greenhouse.

Cooperation

In addition to a more general cooperation regarding Rock Garden plants, cooperation on specific specializations is still to be developed, and may be taken up next year.

Utrecht Botanic Gardens is the home base of the "Nederlandse Rotsplanten Werkgroep" (Dutch Rock Garden Society).

Publications:

Nieuman 1988a; 1988b; 1988c; 1990a; 1990b; 1991a; 1991b; 1992; Wollenberg, 1992b.

BROAD-LEAVED TREES AND SHRUBS

Introduction

The collection of broad-leaved trees and shrubs is one of the largest in The Netherlands. The specializations consist of the already existing focal-points in the collection that will be developed further. Apart from, and in addition to these, a number of complex taxa within the broadleaves that are not yet enough understood either scientifically or in cultivation (Jong, 1987a) are also dealt with.

Aims

1. Raising the collection to a higher level by applying the correct nomenclature and increase the number of accessions of wild source. Acquisition of specialist knowledge in the fields of interest, and in the focal-point collections.
2. Exploitation of the collection, guidance in the stabilization of the nomenclature of cultivated plants, upgrading the species-purity of cultivated material, and a broadening of the genetic basis of the cultivated species.

Programme

There is a working plan for each of the separate specializations. For this see surveys of the families and genera.

The total collection should, if possible, be added to with high-quality material.

Location

The collection of broad-leaves and shrubs can be found for the greater part in the Von Gimborn Arboretum, with a small part at Fort Hoofddijk.

Publications

Bom et al. 1980a; 1980b; 1980c; Jong 1976a; 1987b; 1987c; 1987d; 1987e; 1991a; Tolsma et al. 1989.

CONIFERS

Introduction

The largest conifer collection in The Netherlands is found in the Von Gimborn Arboretum. It is probably also one of the largest on the West European continent. As in most of the conifer collections in The Netherlands, the conifer collection of Utrecht Botanic Gardens consists of relatively little material of known natural source. The collection contains good seed producing groups of *Cunninghamia*, *Pseudolarix*, and *Sciadopitys*. Conifers are a focal-point collection. The *Tsuga* collection makes up a very impressive part of the arboretum, and is a field of interest. In the old "Hortus Botanicus" in the centre of Utrecht, the oldest *Ginkgo biloba* in culture outside Asia, planted about 1730, still grows. In this Hortus one will also find original introductions of *Metasequoia glyptostroboides*. Many of the cultivated *Metasequoia* in The Netherlands originally come from the duplicated material from the "Cantonspark", one of our former satellite Gardens.

Several selections from the Von Gimborn Arboretum were cultivated and named, for example:

Chamaecyparis lawsoniana 'Gimbornii';

Juniperus communis 'Controversa';

Pinus leucodermis 'Satellit';

Pinus parviflora 'Gimborn's Ideal';

Pinus parviflora 'Gimborn's Pyramid';

Pinus parviflora 'Tempelhof';

Pinus pumila 'Globe';

Picea rubens 'Nana';

Tsuga mertensiana 'Blue Star'.

In 1989, Utrecht University received the International Dendrology Conservation Plaque for the Von Gimborn Arboretum from the Chairman of the I.D.S., Viscount Ridley. The award was accepted by Drs. J.F.G. Veldhuis, President of the Board of Governors of the Utrecht University.

Aims

- 1 Since conifers comprise an extensive specialization, each individual genus will be dealt with separately in time. After evaluation and identification, the collection of each genus will be im-

proved.

- 2 Selection of specimens which qualify for introduction to commercial cultivation.

Programme

- 1 Improvement of collection parts (separate genera), by acquisition of more material from natural sources. *Tsuga* is the first genus in line to be tackled, after which *Pinus* and *Taxus* may follow.
- 2 Reduction of the very comprehensive assortment of cultivars, and identification of especially the cultivars from the original planting.
- 3 Testing of a number of specimens for cultivation. These will be offered to nurseries for trial. In the next stage, these will be offered for judging and naming (cultivars).

Location

The collection can be found at the Von Gimborn Arboretum. A small proportion is housed in Fort Hoofddijk.

Publications

Belder et al. 1979; Jong 1979; Mennega 1973; Pulle 1949.

Acanthaceae

Acanthaceae

- Acanthus**
 77ZS00031 I G balcanicus Heyw. & I.B.K. Richards.
 75GR00384 I G montanus (Nees) T. Anders.
- Aphelandra**
 68GR01016 I G aurantiaca (Scheidw.) Lindl. var. aurantiaca
 68GR00945 I G chamissoniana Nees
 72GR00174 I G sinclairiana Nees
 68GR00899 I G tetragona (Vahl) Nees
- Beloperone**
 75GR00393 I G guttata T.S.Brandeg.
 68GR00928 I G plumbaginifolia (Jacq.) Nees
- Crabbea**
 69GR00067 G reticulata C.B.Clarke
- Crossandra**
 76GR00065 I G nilotica Oliv.
- Eranthemum**
 76GR00257 G nigrum Lind.
- Fittonia**
 68GR00270 G verschaffeltii (hort. ex Lem.) Coem.
 75GR00340 I G verschaffeltii (hort. ex Lem.) Coem. 'Argyroneura'
- Hemigraphis**
 77GR00190 I G alternata (Burm.f.) T.Anders.
 68GR01025 G primulifolia (Nees) F.Vill.
- Jacobinia**
 73GR00193 I G carnea (Lindl.) Nichols.
 73GR00192 I G suberecta Andre
- Justicia**
 68GR01113 I G rizzinii Wasshausen
- Odontonema**
 68GR00857 I G callistachyum (Schlechtend. & Cham.) O.Kuntze
- Pachystachys**
 71GR00136 I G lutea Nees

Acanthaceae

69GR00061	I	E	Phaulopsis	imbricata (Forssk.) Sweet [HAAF 4 N.Nigeria]
73ZS00060	I	G	Ruellia	humilis Nutt.
68GR00932	I	G	Sanchezia	nobilis J.D.Hook. 'Glaucophylla'
83GR00597	I	K	Whitfieldia	elongata (P. Beauv.) DeWild. & Th. Dur.
72GR00292	I	G		lateritia W.J. Hook.

ACERACEAE

Introduction

The *Aceraceae* consist of two genera, *Acer* and *Dipteronia*. The latter genus has two species and is found only in S.W.China. *Acer*, with its ca. 120 species is spread over the entire Northern Hemisphere with a large concentration of species in China and Japan. In cultivation one will regularly find approximately 20 species.

Acer, the maple, is a genus with extremely variable appearance. It contains a large number of species which may be suitable for horticultural use. Its decorative value depends on its manner of growth, leaf shape, bark, flowering, fruits, and/or autumn colours. Many species seem to have the qualities needed in cultivation, but they are still known too little, and there is as yet not enough starting material, especially seeds. Of all the Chinese species, not one is being cultivated in large numbers.

Within collections, and in cultivation, much unacknowledged hybridization occurs. Pure species material of a number of species is very rare both in cultivation and in collections. For two decades, much scientific research has been conducted on the genus, resulting in a few fairly comprehensive collections. These well-documented collections have in turn resulted in more research. Maples have been important element in the collection of deciduous trees in the Botanic Gardens for some time. There are a few species found in "Cantonspark" (one of our former satellite Gardens) as well as in the Von Gimborn Arboretum, that are fairly

rare (species-pure) in cultivation, for example: *Dipteronia sinensis*, *Acer x dieckii*, *Acer henryi*, *Acer maximowiczianum*, *Acer micranthum*, *Acer velutinum*, and *Acer heldreichii* subsp. *trautvetteri*.

Aims

- 1 Establishment of a comprehensive collection of hardy species with special attention given to species, less known in cultivation.
- 2 Acquisition of material from a few species complexes, especially from China, from different locations of their natural distribution areas.
- 3 Achievement of a better classification.
- 4 Isolation of groups in the arboretum (seed-garden function), in order to i): safeguard seed production of a number of dioecious species, and ii): isolation to minimize the chance of hybridization.

Programme

Study of a number of species, of which the valuable material has been cultivated, and planted in the arboretum.
Further study of selected individuals of a few species on suitability for cultivation and decorative value. This is conducted by several nurseries, and the "Nederlandse Algemene Keuringsdienst-Boomkwekerijgewassen" (N.A.K.-B), and covers among others *Acer davidii*, *Acer divergens*, *Acer mono*, *Acer oliverianum*, and *Acer heldreichii* subsp. *trautvetteri*.

Location

The collection can be found in the Von Gimborn Arboretum. The Systematic Garden of Fort Hoofddijk houses a few species.

Cooperation

Club of Acerologists: Dr. T.J. Delendick (Brooklyn Botanic Gardens, New York, USA), D.M. van Gelderen (Boskoop), Dr. H.J. Oterdoom (Haren), J.G.S. Harris (Taunton, G.B.), J.D. Vertrees (Roseburg, Oregon, USA), Chin-Sung Chang (University of Georgia, Athens, USA).

Testing for cultivation suitability: Fa. C. Esveld (Boskoop), N.A.K.-B. (Zeewolde).

Aceraceae

Collections elsewhere

Fa. C. Esveld (Boskoop): This firm has a large collection of species and cultivars in the nursery in the so-called "Aceretum". Much of the material comes from other specialists, such as J.G.S. Harris and J.D. Vertrees. The Royal Botanic Gardens Kew, and the Botanic Gardens of the Agricultural University of Wageningen.

Publications

Jong 1974; 1976b; 1977; 1986a; 1990; in press (1993).

Aceraceae

Acer

84RD00322	G	acuminatum Wall. ex D. Don
78RD00730	I G	argutum Maxim.
80RD00168	I E	argutum Maxim. [Japan]
78RD00938	I G	barbinerve Maxim.
80RD00197	G	barbinerve Maxim.
83RD00266	E	barbinerve Maxim. [B.E.C. 1 S.Korea]
90RD00334	G	buergerianum Miq. subsp. buergerianum
74RD00240	I G	caesium Wallich ex Brandis subsp. caesium
84RD00323	S	caesium Wallich ex Brandis subsp. caesium [Nepal]
84RD00328	G	campbellii J.D. Hook. & Thomsen subsp. flabellatum (Rehd.) E. Murray
00ZG00902	G	campestre L. subsp. campestre
00ZG00974	G	campestre L. subsp. campestre
74RD00241	I G	campestre L. subsp. campestre
78RD00893	G	campestre L. subsp. campestre
78RD00959	G	campestre L. subsp. campestre
78RD00964	I G	campestre L. subsp. campestre
90RD00130	E	campestre L. subsp. campestre [Belgium]
90RD00215	K	campestre L. subsp. campestre
85RD00318	K	campestre L. 'Elsrijk'
62RD00707	G	campestre L. subsp. leiocarpon (Wallr.) Pax
78RD00330	E	campestre L. subsp. marsicum (Guss.) Hayek [Italy]
00ZG00132	I G	campestre L. 'Postelense'
84RD00111	G	campestre L. 'Red Shine'
62RD00783	I G	capillipes Maxim.
74RD00114	G	capillipes Maxim.
78RD00933	G	capillipes Maxim.
62RD00849	G	capillipes x A. davidii
00ZG00954	I G	cappadocicum Gled. 'Aureum'
78RD00008	E	cappadocicum Gled. subsp. cappadocicum [European Russia]
78RD01013	E	cappadocicum Gled. subsp. cappadocicum [F&S 350 Iran]

Aceraceae

- 78RD00375 I G cappadocicum Gled. subsp. divergens (Pax) E. Murray
 78RD00923 I G cappadocicum Gled. subsp. divergens (Pax) E. Murray
 85RD00282 G cappadocicum Gled. subsp. divergens (Pax) E. Murray
 91RD00030 E cappadocicum Gled. subsp. divergens (Pax) E. Murray
 [WIJN Turkey (Asia Minor)]
 00ZG00986 I G cappadocicum Gled. subsp. lobelii (Ten.) De Jong
 65RD00048 G cappadocicum Gled. subsp. lobelii (Ten.) De Jong
 78RD00955 I G cappadocicum Gled. subsp. lobelii (Ten.) De Jong
 78RD00986 I G cappadocicum Gled. subsp. lobelii (Ten.) De Jong
 00ZG00897 G cappadocicum Gled. 'Rubrum'
 78RD00927 G cappadocicum Gled. subsp. sinicum (Rehd.) Hand.-Mazz.
 78RD00929 V G cappadocicum Gled. subsp. sinicum (Rehd.) Hand.-Mazz.
 78RD00925 G cappadocicum-hybr. 'Aureum'
 00ZG00301 I G carpinifolium Sieb. & Zucc.
 78RD00888 G carpinifolium Sieb. & Zucc.
 78RD00918 I G carpinifolium Sieb. & Zucc.
 78RD00948 I G carpinifolium Sieb. & Zucc.
 85RD00371 I K carpinifolium Sieb. & Zucc. 'Esveld Select'
 80RD00490 E caudatifolium Hayata [KUK 7822 Taiwan (incl. Penghuleidao & Lan Yu)]
 75RD00037 I G caudatum Wall. subsp. ukurunduense (Trautv. & Mey.) De Jong
 78RD00934 G caudatum Wall. subsp. ukurunduense (Trautv. & Mey.) De Jong
 78RD00944 I G caudatum Wall. subsp. ukurunduense (Trautv. & Mey.) De Jong
 61RD00156 I G circinatum Pursh
 61RD00746 G circinatum Pursh
 62RD00254 N circinatum Pursh
 84RD00325 G circinatum Pursh 'Monroe'
 00ZG00963 I G cissifolium (Sieb. & Zucc.) K. Koch
 76RD00004 I G cissifolium (Sieb. & Zucc.) K. Koch
 78RD00882 I G cissifolium (Sieb. & Zucc.) K. Koch
 79RD00399 I G cissifolium (Sieb. & Zucc.) K. Koch
 79RD00420 I G cissifolium (Sieb. & Zucc.) K. Koch
 79RD00443 I G conspicuum 'Silver Vein'
 84RD00326 I G x coriaceum Bosc ex Tausch
 62RD00331 G crataegifolium Sieb. & Zucc.
 78RD00915 G crataegifolium Sieb. & Zucc.
 78RD00926 G crataegifolium Sieb. & Zucc.
 89RD00037 E crataegifolium Sieb. & Zucc. [Japan]
 89RD00048 E crataegifolium Sieb. & Zucc. [Japan]
 89RD00062 E crataegifolium Sieb. & Zucc. [Japan]
 90RD00335 G crataegifolium Sieb. & Zucc.
 84RD00327 K crataegifolium Sieb. & Zucc. 'Veitchii'
 62RD00850 G crataegifolium-hybr.
 72RD00194 G davidii Franch. 'Canton'

Aceraceae

- 63RD00214 G davidii Franch. subsp. davidii
78RD00939 I G davidii Franch. subsp. davidii
83RD00296 S davidii Franch. subsp. davidii
90RD00216 K davidii Franch. subsp. davidii
88RD00100 K davidii Franch. 'Ernest Wilson'
88RD00101 K davidii Franch. 'George Forrest'
74RD00106 I G davidii Franch. subsp. grosseri (Pax) De Jong
74RD00115 G davidii Franch. subsp. grosseri (Pax) De Jong
80RD00009 G davidii Franch. subsp. grosseri (Pax) De Jong
78RD00957 G x dieckii (Pax) Pax
74RD00408 I G x dieckii (Pax) Pax 'Canton'
78RD00740 G distylum Sieb. & Zucc.
78RD01029 I G erianthum Schwer.
78RD00525 E glabrum Torr. subsp. douglasii (W.J. Hook.) Wesm. [Br. Columbia incl. Charlotte Isl.]
65RD00233 I E glabrum Torr. subsp. glabrum
78RD00540 I E glabrum Torr. subsp. glabrum [Colorado]
78RD00130 G griseum (Franch.) Pax
78RD00735 I G griseum (Franch.) Pax
79RD00281 G griseum (Franch.) Pax
78RD00908 G heldreichii Orph. ex Boiss. subsp. heldreichii
78RD00909 G heldreichii Orph. ex Boiss. subsp. heldreichii
78RD00951 I G heldreichii Orph. ex Boiss. subsp. heldreichii
81RD00320 E heldreichii Orph. ex Boiss. subsp. heldreichii [Yugoslavia]
86RD00333 G heldreichii Orph. ex Boiss. subsp. heldreichii
00ZG00046 I G heldreichii Boiss. subsp. trautvetteri (Medv.) E. Murray
74RD00407 I G heldreichii Boiss. subsp. trautvetteri (Medv.) E. Murray
78RD00988 G heldreichii Boiss. subsp. trautvetteri (Medv.) E. Murray
85RD00353 I K heldreichii Boiss. subsp. trautvetteri (Medv.) E. Murray
00ZG00135 I G henryi Pax
78RD00945 I G henryi Pax
83RD00006 U henryi Pax
78RD00493 G hyrcanum Fisch. & Mey. subsp. cordisectum (Borb.) Hayek
80RD00243 G hyrcanum Fisch. & Mey. subsp. hyrcanum
79RD00112 G japonicum Thunb.
00ZG00047 G japonicum Thunb. 'Aconitifolium'
85RD00366 K japonicum Thunb. 'Aconitifolium'
79RD00421 G japonicum Thunb. 'Ezono-o-momiji'
85RD00350 K japonicum Thunb. 'Green Cascade'
92RD00702 G japonicum Thunb. 'Ougon-Itaya'
78RD00791 G macrophyllum Pursh
77RD00306 G mandshuricum Maxim.
81RD00078 E mandshuricum Maxim. [ASHB S.Korea]
00ZG00968 I G maximowiczianum Miq.
71RD00134 I G maximowiczianum Miq.
78RD00900 I G maximowiczianum Miq.
00ZG00997 I G micranthum Sieb. & Zucc.

Aceraceae

- 78RD00987 I G micranthum Sieb. & Zucc.
 61RD00414 I G miyabei Maxim. subsp. miyabei
 74RD00406 I G miyabei Maxim. subsp. miyabei
 78RD00914 G miyabei Maxim. subsp. miyabei
 80RD00235 I miyabei Maxim. subsp. miyabei
 80RD00334 G miyabei Maxim. subsp. miyabei
 61RD00205 I G mono Maxim. subsp. mono
 61RD00663 I G mono Maxim. subsp. mono
 72RD00018 I G mono Maxim. subsp. mono
 77RD00308 I G mono Maxim. subsp. mono
 78RD00924 G mono Maxim. subsp. mono
 78RD00952 I G mono Maxim. subsp. mono
 79RD00081 E mono Maxim. subsp. mono [Japan]
 82RD00139 S mono Maxim. subsp. mono
 83RD00199 E mono Maxim. subsp. mono [S.Korea]
 86RD00094 G mono Maxim. subsp. mono
 78RD00928 G mono x A. campestre
 00ZG01384 G monspessulanum L. subsp. monspessulanum
 74RD00370 I G monspessulanum L. subsp. monspessulanum
 76RD00052 I G monspessulanum L. subsp. monspessulanum
 78RD00114 I E monspessulanum L. subsp. monspessulanum [France]
 78RD00509 I E monspessulanum L. subsp. monspessulanum [Macedonia]
 64RD00483 G negundo L. 'Aureomaculatum'
 00ZG00908 G negundo L. 'Crispum Variegatum'
 70RD00078 G negundo L. 'Elegans'
 61RD01432 E negundo L. subsp. negundo [United States (excl. Alaska)]
 74RD00107 G negundo L. subsp. negundo
 91RD00883 K negundo L. subsp. negundo
 64RD00486 I G negundo L. 'Variegatum'
 85RD00320 K negundo L. 'Variegatum'
 78RD00966 I G nipponicum Hara
 83RD00143 I G nipponicum Hara
 84RD00449 I G nipponicum Hara
 91RD01023 K nipponicum Hara
 78RD01012 E obtusifolium Sibth. & Smith [F&S 517 Cyprus]
 80RD00267 I E oliverianum Pax [Hebei, Beijing & Tianjin]
 72RD00193 I G opalus Mill. subsp. obtusatum (Willd.) Gams
 78RD00455 E opalus Mill. subsp. obtusatum (Willd.) Gams [Yugoslavia]
 61RD00462 I G opalus Mill. subsp. opalus
 89RD00049 E palmatum Thunb. subsp. amoenum (Carr.) Hara [Japan]
 89RD00061 E palmatum Thunb. subsp. amoenum (Carr.) Hara [Japan]
 89RD00065 E palmatum Thunb. subsp. amoenum (Carr.) Hara [Japan]
 00ZG00067 G palmatum Thunb. 'Atropurpureum'
 90RD00553 E palmatum Thunb. 'Atropurpureum' [Japan]
 00ZG01758 G palmatum Thunb. 'Autumn Glory'
 84RD00352 G palmatum Thunb. 'Beni-Shigitatsu-Sawa'
 74RD00235 G palmatum Thunb. 'Bloodgood'

Aceraceae

83RD00358	G	palmatum Thunb. 'Crimson Queen'
84RD00333	G	palmatum Thunb., cv.
84RD00334	G	palmatum Thunb., cv.
00ZG01511	G	palmatum Thunb. 'Dissectum'
79RD00427	G	palmatum Thunb. 'Dissectum'
84RD00329	K	palmatum Thunb. 'Dissectum Flavescens'
00ZG01510	G	palmatum Thunb. 'Elegans'
00ZG01509	G	palmatum Thunb. 'Hessei'
88RD00102	K	palmatum Thunb. 'Inaba shidare'
79RD00431	G	palmatum Thunb. 'Katsura'
85RD00348	K	palmatum Thunb. 'Koreanum'
88RD00103	K	palmatum Thunb. 'Linearilobum'
84RD00330	I G	palmatum Thunb. 'Matsukaze'
90RD00337	G	palmatum Thunb. subsp. <i>matsumurae</i> Koidz.
88RD00104	K	palmatum Thunb. 'Nicholsonii'
83RD00356	G	palmatum Thunb. 'Nuresagi'
79RD00433	I G	palmatum Thunb. 'Omato'
77RD00450	I G	palmatum Thunb. 'Ornatum'
83RD00357	G	palmatum Thunb. 'Ornatum'
00ZG00999	G	palmatum Thunb. 'Osakazuki'
77RD00449	V G	palmatum Thunb. subsp. <i>palmatum</i>
83RD00201	E	palmatum Thunb. subsp. <i>palmatum</i> [S.Korea]
89RD00046	E	palmatum Thunb. subsp. <i>palmatum</i> [Japan]
89RD00064	E	palmatum Thunb. subsp. <i>palmatum</i> [Japan]
90RD00336	G	palmatum Thunb. subsp. <i>palmatum</i>
79RD00434	G	palmatum Thunb. 'Red Pygmy'
00ZG01759	I G	palmatum Thunb. 'Reticulatum'
00ZG00752	I G	palmatum Thunb. 'Rufescens'
79RD00435	I G	palmatum Thunb. 'Samidare'
85RD00355	K	palmatum Thunb. 'Sangokaku'
88RD00105	I K	palmatum Thunb. 'Sangokaku'
77RD00588	I G	palmatum Thunb. 'Sanguineum'
92RD00701	G	palmatum Thunb. 'Satsuki-beni'
88RD00106	K	palmatum Thunb. 'Seiryu'
84RD00331	G	palmatum Thunb. 'Sherwood Flame'
00ZG01672	I G	palmatum Thunb. 'Shishigashira'
79RD00439	I G	palmatum Thunb. 'Shishigashira'
00ZG00068	I G	palmatum Thunb. 'Versicolor'
88RD00108	K	palmatum Thunb. 'Villa Taranto'
84RD00332	G	palmatum Thunb. 'Wabito'
79RD00610	G	pectinatum Wall. ex Nichols. subsp. <i>forrestii</i> (Diels) E. Murray
84RD00350	G	pectinatum Wall. ex Nichols. subsp. <i>forrestii</i> (Diels) E. Murray
84RD00351	G	pectinatum Wall. ex Nichols. subsp. <i>forrestii</i> (Diels) E. Murray
85RD00384	K	pectinatum Wall. ex Nichols. subsp. <i>forrestii</i> (Diels) E.

Aceraceae

- 88RD00109 K Murray 'Alice'
 pectinatum Wall. ex Nichols. subsp. forrestii (Diels) E.
 Murray 'Alice'
 78RD00947 G pectinatum Wall. ex Nichols. subsp. forrestii (Diels) E.
 Murray cv.
 90RD00775 E pectinatum Wall. ex Nichols. subsp. laxiflorum (Pax) E.
 Murray [SICH 200 Sichuan]
 88RD00110 K pectinatum Wall. ex Nichols. subsp. taronense
 (Hand.-Mazz.) E. Murray
 74RD00251 I G pensylvanicum L.
 78RD01030 I G pensylvanicum L.
 90RD00217 K pensylvanicum L.
 84RD00314 E pentapomicum J.L. Stewart ex Brandis [Turkmenistan]
 88RD00248 E pentapomicum J.L. Stewart ex Brandis [Central Asia]
 00ZG01779 I G platanoides L. 'Almira'
 87RD00292 K platanoides L. 'Autumn Blaze'
 00ZG01778 G platanoides L. 'Cleveland'
 85RD00321 K platanoides L. 'Deborah'
 00ZG00896 G platanoides L. 'Drummondii'
 69RD00141 G platanoides L. 'Faassen's Black'
 85RD00396 K platanoides L. 'Farlake's Green'
 87RD00293 K platanoides L. 'Farlake's Green'
 88RD00263 K platanoides L. 'Globosum'
 81RD00424 I U platanoides L. 'Marmoratum'
 00ZG01304 I G platanoides L. 'Nanum'
 84RD00347 I G platanoides L. 'Nanum'
 92RD00719 K platanoides L. subsp. platanoides
 85RD00322 K platanoides L. 'Royal Red'
 60RD00113 I G platanoides L. 'Schwedleri'
 61RD00364 I G platanoides L. 'Schwedleri'
 78RD00922 G platanoides L. subsp. turkestanicum (Pax) De Jong
 84RD00423 G platanoides L. subsp. turkestanicum (Pax) De Jong
 85RD00283 G platanoides L. subsp. turkestanicum (Pax) De Jong
 88RD00002 G platanoides L. subsp. turkestanicum (Pax) De Jong
 78RD00792 G pseudoplatanus L.
 85RD00325 K pseudoplatanus L. 'Brilliantissimum'
 85RD00362 K pseudoplatanus L. 'Brilliantissimum'
 87RD00294 K pseudoplatanus L. 'Bruchem'
 78RD00899 G pseudoplatanus L. cv.
 00ZG00207 I G pseudoplatanus L. 'Leopoldii'
 00ZG00211 I G pseudoplatanus L. 'Leopoldii'
 00ZG00970 G pseudoplatanus L. 'Leopoldii'
 00ZG00988 G pseudoplatanus L. 'Leopoldii'
 72RD00277 G pseudoplatanus L. 'Leopoldii'
 85RD00324 K pseudoplatanus L. 'Prinz Handjery'
 00ZG01002 G pseudoplatanus L. 'Purpureum'
 00ZG01106 G pseudoplatanus L. 'Purpureum'

Aceraceae

00ZG00958	I G	pseudoplatanus L. 'Worleei'
77RD00127	I E	pseudosieboldianum (Pax) Komarov subsp. pseudosieboldianum [S.Korea]
78RD00965	G	pseudosieboldianum (Pax) Komarov subsp. pseudosieboldianum
87RD00209	G	pseudosieboldianum (Pax) Komarov subsp. pseudosieboldianum
83RD00202	E	pseudosieboldianum (Pax) Komarov subsp. takesimense (Nakai) De Jong [S.Korea]
83RD00204	E	pseudosieboldianum (Pax) Komarov subsp. takesimense (Nakai) De Jong [S.Korea]
84RD00349	N	pseudosieboldianum (Pax) Komarov subsp. takesimense (Nakai) De Jong
79RD00441	I K V	pycnanthum K. Koch
00ZG01008	I G	rubrum L.
62RD00527	E	rubrum L.
78RD00881	G	rubrum L.
78RD00890	G	rubrum L.
00ZG01760	G	rubrum L. 'Gerling'
00ZG01761	G	rubrum L. 'Scanlon'
79RD00400	I G	rubrum L. 'Scanlon'
79RD00401	G	rubrum L. 'Tilford'
61RD00157	G	rufinerve Sieb. & Zucc.
72RD00019	I G	rufinerve Sieb. & Zucc.
74RD00120	G	rufinerve Sieb. & Zucc.
90RD00554	E	rufinerve Sieb. & Zucc. [Japan]
90RD00555	E	rufinerve Sieb. & Zucc. [Japan]
77RD00590	I G	saccharinum L.
78RD00660	I E	saccharinum L.
78RD00901	G	saccharinum L.
00ZG00982	G	saccharinum L. 'Lutescens'
00ZG02297	G	saccharinum L. 'Wieri Laciniatum'
00ZG02298	G	saccharinum L. 'Wieri Laciniatum'
85RD00089	E	saccharum Marsh. subsp. floridanum (Chapm.) Desmarais [Louisiana]
86RD00299	K	saccharum Marsh. subsp. floridanum (Chapm.) Desmarais
77RD00319	E	saccharum Marsh. subsp. grandidentatum (Torr. & A. Gray) Desmarais [Utah]
77RD00320	E	saccharum Marsh. subsp. grandidentatum (Torr. & A. Gray) Desmarais [Utah]
78RD00015	I E	saccharum Marsh. subsp. nigrum (Michx.f.) Desmarais [United States (excl. Alaska)]
61RD00490	I E	saccharum Marsh. subsp. saccharum
78RD00891	I G	saccharum Marsh. subsp. saccharum
78RD00898	I G	saccharum Marsh. subsp. saccharum
80RD00484	E	saccharum Marsh. subsp. saccharum [Ontario]
74RD00244	G	shirasawanum Koidz. var. shirasawanum

Aceraceae

- 81RD00181 E shirasawanum Koidz. var. shirasawanum [Honshu]
00ZG00989 I G shirasawanum Koidz. var. shirasawanum 'Aureum'
84RD00336 G shirasawanum Koidz. var. shirasawanum cv.
79RD00422 I G shirasawanum Koidz. var. shirasawanum 'Microphyllum'
79RD00442 I G shirasawanum Koidz. var. shirasawanum 'Microphyllum'
80RD00173 E shirasawanum Koidz. subsp. tenuifolium Koidz. [Honshu]
84RD00338 K shirasawanum x palmatum -hybr. cv.
84RD00339 K shirasawanum x palmatum -hybr. cv.
84RD00341 K shirasawanum x palmatum -hybr. cv.
84RD00342 K shirasawanum x palmatum -hybr. cv.
84RD00343 K shirasawanum x palmatum -hybr. cv.
84RD00344 K shirasawanum x palmatum -hybr. cv.
84RD00345 K shirasawanum x palmatum -hybr. cv.
84RD00346 K shirasawanum x palmatum -hybr. cv.
62RD00694 G sieboldianum Miq.
79RD00445 I G sieboldianum Miq.
00ZG01261 G spec.
78RD00902 G spec.
85RD00210 G spec.
87RD00146 E spec. [Sichuan]
74RD00246 G spicatum Lam.
78RD01028 G spicatum Lam.
81RD00426 I G spicatum Lam.
79RD00444 I G stachyophyllum Hiern subsp. stachyophyllum
80RD00236 G stachyophyllum Hiern subsp. stachyophyllum
81RD00033 G stachyophyllum Hiern subsp. stachyophyllum
81RD00083 I E sterculiaceum Wall. subsp. franchetii (Pax) E. Murray
[Zhejiang]
78RD00002 G tataricum L. subsp. aidzuense (Franch.) De Jong
78RD00942 G tataricum L. subsp. aidzuense (Franch.) De Jong
83RD00272 E tataricum L. var. divaricatum [B.E.C. 2 S.Korea]
00ZG00987 I G tataricum L. subsp. ginnala (Maxim.) Wesm.
00ZG00992 I G tataricum L. subsp. ginnala (Maxim.) Wesm.
78RD00005 G tataricum L. subsp. ginnala (Maxim.) Wesm.
78RD00052 I G tataricum L. subsp. ginnala (Maxim.) Wesm.
78RD00474 I G tataricum L. subsp. ginnala (Maxim.) Wesm.
83RD00251 G tataricum L. subsp. ginnala (Maxim.) Wesm.
84RD00442 G tataricum L. subsp. ginnala (Maxim.) Wesm.
85RD00385 K tataricum L. subsp. ginnala (Maxim.) Wesm. 'Fire'
85RD00369 K tataricum L. subsp. ginnala (Maxim.) Wesm. 'Flame'
79RD00093 G tataricum L. subsp. semenovii (Regel & Herd.) Pax
79RD00139 G tataricum L. subsp. semenovii (Regel & Herd.) Pax
85RD00227 E tataricum L. subsp. semenovii (Regel & Herd.) Pax
[Turkmenistan]
00ZG00960 G tataricum L. subsp. tataricum
61RD00559 I G tataricum L. subsp. tataricum
62RD00781 G tataricum L. subsp. tataricum

Aceraceae

- 78RD00012 E tataricum L. subsp. tataricum [European Russia]
 78RD00946 G tataricum L. subsp. tataricum
 85RD00258 E tataricum L. subsp. tataricum [Kazakhstan]
 89RD00016 G tataricum L. subsp. theiferum (Fang) De Jong
 91RD01333 G tataricum L. subsp. theiferum (Fang) De Jong
 79RD00017 G tataricum L. var. torminaloides Pax
 61RD01511 I G tegmentosum Maxim.
 78RD00724 I G triflorum Kom.
 81RD00081 E triflorum Kom. [ASHB S.Korea]
 84RD00434 G triflorum Kom.
 61RD00380 G truncatum Bunge
 78RD00920 I G truncatum Bunge
 80RD00218 G truncatum Bunge
 78RD00392 N tschonoskii Maxim. subsp. tschonoskii [Japan]
 79RD00103 S tschonoskii Maxim. subsp. tschonoskii [Japan]
 74RD00247 G velutinum Boiss. var. vanvolkemii (Mast.) Rehd.
 74RD00105 I G velutinum Boiss. var. velutinum
 74RD00409 I G velutinum Boiss. var. velutinum
 78RD00884 G velutinum Boiss. var. velutinum
 78RD00885 G velutinum Boiss. var. velutinum
 78RD00949 I G velutinum Boiss. var. velutinum
 78RD00950 G velutinum Boiss. var. velutinum
 78RD00954 G velutinum Boiss. var. velutinum
 78RD00895 G x zoeschense Pax

Dipteronia

- 00ZG00996 G R sinensis Oliv.
 70RD00007 G R sinensis Oliv.
 80RD00294 G R sinensis Oliv.
 90RD00227 K R sinensis Oliv.

Actinidiaceae

Actinidia

- 69RD00147 I G arguta (Sieb. & Zucc.) Planch. ex Miq. var. arguta
 91RD00960 K chinensis Planch.
 64RD00321 I G kolomikta (Maxim. & Rupr.) Maxim. var. kolomikta
 71RD00038 I G kolomikta (Maxim. & Rupr.) Maxim. var. kolomikta
 78RD00393 N polygama (Sieb. & Zucc.) Maxim. var. polygama [Japan]

Adiantaceae

Acrostichum

- 91GR00744 E aureum L. [F.BI French Guiana]

Adiantum

- 69GR00298 E capillus-veneris L. [ERNST Italy]

Adiantaceae

- 83BL00434 E capillus-veneris L. [N 8331 Switzerland]
 68GR00421 I G hispidulum Sw.
 69BL00277 I G pedatum L. var. pedatum
 68GR00424 I G polyphyllum Willd.
 68GR00428 I G raddianum K.B. Presl
 76GR00272 I G raddianum K.B. Presl
 84GR00121 E E reniforme L. [VELDH. 013 Spain]
 72BL00247 I G venustum G. Don

Cheilanthes

- 84GR00113 E marantae (L.) Domin [VELDH. 005 Spain]
 84GR00124 E pulchella Bory ex Willd. [VELDH. 016 Spain]

Coniogramme

- 73GR00420 G spec.

Doryopteris

- 73GR00318 I G concolor (Langsd. & Fisch.) Kuhn var. concolor
 73GR00319 I G pedata (L.) Fee

Eriosorus

- 86GR00873 E spec. [H.- 7020-01 Costa Rica]

Gymnopteris

- 90GR00446 G tomentosa

Pellaea

- 68GR00545 I G rotundifolia (G. Forst.) W.J. Hook.

Pteris

- 68GR00597 I G K cretica L.
 82GR00172 I E holttumii C.Chr. [JONCH. 1347 Sulawesi (Celebes)]
 68GR00598 I G vittata L.

Agavaceae

Agave

- 73GR00576 G albicans Jacobi
 73GR00570 G americana L.
 78GR00305 G americana L. 'Aureovariegata'
 78GR00306 G americana L. cv.
 76GR00227 G americana L. 'Medio-alba'
 74GR00777 G americana L. 'Striata'
 77GR00192 G attenuata Salm-Dyck
 90GR00412 G attenuata Salm-Dyck
 90GR00536 E brachystachys Cav. [Mexico (state)]
 73GR00574 G fourcroydes Lem.

Agavaceae

73GR00579	G	kerchovei Lem.
88GR00152	G	parrasana Berger
90GR00413	G	parrasana Berger
85BL00254	G	parryi Engelm.
73GR00578	G	pavoliniana Pamp.
73GR00476	G	sisalana Perrine
76GR00162	G	stricta Salm-Dyck
72GR00103	I G	univittata Haw.
73GR00667	G	univittata Haw.
72GR00102	I G	univittata Haw. var. heteracantha (Berger) Breitung
72GR00100	G	vera-cruz Mill.

Beaucarnea

75GR00271	G	recurvata Lem.
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Bechorneria

73GR00580	I G	pubescens Berger
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Cordyline

67GR00240	E	dracaenoides Kunth [JCL <u>Brazil</u>]
72GR00110	G	fruticosa (L.) A. Chev.
74GR00666	I G	fruticosa (L.) A. Chev. 'Firebrand'
77GR00247	I G	stricta (Sims) Endl.

Dasyliirion

73GR00658	G	glaucophyllum W.J.Hook.
73GR00603	G	longissimum Lem.

Doryanthes

73GR00602	I G	palmeri A.W.Hill
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Dracaena

74GR00060	I G	deremensis (N.E.Br.) Engl. 'Bausei'
73GR00604	G V	draco (L.) L.
92BL01033	G V	draco (L.) L.
75GR00335	I U	glomerata Bak.
68GR00908	I G	reflexa Lam. var. linearifolia Bak.
74GR00083	I G	surculosa Lindl. var. surculosa 'Punctulata'

Furcraea

77GR00012	G	elegans Tod.
73GR00614	I G	undulata Jacobi

Phormium

73GR00695	I G	tenax J.R. & G.Forst.
75GR00282	I G	tenax J.R. & G.Forst. 'Variegatum'

Agavaceae

- Sansevieria**
 68GR00942 I G cylindrica Boj.
 76GR00063 I G cylindrica Boj.
 68GR00914 E liberica Ger. & Labr.
 68GR01062 I G trifasciata Prain 'Hahnii'

- Yucca**
 75GR00332 I G aloifolia L.
 76GR00364 G aloifolia L. 'Marginata'
 72GR00099 G aloifolia L. 'Tricolor'
 72GR00101 G aloifolia L. 'Tricolor'
 90GR00488 E brevifolia Engelm. [FROMME United States (excl. Alaska)]
 73GR00655 G elephantipes Regel
 77RD00563 I G flaccida Haw.
 73GR00656 G whipplei Torr.

Aizoaceae

- Aethephyllum**
 92ZE00330 G pinnatifidum (L.f.) N.E. Br.

- Bergeranthus**
 73GR00582 I G scapiger (Haw.) N.E.Br.

- Conophytum**
 76GR00540 G angustum N.E. Br.
 76GR00543 I G elishae (N.E. Br.) N.E. Br.
 70GR00195 G globosum (N.E. Br.) N.E. Br.
 76GR00550 G subglobosum Tisch.

- Delosperma**
 73GR00600 I G echinatum (Ait.) Schwant.
 73GR00599 I G herbeum (N.E.Br.) N.E.Br.
 73GR00601 I G VR steytlerae L.Bol.

- Dorotheanthus**
 89ZE00028 K bellidiformis (Burm.f.) N.E.Br. cv.

- Faucaria**
 73GR00618 U subindurata L.Bol.

- Glottiphyllum**
 73GR00619 G latum (Salm-Dyck) N.E.Br.
 72GR00219 I G propinquum N.E.Br.

- Lampranthus**
 72GR00213 I G brownii (J.D.Hook.) N.E.Br.

Aizoaceae

- 73GR00629 G **Oscularia**
caulescens (Mill.) Schwant.
- 76GR00440 G **Pleiospilos**
nobilis (Haw.) Schwant.
- 57ZE01007 I G **Tetragonia**
tetragonioides (Pall.) O. Kuntze
- 76GR00204 I G **Trichodiadema**
bulbosum (Haw.) Schwant.
73GR00652 I G stellatum (Mill.) Schwant.

Alangiaceae

- 91GR01420 E **Alangium**
platanifolium (Sieb. & Zucc.) Harms [Hunan]

Alismataceae

- 75ZS00067 G **Alisma**
plantago-aquatica L.
- 89GR00113 G **Echinodorus**
intermedius (Mart.) Griseb.
- 75ZS00064 G **Sagittaria**
sagittifolia L.

Aloaceae

- 73GR00679 I G **Aloe**
arborescens Mill.
73GR00684 G bainesii Dyer
90GR00418 G x caesia Salm-Dyck
73GR00680 I G K ciliaris Haw.
73GR00682 G cryptopoda Bak.
75GR00111 I G E humilis (L.) Mill.
76GR00217 V G E juvenna P. Brandham & S. Carter
76GR00175 G marlothii Berger
76GR00171 G striata Haw.
90GR00414 G thraskii Baker

Amaranthaceae

- 74ZE02060 I E **Achyranthes**
aspera L. f. purpurea Mair [JVL 14141 Tenerife]

Amaranthaceae

		Alternanthera	
84GR00400	G	sessilis R. Br.	
		Amaranthus	
53ZE00813	I G	hybridus L.	
73ZE00844	I G	retroflexus L.	
		Celosia	
90ZE00537	E	argentea L. [Mexico (state)]	
80ZE02159	I G	argentea L. 'Plumosa'	
		Cyathula	
68GR00700	I G	prostrata (L.) Bl.	
		Gomphrena	
80ZE02106	I G	decumbens Jacq.	
		Pleuropetalum	
74GR00319	I E R	darwinii J.D.Hook. [HVDW 178 Galapagos Isls.]	
		Amaryllidaceae	
		Amaryllis	
85GR00059	E	spec. [M&ZAN <u>Santo Domingo</u>]	
		Bomarea	
80GR00248	I E	edulis (Tussac) Herb. [L&G 455 <u>Suriname</u>]	
70GR00146	E	spec.	
		Clivia	
74GR00709	I G I	miniata Regel	
68GR01519	G	miniata Regel 'Jules Burvenich'	
		Corbularia	
69BL00465	I G	bulbocodium (L.) Haw.	
		x Crinodonna	
69GR00292	G	traubii Mold. 'Doctor Stafleu'	
		Crinum	
77GR00236	I G	x powellii Bak.	
85BL00182	G	spec.	
		Curculigo	
83GR00293	G	capitulata (Lour.) O.Kuntze	

Amaryllidaceae

- Galanthus**
- 68BL00109 I G alleni Bak.
 78BL00402 N I alpinus Sosn. [Caucasus]
 78BL00001 G caucasicus (Bak.) Grossh. var. hiemalis F.C.Stern
 87BL00215 E elwesii J.D.Hook. [Turkey (Asia Minor)]
 69BL00469 I G elwesii J.D.Hook. var. elwesii
 77BL00001 I N elwesii J.D.Hook. var. elwesii [Turkey (Asia Minor)]
 78BL00002 I G graecus Orph. ex Boiss.
 83BL00437 E graecus Orph. ex Boiss. [Yugoslavia]
 73BL00026 I G R ikariae Bak. subsp. ikariae
 71BL00414 I G nivalis L.
 66BL00306 I E V plicatus M.B. [Caucasus]
 78BL00003 I G rizehensis F.C.Stern
 80BL00076 E woronowii Losinsk. [Czechoslovakia]

- Haemanthus**
- 75GR00070 G coccineus L.

- Hippeastrum**
- 87GR00271 E spec. [MJJ 1109 Guyana]

- Hymenocallis**
- 68GR00733 G R longipetala (Lindl.) Macbr.
 68GR00836 I G obtusata (Griseb.) Walp.
 84GR00070 I E tubiflora Salisb. [JJDG 6563 French Guiana]

- Hypoxis**
- 64GR00115 I G hirsuta (L.) Coville

- Leucojum**
- 69BL00467 I G aestivum L.
 86BL00431 E autumnale L. [MAAS 6544 Portugal]
 87BL00190 E valentinum Pau subsp. vloreense [Albania]
 65BL00656 I E vernum L. [Switzerland]

- Lycoris**
- 90BL01194 K radiata (L'Herit.) Herb.
 68GR00866 G sanguinea Maxim. var. kiushiana Mak.

- Narcissus**
- 69BL00461 I G asturiensis (Jord.) Pugsley
 84BL00146 E dubius Gouan [France]
 69BL00455 G x odoros L. 'Rugulosus'
 69BL00488 I G 'Oliver Cromwell'
 77BL00413 G poeticus L. 'Pheasant's Eye'
 67BL00297 I E poeticus L. subsp. poeticus [Yugoslavia]
 72BL00226 I E poeticus L. subsp. poeticus [Austria]

Amaryllidaceae

- 87BL00553 S poeticus L. subsp. poeticus [Greece]
 75BL00218 G requienii M.J. Roem.
 67BL00296 I E rupicola Dufour [JDS Spain]
 70BL00166 I G V scaberulus Henriq.
 84BL00147 E tazetta L. subsp. tazetta [France]
 69BL00458 I G triandrus L. 'Albus'
 87BL00492 E triandrus L. var. cernuus (Salisb.) Bak. [Portugal]
 76BL00135 I G 'Verger'

Pamianthe

- 68GR00827 I G E peruviana Stapf

Pancratium

- 69GR00165 I E maritimum L. [K&W 6020 Malta]

Scadoxus

- 68GR00816 I G multiflorus (Martyn) Raf. ssp. katherinae (Bak.) Friis & Nordal

Sprekelia

- 68GR00738 I G formosissima (L.) Herb.

Stenomesson

- 86GR00394 E flavum Herb. [Peru]

Sternbergia

- 72BL00277 G clusiana (Ker-Gawl.) Spreng.
 73BL00168 G lutea (L.) Ker-Gawl. ex Spreng.

Tapeinanthus

- 77BL00336 E humilis (Cav.) Herb. [JVL 48 Spain]

Zephyranthes

- 68GR01479 I G grandiflora Lindl.
 68GR01481 G spec.

Anacardiaceae

Cotinus

- 62RD00883 I G coggygia Scop.
 81RD00001 U coggygia Scop. var. cinerea Engl. [China]
 79RD00483 G coggygia Scop. 'Purpureus'
 79RD00379 G coggygia Scop. 'Royal Purple'
 79RD00484 G coggygia Scop. 'Royal Purple'
 64RD00266 I G coggygia Scop. 'Rubrifolius'
 70RD00088 G coggygia Scop. 'Rubrifolius'
 79RD00485 G coggygia Scop. 'Rubrifolius'

Anacardiaceae

			Pistacia
73GR00485	I G		lentiscus L.
			Rhus
92RD00717	K		hirta (L.) Sudworth f. dissecta (Rehd.) Reveal
75GR00318	G		spec.
73BL00140	G I		trilobata Nutt. ex Torr. & A.Gray
00ZG01145	G		verniciflua Stokes
78RD00153	S		verniciflua Stokes [<u>China</u>]
			Schinus
70GR00113	I E		lentiscifolius March. [JCL L6264 <u>Brazil</u>]
73GR00489	I G		molle L.
90GR00351	E		molle L. [<u>Peru</u>]
			Toxicodendron
78RD00028	E		radicans (L.) O.Kuntze [<u>Michigan</u>]

ANNONACEAE

The *Annonaceae* research collection (coordinator: Dr. P.J.M. Maas)
For the description of the research, see par. 2.1.1.

In 1983 the *Annonaceae* project was initiated, with the dual goal of the establishment of a modern classification of the whole family, and the publication of a series of monographs of the genera from tropical America. This multidisciplinary project was undertaken in close cooperation with leading botanists from all over the world and deals a.o. with the following topics: gross morphology (Utrecht), anatomy (Utrecht), pollen morphology (Paris), chemistry (Paris), karyology (Vienna), pollination (Utrecht, Manaus). *Annonaceae* is a family with ca. 130 genera and 2000 species, distributed all over the tropics. They are represented by woody plants, trees, shrubs, or lianas. The family includes some commercially important species, like *Annona muricata* (soursop), which is widely cultivated because of its delicious fruits. Its systematic position is in the order of *Magnoliales* and its supposedly closest relative is *Myristicaceae*. The family constitutes an important component of lowland rain forest all over the tropics.

Aims for the living collection

Annonaceae

Development of a collection, which covers the most important tropical genera, but particularly focused on the neotropics. The material is used for studies of leaves (anatomy), flowers, and fruits, for karyological investigations, for DNA-research, etc. Collections will be obtained by the staff during expeditions in tropical America. Paleotropical material may be obtained by seed-exchange.

Annonaceae

Anaxagorea

- 86GR00002 S E dolichocarpa Sprague & Sandwith [MD&RS 01 Suriname]
 87GR00256 S E dolichocarpa Sprague & Sandwith [MAAS 7080 Brazil]

Annona

- 79GR00028 S G cherimola Mill. [V.RD. 192]
 86GR00231 S E coriacea Mart. [Brazil]
 83GR00360 S E glabra L. [STOLZE Florida]
 76GR00116 S G montana Macfad.
 84GR00197 S G montana Macfad.
 87GR00001 S S montana Macfad.
 83GR00169 S E muricata L. [Burundi]
 79GR00026 S G purpurea Moc. & Sessé ex Dun. [V.RD. 189]
 85GR00062 S G reticulata L. [M&MEJ]
 86GR00399 S G senegalensis Pers.
 86GR01283 S G senegalensis Pers.
 82GR00092 S U squamosa L.
 83GR00235 S E squamosa L. [Burundi]

Artabotrys

- 76GR00015 S G hexapetalus (L.f.) Bhandari

Asimina

- 00ZG01017 S G triloba (L.) Dun.
 82RD00016 S E triloba (L.) Dun. [Ontario]
 83GR00348 S E triloba (L.) Dun. [MAAS 5945 Missouri]
 86GR00401 S E triloba (L.) Dun. [Ohio]
 86RD00001 S E triloba (L.) Dun. [Quebec]
 86RD00061 S E triloba (L.) Dun. [Michigan]

Desmopsis

- 85GR00043 S E microcarpa R.E. Fries [SCHATZ Z10 Costa Rica]

Desmos

- 84GR00183 S G chinensis Lour.

Annonaceae

- Duguetia**
 90GR01067 S E sessilis (Vell.) Maas [Rio de Janeiro (state)]
 91GR00438 E spec. [MAAS 7870 Costa Rica]
- Fissistigma**
 83GR00320 G spec.
- Friesodielsia**
 86GR00103 S E obovata (Benth.) Verdc. [Zimbabwe]
- Gutteria**
 90GR00805 S scandens Ducke [MAAS 7783]
 88GR00229 S E schomburgkiana Mart. [MAAS 7736 Guyana]
- Isolona**
 86GR00241 S G campanulata Engl. & Diels
 84GR00382 S E cooperi Hutch. & Dalz. ex Cooper & Record [W]
- Mkilua**
 91GR01649 S E fragrans Verdc. [Kenya]
- Monanthes**
 84GR00388 S E whytei (Stapf) Verdc. [W Nigeria]
- Monodora**
 64GR00066 S E crispata Engl. & Diels [WI 867 Ivory Coast]
 68GR00902 S E myristica (Gaertn.) Dun. [OLD 121 W. Trop. Africa]
 84GR00389 S E myristica (Gaertn.) Dun. [WE Ivory Coast]
 84GR00329 G spec.
 83GR00326 S N tenuifolia Benth. [Ivory Coast]
- Oxandra**
 88GR00230 S E asbeckii (Pulle) R.E. Fries [MAAS 7738 Guyana]
- Polyalthia**
 85GR00044 S G littoralis Boerl.
 83GR00182 S G suberosa Benth. & J.D.Hook. ex J.D.Hook.
 83GR00274 S G suberosa Benth. & J.D.Hook. ex J.D.Hook.
 83GR00317 S G suberosa Benth. & J.D.Hook. ex J.D.Hook.
 84GR00142 S G suberosa Benth. & J.D.Hook. ex J.D.Hook.
- Porcelia**
 83GR00367 S E venezuelensis Pittier [BRET]
- Rollinia**
 84GR00222 S E emarginata Schlechtend. [Argentina]
 88GR00196 S E exsucca (DC.ex Dunal) A.D.C. [MAAS 7109 French Guiana]

Annonaceae

- 88GR00104 S G mucosa (Jacq.) Baill.
87GR00257 S E parviflora St.-Hil. [MAAS 7089 Brazil]

Sapranthus

- 86GR00219 S E microcarpus (J.D.Sm.) R.E.Fries [SCHATZ 11 Mexico]
80GR00131 S E nicaraguensis Seem. [V.RD. 822 Guatemala]

Uvaria

- 83GR00330 S G afzeli Scott Elliot
80GR00028 S E chamae P. Beauv. [Togo]
85GR00173 S E chamae P. Beauv. [Togo]
84GR00333 S G lucida Benth. subsp. virens (N.E. Br.) Verdc.
84GR00334 S G lucida Benth. subsp. virens (N.E. Br.) Verdc.

Uvariopsis

- 84GR00381 S E globiflora Keay [BOS 10345 Ivory Coast]

Xylopia

- 84GR00271 S E peruviana R.E. Fries [MAAS 5953 Peru]
82GR00063 E spec. [BG Zambia]

unknown

- 84GR00383 E species 'ANNONA' [W S.Somalia]
88GR00150 G species 'ANNONA' [BG]

Apiaceae

Aethusa

- 57ZE00634 I G cynapium L.

Ammi

- 90ZE00290 I G majus L.
91ZE01054 G majus L.
91ZE01055 G majus L.
91ZE01056 G majus L.
91ZE01057 G majus L.
91ZE01058 G majus L.
91ZE01059 E majus L. [Italy]
90ZE00289 G visnaga (L.) Lam.
91ZE00566 G visnaga (L.) Lam.

Anethum

- 89ZE00025 K graveolens L.

Angelica

- 92ZE00322 S archangelica L. subsp. archangelica [W.Germany]
92ZE00511 E archangelica L. subsp. archangelica [W.Germany]

Apiaceae

89ZE00026	K	Anthriscus cerefolium (L.) Hoffm.
79ZE00359	G	Apium graveolens L. var. graveolens
66BL00195	I G	Astrantia major L.
91ZS01749	U	major L.
70BL00073	I G	trifida G.F.Hoffm.
66BL00184	I E	Athamanta turbith (L.) Brot. subsp. haynaldii (Borb. & Uechtr.) Tutin [N.Balkan]
71BL00185	I G	turbith (L.) Brot. subsp. turbith
66BL00158	I G	Azorella trifurcata (Gaertn.) Pers.
89ZS00024	E	Bunium bulbocastanum L. [JHW Limburg]
91BL01111	S	Bupleurum angulosum L. [Pyrenees]
64BL00377	I E	longifolium L. subsp. longifolium [Alps]
67BL00119	I E	petraeum L. [Alps]
88BL00274	S	spinosum Gouan [Spain]
53ZE01010	I G	Carum carvi L.
73ZS00028	I G	Chaerophyllum aromaticum L.
73ZS00029	I G	aureum L.
91ZE00676	E	temulum L. [E.Germany]
72ZE02162	I G	Coriandrum sativum L.
89ZE00020	U	Cuminum cyminum L.
91ZE00840	I E	Daucus carota L. subsp. carota [Belgium]
92ZE00149	E	carota L. subsp. carota [E.Germany]
92ZE00333	E	carota L. subsp. carota [Belgium]

Apiaceae

76BL00005 I G **Dystaenia**
ibukiensis (Yabe) Kitag.

64BL00405 I G V **Eryngium**
alpinum L.
71BL00200 I G amethystinum L.
65BL00081 I G bourgatii Gouan
85BL00056 E bourgatii Gouan [France]
84ZS00017 E campestre L. [Hungary]
85BL00040 G giganteum M.-Bieb.
87ZE01437 G giganteum M.-Bieb.
89ZE00005 G giganteum M.-Bieb.
87BL00262 G glaciale Boiss.
84ZS00007 E maritimum L. [W.Germany]
91BL00315 G maritimum L.
91BL00406 G I spinalba Vill.

73ZE00815 I G **Foeniculum**
vulgare Mill. var. vulgare
91ZE01743 U vulgare Mill. var. vulgare

69BL00209 I G **Hacquetia**
epipactis (Scop.) DC.

71ZS00056 G **Heracleum**
persicum Desf.
79ZS00032 G R sphondylium L.

73GR00125 I G **Heteromorpha**
arborescens Cham. & Schlechtend.

76BL00090 E **Laserpitium**
gallicum L. [France]
81BL00166 E halleri Crantz subsp. halleri [France]
79BL00025 E latifolium L. [Switzerland]
69BL00088 G siler L.

75ZS00018 I G **Levisticum**
officinale W.D.J.Koch

78BL00164 S **Ligusticum**
scoticum L. [Faroe Isl.]

79BL00026 E **Meum**
athamanticum Jacq. [Switzerland]
84BL00518 E athamanticum Jacq. [France]

Apiaceae

65BL00469	I G	Molopospermum peloponnesiacum (L.) W.D.J. Koch
72ZS00048	I G	Myrrhis odorata (L.) Scop.
73ZS00032	I G	Oenanthe pimpinelloides L.
69BL00242	I G V	Olymposciadium caespitosum (J.E.Sm.) Wolff
76ZE02113	G	Pastinaca sativa L. subsp. sativa
84ZE02510	K	Petroselinum crispum (Mill.) Nym. ex A.W.Hill subsp. crispum
78BL00470	E	Peucedanum austriacum (Jacq.) W.D.J.Koch [KUK 6636 <u>Italy</u>]
91BL00632	E	oreoselinum (L.) Moench [<u>E.Germany</u>]
74BL00011	E	verticillare (L.) K.Koch ex DC. [<u>Austria</u>]
82ZE02124	I G	Pimpinella anisum L.
84ZS00018	E	major (L.) Huds. [<u>Hungary</u>]
85BL00082	E	major (L.) Huds. [<u>Czechoslovakia</u>]
92ZS00334	E	major (L.) Huds. [<u>Belgium</u>]
92ZS00446	E	major (L.) Huds. [<u>Switzerland</u>]
88ZS00071	E	peregrina L. [<u>Tauris Crimea</u>]
84ZS00009	E	saxifraga L. [<u>E.Germany</u>]
91BL00730	E	saxifraga L. [<u>Norway</u>]
74BL00081	E	Sanicula europaea L.
55ZE00771	I G R	Scandix balansae Reut. ex Boiss.
89ZE00007	I G	pecten-veneris L.
55ZE00900	I G	Trachymene pilosa J.E. Sm.
85BL00021	S	Trochiscanthes nodiflora (Vill.) Koch [<u>Alps</u>]

Apocynaceae

Apocynaceae

- Acokanthera**
 74GR00634 I G oblongifolia (Hochst.) Codd
- Allamanda**
 74GR00490 I G cathartica L. 'Hendersonii'
- Alycia**
 74GR00732 I G buxifolia R. Br.
- Amsonia**
 75ZS00042 I G I tabernaemontana Walt.
- Carissa**
 68GR01036 I G bispinosa (L.) Desf. ex Brenan
- Catharanthus**
 91GR00879 I E E roseus (L.) G. Don [French Guiana]
- Landolphia**
 64GR00007 G scandens Didr.
- Nerium**
 75GR00320 I G oleander L.
 75GR00321 I G oleander L.
- Pachypodium**
 83GR00591 K V lamerei Drake
- Plumeria**
 68GR00372 I G rubra L. f. acutifolia (Ait.) Woods.
 78GR00198 G rubra L. f. rubra
- Rauvolfia**
 85GR00108 I E tetraphylla L. [Cuba]
- Rhazya**
 87BL00511 G orientalis (Decne.) A.DC.
- Thevetia**
 68GR00210 I G peruviana (Pers.) K.Schum.
- Trachelospermum**
 75GR00301 I G jasminoides (Lindl.) Lem.
- Trachomitum**
 76ZS00024 I G venetum (L.) Woods.

Apocynaceae

90RD00247	K	Vinca	major L.
79RD00346	G		major L. 'Horning Blue'
72BL00269	G		minor L.
73ZS00045	I G		minor L.
66BL00454	G		minor L. 'Alba'
66BL00465	I G		minor L. 'Atropurpurea'
79RD00353	G		minor L. 'Bowles Variety'

Aquifoliaceae

		Ilex	
86RD00384	K		aquifolium L. 'Alaska'
00ZG01373	G		aquifolium L. 'Angustifolia'
00ZG01374	G		aquifolium L. 'Angustifolia Aureomaculata'
65RD00249	I G		aquifolium L. 'Aureomarginata'
91RD00925	K		aquifolium L. 'Aureomarginata'
86RD00385	K		aquifolium L. 'Boerenbont'
86RD00386	K		aquifolium L. 'Contorta'
00ZG00931	G		aquifolium L. 'Ferox'
60RD00618	G		aquifolium L. 'J.C. van Tol'
00ZG00932	G		aquifolium L. 'Monstrosa'
00ZG01669	G		ciliospinosa Loes.
65RD00138	G		crenata Thunb.
86RD00009	G		crenata Thunb.
00ZG01771	G		crenata Thunb. 'Convexa'
00ZG01378	G		crenata Thunb. 'Globosa'
00ZG01376	G		crenata Thunb. 'Golden Gem'
79RD00640	G		crenata Thunb. 'Helleri'
65RD00129	I G		crenata Thunb. 'Luteovariegata'
79RD00629	G		crenata Thunb. 'Mariesii'
91RD01244	K		crenata Thunb. 'Mariesii'
62RD00087	I G		crenata Thunb. 'Microphylla'
00ZG01379	G		crenata Thunb. 'Viridis'
76RD00231	G		decidua Walt.
64RD00458	U		geniculata Maxim.
00ZG02152	G		glabra (L.) A.Gray
63RD00417	I G		glabra (L.) A.Gray
71RD00047	I G		glabra (L.) A.Gray
65RD00171	G		longipes Chapm.
65RD00225	E		longipes Chapm.
86RD00356	K		x meserveae S.-Y.Hu 'Blue Angel'
86RD00387	K		x meserveae S.-Y.Hu 'Blue Prince'
86RD00354	K		x meserveae S.-Y.Hu 'Blue Princess'
74RD00277	I G		opaca Ait.
90GR00009	G		paraguariensis
00ZG03410	G		pedunculosa Miq. var. continentalis (Loes.) Bean

Aquifoliaceae

- 61RD00653 I G pedunculosa Miq. var. pedunculosa
 64RD00317 G pernyi Franch.
 65RD00238 G pernyi Franch.
 86RD00282 K pernyi Franch.
 60RD00147 G serrata Thunb.
 61RD00485 I E verticillata (L.) A.Gray [United States (excl. Alaska)]
 63RD00415 I G verticillata (L.) A.Gray
 69RD00127 G verticillata (L.) A.Gray
 71RD00046 I G verticillata (L.) A.Gray

Nemopanthus

- 71RD00106 E mucronatus (L.) Trel. [New York, incl. Long Island]

Araceae

Acorus

- 75ZS00031 I G calamus L.
 75ZS00054 G calamus L.
 70ZS00024 I G calamus L. 'Variegatus'
 74GR00653 I G gramineus Soland. 'Argenteostriatus'
 68GR01049 G gramineus Soland. 'Aureovariegatus'

Aglaonema

- 74GR00661 I G brevispathum (Engl.) Engl. f. hospitum (F.N. Williams) Nicols.
 74GR00039 G commutatum Schott 'Treubii'
 71GR00151 I G costatum N.E. Br. f. costatum
 74GR00664 I G crispum (Pitcher & Manda) Nicols.
 72GR00396 I G nitidum (Jack) Kunth f. curtisii (N.E. Br.) Nicols
 68GR00988 I G pictum (Roxb.) Kunth

Alocasia

- 74GR00645 G cucullata (Lour.) G. Don
 74GR00660 G lowii J.D. Hook. 'Veitchii'

Amorphophallus

- 68GR01475 G konjac K. Koch
 68GR01476 G konjac K. Koch
 77GR00014 G konjac K. Koch

Anthurium

- 77GR00123 I E amnicola Dressl. [MAAS 2724 Panama]
 68GR00810 I G bakeri J.D. Hook.
 88GR00261 S E cordatum K. Koch & Sello [LUKK. St. Eustatius]
 79GR00095 I E crassinervium (Jacq.) Schott [STOFF Curacao]
 70GR00127 I G crystallinum Lind. & Andre
 74GR00637 G x cultorum Birdsey 'Caladiiflorum'

Araceae

84GR00466	E	<i>cuspidatum</i> Mast. [<u>Ecuador</u>]
91GR00984	U	<i>eminens</i>
68GR00806	I G	<i>galeottii</i> K.Koch
70GR00128	I G	<i>harrisii</i> Endl.
72GR00056	S G	<i>hookeri</i> Kunth
89GR00008	S K	<i>hookeri</i> Kunth
73GR00734	G	<i>macrolobum</i> Hort.Bull ex Mast. & T.Moore
70GR00125	I G	<i>magnificum</i> Lind.
88GR00266	U	<i>magnificum</i> Lind.
73GR00729	G	<i>miquelianum</i> K.Koch & Aug.
84GR00067	S E	<i>pallidiflorum</i> [C.GOUDA <u>Ecuador</u>]
68GR00804	G	<i>papillosum</i> Hort.
70GR00131	S G	<i>pentaphyllum</i> (Aubl.) G.Don var. <i>pentaphyllum</i>
79GR00068	N	<i>pentaphyllum</i> (Aubl.) G.Don var. <i>pentaphyllum</i> [PL <u>Peru</u>]
92GR00574	G	<i>polyschystum</i> R. Schultes & Idrobo
74GR00468	G	<i>radicans</i> K.Koch
78GR00215	I E	<i>scandens</i> (Aubl.) Engl. var. <i>scandens</i> [<u>Costa Rica</u>]
88GR00274	E	spec. [GR&JJ <u>French Guiana</u>]
		Ariopsis
68GR01473	I G	<i>peltata</i> Nimmo

ARISAEMA

Introduction

Arisaema is a genus of woodland plants which occurs in E.Africa, trop. & E.Asia, and western N.America. Studies have been carried out on cultivated species of *Arisaema* but there is quite a number of species from E.Asia (esp. China) which have not been studied extensively yet.

Many species are (very) difficult to grow. There is a small scale propagation of some *Arisaema* species, but others are imports from wild collected material. Scarcely any *Arisaema* are produced commercially in The Netherlands (Oldfield 1989). This collection is still in an early phase of development.

Aims

- 1 Enlarging the collection of the genus in cultivation.
- 2 Scientific study of the genus.

Programme

Adding material from natural habitats to the collection, as well as from cultivated origin. To acquire a complete picture of the spe-

cies and their infraspecific variability, much space is needed for isolation of separate groups.

Location

Woodland Section at Fort Hoofddijk.

		Arisaema
84BL00545	G	amurense Maxim.
88BL00401	E	amurense Maxim. var. amurense [S.Korea]
88BL00402	E	amurense Maxim. var. amurense [Cheju Do (Quelpaert Isl.)]
84BL00561	I G	candidissimum W.W.Sm.
87BL00009	S	concinnum Schott [Nepal]
87BL00172	G	consanguineum Schott
88BL00176	G	consanguineum Schott
89BL00077	I E	consanguineum Schott [CT 930 Sichuan]
86BL00395	I S	costatum (Wall.) Mart. ex Schott [SCHLL Nepal]
82BL00009	E	dracontium (L.) Schott [Michigan]
85BL00117	E	dracontium (L.) Schott [Michigan]
86BL00148	E	dracontium (L.) Schott [Michigan]
87BL00010	S	exappendiculatum Hara [SCHLL 2151 Nepal]
71BL00337	I G	flavum (Forssk.) Schott
84BL00036	G	flavum (Forssk.) Schott
86BL00078	G	flavum (Forssk.) Schott
86BL00394	S	flavum (Forssk.) Schott [Yemen]
86BL00396	G	flavum (Forssk.) Schott
87BL00008	I S	jacquemontii Bl. [India]
78BL00132	E	peninsulae Nakai [Japan]
83BL00192	I E	ringens (Thunb.) Schott [Honshu]
84BL00482	U	ringens (Thunb.) Schott
85BL00005	G	ringens (Thunb.) Schott
85BL00020	G	ringens (Thunb.) Schott
85BL00097	U	ringens (Thunb.) Schott
87BL00005	N	ringens (Thunb.) Schott [Japan]
88BL00464	I G	ringens (Thunb.) Schott
88BL00046	G	robustum (Engl.) Nakai
88BL00107	G	robustum (Engl.) Nakai
84BL00382	I G	serratum (Thunb.) Schott
84BL00480	E	serratum (Thunb.) Schott [Japan]
85BL00285	I G	serratum (Thunb.) Schott
85BL00290	G	serratum (Thunb.) Schott
86BL00466	E	serratum (Thunb.) Schott [Primorsk Terr.]
87BL00006	S	serratum (Thunb.) Schott [B.E.C. 034 S.Korea]
87BL00007	E	serratum (Thunb.) Schott [B.E.C. 107 S.Korea]
91BL01034	K	serratum (Thunb.) Schott
84BL00410	E	spec. [S.Korea]
84BL00485	U	spec.

Araceae

88BL00405	E	spec. [<u>Cheju Do (Quelpaert Isl.)</u>]
90BL00923	U	spec.
91BL01941	E	spec. [WOLB 91-051 <u>Nepal</u>]
84BL00352	G	tortuosum (Wall.) Schott
86BL00157	G	tortuosum (Wall.) Schott
88BL00465	I G	tortuosum (Wall.) Schott
71BL00158	I G	triphyllum (L.) Torr.
80ZS00014	E	triphyllum (L.) Torr. [<u>Ontario</u>]
84BL00041	I E	triphyllum (L.) Torr. [<u>Virginia</u>]
84BL00234	E	triphyllum (L.) Torr. [<u>Pennsylvania</u>]
85BL00024	E	triphyllum (L.) Torr. [<u>Michigan</u>]
88BL00433	E	triphyllum (L.) Torr. [<u>Ohio</u>]
86BL00132	E	triphyllum (L.) Torr. 'Zebrinum' [<u>Quebec</u>]
82BL00142	G	urashima Hara
85BL00191	K	urashima Hara

Arisarum

71BL00362	I G	proboscideum (L.) Savi
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Arum

65BL00290	G	italicum Mill.
80ZB00001	G	italicum Mill. 'Marmoratum'
66BL00400	I G	maculatum L.

Biarum

73BL00133	I E	tenuifolium (L.) Schott var. abbreviatum (Schott) Engl. [HTH <u>Greece</u>]
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Callopsiis

68GR00702	I E	volkensii Engl. [GIESB <u>Tropical Africa</u>]
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Culcasia

73GR00134	I G	striolata Engl.
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Dieffenbachia

73GR00724	G	x bausei Hort.
73GR00723	I G	maculata (Lodd.) G. Don
78GR00214	G	oerstedii Schott 'Variegata'

Dracontium

91GR01061	G	gigas
91GR01062	G	polyphyllum

Epipremnum

74GR00655	I G	pinnatum (L.) Engl. 'Aureum'
68GR00273	G	pinnatum (L.) Engl. 'Gerda'

Araceae

- Gonatopus**
77GR00077 G boivinii (Decne.) J.D.Hook.
- Helicodiceros**
73BL00170 I G muscivorus (L.f.) Engl.
- Lasia**
73GR00453 I G spinosa (L.) Thwait.
- Lysichiton**
75BL00216 I G americanus Hult. & St.John
76ZS00030 I G americanus Hult. & St.John
78ZB00002 G americanus Hult. & St.John
85BL00215 G americanus Hult. & St.John
89BL00152 G americanus Hult. & St.John
86BL00177 G camtschatcensis (L.) Schott
91ZS00439 G camtschatcensis (L.) Schott
- Monstera**
74GR00055 I G adansonii Schott var. lanata (Schott) Madison
72GR00117 S G deliciosa Liebm.
92GR00565 G dubia (H.B.K.) Engl. & Krause
79GR00073 N lechlerana Schott [Ecuador]
65GR00021 G obliqua Miq.
68GR01309 G obliqua Miq.
79GR00075 I N subpinnata (Schott) Engl. [PL 5673 Peru]
- Nephtytis**
68GR00913 I G afzelii Schott
- Philodendron**
91GR00985 U angustisectum Engl.
68GR00277 S G bipennifolium Schott
79GR00245 I E callosum K.Krause [Guyana]
72GR00052 I G crassinervium Lindl.
88GR00177 S E eordatum Schott [GR&JJ French Guiana]
84GR00080 S E fragrantissimum (W.J.Hook.) Kunth [JJDG 5975 French Guiana]
75GR00401 S K gloriosum André
92GR00561 G gracile Schott
78GR00238 S E linnaei Kunth [Venezuela]
88GR00176 S E linnaei Kunth [BG French Guiana]
72GR00053 I G martianum Engl.
72GR00054 I G melanochrysum Linden & André
78GR00237 E melinonii Brongn. ex Regel [Suriname]
72GR00115 I G pedatum (W.J.Hook.) Kunth var. palmatisectum (Engl.)
Jonker & Jonker

Araceae

- 74GR00050 G scandens K.Koch & Sello subsp. scandens
 72GR00114 I G squamiferum Poepp.
 73GR00138 G surinamense (Schott) Engl.
 74GR00659 S G verrucosum Mathieu ex Schott
- Pinellia**
 89BL00087 G pedatisecta Schott
 73BL00155 I G ternata (Thunb.) Breit.
 89BL00088 G ternata (Thunb.) Breit.
- Pistia**
 89GR00119 G stratiotes L.
- Sauromatum**
 92BL01037 G venosum (Ait.) Kunth
- Schismatoglottis**
 79GR00074 I N calytrata (Roxb.) Zoll. & Moritzi [Philippines]
- Scindapsus**
 68GR00915 I G pictus Hassk. 'Argyraeus'
- Spathicarpa**
 89GR00118 G sagittifolia Schott
- Spathiphyllum**
 70GR00135 G cannifolium (Dryand.) Schott
 69GR00214 I G floribundum (Lind. & Andre) N.E. Br.
 72GR00205 I G wallisii Regel
- Stenospermation**
 73GR00136 I G popayanense Schott
 79GR00240 I E ulei K. Krause [Guyana]
- Symplocarpus**
 71BL00168 E foetidus (L.) Nutt. [Canada]
- Synandropadix**
 88GR00112 I S vermitoxicus (Griseb.) Engl. [Bolivia]
- Syngonium**
 73GR00730 G angustatum Schott
 68GR00724 S G schottianum Wendl.
 72GR00055 I G vellozianum Schott
- Xanthosoma**
 73GR00413 E sagittifolium (L.) Schott [Suriname]

Araceae

84GR00071 S E striolatum Mart. ex Schott [JJDG 6580 French Guiana]

Zantedeschia

90GR00979 G elliottiana (Watson) Engler

Araliaceae

Aralia

90ZB00498 I K cachemirica Decne.

71RD00054 G californica S. Wats.

91ZS00654 G californica S. Wats.

62RD00210 G chinensis L.

74RD00029 G R cordata Thunb.

74RD00033 G R cordata Thunb.

62RD00805 I G elata (Miq.) Seem.

78RD00075 E hispida Vent. [Quebec]

78ZB00008 E racemosa L. [Michigan]

80RD00474 E spinosa L. [Maryland]

Eleutherococcus

78RD00488 G henryi Oliv.

71RD00056 G senticosus (Rupr. & Maxim. ex Maxim.) Maxim.

78RD00501 E senticosus (Rupr. & Maxim. ex Maxim.) Maxim. [Sakhalin]

81RD00040 G senticosus (Rupr. & Maxim. ex Maxim.) Maxim.

81RD00323 G senticosus (Rupr. & Maxim. ex Maxim.) Maxim.

70RD00041 I G sieboldianus (Mak.) Koidz.

Hedera

64RD00274 G colchica (K. Koch) K. Koch 'Sulphur Heart'

77RD00355 G colchica (K. Koch) K. Koch 'Sulphur Heart'

77RD00356 G helix L. 'Ahorn'

77RD00357 G helix L. 'Arborescens'

79RD00326 G helix L. 'Arborescens'

77RD00358 G helix L. 'Aureovariegata'

77RD00361 G helix L. 'Brokamp'

77RD00363 G helix L. 'Carolina Crinkle'

77RD00364 G helix L. 'Christian'

77RD00365 G helix L. 'Conglomerata'

77RD00366 G helix L. 'Deltoidea'

77RD00367 G helix L. 'Elegance'

77RD00368 G helix L. 'Emerald Globe'

68RD00033 I G helix L. 'Erecta'

77RD00369 G helix L. 'Erecta'

90RD01103 K helix L. 'Erecta'

77RD00370 G helix L. 'Eva'

77RD00371 G helix L. 'Friedrich Tobler'

77RD00373 G helix L. 'Glacier'

Araliaceae

91RD00932	K	helix L. 'Goldheart'
77RD00376	G	helix L. 'Good's Selfbranching'
77RD00377	G	helix L. 'Green Crown'
77RD00378	G	helix L. 'Green Feather'
77RD00379	G	helix L. 'Green Ripple'
77RD00380	G	helix L. 'Green Spear'
77RD00381	G	helix L. 'Harald'
78RD00774	G	helix L. subsp. helix
78RD00803	G	helix L. subsp. helix
91RD01006	K	helix L. subsp. helix
78RD00773	G	helix L. 'Hibernica'
77RD00382	G	helix L. 'Ideal'
77RD00383	G	helix L. 'Imp'
77RD00384	G	helix L. 'Irish Lace'
77RD00385	G	helix L. 'Itsy Bitsy'
77RD00386	G	helix L. 'Ivalace'
77RD00389	G	helix L. 'Koniger's Auslese'
77RD00392	G	helix L. 'Little Gem'
77RD00394	G	helix L. 'Luzzii'
77RD00395	G	helix L. 'Manda's Crested'
77RD00396	G	helix L. 'Margaret'
77RD00397	G	helix L. 'Miniature Needlepoint'
77RD00398	G	helix L. 'Modern Times'
77RD00399	G	helix L. 'Needlepoint'
77RD00400	G	helix L. 'Parsley Crested'
77RD00401	G	helix L. 'Peter'
77RD00402	G	helix L. 'Pin Oak'
77RD00405	G	helix L. 'Ralph'
77RD00406	G	helix L. 'Shamrock'
77RD00408	G	helix L. 'Spear Point'
77RD00409	G	helix L. 'Stuttgart'
77RD00410	G	helix L. 'Sylvanian'
77RD00413	G	helix L. 'Tomboy'
77RD00414	G	helix L. 'Trustee'
77RD00415	G	helix L. 'Walthamensis'
77RD00416	G	helix L. 'Weber's Californian'
77RD00417	G	helix L. 'Woodsii'
91RD00919	K	poetarum Bertol.
77RD00420	G	rhombea (Miq.) Bean
77RD00421	G	rhombea (Miq.) Bean 'Pierrot'

Polyscias

71GR00160 V G guilfoylei (Bull) L.H.Bailey 'Victoriae'

Pseudopanax

75GR00277 I G crassifolius (Soland. ex A.Cunn.) K.Koch
 75GR00278 I G crassifolius (Soland. ex A.Cunn.) K.Koch

Araliaceae

- 79GR00099 G **Schefflera**
actinophylla (Endl.) Harms

Araucariaceae

- 86GR01301 G **Agathis**
dammara (Lamb.) L.C. Rich.

- 89GR00060 G **Araucaria**
angustifolia (Bertol.) O. Kuntze
00ZG01102 G V araucana (Mol.) K. Koch
91RD00794 G V araucana (Mol.) K. Koch
91RD00797 G V araucana (Mol.) K. Koch

Arecaceae

- 90GR00421 G **Butia**
spec.

- 75GR00391 G **Caryota**
mitis Lour.

- 75GR00337 G **Chamaerops**
humilis L. var. humilis

- 77GR00229 G I **Chrysalidocarpus**
lutescens (Bory) H. Wendl.

- 76GR00074 G **Coccothrinax**
argentea (Lodd. ex Schultes) Sarg. ex Becc.
90GR00443 G borhidana
90GR00448 G yuruquamo

- 73GR00461 G **Cocos**
nucifera L. 'Nana'

- 76GR00602 G R **Howeia**
belmoreana (C. Moore & F. Muell.) Becc.
76GR00601 G R forsteriana (C. Moore & F. Muell.) Becc.

- 82GR00111 G **Hydriastele**
wendlandiana (F. Muell.) Wendl. & Drude

- 75GR00016 S E **Latania**
loddigesii Mart. [Mauritius]

Arecaceae

90GR00419	G	Livistona rotundifolia (Lam.) Mart.
75GR00015	G	Mascarena verschaffeltii (H.Wendl.) L.H.Bailey
90GR00420	G	verschaffeltii (H.Wendl.) L.H.Bailey
73GR00539	G	Phoenix canariensis hort. ex Chabaud
76GR00605	G I	rupicola T.Anders.
76GR00024	G	Rhapis humilis Bl.
75GR00381	G	Rhopalostylis sapida (Soland. ex G.Forst.) H.Wendl. & Drude
76GR00042	G	Sabal blackburniana Glazabr. ex Schult. & Schult.f.
88GR00002	G	Salacca spec.
73GR00548	G	Trachycarpus fortunei (W.J.Hook.) H.Wendl.
64GR00022	E	unknown species 'ARECAC' [SAB 13 <u>Suriname</u>]
68GR00931	E	species 'ARECAC' [<u>Ivory Coast</u>]
76GR00076	G	species 'ARECAC'

Aristolochiaceae

71ZS00057	I G	Aristolochia clematitis L.
91GR01636	G	littoralis Parodi
92GR00988	S	littoralis Parodi [<u>El Salvador</u>]
69RD00121	I G	macrophylla Lam.
61RD01465	I G	tomentosa Sims
66GR01565	V E	trilobata L. [JCL <u>Brazil</u>]

ASARUM

Introduction

Of the 70 species of *Asarum*, approximately 10% is in cultivation, although all species occur in the temperate zone of the N.Hemis-

Aristolochiaceae

phere (1 species in Europe). The majority of the N.American species are sometimes split off as *Hexastylis* (Gleason 1952; Boyce et al. 1988). This collection is still in an early phase of development.

Aims

- 1 Enlarging the collection of the genus in cultivation.
- 2 Scientific study of the genus.

Programme

Adding material from natural habitats esp. from Asia, to explore the potential of the less known species of both *Asarum* and *Hexastylis* as ground-cover plants (undergrowth in deeper shadow).

Location

Woodland Section at Fort Hoofddijk.

		Asarum	
85BL00189	K	asperum F.Maekawa	
79BL00048	E	canadense L. [Ontario]	
88BL00290	G	canadense L.	
65BL00275	I G	caudatum Lindl.	
90BL00524	G	caudatum Lindl.	
85BL00186	K	caulescens Maxim.	
65BL00216	I G	europaeum L.	
86BL00054	S	europaeum L. [W.Germany]	
84BL00174	G	hartwegii S.Wats.	
88BL00288	G	hartwegii S.Wats.	
86BL00533	E	heterotropoides Fr.Schmidt [Sakhalin]	
88BL00287	G	ibericum Steven ex Woronow	
84BL00308	G	macranthum J.D.Hook.	
86BL00141	G	macranthum J.D.Hook.	
88BL00289	G	macranthum J.D.Hook.	
85BL00184	K	nankaiense F.Maekawa	
87BL00002	N	perfectum (F.Maekawa) F.Maekawa [Japan]	
91BL00341	G	shuttleworthii Britten & E.G. Baker	
86BL00527	G	sieboldii Miq.	
90BL00084	G	sieboldii Miq.	
85BL00187	K	variegatum A.Braun & Bouche	

Hexastylis

76BL00028	G	virginica (L.) Small
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Asclepiadaceae

Asclepiadaceae

Asclepias

- 91GR01063 G curassavica L.
 91ZS00720 E incarnata L. [Quebec]
 91ZS00774 S speciosa Torr. [Br. Columbia incl. Charlotte Isl.]
 91ZS00833 G speciosa Torr.
 74ZS00023 I G syriaca L.

Ceropegia

- 80GR00228 G distincta N.E.Br. subsp. haygarthii (Schlechter) H.Huber
 77GR00104 I G R fusca Bolle

Dischidia

- 73GR00697 I G K bengalensis Colebr.
 92GR00573 G hirsuta Decne.
 76GR00248 G I rafflesiana Wall.
 73GR00717 U spec.
 75GR00120 U spec. [Phillippines]

Hoya

- 86GR00234 U aichboldiana
 92GR00152 U asclepiadea
 92GR00153 U asclepiadea
 92GR00158 U australis R.Br.
 89GR00073 G cumingiana
 90GR00440 G engleriana
 92GR00562 G engleriana
 86GR00236 U fungii
 86GR00235 U R macgillivrayi
 89GR00074 G meredithii
 86GR00073 U micrantha J.D. Hook.
 86GR00075 I U micrantha J.D. Hook.
 86GR00238 U obscura
 86GR00232 U parvifolia
 86GR00370 G spec.
 86GR01300 E spec. [R&FR Sumatra (Sumatra)]
 89GR00089 G spec.
 92GR00176 U spec.
 89GR00071 I G subquintuplinervis Miq.

Huernia

- 81GR00053 I G schneideriana Berger

Matelea

- 90GR00617 S maritima R.E. Woods. [Martinique]

Oxypetalum

- 91GR00570 G caeruleum (D. Don) Domin

Asclepiadaceae

- Periploca**
 70RD00077 I G graeca L.
 80RD00600 G graeca L.
 80RD00057 I G sepium Bunge
- Sarcostemma**
 80GR00226 E viminale (L.) R.Br. [Congo Kinshasa (Zaire)]
- Stephanotis**
 72GR00294 I G floribunda Brongn.
- Vincetoxicum**
 64BL00042 I E hirundinaria Medik. [KLIPH Switzerland]
 76ZS00025 I G hirundinaria Medik.
 91ZS01756 U hirundinaria Medik.
 91ZS00753 G nigrum (L.) Moench
 91ZS00775 G nigrum (L.) Moench
- unknown**
 75GR00341 E species 'ASCLEP' [Belize]
 80GR00141 E species 'ASCLEP' [V.RD. 74 Mexico]
- Aspidiaceae**
- Cyrtomium**
 68GR00488 I G falcatum (L.f.) K.B.Presl
 76GR00277 I G falcatum (L.f.) K.B.Presl
 68GR00487 I G fortunei J.Sm.
- Dryopteris**
 71BL00271 I G carthusiana (Vill.) H.P. Fuchs
 72BL00164 S dilatata (G.F. Hoffm.) A. Gray
 75BL00150 U erythrosora (Eat.) O. Kuntze
 69BL00284 I G filix-mas (L.) Schott
 79ZS00047 G filix-mas (L.) Schott
 91ZS01763 U filix-mas (L.) Schott
 88BL00165 G odontoloma (T. Moore) C. Chr.
 86GR00850 E spec. [H.- 6993-01 Costa Rica]
 84GR00393 U tokyoensis (Mak.) C. Chr.
- Fadyenia**
 68GR00513 I G prolifera W.J. Hook.
- Polystichum**
 79ZS00054 G aculeatum (L.) Roth
 88GR00082 G polyblepharum (Roem.) K.B.Presl
 84BL00503 S polyblepharum (Roem.)-K.B.Presl var. fibrilloso-paleaceum

Aspidiaceae

- 72BL00265 I G (Kodawa) Tagawa
setiferum (Forssk.) Woyнар

Tectaria

- 68GR00608 I G gemmifera (Fee) Alston
74GR00711 I G gemmifera (Fee) Alston
68GR00609 I G heracleifolia (Willd.) Underw.
86GR00562 E spec. [H.- 6692-A1 Costa Rica]

Aspleniaceae

Asplenium

- 68GR00449 G australasicum (J.Sm.) W.J.Hook.
76GR00274 I G bulbiferum G.Forst. var. bulbiferum
86GR01194 E cuspidatum Lam. var. triculum [H.- Costa Rica]
68GR00451 I G flaccidum G.Forst.
88BL00312 S incisum Thunb. [China]
73GR00427 I E marinum L. [France]
91BL00745 E onopteris L. [Spain]
72BL00161 E ruta-muraria L.
69BL00517 I G septentrionale (L.) G.F.Hoffm.
65BL00559 I E trichomanes L. emend. Huds. [Switzerland]
79BL00422 E trichomanes L. emend. Huds. [Austria]

Ceterach

- 92BL00753 G officinarum DC.

Phyllitis

- 69BL00283 I G scolopendrium (L.) Newm.
69BL00280 G scolopendrium (L.) Newm. 'Undulatum'

Asteraceae

Acanthospermum

- 91GR01156 G hispidum DC.

Achillea

- 84BL00182 G abrotanoides (Vis.) Vis.
92BL00747 G ageratifolia (Sibth. & Sm.) Boiss.
91BL00211 E clavennae L. [Austria]
91BL00849 S clypeolata Sibth. & Sm.
84BL00073 E erba-rotta All. subsp. moschata (Wulf.) I.B.K. Richards.
[Austria]
74ZB00006 G filipendulina Lam. 'Golden Plate'
79ZS00022 G grandifolia Friv.
83BL00425 G x kolbiana Suenderm.
91ZS01739 U millefolium L.

Asteraceae

- 91BL00266 E nana L. [Switzerland]
 91BL00549 E nana L. [Switzerland]
 67BL00147 I E odorata L.
 82BL00290 E pannonica Scheele [W.Germany]
 67BL00293 G tomentosa L.
 75BL00109 G tomentosa L.

Adenostyles

- 87BL00260 G alpina (L.) Bluff & Fingerh.
 65BL00274 I G alpina (L.) Bluff & Fingerh. subsp. alpina
 86BL00338 E glabra (Mill.) DC. [Austria]
 87BL00171 E glabra (Mill.) DC. [Switzerland]

Ageratum

- 92BL00068 I E conyzoides L. [WOLB 91-040 Sikkim]

Ajania

- 89BL00035 E gracilis (J.D. Hook. & Thoms.) Polj. ex Tzvelev [Tadzhiki-
 stan]

Ambrosia

- 92ZE00347 G artemisiifolia L.

Anacyclus

- 55ZE00679 I G radiatus Loisel.

Anaphalis

- 71ZS00079 I G margaritacea (L.) Benth. var. margaritacea
 92BL00048 E spec. [WOLB 91-016 Sikkim]
 92BL00050 E spec. [WOLB 91-018 Sikkim]
 92BL00057 E spec. [WOLB 91-026 Sikkim]
 87BL00522 E triplervis (Sims) C.B. Clarke var. intermedia (DC.) Airy
 Shaw [Pakistan]
 75BL00106 I G triplinervis (Sims) C.B. Clarke

Andryala

- 90BL01189 K agardhii Haenseler ex DC.

Antennaria

- 84BL00183 G albo-rosea A.E. Porsild ex M.P. Porsild
 87BL00263 G alpina (L.) Gaertn.
 88BL00196 E alpina (L.) Gaertn. [Finland]
 84BL00074 E carpatica (Wahlenb.) Bluff & Fingerh. [Austria]
 65BL00560 I E dioica (L.) Gaertn. var. dioica [Switzerland]
 65BL00648 G dioica (L.) Gaertn. var. dioica
 91ZS00237 E dioica (L.) Gaertn. var. dioica [Austria]
 91ZS00476 E dioica (L.) Gaertn. var. dioica [Norway]

Asteraceae

89BL00105	K	dioica (L.) Gaertn. 'Rosea'
91BL00608	S	friesiana (Trautv.) Ekman
83BL00269	E	neglecta E. Greene var. neglecta [Quebec]
91BL00330	G	nitida E. Greene
69BL00081	E	parvifolia Nutt. [California]
69BL00327	G	plantaginifolia (L.) W.J. Hook.
67BL00083	G	rosea E. Greene

Anthemis

90BL00850	G	carpatica Waldst. & Kit. ex Willd.
87BL00357	E	cretica L. subsp. cretica [France]
90BL00828	G	marschalliana Willd.
71BL00360	I G K	punctata Vahl subsp. cupaniana (Tod. ex Nyman) Ros. Fernandes
92BL00824	E	spec. [Turkey (Asia Minor)]

Arctium

53ZE00973	I G	tomentosum Mill.
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Argyranthemum

92GR01069	G	frutescens (L.) Schultz-Bip.
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Arnica

62BL00303	I G	amplexicaulis Nutt.
84BL00413	G	angustifolia Vahl
71ZS00078	I G	chamissonis Less.
92BL00365	S	chamissonis Less.
91BL00418	E	chamissonis Less. subsp. foliosa (Nutt.) Maguire [France]
84BL00342	G	lessingii E. Greene
67BL00064	I G	longifolia D.C. Eaton
87BL00058	E	montana L.
87BL00166	E	montana L. [E. Germany]
91ZS01751	U	montana L.

Artemisia

71BL00404	G	abrotanum L.
71ZS00087	I G	absinthium L.
91ZE00563	G	annua L.
91ZE00839	G	annua L.
91ZE00975	E	annua L. [Italy]
72BL00249	G	armeniaca Lam.
66BL00187	I G R	atrata Lam.
81BL00163	I E	chamaemelifolia Vill. var. chamaemelifolia [France]
73ZS00068	G	dracunculus L.
91BL00267	E	genipi G.H. Weber [Switzerland]
87BL00329	E	glacialis L. [Italy]
69BL00176	G R	nitida Bertol.

Asteraceae

- 81BL00192 E umbelliformis Lam. [Austria]
 71BL00180 G vallesiaca All.
 71ZS00089 I G vulgaris L.

Aster

- 62BL00274 E alpinus L.
 81BL00143 S alpinus L. [Switzerland]
 74ZS00027 I G divaricatus L.
 83BL00426 G dumosus L. 'Oktober Schneekupfel'
 70ZS00014 G 'Herbstgruss Vom Bresserhof'
 71BL00182 I G 'Herbstgruss Vom Bresserhof'
 66BL00149 G himalaicus C.B.Clarke
 75ZS00022 I G lateriflorus (L.) Britt. var. horizontalis Burg.
 66BL00321 I G linoxyris (L.) Bernh.
 74ZB00003 G novi-belgii L. 'Royal Ruby'
 66BL00162 I G porteri A.Gray
 66BL00023 G E pyrenaicus Desf. ex DC.
 72ZS00064 I G sedifolius L.
 81BL00082 S tongolensis Franch. [H.S.M. 137 China]
 74ZB00004 G tongolensis Franch. 'Wartburgstern'

Bidens

- 59ZE00802 I G pilosa L.
 92BL00067 E tripartita L. [WOLB 91-038 Sikkim]

Buphthalmum

- 88BL00148 S salicifolium L. [W.Germany]
 88BL00280 E salicifolium L. [France]
 88BL00455 E salicifolium L. [Austria]

Calendula

- 84ZE02519 E arvensis L. [France]
 53ZE00829 I G officinalis L.
 91ZE01590 G officinalis L.

Carduus

- 78BL00092 I E defloratus L. subsp. glaucus Nyman [Austria]
 88BL00327 I E defloratus L. subsp. glaucus Nyman [N France]

Carlina

- 91BL00313 E acaulis L. subsp. acaulis [E.Germany]
 91BL00314 E acaulis L. subsp. acaulis [E.Germany]

Celmisia

- 92BL00863 G allanii W. martin
 92BL00861 G angustifolia Cock.

Asteraceae

		Centaurea	
92BL00873	G	achtarovii Urum.	
91ZE01588	G	cyaneus L.	
75BL00040	G	hypoleuca DC.	
92ZS00154	E	jacea L. s.l. [E.Germany]	
92ZS00230	E	jacea L. s.l. [Norway]	
72BL00150	G	macrocephala Puschk. ex Willd.	
65BL00591	I G	montana L.	
89BL00148	G	montana L.	
91ZS01757	U	montana L.	
62BL00039	I E	nigra L. subsp. nigra [Alps]	
88BL00189	G	phrygia L.	
88BL00197	E	phrygia L. [Finland]	
90BL00014	G	phrygia subsp. pseudophrygia	
90BL00292	E	phrygia subsp. pseudophrygia [W.Germany]	
89BL00135	U	pulchra DC. 'Major'	
91ZS00459	E	scabiosa L. [E.Germany]	
91ZS00510	E	scabiosa L. [Norway]	
91BL01272	E	serotina Bor. [W.Germany]	
87BL00580	G	simplicicaulis Boiss. & Huet	
90BL01221	G	spec.	
90BL00125	G	triumfettii subsp. lugdunensis	
90BL00096	G	triumfetti	
75BL00018	I E	uniflora Turra subsp. nervosa (Willd.) Bonnier & Layens [Alps]	
		Chamaemelum	
90BL00506	G	nobile (L.) All.	
		Chaptalia	
88GR00053	E	ignota Burkart [Argentina]	
		Chondrilla	
62BL00217	G	preanthoides (Scop.) Vill.	
		Chromolaena	
91GR01157	G	odorata (L.) King & Robins.	
		Chrysanthemum	
69BL00410	I G	arcticum L.	
69BL00190	G	weyrichii (Maxim.) Miyabe	
		Chrysogonum	
71BL00367	I G	virginianum L.	
		Cicerbita	
65BL00182	I G	plumieri (L.) Kirschl.	

Asteraceae

		Cichorium	
90ZS00533	E	intybus L. [E.Germany]	
91ZS00662	E	intybus L. [Poland]	
		Cirsium	
87BL00181	E	acaule Scop. [France]	
87BL00359	E	acaule Scop. [France]	
87BL00581	E	acaule Scop. [Denmark]	
88BL00299	E	acaule Scop. [France]	
91BL00212	E R	eriphorum (L.) Scop. [Austria]	
91BL00413	E R	eriphorum (L.) Scop. [France]	
89BL00136	U	erisithales (Jacq.) Scop.	
86BL00468	E	helenioides (L.) Hill [Poland]	
86BL00571	E	helenioides (L.) Hill [European Russia]	
69BL00432	I G	oleraceum (L.) Scop.	
88BL00024	I E	oleraceum (L.) Scop. [E.Germany]	
77BL00245	I E	yezoense (Maxim.) Mak. [Sweden]	
		Cladanthus	
71ZE01422	I G	arabicus (L.) Cass.	
		Cnicus	
71ZE00814	I G	benedictus L.	
		Cotula	
90BL01219	G	atrata J.D. Hook.	
92BL00852	G	atrata J.D. Hook.	
75BL00148	G E	dioica (J.D.Hook.) J.D.Hook.	
90BL00709	I K	hispida (DC.) Harvey	
71BL00368	G	potentillina (F. Muell.) Druce	
65BL00248	I G	squalida (J.D.Hook.) J.D.Hook.	
		Cremanthodium	
88BL00167	G E	arnicoides (Wall.) R.Good	
		Crepis	
77BL00155	I E	alpestris (Jacq.) Tausch [Czechoslovakia]	
66BL00005	I G R	aurea (L.) Cass.	
82BL00104	E	conyzifolia (Gouan) Dalla Torre [Austria]	
76BL00062	E	pygmaea L. [Switzerland]	
78BL00193	E	pyrenaica (L.) Greuter [Switzerland]	
		Cynara	
88ZS00046	G	cardunculus L.	
91ZS01167	G	scolymus L.	

Asteraceae

- Dahlia**
 84ZS00025 E pinnata Cav. [Mexico]
- Dendranthema**
 84BL00532 G naktongense (Nakai) Tzvelev
- Dimorphotheca**
 83ZE00314 I G pluvialis (L.) Moench var. pluvialis
- Doronicum**
 76BL00027 I G austriacum Jacq.
 91BL00269 E clusii (All.) Tausch [Switzerland]
 91BL00596 E clusii (All.) Tausch [Italy]
 70BL00100 I G columnae Ten.
 66BL00424 G orientale Hoffm.
 87BL00079 S pardalianches L.
 87BL00101 G pardalianches L.
- Dracopis**
 69ZE00316 I G amplexicaulis (L.) Cass. ex Lessing
- Echinacea**
 92ZS00147 E purpurea (L.) Moench [Arkansas]
 92ZS00325 E purpurea (L.) Moench [Ontario]
- Echinops**
 71ZS00080 I G bannaticus Roch. ex Schrad.
 91BL01353 G bannaticus Roch. ex Schrad.
 85BL00181 G exaltatus Schrad.
- Erigeron**
 91BL00270 E alpinus L. [Switzerland]
 91BL00404 S alpinus L.
 91BL00405 S alpinus L. subsp. intermedius (Schleich.) Pawl.
 82BL00021 G aurantiacus Regel
 82BL00024 G aurantiacus Regel
 92BL00274 E borealis (Vierh.) Simmons [Norway]
 91BL00260 E foliosus [United States (excl. Alaska)]
 77BL00021 I S gaudinii Bruegg. [France]
 72ZS00067 I G glabellus Nutt.
 84BL00010 I G karvinskianus DC.
 92BL00903 G montanus
 91BL01133 S pumilus Nutt. var. gracilior Cronq. [Oregon]
 91BL00863 K simplex Greene
 88BL00181 E uniflorus L. [Norway]
 89BL00045 E uniflorus L. [Norway]

Asteraceae

- Eriophyllum**
65BL00259 I G lanatum (Pursh) Forb. var. lanatum
- Eupatorium**
91ZS00462 I E cannabinum L. [E.Germany]
91ZS00814 E cannabinum L. [E.Germany]
83ZS00006 I E rugosum Houtt. [Quebec]
- Ewartia**
84BL00476 G nubigena (F. Muell.) Beauverd
92BL00787 K nubigena (F. Muell.) Beauverd
- Gazania**
91ZE00140 K cv.
- Gerbera**
89GR00049 S spec. [Reunion]
- Gnaphalium**
76BL00067 I E sylvaticum L. [Czechoslovakia]
88BL00182 E sylvaticum L. [Norway]
- Guizotia**
68ZE02504 I G abyssinica (L.f.) Cass.
- Gynura**
72GR00250 I G bicolor DC.
- Haplopappus**
91BL00255 E acaulis (Nutt.) A. Gray [Wyoming]
82BL00214 E lyallii A. Gray [Br. Columbia incl. Charlotte Isl.]
89BL00142 I K riderii
- Helenium**
72ZS00069 I G autumnale L.
- Helianthus**
79ZE00324 I G O annuus L.
76ZS00022 G tuberosus L.
- Helichrysum**
92BL00360 S arenarium (L.) Moench
92BL00874 G corsicum
90BL01046 U milfordiae Killick
84BL00099 E spec. [Victoria]
91BL01116 G thianshanicum Regel

Asteraceae

- Heliopsis**
 74ZB00012 G helianthoides (L.) Sweet var. scabra (Dun.) Fern. 'Gold Ranunkel'
- Hieracium**
 87BL00142 E alpinum L. [Norway]
 91ZS01911 U amplexicaule L.
 65BL00236 I G aurantiacum L.
 91BL00364 E aurantiacum L. [E.Germany]
 66BL00152 G bombycinum Boiss. & Reut. ex Fries
 91ZS01897 U maculatum J.E. Smith
 67BL00286 G pannosum Boiss.
 84BL00537 G spec.
- Homogyne**
 84BL00266 E sylvestris (Scop.) Cass. [Austria]
- Hymenoxys**
 83BL00039 E grandiflora (Torr. & A.Gray ex A.Gray) Parker [Wyoming]
- Hypochoeris**
 88BL00023 E uniflora Vill. [Austria]
- Inula**
 77BL00292 I E ensifolia L. [CYT 1733 Yugoslavia]
 73BL00074 I S ensifolia L. 'Compacta'
 73ZS00003 I G helenium L.
 81BL00215 E oculus-christi L. [Tauris Crimea]
 89BL00039 E rhizocephala Schrenk [Tadzhikistan]
- Jurinea**
 91BL00477 E humilis (Desf.) DC. [Morocco]
 91BL00478 E humilis (Desf.) DC. [Morocco]
- Lactuca**
 84BL00149 I E R perennis L. [Belgium]
 91ZE00641 G saligna L.
- Leontopodium**
 65BL00167 E alpinum Cass. subsp. alpinum
 82BL00196 E alpinum Cass. subsp. alpinum [Italy]
 92BL00809 G alpinum Cass. subsp. nivale (Ten.) Tutin
 92BL00862 G alpinum Cass. subsp. nivale (Ten.) Tutin
 89BL00034 E ochroleucum Beauverd [Tadzhikistan]
 67BL00105 E souliei Beauverd
 65BL00310 G wilsonii Beauverd
 92BL00746 G wilsonii Beauverd

Asteraceae

91ZS01582	E	Leucanthemum vulgare Lam. [Utrecht]
		Liatris
88BL00248	G	punctata W.J. Hook.
88ZS00034	G	scariosa (L.) Willd.
		Ligularia
71ZS00091	I G	dentata (A.Gray) Hara
71ZS00094	I G	przewalskii (Maxim.) Diels
71ZS00084	I G	veitchiana (Hemsl.) Greenm.
		Lindheimera
84ZE02164	G	texana A.Gray & Engelm.
		Matricaria
72ZE02177	I G	recutita L.
		Microglossa
71RD00159	I G	albescens (DC.) C.B.Clarke
		Mutisia
91GR01537	G	coccinea St.-Hil.
		Mycelis
75BL00203	I G	muralis (L.) Dumort.
		Nothocalais
91BL00419	G	cuspidata (Pursh) E. Greene
		Onopordum
53ZE00972	I G	acanthium L.
		Ostospermum
86RD00330	G	ecklonis (DC.) Norl.
		Osteospermum
56ZE02384	I G	vallantii (Decne.) Norl.
		Peresia
85BL00241	G	recurvata
		Petasites
68BL00131	I E	frigidus (L.) Fries [Canada]
		Ptilostemon
91BL00409	S	afer (Jacq.) Greuter subsp. afer

Asteraceae

- Raoulia**
 90BL00977 K australis J.D.Hook.
 78BL00425 I G subsericea J.D.Hook.

- Ratibida**
 75ZS00026 I G pinnata (Vent.) Barnh.

- Rudbeckia**
 72ZS00068 I G fulgida Ait. var. speciosa (Wender) Perdue
 74BR00014 G fulgida Ait. var. sullivantii (Boynton & Beadle) Cronq.
 'Goldsturm'
 84ZE02513 K hirta L. var. hirta

- Santolina**
 80ZS00104 I G chamaecyparissus L. subsp. tomentosa (Pers.) Arcang.

- Sanvitalia**
 90ZE00538 I E procumbens Lam. [Mexico (state)]

- Saussurea**
 72BL00042 I G albescens J.D.Hook. & Thoms.
 91BL00213 E alpina (L.) DC. [Austria]
 83BL00326 E calcicola Nakai [S.Korea]
 91BL00214 E discolor (Willd.) DC. [Austria]
 91BL00607 E discolor (Willd.) DC. [Italy]
 88BL00407 G grandifolia

- Senecio**
 91BL01092 E adonidifolius Loisel. [France]
 73GR00636 I G articulatus (L.f.) Schultz Bip.
 71ZS00082 I G doria L.
 76GR00218 I G fulgens (J.D.Hook.) Nichols.
 92ZS00310 G inaequidens DC. [W.Germany]
 92ZS00521 E inaequidens DC. [Belgium]
 92ZS00522 E inaequidens DC. [Belgium]
 83BL00060 E incanus L. subsp. incanus [Switzerland]
 73GR00638 I G junceus Harv.
 71GR00121 I G kleiniiformis Suesseng.
 91BL01093 E leucophyllus DC. [France]
 76GR00221 G K navicularis Humbert
 72GR00218 I G radicans (L.f.) Schultz Bip.
 76GR00541 I G rowleyanus Jacobs.
 91GR00675 G spec.
 91GR01702 E spec. [Santo Domingo]
 72GR00097 I G spiculosus (Sheph.) G.D.Rowl.
 79ZE00350 E vulgaris L. [W.Germany]

Asteraceae

- Serratula**
 89BL00144 K sedanei Willk.
 71ZS00090 I G tinctoria L.
- Silphium**
 75ZS00023 I E integrifolium Michx. [N.America]
 72ZS00070 I G perfoliatum L.
- Silybum**
 53ZE00682 I G marianum (L.) Gaertn.
- Solidago**
 73BL00158 G 'Cloth of Gold'
 89BL00056 S virgaurea L. [Poland]
 91BL00215 E virgaurea L. subsp. alpestris (Waldst. & Kit.) Gaud. [Austria]
 88BL00408 E virgaurea L. var. asiatica Nakai [Cheju Do (Quelapaert Isl.)]
 81BL00152 I S virgaurea L. subsp. minuta (L.) Arcang. [Switzerland]
 90BL00049 E virgaurea L. subsp. minuta (L.) Arcang. [Switzerland]
 79ZS00042 G virgaurea L. subsp. virgaurea
 90BL00036 E virgaurea L. subsp. virgaurea [Finland]
- Spilanthes**
 83ZE00332 G oleracea L.
- Stokesia**
 75BL00188 G laevis (Hill) E. Greene 'Blue Star'
- Tanacetum**
 69BL00248 G argenteum Willd. subsp. argenteum
 77BL00087 I E corymbosum (L.) Schultz Bip. subsp. corybosum [W.Germany]
 90BL01062 G R haradjanii (Rech. f.) Grierson
 92BL00032 E spec. [JJH 918457 Tadjhikistan]
 72ZS00019 I E vulgare L. [Finland]
- Telekia**
 67BL00275 I G speciosa (Schreb.) Baumg.
 71ZS00081 I G speciosa (Schreb.) Baumg.
 91BL01352 G speciosa (Schreb.) Baumg.
 92BL00033 E speciosa (Schreb.) Baumg. [JJH 916058 Rumania]
- Tetraneuris**
 69BL00160 I G scaposa (DC.) E. Greene
 92BL00754 G scaposa (DC.) E. Greene

Asteraceae

- Townsendia**
 92BL00092 E exscapa (Richards.) Porter [Arizona]
 91BL00316 G grandiflora Nutt.
 90BL00851 G rothrockii A. Gray ex Rothrock
 92BL00890 G spec.

- Verbesina**
 71ZS00088 I G alternifolia (L.) Britt.

- Vernonia**
 75ZB00011 I E altissima Nutt. [A Kentucky]
 75ZS00048 I G fasciculata Michx.

- unknown**
 83BL00455 E species 'ASTERA' [N 8337 Switzerland]
 83BL00456 E species 'ASTERA' [N 8334 Switzerland]
 89BL00015 E species 'ASTERA' [WOLB 88-014 Nepal]
 89BL00019 E species 'ASTERA' [WOLB 88-022 Nepal]
 92BL00042 E species 'ASTERA' [WOLB 91-009 Sikkim]

Athyriaceae

- Arthropteris**
 90GR00445 G orientalis

- Athyrium**
 69BL00282 I G filix-femina (L.) Roth
 79ZS00056 G filix-femina (L.) Roth
 92BL00631 G filix-femina (L.) Roth 'Minutissima'

- Cystopteris**
 72BL00066 E fragilis (L.) Bernh.
 90BL00028 E montana [Norway]

- Diplasium**
 68GR00455 I G australe (R.Br.) Wakef.
 84GR00114 E australe (R.Br.) Wakef. [VELDH. 006 Spain]
 90BL00035 E sibiricum [Finland]

- Gymnocarpium**
 72BL00067 S dryopteris (L.) Newm.
 72BL00068 E robertianum (Hoffm.) Newm.

- Matteuccia**
 65BL00254 I G struthiopteris (L.) Tod.
 69BL00276 I G struthiopteris (L.) Tod.
 79ZS00050 G struthiopteris (L.) Tod.

Athyriaceae

84BL00506 G **Matteucia**
orientalis (Hook.) Trev.

65BL00279 I G **Onoclea**
sensibilis L.

69BL00515 I G **Woodsia**
ilvensis (L.) R.Br.

Balsaminaceae

60ZE02136 I G **Impatiens**
balsamina L.
63ZE00837 I G glandulifera Royle
71GR00106 I G hians J.D.Hook.
83GR00294 G niamniamensis Gilg emend. G.M.Schulze
73ZE00801 I G scabrida DC.
89ZE00027 K walleriana J.D.Hook. cv.

Basellaceae

77GR00116 I G **Anredera**
cordifolia (Ten.) Steenis

91ZE00665 I G **Basella**
alba L.

91GR00746 S **Ullucus**
tuberosus Caldas [Ecuador]

Begoniaceae

91ZE00125 K **Begonia**
(Semperflorens-hybr.) cv.
91GR00127 G x bertinii Moser
92GR00279 G grandis Dryand. var. evansiana (Andr.) Irmsch.
92GR00308 G grandis Dryand. var. evansiana (Andr.) Irmsch.
79GR00230 I E guaduensis H.B.K. [MAAS 3877 Guyana]
85GR00244 K partita Irmsch.
88GR00127 E retusa Schulz [LUKK. Saba]
88GR00203 E spec. [FEUIL 10206 French Guiana]
92GR00066 E spec. [WOLB 91-037 Sikkim]

Berberidaceae

78RD00807 G **Berberis**
(Candidula-hybr.) 'Dart's Joke'

Berberidaceae

79RD00335	G	(Candidula-hybr.) 'Dart's Joke'
78RD00808	G	(Candidula-hybr.) 'Gracilis'
78RD00810	G	(Candidula-hybr.) 'Jytte'
74RD00146	G	(Gagnepainii-hybr.) 'Chenault'
78RD00821	G	(Gagnepainii-hybr.) 'Chenault'
78RD00822	G	(Gagnepainii-hybr.) 'Chenault Compact'
78RD00823	G	(Gagnepainii-hybr.) 'Genty'
78RD00978	G	(Gagnepainii-hybr.) 'Hilde'
78RD00817	G	(Gagnepainii-hybr.) 'Robin Hood'
78RD00818	G	(Gagnepainii-hybr.) 'Rusthof'
78RD00825	G	(Gagnepainii-hybr.) 'Select'
78RD00826	G	(Gagnepainii-hybr.) 'Terra Nova'
78RD00827	G	(Gagnepainii-hybr.) 'Tottenham'
78RD00835	G	(Koreana-hybr.) 'Red Tears'
60RD00361	G	acuminata Franch.
72RD00021	G	aggregata Schneid. var. aggregata
78RD00804	G	aggregata Schneid. var. aggregata
00ZG01718	G	'Bunch of Grapes'
78RD00806	G	candidula (Schneid.) Schneid.
62RD00363	G	diaphana Maxim.
82RD00142	E	dictyophylla Franch. var. dictyophylla [Sichuan]
78RD00811	G	x frikartii Schneid. ex Van De Laar 'Amstelveen'
78RD00812	G	x frikartii Schneid. ex Van De Laar 'Mrs.Kennedy'
78RD00813	G	x frikartii Schneid. ex Van De Laar 'Telstar'
78RD00814	G	x frikartii Schneid. ex Van De Laar 'Verrucandi'
78RD00816	G	gagnepainii Schneid. var. lanceifolia Ahrendt
62RD00134	G	gilgiana Fedde
00ZG01717	G	x gladwynensis
78RD00819	G	x gladwynensis
78RD00820	G	hookeri Lem. var. hookeri
88RD00261	E	iliensis Popov [VDL 80577 Sichuan]
74RD00157	G	x interposita Ahrendt 'Wallich's Purple'
78RD00975	G	x interposita Ahrendt 'Wallich's Purple'
60RD00349	I G	julianae Schneid.
64RD00107	I G	julianae Schneid.
74RD00158	G	julianae Schneid.
78RD00829	G	julianae Schneid.
78RD00830	G	julianae Schneid. 'Dart's Diamond'
78RD00831	G	julianae Schneid. 'Dart's Superb'
78RD00832	G	julianae Schneid. 'Lombarts Red'
82RD00221	E	koreana Palib. [S.Korea]
78RD00836	G	x lologensis Sandw.
78RD00837	G	x lologensis Sandw. 'Apricot Queen'
78RD00838	G	manipurana Ahrendt
78RD00839	G	x media Grootend. 'Parkjuweel'
78RD00840	G	x mentorensis L.M.Ames 'Charming Prince'
64RD00119	G	minutiflora Schneid.

Berberidaceae

78RD00841	G	x ottawensis	Schneid. 'Decora'
78RD00842	G	x ottawensis	Schneid. 'Forescate'
00ZG01722	G	x ottawensis	Schneid. 'Golden Ring'
00ZG01701	G	x ottawensis	Schneid. 'Green Ornament'
78RD00843	G	x ottawensis	Schneid. 'Superba'
78RD00844	G	x ottawensis	Schneid. 'Suzanne'
64RD00120	G	parisepala	Ahrendt
78RD00845	G	pruinosa	Franch.
78RD00980	G	x rubrostilla	Chitt. 'Aurora'
74RD00165	G	x rubrostilla	Chitt. 'Autumn Cheer'
74RD00167	G	x rubrostilla	Chitt. 'Barbarossa'
78RD00846	G	x rubrostilla	Chitt. 'Cherry Ripe'
78RD00847	G	x rubrostilla	Chitt. 'Fireflame'
74RD00168	G	x rubrostilla	Chitt. 'Pirate King'
78RD00848	G	x rubrostilla	Chitt. 'Pirate King'
78RD00849	G	x rubrostilla	Chitt. 'Sibbertoft Coral'
74RD00170	G	x rubrostilla	Chitt. 'Unique'
78RD00850	G	x rubrostilla	Chitt. 'Wisley'
00ZG01702	G	sanguinea	Franch.
89RD00008	E	spec. [WOLB 88007	<u>Nepal</u>]
89RD00011	E	spec. [WOLB 88010	<u>Nepal</u>]
78RD00852	G	x stenophylla	Lindl. 'Autumnalis'
78RD00854	G	x stenophylla	Lindl. 'Gracilis'
61RD00098	I G	x stenophylla	Lindl. 'Handworth'
78RD00857	G	suberecta	Ahrendt
74RD00142	G	thunbergii	DC.
78RD00858	G	thunbergii	DC.
78RD00859	G	thunbergii	DC. 'Atropurpurea'
91RD01583	G	thunbergii	DC. 'Atropurpurea'
78RD00861	G	thunbergii	DC. 'Bagatelle'
78RD00862	G	thunbergii	DC. 'Brouwers Green'
78RD00863	G	thunbergii	DC. 'Electra'
78RD00864	G	thunbergii	DC. 'Erecta'
78RD00865	G	thunbergii	DC. 'Green Carpet'
78RD00866	G	thunbergii	DC. 'Green Ornament'
78RD00867	G	thunbergii	DC. 'Harlequin'
78RD00868	G	thunbergii	DC. 'Helmond Pillar'
78RD00869	G	thunbergii	DC. 'Kelleriis'
74RD00152	G	thunbergii	DC. 'Kobold'
74RD00169	G	thunbergii	DC. 'Red Chief'
78RD00871	G	thunbergii	DC. 'Red Chief'
78RD00872	G	thunbergii	DC. 'Red Pillar'
78RD00873	G	thunbergii	DC. 'Red Wonder'
78RD00874	G	thunbergii	DC. 'Rose Glow'
78RD00875	G	thunbergii	DC. 'Vermilion'
61RD01556	G	vernae	Schneid.
00ZG00884	G	verruculosa	Hemsl. & Wils.

Berberidaceae

00ZG01039	G	verruculosa Hemsl. & Wils.
78RD00876	G	verruculosa Hemsl. & Wils.
78RD00877	G	verruculosa Hemsl. & Wils. 'Dart's Improvement'
74RD00163	G	vulgaris L.
79RD00019	E	vulgaris L. [Switzerland]
92RD00255	E	vulgaris L. [Norway]
78RD00977	G	wilsoniae Hemsl. & Wils. 'Graciella'
78RD00879	G	wilsoniae Hemsl. & Wils. 'Henriette'
78RD00979	G	wilsoniae Hemsl. & Wils. 'Marianne'

Caulophyllum

78BL00375	E	thalictroides (L.) Michx. [Wyoming]
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Epimedium

69BL00199	I G	alpinum L.
86BL00582	I K	alpinum L.
86BL00583	I K	x cantabrigiense Stearn
86BL00584	I K R	grandiflorum C.Morr.
86BL00585	I K	grandiflorum C.Morr. 'Rose Queen'
75BL00118	G I	pinnatum Fisch. subsp. colchicum Boiss.
86BL00590	I K	x rubrum C.Morr.
66BL00119	I G	x versicolor C.Morr.
73ZS00046	I G	x versicolor C.Morr.
73ZS00047	I G	x versicolor C. Morr. 'Sulphureum'
86BL00593	I K	x warleyense hort. 'Ellen Willmott'
86BL00597	I K	x youngianum Fisch. & Mey. 'Roseum'

Jeffersonia

84BL00513	G	diphylla (L.) Pers.
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Leontice

75BL00073	E	ewersmannii Bunge [Iran]
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x Mahoberberis

73RD00022	G	miethkeana Melander & Eada
74RD00280	G	miethkeana Melander & Eada

Mahonia

66RD00043	E	aquifolium (Pursh) Nutt.
79RD00368	G	aquifolium (Pursh) Nutt. 'Apollo'
79RD00369	G	aquifolium (Pursh) Nutt. 'Atropurpurea'
71RD00158	I G	japonica (Thunb. ex Murr.) DC.
91RD00930	K	x media C. Brickell 'Charity'
61RD00557	G I	nervosa (Pursh) Nutt.
79RD00122	E I	nervosa (Pursh) Nutt. [Washington]
80RD00047	E I	nervosa (Pursh) Nutt. [Br. Columbia incl. Charlotte Isl.]
80RD00187	E I	nervosa (Pursh) Nutt. [Washington]

Berberidaceae

- 65RD00230 E repens (Lindl.) G.Don
 79RD00108 E repens (Lindl.) G.Don [Montana]
 79RD00370 G x wagneri (Jouin) Rehd. 'Vicaryi'

Nandina

- 74GR00762 I G domestica Thunb.

Plagiorhegma

- 66BL00048 I G dubium Maxim.

Podophyllum

- 72ZS00058 G hexandrum Royle var. chinense (Sprague)
 66BL00012 I G hexandrum Royle var. hexandrum
 72ZS00059 G peltatum L.
 88BL00141 G peltatum L.
 88BL00249 G versipelle Hance

Ranzania

- 86BL00412 K I japonica (T.Ito) T.Ito

Vancouveria

- 64BL00378 I G hexandra (W.J.Hook.) C.Morr. & Decne.
 86BL00598 I K hexandra (W.J.Hook.) C.Morr. & Decne.

BETULACEAE

Introduction

The survey of *Betulaceae* concerns 5 genera, *Alnus* (30 species), *Betula* (ca. 40 species), *Carpinus* (ca. 25 species), *Corylus* (15 species), and *Ostrya* (10 species). The suitability of the species of these genera for commercial cultivation has only partly been studied in depth, which holds true especially for the genus *Betula*, the birch. Hybridization is one of the largest problems within this genus. It occurs regularly in nature with the result that the species circumscription is often not clear. A number of complex species groups can be divided, however. Frequent hybridization also occurs in collections. The plant exchange between the Gardens has been the cause of the lack of reliability of the birch collections in most of the gardens, not only for species purity but also for correct nomenclature. Birches have always been a striking element in the collection at the Von Gimborn Arboretum.

Aims

Betulaceae

- 1 Establishment of a collection of the entire family with as many species as possible.
- 2 Large scale introduction of *Betula* species from various habitats, in order to cover the genetic diversity, resulting in a reference collection.
- 3 Taxonomic studies to acquire more insight in the various species complexes and their geographical distribution.
- 4 Reservation of sites for the establishment of the living gene-bank function for *Betula*.

Programme

Especially where *Betula* species are concerned, the introduced material is tested as much as possible in the nursery as to its hardiness and night-frosts susceptibility.

Study of herbarium collections of *Betula* to become acquainted with especially the species complexes remains necessary.

Valuable introductions will principally be kept together and later planted as a group in the arboretum. Only vegetative material is collected for duplication (gene-bank function).

Selections and subsequent judging will be made in the phase where the introductions have reached the age that the development of the bark colour can be clearly assessed.

Note: One of the recent results in the study concerning *Betula* is that what is commonly called *Betula costata* in collections, in fact turned out not to be the true *Betula costata*, but a cultivated clone. The Von Gimborn Arboretum houses some true specimens of *Betula costata*. The misidentified specimens in other collections have been named *Betula ermanii* 'Blush' (see photograph in colour section). The name "Blush", according to Dr. P.C. de Jong (Jong, 1986b), not only refers to the colour, the bark takes on in later years, but also to the blush on the cheeks of most dendrologists, himself included, for not noticing this mistake for so long.

Location: The *Betulaceae* collection is present at the Von Gimborn Arboretum.

Cooperation

Technical testing for cultivation suitability: R. Bulk (Boskoop); Fa.

Betulaceae

C. Esveld (Boskoop); N.A.K.-B. (Zeewolde).

Collections elsewhere: Royal Botanic Gardens Kew and Wakehurst Place, Ardingly (both G.B.).

Publications

Jong 1981; 1982; 1985b; 1986b; 1986c; 1986d; 1991b.

Betulaceae

Alnus

- | | | |
|-----------|-----|---------------------------------------------------------------------------------------|
| 72RD00020 | G | cordata (Loisel.) Desf. |
| 74RD00053 | G | cordata (Loisel.) Desf. |
| 78RD00142 | G | firma Sieb. & Zucc. var. firma |
| 79RD00113 | G | firma Sieb. & Zucc. var. firma |
| 85RD00162 | G | firma Sieb. & Zucc. var. firma |
| 85RD00305 | E | firma Sieb. & Zucc. var. firma [Japan] |
| 88RD00178 | G | firma Sieb. & Zucc. var. firma |
| 89RD00034 | E | firma Sieb. & Zucc. var. hirtella Franch. & Sav. [Japan] |
| 80RD00208 | I G | firma Sieb. & Zucc. var. multinervis Regel |
| 61RD01512 | G | glutinosa (L.) Gaertn. subsp. barbata (C.A. Mey.) Yalt. |
| 79RD00418 | I G | glutinosa (L.) Gaertn. subsp. barbata (C.A. Mey.) Yalt. |
| 90RD00259 | E | glutinosa (L.) Gaertn. subsp. barbata (C.A. Mey.) Yalt.
[WIJN Turkey (Asia Minor)] |
| 74RD00343 | I G | glutinosa (L.) Gaertn. var. glutinosa |
| 88RD00203 | E | glutinosa (L.) Gaertn. var. glutinosa [Turkey (Asia Minor)] |
| 79RD00447 | G | glutinosa (L.) Gaertn. 'Imperialis' |
| 88RD00266 | I K | glutinosa (L.) Gaertn. 'Rubrinervia' |
| 61RD00247 | I G | hirsuta (Spach) Rupr. var. hirsuta |
| 78RD00255 | G | hirsuta (Spach) Rupr. var. hirsuta |
| 83RD00189 | E | hirsuta (Spach) Rupr. var. hirsuta [Kurile Isls.] |
| 84RD00209 | E | hirsuta (Spach) Rupr. var. hirsuta [E.Siberia] |
| 84RD00237 | G | hirsuta (Spach) Rupr. var. microphylla Tatew. |
| 80RD00118 | G | hirsuta (Spach) Rupr. var. sibirica (Spach) Schneid. |
| 82RD00192 | I U | hirsuta (Spach) Rupr. var. sibirica (Spach) Schneid. |
| 89RD00004 | E | hirsuta (Spach) Rupr. var. sibirica (Spach) Schneid. [Japan] |
| 79RD00417 | G | incana (L.) Moench 'Aurea' |
| 74RD00132 | G | incana (L.) Moench subsp. incana |
| 80RD00295 | E | incana (L.) Moench subsp. incana [Belgium] |
| 89RD00006 | K | incana (L.) Moench 'Pendula' |
| 90RD00784 | I G | incana (L.) Moench 'Pendula' |
| 74RD00036 | E | incana (L.) Moench subsp. rugosa (Du Roi) Clausen
[Canada] |
| 79RD00040 | I E | incana (L.) Moench subsp. rugosa (Du Roi) Clausen
[Quebec] |
| 77RD00595 | G | incana (L.) Moench subsp. tenuifolia (Nutt.) Breitung |
| 88RD00028 | E | incana (L.) Moench subsp. tenuifolia (Nutt.) Breitung |

Betulaceae

- [RR&KZ 70739 California]
- 00ZG02303 G japonica (Thunb.) Steud.
- 61RD00661 G japonica (Thunb.) Steud.
- 89RD00069 E japonica (Thunb.) Steud. [Japan]
- 75RD00006 E maritima (Marsh.) Nutt. [Maryland]
- 76RD00234 I E maritima (Marsh.) Nutt. [Maryland]
- 66RD00024 G maximowiczii Call.
- 81RD00138 I E maximowiczii Call. [S.Korea]
- 83RD00205 E maximowiczii Call. [S.Korea]
- 84RD00049 I E maximowiczii Call. [Japan]
- 74RD00354 G R orientalis Decne.
- 88RD00170 E R orientalis Decne. [Turkey (Asia Minor)]
- 88RD00205 E R orientalis Decne. [Turkey (Asia Minor)]
- 88RD00206 E R orientalis Decne. [Turkey (Asia Minor)]
- 88RD00207 E R orientalis Decne. [Turkey (Asia Minor)]
- 88RD00208 E R orientalis Decne. [Turkey (Asia Minor)]
- 88RD00210 E R orientalis Decne. [Turkey (Asia Minor)]
- 80RD00370 E rhombifolia Nutt. [Washington]
- 87RD00297 I K rhombifolia Nutt.
- 88RD00027 E rhombifolia Nutt. [RR&KZ 70725 California]
- 77RD00022 G rubra Bong.
- 79RD00120 I E rubra Bong. [Washington]
- 83RD00169 I E rugosa (Du Roi) C. Spreng. [Massachusetts]
- 85RD00140 E rugosa (Du Roi) C. Spreng. [Massachusetts]
- 79RD00212 E serrulata (Ait.) Willd. [North Carolina]
- 79RD00256 I E serrulata (Ait.) Willd. [Maryland]
- 85RD00203 E serrulata (Ait.) Willd. [Pennsylvania]
- 86RD00083 E serrulata (Ait.) Willd. [Illinois]
- 90RD00101 G serrulatoides Callier
- 89RD00047 E sieboldiana Matsum. [Japan]
- 90RD00102 G sieboldiana Matsum.
- 78RD00256 I G sinuata (Regel) Rydb.
- 85RD00241 E sinuata (Regel) Rydb. [Washington]
- 85RD00332 I K x spaethii Call.
- 81RD00002 U spec.
- 61RD00975 G viridis (Chaix) DC. subsp. crispa (Ait.) Turrill
- 79RD00195 E viridis (Chaix) DC. subsp. crispa (Ait.) Turrill [J.ELLIKU U Irkutsk Distr.]
- 84RD00059 G viridis (Chaix) DC. subsp. crispa (Ait.) Turrill
- 85RD00129 E viridis (Chaix) DC. subsp. crispa (Ait.) Turrill [Quebec]
- 83RD00182 S viridis (Chaix) DC. subsp. fruticosa (Rupr.) Nym.
[E.Siberia]
- 62RD00855 I G viridis (Chaix) DC. f. mollis (Beck) Hegi
- 91RD01022 K viridis (Chaix) DC. subsp. suaveolens (Requien) P.W. Ball
- 62RD00496 E viridis (Chaix) DC. subsp. viridis [Alps]
- 78RD00216 I E viridis (Chaix) DC. subsp. viridis [Czechoslovakia]
- 78RD00397 E viridis (Chaix) DC. subsp. viridis [Switzerland]

Betulaceae

Betula

- 62RD00645 G albo-sinensis Burk.
64RD00395 G albo-sinensis Burk.
79RD00455 G albo-sinensis Burk.
82RD00345 S albo-sinensis Burk. [YU 14547 China]
82RD00346 S albo-sinensis Burk. [YU 10561 China]
82RD00347 S albo-sinensis Burk. [YU 10561 China]
90RD00770 E albo-sinensis Burk. [SICH 167 Sichuan]
71RD00082 G alleghaniensis Britt.
76RD00236 E alleghaniensis Britt. [Maryland]
80RD00018 E alleghaniensis Britt. [Ontario]
85RD00069 G alleghaniensis Britt.
85RD00196 E alleghaniensis Britt. [Ohio]
79RD00047 G alnoides Buch.-Ham. ex D. Don
80RD00035 G alnoides Buch.-Ham. ex D. Don
81RD00253 G alnoides Buch.-Ham. ex D. Don
80RD00328 E V apoiensis Nakai [Japan]
77RD00239 G x caerulea Blanchard
78RD00407 G x caerulea Blanchard
79RD00153 G x caerulea Blanchard
88RD00111 K x caerulea Blanchard
81RD00176 G chinensis Maxim.
82RD00239 U chinensis Maxim.
83RD00206 E chinensis Maxim. [S.Korea]
85RD00118 E chinensis Maxim. [S.Korea]
80RD00350 S corylifolia Regel & Maxim. ex Regel [Japan]
83RD00294 S corylifolia Regel & Maxim. ex Regel [WILSON N76]
85RD00264 G corylifolia Regel & Maxim. ex Regel
82RD00222 E costata Trautv. [S.Korea]
82RD00266 E costata Trautv. [MK/K 199 S.Korea]
77RD00125 E davurica Pall. [Kurile Isls.]
78RD00637 E davurica Pall. [Primorsk Terr.]
80RD00154 E davurica Pall. [Honshu]
80RD00174 E davurica Pall. [Honshu]
80RD00420 E davurica Pall.
81RD00243 U davurica Pall.
79RD00358 G delavayi Franch. subsp. potaninii (Batal.) De Jong
85RD00352 K 'Edinburgh'
00ZG00107 G ermanii Cham. 'Blush'
00ZG03412 G ermanii Cham. 'Blush'
78RD00628 S ermanii Cham. subsp. ermanii [Sakhalin]
79RD00198 E ermanii Cham. subsp. ermanii [T.VARDJA A Kamchatka
(incl. Komador Isl.)]
80RD00175 I E ermanii Cham. subsp. ermanii [Honshu]
80RD00403 S ermanii Cham. subsp. ermanii [Sakhalin]
81RD00105 S ermanii Cham. subsp. ermanii
82RD00176 I E ermanii Cham. subsp. ermanii [Sakhalin]

Betulaceae

- 83RD00166 E ermanii Cham. subsp. ermanii [Kamchatka (incl. Komador Isl.)]
- 83RD00190 E ermanii Cham. subsp. ermanii [Kurile Isls.]
- 84RD00206 S ermanii Cham. subsp. ermanii [Sakhalin]
- 84RD00371 E ermanii Cham. subsp. ermanii [Hokkaido]
- 10 of 15 accessions sharing this taxon are listed above
- 79RD00457 G x fetisowii hort.
- 78RD01047 I G fruticosa Pall.
- 79RD00283 G fruticosa Pall.
- 80RD00329 G fruticosa Pall.
- 82RD00127 E fruticosa Pall. [Yakut As.]
- 82RD00247 E fruticosa Pall.
- 84RD00144 G fruticosa Pall.
- 84RD00210 E fruticosa Pall. [E.Siberia]
- 77RD00076 E grossa Sieb. & Zucc. [Japan]
- 84RD00050 E grossa Sieb. & Zucc. [Japan]
- 88RD00160 E grossa Sieb. & Zucc. [Japan]
- 82RD00067 S I humilis Schrank
- 88RD00058 E insignis Franchet [Hunan]
- 81RD00031 S kirghisorum Sawicz [Kirgiziya]
- 86RD00095 G kirghisorum Sawicz
- 91RD01024 K korshinskyi Litv.
- 61RD00482 I E lenta L. subsp. lenta
- 80RD00039 I E lenta L. subsp. lenta
- 80RD00444 E lenta L. subsp. lenta [New York, incl. Long Island]
- 81RD00260 E lenta L. subsp. lenta [Ontario]
- 81RD00332 E lenta L. subsp. lenta [New York, incl. Long Island]
- 82RD00017 E lenta L. subsp. lenta [Ontario]
- 85RD00127 E lenta L. subsp. lenta [Pennsylvania]
- 85RD00139 E lenta L. subsp. lenta [Massachusetts]
- 86RD00002 E lenta L. subsp. lenta [Ontario]
- 82RD00338 I N E lenta L. subsp. uber (Ashe) De Jong
- 82RD00213 G litwinowii Doluch.
- 00ZG00048 G I maximowicziana Regel
- 79RD00276 G I maximowicziana Regel
- 79RD00460 G I maximowicziana Regel
- 80RD00186 G I maximowicziana Regel
- 88RD00080 E I maximowicziana Regel [Japan]
- 77RD00020 I G I medwedewii Regel
- 79RD00213 E microphylla Bunge [Altai]
- 79RD00214 E microphylla Bunge [Altai]
- 79RD00252 G middendorffii Trautv. & Mey.
- 81RD00034 G middendorffii Trautv. & Mey.
- 82RD00169 S middendorffii Trautv. & Mey.
- 61RD00123 I G nana L. subsp. nana
- 78RD00321 E nana L. subsp. nana [Norway]
- 87RD00010 E nana L. subsp. nana [Finland]

Betulaceae

88RD00112	K	nana L. subsp. nana
92RD00788	G	nana L. subsp. nana
00ZG00030	G	nigra L.
00ZG00108	G	nigra L.
00ZG00899	G	nigra L.
00ZG00901	G	nigra L.
00ZG01035	I G	nigra L.
00ZG01036	I G	nigra L.
79RD00125	I E	occidentalis W.J. Hook. [<u>Montana</u>]
83RD00103	U	occidentalis W.J. Hook.
84RD00163	E	ovczinnikovii V. Vassiljev [<u>Tadzhikistan</u>]
88RD00169	E	papyrifera Marsh. subsp. cordifolia (Regel) Fern. [<u>Quebec</u>]
00ZG00110	G	papyrifera Marsh. subsp. papyrifera
80RD00019	I E	papyrifera Marsh. subsp. papyrifera [<u>Ontario</u>]
80RD00040	I E	papyrifera Marsh. subsp. papyrifera
80RD00071	I E	papyrifera Marsh. subsp. papyrifera [<u>Ontario</u>]
80RD00459	E	papyrifera Marsh. subsp. papyrifera [<u>Michigan</u>]
85RD00351	I K	pendula Roth 'Birkalensis'
91RD01021	K	pendula Roth 'Crispa'
00ZG02277	G	pendula Roth 'Dalecarlica'
00ZG02293	G	pendula Roth 'Dalecarlica'
00ZG02294	G	pendula Roth 'Dalecarlica'
00ZG00139	G	pendula Roth 'Fastigiata'
89RD00073	K	pendula Roth 'Golden Cloud'
79RD00463	G	pendula Roth 'Obelisk'
80RD00066	G	pendula Roth f. obscura (Kotula) ..
70RD00079	G	pendula Roth 'Purpurea'
74RD00234	G	pendula Roth 'Purpurea'
91RD01331	K	pendula Roth 'Purpurea'
00ZG02274	G	pendula Roth 'Tristis'
1 of 65 accessions sharing this taxon are listed above		
00ZG02282	G	pendula Roth 'Youngii'
00ZG02283	G	pendula Roth 'Youngii'
00ZG02284	G	pendula Roth 'Youngii'
00ZG02285	G	pendula Roth 'Youngii'
00ZG02286	G	pendula Roth 'Youngii'
00ZG02287	G	pendula Roth 'Youngii'
78RD00499	E	platyphylla Sukatsch. subsp. mandshurica Regel [<u>Kurile Isls.</u>]
78RD00500	E	platyphylla Sukatsch. subsp. mandshurica Regel [<u>Sakhalin</u>]
78RD01004	G	platyphylla Sukatsch. subsp. mandshurica Regel
80RD00318	S	platyphylla Sukatsch. subsp. mandshurica Regel [<u>Hokkaido</u>]
80RD00421	E	platyphylla Sukatsch. subsp. mandshurica Regel
81RD00075	G	platyphylla Sukatsch. subsp. mandshurica Regel
81RD00164	U	platyphylla Sukatsch. subsp. mandshurica Regel
81RD00224	S	platyphylla Sukatsch. subsp. mandshurica Regel [<u>Sakhalin</u>]
81RD00274	S	platyphylla Sukatsch. subsp. mandshurica Regel [<u>Sakhalin</u>]

Betulaceae

- 81RD00289 G platyphylla Sukatsch. subsp. mandshurica Regel
 77RD00170 G platyphylla Sukatsch. subsp. platyphylla
 77RD00238 G platyphylla Sukatsch. subsp. platyphylla
 78RD00629 S platyphylla Sukatsch. subsp. platyphylla [Kurile Isls.]
 80RD00407 E platyphylla Sukatsch. subsp. platyphylla [Estonia]
 83RD00167 E platyphylla Sukatsch. subsp. platyphylla [Kamchatka (incl. Komador Isl.)]
 83RD00227 E platyphylla Sukatsch. subsp. platyphylla [Kamchatka (incl. Komador Isl.)]
 86RD00666 K platyphylla Sukatsch. subsp. platyphylla
 90RD00759 E platyphylla Sukatsch. subsp. platyphylla [SICH 116 Sichuan]
 90RD00776 E platyphylla Sukatsch. subsp. platyphylla [SICH 206 Sichuan]
 82RD00263 E platyphylla Sukatsch. subsp. szechuanica (Schneid.) De Jong [MK/K 87 Sichuan]
 82RD00264 E platyphylla Sukatsch. subsp. szechuanica (Schneid.) De Jong [MK/K 113 Sichuan]
 82RD00265 E platyphylla Sukatsch. subsp. szechuanica (Schneid.) De Jong [MK/K 100 Sichuan]
 86RD00669 I E platyphylla Sukatsch. subsp. szechuanica (Schneid.) De Jong [China]
 78RD00471 I G populifolia Marsh.
 80RD00072 I E populifolia Marsh. [Ontario]
 81RD00263 I E populifolia Marsh. [Ontario]
 82RD00287 E populifolia Marsh. [New Jersey]
 84RD00038 E populifolia Marsh. [New Jersey]
 78RD00124 G pubescens Ehrh. subsp. celtiberica (Rothm. & Vasc.) De Jong
 81RD00219 G pubescens Ehrh. subsp. celtiberica (Rothm. & Vasc.) De Jong
 88RD00099 E pubescens Ehrh. subsp. celtiberica (Rothm. & Vasc.) De Jong [Spain]
 77RD00572 G pubescens Ehrh. subsp. pubescens
 78RD00365 E pubescens Ehrh. subsp. pubescens [Finland]
 80RD00144 I E pubescens Ehrh. subsp. pubescens [W.Germany]
 81RD00173 E pubescens Ehrh. subsp. pubescens [W.Germany]
 82RD00110 E pubescens Ehrh. subsp. pubescens [Finland]
 82RD00128 I E pubescens Ehrh. subsp. pubescens [W.Germany]
 84RD00109 E pubescens Ehrh. subsp. pubescens [Iceland]
 84RD00166 E pubescens Ehrh. subsp. pubescens [W.Germany]
 85RD00099 E pubescens Ehrh. subsp. pubescens [Iceland]
 80RD00133 E pubescens Ehrh. subsp. tortuosa (Ledeb.) Nym. [Norway]
 81RD00024 E pubescens Ehrh. subsp. tortuosa (Ledeb.) Nym. [HUN Norway]
 81RD00060 E pubescens Ehrh. subsp. tortuosa (Ledeb.) Nym. [Sweden]
 79RD00029 E pumila L. subsp. glandulifera (Regel) De Jong [Ontario]

Betulaceae

- 80RD00049 E *pumila* L. subsp. *glandulifera* (Regel) De Jong [ROSE Br. Columbia incl. Charlotte Isl.]
- 81RD00100 E *pumila* L. subsp. *glandulifera* (Regel) De Jong [Br. Columbia incl. Charlotte Isl.]
- 88RD00165 E *pumila* L. subsp. *glandulifera* (Regel) De Jong [Ontario]
- 91RD01025 K *pumila* L. subsp. *glandulifera* (Regel) De Jong
- 80RD00460 E *pumila* L. subsp. *pumila* [Michigan]
- 83RD00139 E *pumila* L. subsp. *pumila* [Ontario]
- 86RD00063 E *pumila* L. subsp. *pumila* [Michigan]
- 88RD00167 E *pumila* L. subsp. *pumila* [Ontario]
- 88RD00257 E *pumila* L. subsp. *pumila* [Newfoundland (incl. Labrador)]
- 88RD00168 E *pumila* L. x *B. papyrifera* Marsh. [Ontario]
- 80RD00411 G I *raddeana* Trautv.
- 82RD00212 G I *raddeana* Trautv.
- 85RD00260 E I *raddeana* Trautv. [Asiatic Russia]
- 86RD00097 G I *raddeana* Trautv.
- 84RD00017 E *x raymundii* Lepage [Quebec]
- 79RD00461 G *x sandbergii* Britt.
- 86RD00687 G *x sandbergii* Britt.
- 79RD00300 G *saposhnikovii* Sukatsch.
- 80RD00177 I E I *schmidtii* Regel [Honshu]
- 80RD00392 E I *schmidtii* Regel [S.Korea]
- 82RD00244 E I *schmidtii* Regel
- 84RD00244 E I *schmidtii* Regel [N.Korea]
- 90RD00812 E *spec.* [SICH 346 Sichuan]
- 79RD00235 G *tianschanica* Rupr.
- 85RD00276 S *tianschanica* Rupr. [Temperate Asia]
- 85RD00280 E *tianschanica* Rupr. [Temperate Asia]
- 78RD00408 G *turkestanica* Litvin.
- 80RD00004 E *turkestanica* Litvin. [Tadzhikistan]
- 85RD00172 G *turkestanica* Litvin.
- 85RD00208 G *turkestanica* Litvin.
- 79RD00458 I E *utilis* D. Don 'Doorenbos'
- 84RD00456 N *utilis* D. Don subsp. *occidentalis* Kitamura [Afghanistan]
- 86RD00668 I E *utilis* D. Don subsp. *prattii* (Burk.) De Jong [China]
- 78RD00154 E *utilis* D. Don subsp. *utilis* [BLM 221 Nepal]
- 79RD00462 G *utilis* D. Don subsp. *utilis*
- 82RD00143 E *utilis* D. Don subsp. *utilis* [Sichuan]
- 82RD00314 E *utilis* D. Don subsp. *utilis* [Nepal]
- 87RD00315 E *utilis* D. Don subsp. *utilis*
- 88RD00095 E *utilis* D. Don subsp. *utilis* [ERN 3466 India]
- 90RD00771 E *utilis* D. Don subsp. *utilis* [SICH 169 Sichuan]
- Carpinus**
- 91RD01356 G *betulus* L.
- 00ZG00073 I G *betulus* L. 'Columnaris'
- 00ZG01122 I G *betulus* L. 'Columnaris'

Betulaceae

00ZG01123	I	G	betulus L. 'Columnaris'
00ZG01124	I	G	betulus L. 'Columnaris'
00ZG01126	I	G	betulus L. 'Columnaris'
00ZG01127	I	G	betulus L. 'Columnaris'
00ZG02021	I	G	betulus L. 'Columnaris'
74RD00440	G		betulus L. 'Fastigiata'
74RD00459	I	G	betulus L. 'Incisa'
85RD00397	K		betulus L. 'Pendula'
00ZG01768	G		betulus L. 'Purpurea'
70RD00083	G		betulus L. 'Purpurea'
90RD00328	E		caroliniana Walt. [<u>Pennsylvania</u>]
61RD01307	G		caucasica Grossh.
79RD00115	G		cordata Bl.
80RD00330	G		cordata Bl.
83RD00041	E		cordata Bl. [<u>S.Korea</u>]
87RD00221	E		cordata Bl. [<u>S.Korea</u>]
87RD00260	G		cordata Bl.
85RD00109	I	G	coreana Nakai
71RD00200	G		fargesiana Winkl.
79RD00116	I	G	japonica Bl.
79RD00217	G		japonica Bl.
80RD00129	G		japonica Bl.
89RD00035	E		japonica Bl. [<u>Japan</u>]
90RD00542	E		japonica Bl. [<u>Japan</u>]
79RD00186	E		laxiflora (Sieb. & Zucc.) Bl. var. laxiflora [<u>Honshu</u>]
85RD00229	E		laxiflora (Sieb. & Zucc.) Bl. var. laxiflora [<u>S.Korea</u>]
89RD00038	E		laxiflora (Sieb. & Zucc.) Bl. var. laxiflora [<u>Japan</u>]
92RD00721	K	I	shensiensis Hu
61RD01369	G		tschonokii Maxim.
77RD00139	E		tschonokii Maxim. [<u>S.Korea</u>]
83RD00208	E		tschonokii Maxim. [<u>S.Korea</u>]
89RD00053	G		tschonokii Maxim.
65RD00065	G		turczaninowii Hance var. ovalifolia Winkl.
74RD00327	I	G	turczaninowii Hance var. turczaninowii
86RD00602	I	E	turczaninowii Hance var. turczaninowii [<u>Qinghai</u>]
88RD00186	E		turczaninowii Hance var. turczaninowii [<u>China</u>]

Corylus

61RD00049	G		americana Marsh.
71RD00133	G		avellana L.
86RD00347	K		avellana L. 'Aurea'
00ZG00950	G		avellana L. 'Contorta'
00ZG01103	G		avellana L. 'Contorta'
00ZG01104	G		avellana L. 'Contorta'
00ZG02057	G		avellana L. 'Contorta'
68RD00031	G		avellana L. 'Contorta'
78RD01093	G		avellana L. 'Contorta'

Betulaceae

70RD00087	G	avellana L. 'Fuscorubra'
74RD00435	I G	avellana L. 'Heterophylla'
61RD00365	G	avellana L. 'Maxima'
00ZG01107	G	avellana L. 'Pendula'
00ZG01108	G	avellana L. 'Pendula'
00ZG01109	G	avellana L. 'Pendula'
00ZG01110	G	avellana L. 'Pendula'
00ZG01111	G	avellana L. 'Pendula'
00ZG01112	G	avellana L. 'Pendula'
74RD00273	G V	chinensis Franch.
79RD00482	G V	chinensis Franch.
74RD00360	G I	colurna L.
88RD00268	K I	colurna L.
91RD00796	G I	colurna L.
75RD00003	E	cornuta Marsh. var. cornuta
90RD00277	K	maxima Mill. 'Purpurea'
86RD00348	K	maxima Mill. 'Rote Zellernuss'
85RD00166	G	tibetica Batal.

Ostrya

00ZG00994	G I	carpinifolia Scop.
62RD00665	G I	carpinifolia Scop.
80RD00400	I E I	carpinifolia Scop. [Italy]
85RD00165	E I	carpinifolia Scop. [Yugoslavia]
72RD00203	I G	japonica Sarg.
80RD00533	E	spec. [A 30 <u>Kentucky</u>]
61RD00486	G	virginiana (Mill.) K. Koch
61RD00719	G	virginiana (Mill.) K. Koch
61RD00851	E	virginiana (Mill.) K. Koch
78RD01078	I G	virginiana (Mill.) K. Koch

Bignoniaceae**Campsis**

61RD01466	I G	radicans (L.) Seem.
80RD00476	E	radicans (L.) Seem. [<u>Washington</u>]
80RD00598	G	radicans (L.) Seem.
92RD00714	K	radicans (L.) Seem. 'Flava'
71RD00064	I G	radicans (L.) Seem. 'Speciosa'
73RD00029	G	x tagliabuana (Vis.) Rehd. 'Madame Galen'
91RD00963	K	x tagliabuana (Vis.) Rehd. 'Madame Galen'
92RD00720	K	x tagliabuana (Vis.) Rehd. 'Madame Galen'

Catalpa

60RD00082	G	bignonioides Walt.
00ZG00090	G	bignonioides Walt. 'Aurea'
81RD00386	G	bignonioides Walt. 'Aurea'

Bignoniaceae

91RD00945	K	bignonioides Walt. 'Aurea'
70RD00044	G	bungei C.A.Mey.
79RD00141	G	fargesii Bur.
60RD00624	I G	ovata G.Don
79RD00142	G	speciosa (Warder ex Barney) Engelm.

Eccremocarpus

71ZS00029	I G	scaber Ruiz & Pav.
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Incarvillea

88ZS00054	G	bonvaloti Bureau & Franch.
91BL00331	G	compacta Maxim.
91BL00317	G	delavayi Bur. & Franch.
82BL00329	E	olgae Regel [<u>Tadzhikistan</u>]
91ZS00688	G	olgae Regel
91ZS00813	G	olgae Regel
82BL00331	E	olgae Regel f. alba [<u>Tadzhikistan</u>]

Jacaranda

73GR00525	G	jasminoides (Thunb.) Sandw.
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Macfadyena

68GR00887	I G	unguis-cati (L.) A.H.Gentry
68GR00921	I G	unguis-cati (L.) A.H.Gentry

Pandorea

91GR01318	K	spec.
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Pyrostegia

68GR01449	I G	venusta (Ker-Gawl.) Miers
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Tecoma

90GR00352	E	stans (L.) H.B.K. [<u>Colombia</u>]
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Tecomaria

74GR00073	I G	capensis (Thunb.) Spach
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Bixaceae

Bixa

84GR00326	I E	orellana L. [<u>MAAS 6219 Peru</u>]
86GR00162	G	spec.

Cochlospermum

89GR00053	G	religiosum (L.) Alston
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Blechnaceae

Blechnaceae

Blechnum

- 68GR00463 I G brasiliense Desv.
 76GR00276 I G brasiliense Desv.
 68GR00464 I G occidentale L.
 92BL00632 G penna-marina (Poir.) Kuhn
 69BL00279 I G spicant (L.) Roth
 84BL00145 E spicant (L.) Roth [Belgium]

Doodia

- 68GR00531 I G caudata (Cav.) R.Br. var. caudata
 76GR00279 I G caudata (Cav.) R.Br. var. caudata

Stenochlaena

- 68GR00605 I G tenuifolia (Desv.) T. Moore

Bombacaceae

Catostemma

- 89GR00093 I E fragrans Benth. [MJJ 1977 Guyana]

Ceiba

- 76GR00152 E pentandra (L.) Gaertn. [Liberia]

Boraginaceae

Anchusa

- 91ZE01622 G arvensis (L.) M. Bieb.
 83ZE00329 E azurea Mill. [Italy]
 82ZE02160 I E officinalis L. [W.Germany]
 91ZE01602 G officinalis L.

Asperugo

- 91ZE01573 E procumbens L. [Sweden]
 92ZE00514 E procumbens L. [France]

Beureria

- 69GR00010 I G succulenta Jacq.

Borago

- 69ZE00386 I G officinalis L.
 88BL00250 G pygmaea (DC.) Chater & Greuter

Brunnera

- 67BL00265 I G macrophylla (Adams) Johnst.
 73BL00161 G macrophylla (Adams) Johnst. 'Variegata'

Boraginaceae

- Buglossoides**
 91ZE01449 G arvensis (L.) I.M. Johnston
 65BL00089 I G purpureoacerulea (L.) Johnst.
- Caccinia**
 72BL00191 G strigosa Boiss.
- Cerinthe**
 80ZE02168 I E major L. [Spain]
 65BL00452 I G minor L. subsp. minor
 91ZS01914 U minor L. subsp. minor
- Cordia**
 77GR00049 I E sericalyx A. DC. [JCL 172 Suriname]
- Cynoglossum**
 54ZE02438 I G amabile Stapf & Drumm.
 72ZE02108 I G officinale L.
 91ZE01589 G officinale L.
 57ZE00816 I G wallichii G. Don
- Echium**
 87ZE01452 E vulgare L. [Belgium]
 92ZE00170 E vulgare L. [Switzerland]
 88GR00151 G V wildpretii H.H.W. Pears. ex J.D. Hook
- Ehretia**
 88RD00096 G dicksonii Hance
 88RD00171 G dicksonii Hance
 63RD00368 I G thyrsoflora (Sieb. & Zucc.) Nakai
- Eritrichium**
 80BL00077 E nanum (L.) Schrad. ex Gaud. [Switzerland]
- Hackelia**
 91BL00498 E virginiana (L.) M. Johnston [Quebec]
- Heliotropium**
 68GR01070 I G amplexicaule Vahl
 86ZE02524 K arborescens L.
- Lappula**
 55ZE00789 I G squarrosa (Retz.) Dumort.
- Lindelofia**
 80ZS00072 G anchusoides (Lindl.) Lehm.

Boraginaceae

- Lithodora**
 75BL00170 G *diffusa* (Lag.) Johnst. 'Heavenly Blue'
 92BL00800 G R *oleifolia* (Lapeyr.) Griseb.
- Lithospermum**
 80ZS00034 I E *officinale* L. [Newfoundland (incl. Labrador)]
 92ZS00171 E *officinale* L. [Switzerland]
- Mertensia**
 81BL00072 E *paniculata* (Ait.) G. Don var. *paniculata* [Br. Columbia incl. Charlotte Isl.]
- Moltkia**
 89BL00158 K *x froebeli*
 71BL00139 G *x intermedia* (Froeb.) Ingram
 86BL00601 U *x intermedia* (Froeb.) Ingram. cv.
 65BL00143 I G *petraea* (Tratt.) Griseb.
- Myosotis**
 91BL00199 E *alpestris* F.W. Schmidt [Austria]
 91ZE01594 G *arvensis* (L.) Hill
 91ZE00218 I G *discolor* Pers.
 92BL00851 G *explanata* Cheesem.
 65BL00231 I G *sylvatica* Hoffm. subsp. *subarvensis* Grau
- Omphalodes**
 79ZB00007 G *cappadocica* (Willd.) DC. 'Knightshayes'
 70BL00070 I G *linifolia* (L.) Moench
 89BL00122 K *nipponica*
- Onosma**
 87BL00310 G *helvetica* (A.DC.) Boiss.
 88BL00448 G *helvetica* (A.DC.) Boiss.
 90BL00507 G *taurica* Pall. ex Willd.
 88BL00170 G V *tornensis* Jáv.
 90BL00582 G V *tornensis* Jáv.
- Patagonula**
 67GR00039 I E *americana* L. [JCL&H H344 Brazil]
- Pentaglottis**
 72ZS00055 I G *sempervirens* (L.) Tausch ex L.H. Bailey
 87BL00566 G *sempervirens* (L.) Tausch ex L.H. Bailey
- Pseudomertensia**
 91BL01126 S *primuloides* [SEP 234 Pakistan]

Boraginaceae

Pulmonaria

66BL00077	I G	montana Lej.
88BL00278	G	officinalis L.
88BL00450	G	officinalis L.
80ZB00005	I G	rubra Schott
66GR00341	G	rubra Schott 'Bowles Red'

Symphytum

91ZS01875	S E	asperum Lepechin [CYT 03871 <u>Turkey (Asia Minor)</u>]
91ZS01876	S E	asperum Lepechin [CYT 24279-J <u>Caucasus</u>]
91ZS01877	S E	asperum Lepechin [CYT 24279-K <u>Caucasus</u>]
91ZS01878	S E	asperum Lepechin [CYT 24279-L <u>Caucasus</u>]
91ZS01867	S E	grandiflorum DC. [CYT 25040-C <u>Armenia</u>]
91ZS01868	S E	grandiflorum DC. [CYT 25040-D <u>Armenia</u>]
71ZS00116	G	officinale L.
91ZS01879	S E	officinale L. [CYT 06971-P <u>Austria</u>]
91ZS01880	S E	officinale L. [CYT 11175-P <u>Rumania</u>]
91ZS01881	S E	officinale L. [CYT 06981-W <u>Austria</u>]
91ZS01884	S E	officinale L. [CYT 27695-W <u>The Netherlands</u>]
91ZS01885	S E	officinale L. [CYT 27576-P <u>The Netherlands</u>]
91ZS01886	S E	officinale L. [CYT 25564-W <u>France</u>]
91ZS01887	S E	officinale L. [CYT 25580-W <u>France</u>]
91ZS01888	S E	officinale L. [CYT 11314 <u>Hungary</u>]
91ZS01913	U	officinale L.
91ZS01869	S E	tuberosum L. [CYT 21626 <u>France</u>]
91ZS01870	S E	tuberosum L. [CYT 21628 <u>France</u>]
91ZS01871	S G	x uplandicum Nym. [CYT 06297]
91ZS01872	S G	x uplandicum Nym. [CYT 06292]
91ZS01873	S G	x uplandicum Nym. [CYT 07549]
91ZS01874	S G	x uplandicum Nym. [CYT 07554]
91ZS01882	S E	x uplandicum X Nym. S.officinale L. [CYT 02588 <u>Limburg</u>]
91ZS01883	S E	x uplandicum X Nym. S.officinale L. [CYT 02587 <u>Limburg</u>]

Brassicaceae

Aethionema

86BL00244	G	armenum Boiss.
87BL00485	G	armenum Boiss.
86BL00245	G	diastrophis Bunge
82BL00092	I G	grandiflorum Boiss. & Hohen. ex Boiss.
69BL00162	I G	iberideum (Boiss.) Boiss.
86BL00045	G	saxatile (L.) R. Br.
86BL00138	S	saxatile (L.) R. Br. [<u>Switzerland</u>]
86BL00139	G	stylosum DC.

Alyssoides

64BL00214	I E	utriculata (L.) Medik. [<u>Switzerland</u>]
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Brassicaceae

- 91BL00332 G utriculata (L.) Medik.
 91BL01102 E utriculata (L.) Medik. [Switzerland]
- Alyssum**
- 92ZE00433 G alyssoides (L.) L.
 92ZE00438 E alyssoides (L.) L. [France]
 92ZE00546 E alyssoides (L.) L. [Switzerland]
 65BL00159 I G montanum L. subsp. montanum
 66BL00135 I G saxatile L. 'Citrinum'
 80BL00081 G saxatile L. 'Compactum'
 81BL00233 I E saxatile L. subsp. saxatile [CYT T25044 Macedonia]
 84BL00076 E serpyllifolium Desf. [Spain]
- Arabidopsis**
- 91ZE00749 I E thaliana (L.) Heynh. [Italy]
- Arabis**
- 91BL00216 E alpina L. [Austria]
 91BL00258 E alpina L. [Austria]
 91BL00271 I E alpina L. [Switzerland]
 69BL00169 I G R aubrietoides Boiss.
 68GR01109 I G blepharophylla W.J.Hook. & Arn.
 91BL00552 E caerulea (All.) Haenke [Switzerland]
 91BL01103 E caerulea (All.) Haenke [Switzerland]
 69BL00170 G R carduchorum Boiss.
 67BL00291 I G caucasica Schlechtend.
 88BL00294 E corymbiflora Vest [France]
 88BL00460 E corymbiflora Vest [Austria]
 66BL00182 G x digenea Fritsch
 90BL00619 S drummondii [Br. Columbia incl. Charlotte Isl.]
 86BL00380 G R ferdinandi-coburgi Kellerer & Suenderm.
 90ZE00822 G glabra (L.) Bernh.
 91BL00455 E glabra (L.) Bernh. [Finland]
 89BL00106 K procurrens Waldst. & Kit. 'Variegata'
 82BL00238 E pumila Jacq. [W.Germany]
 72BL00116 I G purpurea Sibth. & Sm.
 88BL00267 S sagittata (Bertol.) DC. [ERN 6511 Turkey (Asia Minor)]
 88BL00414 E sagittata (Bertol.) DC. [Tauris Crimea]
 73BL00071 I E scopoliana Boiss. [Yugoslavia]
 67BL00225 I G soyeri Reut. & Huet subsp. jacquini (G.Beck) B.M.G.Jones
 92BL00223 E stelleri DC. var. japonica (A.Gray) Fr.Schmidt [Honshu]
 67BL00263 G sturii Mottet
 78BL00431 E turrita L. [EAM Spain]
- Armoracia**
- 75ZS00028 I G rusticana Ph.Gaertn., B.Mey. & Scherb.

Brassicaceae

		Aubrieta	
83BL00424	G	'Ashtead Purple'	
92BL00784	K	'Blue Emperor'	
83BL00423	G	'Bressingham Red'	
72BL00157	I G	columnae Guss. subsp. croatica (Sch., nym. & Kotschy) Mattf.	
69BL00111	I G	columnae Guss. subsp. italica (Boiss.) Mattf.	
66BL00112	I G	cv.	
71BL00186	I G	libanotica Boiss.	
69BL00183	I G	pinardii Boiss.	
89BL00107	K	'Red Carpet'	
92BL00779	K	'Red Carpet'	
		Barbarea	
65BL00398	E	intermedia Boreau	
		Berteroa	
54ZE02130	I G	incana (L.) DC.	
92ZE00156	E	incana (L.) DC. [E.Germany]	
92ZE00161	E	incana (L.) DC. [E.Germany]	
		Brassica	
53ZE01044	I G	napus L.	
91ZE00646	I G	nigra (L.) W.D.J. Koch	
91ZE01607	G	nigra (L.) W.D.J. Koch	
		Calepina	
91ZE01591	G	irregularis (Asso) Thellung	
		Camelina	
53ZE01032	I G	sativa (L.) Crantz subsp. sativa	
		Capsella	
53ZE00843	I G	grandiflora (Bory & Chaub.) Boiss.	
		Cardamine	
85BL00204	G	pentaphyllos L.	
74BL00118	I G	trifolia L.	
		Cardaria	
87ZS00031	E	draba (L.) Desv.	
88ZS00038	E	draba (L.) Desv. [Spain]	
91ZS01650	G	draba (L.) Desv.	
		Cochlearia	
72ZS00041	G	officinalis L.	

Brassicaceae

- Coronopus**
 54ZE02118 I G squamatus (Forssk.) Aschers.
- Crambe**
 72ZE02073 I E hispanica L. var. glabrata (DC.) Coss. [Spain]
 90ZS00885 G maritima L.
 91ZS00577 E maritima L. [Denmark]
- Degenia**
 91BL01651 G velebetica (Degen) Hayek
- Diplotaxis**
 91ZE00974 I E muralis (L.) DC. [Switzerland]
- Draba**
 88BL00225 E aizoides L. [France]
 89BL00032 E althaica (C.A. Mey.) Bge. [Altai]
 75BL00072 E aspera Bertol.
 92BL00815 G athoa (Griseb.) Boiss.
 71BL00034 I G borealis DC.
 69BL00197 G R bruniifolia Stev.
 92BL00896 G cappadocica Boiss. & Bal.
 85BL00267 G R crassifolia Grah.
 92BL00258 E daurica DC. [Norway]
 70BL00090 G dedeana Boiss. & Reut. var. mawii (J.D.Hook.) Willk.
 87BL00583 E glabella Pursh [Greenland]
 87BL00220 S R hispanica Boiss.
 90BL00132 E R hispanica Boiss. [Spain]
 64BL00004 I G incana L.
 88BL00318 E lasiocarpa Rochel [Bulgaria]
 87BL00471 G lasiocarpa Rochel subsp. klasterskyi Chrtk
 85BL00224 G mollissima Stev.
 81BL00144 S muralis L. [Switzerland]
 92BL00419 S parnassica Boiss. ex Heldr.
 90BL01044 U paysonii Macbr.
 88BL00171 S paysonii Macbr. var. treleassi (O.E.Schulz) Hitchc. [Alberta]
 92BL00420 S paysonii Macbr. var. treleassi (O.E.Schulz) Hitchc. [Alberta]
 92BL00808 G polytricha Ledeb.
 92BL00882 G polytricha Ledeb.
 89BL00100 K rigida Willd.
 84BL00091 G rigida Willd. var. bryoides (DC.) Boiss.
 92BL00743 G rigida Willd. var. bryoides (DC.) Boiss. 'Imbricata'
 92BL00895 G rigida Willd. var. bryoides (DC.) Boiss. 'Imbricata'
 90BL01012 K spec.
 92BL00795 U spec.

Brassicaceae

- Eruca**
 53ZE01045 I G vesicaria (L.) Cav. subsp. sativa (Mill.) Thell.
- Erysimum**
 66BL00222 I E decumbens (Schleich. ex Willd.) Dennst. [Switzerland]
 64BL00328 I G helveticum (Jacq.) DC.
 75BL00153 I G kotschyannum J.Gay
 90BL01188 K kotschyannum J.Gay
 89BL00026 E odoratum Ehrh. [Rumania]
 73BL00109 G pachycarpum J.D.Hook. & Thoms.
- Eunomia**
 72BL00210 G rotundifolia C.A.Mey.
- Fibigia**
 72BL00095 I G eriocarpa (DC.) Boiss.
- Hesperis**
 86ZE02536 E R matronalis L. [W.Germany]
 87BL00049 G R matronalis L.
- Hugueninia**
 77BL00197 I S tanacetifolia subsp. suffruticosa (Coste & Soulie) P.W.Ball [France]
 86BL00345 E tanacetifolia (L.) Rchb. subsp. tanacetifolia [Switzerland]
- Hutchinsia**
 65BL00556 I G alpina (L.) R. Br. subsp. alpina
 86BL00143 G alpina (L.) R. Br. subsp. auerswaldii (Willk.) Lainz
 91BL00556 E alpina (L.) R. Br. subsp. brevicaulis (Hoppe) Arcang. [Switzerland]
- Iberis**
 67BL00029 I E amara L. subsp. amara [Belgium]
 92ZE00167 G amara L. subsp. amara
 92ZE00311 S amara L. subsp. amara [W.Germany]
 84BL00139 E saxatilis L. subsp. saxatilis [Italy]
 84BL00032 G saxatilis L. var.
 73BL00119 G R semperflorens L.
 71BL00216 I G sempervirens L.
 69BL00312 G sempervirens L. 'Snowflake'
 68BL00095 I G taurica DC.
- Isatis**
 77ZE00372 G tinctoria L.
 91ZE01744 U tinctoria L.

Brassicaceae

		Kernera	
88BL00228	E	saxatilis (L.) Rchb. [Switzerland]	
88BL00461	E	saxatilis (L.) Rchb. [Austria]	
		Lesquerella	
90BL00852	S	arctica (Wormsk.) S.Watts var. purshii S.Watson [N.America]	
92BL00780	G	spec.	
		Lobularia	
71ZE00812	I G	maritima (L.) Desv. var. <i>maritima</i>	
92ZE00312	G	maritima (L.) Desv. var. <i>maritima</i>	
92ZE00515	E	maritima (L.) Desv. var. <i>maritima</i> [France]	
		Lunaria	
73ZE00806	G	annua L.	
77BL00018	I E I	rediviva L. [France]	
		Malcolmia	
62ZE02176	I G	chia (L.) DC.	
		Matthiola	
91BL00333	G	fruticulosa (L.) Maire subsp. <i>valesiaca</i> (Gay ex Gaud.)P.W.Bal	
79BL00071	E	valesiaca Gay ex Gaud. [Italy]	
		Morisia	
92BL00776	G	monanthos (Viv.) Aschers.	
92BL00876	G	monanthos (Viv.) Aschers.	
		Peltaria	
74BL00016	I G	alliacea Jacq.	
		Petrocallis	
86BL00058	S	pyrenaica (L.) R. Br. [Yugoslavia]	
		Phoenicaulis	
84BL00404	E	cheiranthoides Nutt. [R.R. 30697 California]	
86BL00271	G	cheiranthoides Nutt.	
		Ptilotrichum	
81BL00111	E R	macrocarpum (DC.) Boiss. [France]	
69BL00324	I G	spinosum (L.) Boiss.	
		Schivereckia	
85BL00242	G	spec.	

Brassicaceae

- Sinapis**
 79ZE00336 I G alba L.
 92ZE00472 E alba L. [Italy]
 54ZE02365 I G arvensis L.
 91ZE01619 G arvensis L.

- Smelowskia**
 87BL00340 E calycina C.A. Mey. [Tadzhikistan]

- Succowia**
 57ZE01428 I G balearica (L.) Medik.

- Thlaspi**
 64BL00332 I G alpestre L. subsp. alpestre
 90BL00516 E alpinum Crantz [Austria]
 84BL00311 E bellidifolium Griseb. [Bulgaria]
 83BL00143 E R montanum L. [France]
 90BL00621 E praecox Wulfen [Greece]
 88BL00231 E rotundifolium (L.) Gaud. [Switzerland]
 91BL01807 K rotundifolium (L.) Gaud.

- Winklera**
 89BL00043 E silaifolia [Tadzhikistan]

Bromeliaceae

- Abromeitiella**
 76GR00394 I G R brevifolia (Griseb.) Castell.

- Acanthostachys**
 78GR00308 I G strobilacea (Schult.f.) Klotzsch

- Aechmea**
 88GR00264 I E apocalypticum Reitz [St. Eustatius]
 90GR00249 I E aquilega (Salisb.) Griseb. var. aquilega [F.BI French Guiana]
 90GR00250 I E aquilega (Salisb.) Griseb. var. aquilega [F.BI French Guiana]
 68GR00110 I G bracteata (Sw.) Griseb.
 71GR00166 I G bromeliifolia (Rudge) Bak.
 79GR00188 I E bromeliifolia (Rudge) Bak. [MAAS 3550 Guyana]
 79GR00128 I G calyculata (E. Morr.) Bak.
 72GR00244 I G coelestis (K. Koch) E. Morr.
 73GR00139 I G distichantha Lem. var. distichantha
 78GR00344 I G fasciata (Lindl.) Bak.
 79GR00118 G 'Fosters's Favorite'
 78GR00327 I G gamosepala Wittm.

Bromeliaceae

- 79GR00130 I G gamosepala Wittm.
 90GR00441 G gigantea
 79GR00129 I G lindenii (E. Morr.) Bak. var. makoyana Mez
 68GR00098 G melinonii W.J. Hook.
 78GR00346 I G miniata (Beer) Hort. ex Bak. var. discolor (Beer) Beer ex Bak
 67GR00254 I E ornata Bak. var. ornata [JCL L5707 Brazil]
 70GR00052 I G penduliflora Andre
 73GR00399 I G pineliana (Brongn. ex Planch.) Bak.
 73GR00085 I G recurvata (Klotzsch) L.B. Sm. var. ortgiesii (Bak.) Reitz
 75GR00023 G spec.
 92GR00007 E spec. [Martinique]
 78GR00330 I G weilbachii Didr. var. weilbachii

Ananas

- 79GR00135 G comosus (L.) Merr.
 88GR00263 K comosus (L.) Merr.. cv.
 79GR00100 G comosus (L.) Merr. 'Variegatus'

Androlepis

- 79GR00101 G skinneri Brongn. ex Houlet

Araeococcus

- 73GR00111 G flagellifolius Harms

Billbergia

- 72GR00389 I G amoena (Lodd.) Lindl. var. amoena
 67GR00315 I G horrida Regel var. horrida
 73GR00195 I G iridifolia (Nees & Mart.) Lindl. var. iridifolia
 78GR00313 I G leptopoda L.B. Sm.
 79GR00141 I G nutans H.Wendl. ex Regel var. nutans
 78GR00316 I G nutans H.Wendl. ex Regel var. schimperana (Wittm. ex Bak.) Mez
 79GR00103 I G pyramidalis (Sims) Lindl. var. pyramidalis

Bromelia

- 79GR00227 E alta L.B.Sm. [MAAS Guyana]
 90GR00442 G pinguin L.

Canistrum

- 67GR00316 G cyathiforme (Vell.) Mez
 79GR00122 G lindenii (Regel) Mez var. lindenii

Catopsis

- 72GR00252 I G hahnii Bak.

Bromeliaceae

- Cryptanthus**
- 68GR00267 G acaulis (Lindl.) Beer var. acaulis
 68GR00265 G beuckeri E.Morr.
 77GR00152 G bivittatus (W.J.Hook.) Regel var. atropurpureus Mez
 77GR00150 G bivittatus (W.J.Hook.) Regel var. bivittatus
 74GR00726 G bromelioides Otto & A.Dietr. var. tricolor M.B.Foster
 74GR00727 G fosteranus L.B.Sm. 'Foster's Hybrid'
 68GR00264 G lacerdae Ant.
 74GR00723 G x osyanus Witte
 92GR00563 G pseudoscaposus L.B. Sm.
 74GR00724 G x rubescens hort.
 77GR00151 G sinuosus L.B.Sm.
 74GR00728 G zonatus (Vis.) Beer f. fuscus (Vis.) Mez
- x Cryptbergia**
- 79GR00106 G meadei hort.
- Deuterocohnia**
- 74GR00006 G longipetala (Bak.) Mez
- Disteganthus**
- 88GR00185 E basi-lateralis Lem. [FEUIL 09947 French Guiana]
- Dyckia**
- 76GR00214 I G brevifolia Bak.
 78GR00090 I G choristaminea Mez
 75GR00159 G remotiflora Otto & A. Dietr. var. remotiflora
 90GR00444 G velascana Mez
- Fascicularia**
- 73GR00735 I G pitcairniifolia (Verlot) Mez
- Fosterella**
- 79GR00117 I G penduliflora (C.H. Wright) L.B. Sm.
- Guzmania**
- 78GR00317 I G donnellsmithii Mez ex J.D.Sm.
 77GR00178 I E lingulata (L.) Mez s.l. [MAAS 2614 Guyana]
 88GR00032 I E lingulata (L.) Mez s.l. [RCK French Guiana]
 88GR00174 S E R rauhiana Luther [Ecuador]
- Hechtia**
- 76GR00215 I G epigyna Harms
- Neoregelia**
- 79GR00107 I G carolinae (Beer) L.B.Sm. f. carolinae
 78GR00319 I G spectabilis (T.Moore) L.B.Sm.

Bromeliaceae

- 78GR00335 I G tristis (Beer) L.B.Sm.
- Nidularium**
- 78GR00320 I G billbergioides (Schult.f.) L.B.Sm.
 79GR00126 I G burchellii (Bak.) Mez
 75GR00129 I G fulgens Lem.
 79GR00109 G innocentii Lem. var. lineatum (Mez) L.B.Sm.
 79GR00160 I G innocentii Lem. var. paxianum (Mez) L.B.Sm.
 79GR00161 G procerum Lindm. var. kermesianum (F.v.Muell. ex Mez) Reitz
- 78GR00339 I G procerum Lindm. var. procerum
 79GR00162 I G purpureum Beer var. purpureum
 77GR00102 I G scheremetiewii Regel
 72GR00237 G spec.
 73GR00339 G spec.
- Ochagavia**
- 72GR00050 I G I carnea (Beer) L.B.Sm. & Looser
- Pitcairnia**
- 68GR00083 I G R andreana Lindl.
 79GR00111 I G angustifolia Soland.
 75GR00177 I G flammea Lindl.
 91GR01703 U heterophylla (Lindl.) Beer
 67GR00091 I G imbricata (Brongn.) Regel
 79GR00140 I G integrifolia Ker-Gawl.
 78GR00341 I G macrochlamys Mez
 68GR00782 I G maidifolia (C.Morr.) Decne. ex Planch.
 72GR00253 I G punicea Scheidw.
 86GR00188 E spec. [Colombia]
 71GR00068 I G undulata Scheidw.
 67GR00077 I G R xanthocalyx Mart.
- Portea**
- 77GR00101 G kermesina Brongn. ex K.Koch
- Pseudananas**
- 79GR00115 G sagenarius (Arr.Cam.) Camargo
 79GR00127 G sagenarius (Arr.Cam.) Camargo
- Puya**
- 75GR00042 I G mirabilis (Mez) L.B.Sm.
 89GR00014 G mirabilis (Mez) L.B.Sm.
- Quesnelia**
- 79GR00163 I G humilis Mez
 73GR00739 I G liboniana (De Jonghe) Mez

Bromeliaceae

- 72GR00289 I G quesneliana (Brongn.) L.B.Sm.
- Tillandsia**
- 83GR00436 U aeranthos (Loisel.) L.B.Sm.
- 88GR00043 I E anceps Lodd. [RCK French Guiana]
- 88GR00051 I E anceps Lodd. [RCK French Guiana]
- 83GR00434 U argentea Griseb.
- 78GR00029 I E capillaris Ruiz & Pav. [C.GOUDA Peru]
- 78GR00230 I G capitata Griseb. var. capitata
- 83GR00429 U caput-medusae E.Morr.
- 78GR00229 E fasciculata Sw. var. fasciculata [Honduras]
- 78GR00225 E fasciculata Sw. var. rotundata L.B.Sm. [Honduras]
- 73GR00197 I E festucoides Brongn. ex Mez [WAL Guatemala]
- 83GR00430 U filifolia Schlechtend. & Cham.
- 84GR00061 E incarnata H.B.K. [Ecuador]
- 84GR00062 E incarnata H.B.K. [Ecuador]
- 73GR00185 I E insularis Mez var. latilamina Gilmartin [HVDW Galapagos
Isle.]
- 83GR00431 U ionantha Planch. var. ionantha
- 78GR00228 U juncea (Ruiz & Pav.) Poir.
- 83GR00433 U juncea (Ruiz & Pav.) Poir.
- 88GR00171 E latifolia Meyen [E.G. 009 Ecuador]
- 78GR00227 I G polystachia (L.) L.
- 80GR00130 I E pruinosa Sw. [V.RD. 84 Honduras]
- 87GR00282 I G pseudobaileya C.S. Gardner
- 73GR00097 I G punctulata Schlechtend. & Cham.
- 78GR00224 I E punctulata Schlechtend. & Cham. [Costa Rica]
- 83GR00435 U schiedeana Steud.
- 88GR00172 S E secunda H.B.K. [E.G. 011 Ecuador]
- 76GR00637 E spec. [Brazil]
- 76GR00638 E spec. [Brazil]
- 76GR00640 E spec. [Brazil]
- 76GR00641 E spec. [Brazil]
- 76GR00643 E spec. [Brazil]
- 76GR00644 E spec. [Brazil]
- 76GR00646 E spec. [Suriname]
- 78GR00012 E spec. [Peru]
- 78GR00015 E spec. [Peru]
- 78GR00017 E spec. [Peru]
- 10 of 18 accessions sharing this taxon are listed above
- 72GR00386 I G stricta Soland. ex Ker-Gawl. var. stricta
- 77GR00194 I G stricta Soland. ex Ker-Gawl. var. stricta
- 83GR00432 I U stricta Soland. ex Ker-Gawl. var. stricta
- 74GR00388 G tricholepis Bak.
- 75GR00116 I G tricholepis Bak.
- 88GR00055 E tricholepis Bak. [C.GOUDA Paraguay]
- 73GR00689 I G usneoides (L.) L.

Bromeliaceae

- 78GR00223 U valenzuelana A.Rich.
- Vriesea**
- 88GR00173 S E andreetae Rauh [E.G. Ecuador]
 73GR00391 G chrysostachys E.Morr.
 73GR00093 I G malzinei E.Morr.
 71GR00165 I G platynema Gaudich.
 78GR00324 I E splendens (Brongn.) Lem. [JCL Suriname]

- unknown**
- 67GR00229 E species 'BROMEL' [JCL 5400 Brazil]
 79GR00154 G species 'BROMEL'
 88GR00181 E species 'BROMEL' [French Guiana]
 88GR00183 E species 'BROMEL' [French Guiana]
 88GR00184 E species 'BROMEL' [French Guiana]
 88GR00188 E species 'BROMEL' [French Guiana]
 90GR00263 E species 'BROMEL' [H.- Costa Rica]
 91GR01892 E species 'BROMEL' [French Guiana]

Buddlejaceae

- Buddleja**
- 81RD00373 G alternifolia Maxim.
 91RD00885 K alternifolia Maxim.
 81RD00376 G davidii Franch. 'Border Beauty'
 74RD00072 I G davidii Franch. 'Fascinating'
 81RD00374 G davidii Franch. 'Fascinating'
 88RD00297 K davidii Franch. 'Fascinating'
 81RD00368 G davidii Franch. 'Ile De France'
 81RD00364 K davidii Franch. 'Nanho Blue'
 81RD00375 G davidii Franch. 'Opera'
 81RD00367 G davidii Franch. 'Orchid Beauty'
 88RD00296 K davidii Franch. 'Pink Delight'
 81RD00365 G davidii Franch. 'Royal Red'
 90RD00285 K davidii Franch. 'Summer Beauty'
 81RD00370 G davidii Franch. 'White Bouquet'
 81RD00371 G davidii Franch. 'White Cloud'
 81RD00369 G davidii Franch. 'White Profusion'
 78RD00247 G fallowiana Balf.f. & W.W.Sm.
 80RD00093 E globosa Hope [Chile]
 91RD00887 K globosa Hope
 91RD00771 E japonica Hemsl. [Japan]
 81RD00108 G nivea Duthie
 91RD00888 K x weyeriana Weyer 'Sungold'

Bursreraceae

Burseraceae

- 91GR01640 G **Bursera**
fagaroides (H.B.K.) Engl.
- Buxaceae**
- 00ZG00314 I G **Buxus**
microphylla Sieb. & Zucc. var. japonica (Muell.Arg.) Rehd.
& Wils.
- 00ZG01675 G sempervirens L. 'Argentea'
- 78RD01075 G sempervirens L. cv.
- 71RD00049 I G sempervirens L. 'Gold Tip'
- 71RD00084 I G sempervirens L. 'Gold Tip'
- 60RD00674 G sempervirens L. 'Handsworthensis'
- 79RD00636 G sempervirens L. var. sempervirens
- 79RD00638 G sempervirens L. 'Variegata'
- Pachysandra**
- 71RD00050 I G procumbens Michx.
- 76RD00168 G terminalis Sieb. & Zucc.
- 77RD00234 G terminalis Sieb. & Zucc. 'Variegata'
- Sarcococca**
- 79RD00057 G confusa Sealy
- 00ZG01032 G humilis (Rehd. & Wils.) Stapf ex Sealy
- 00ZG01050 G humilis (Rehd. & Wils.) Stapf ex Sealy
- 00ZG01051 G humilis (Rehd. & Wils.) Stapf ex Sealy
- 00ZG01052 G humilis (Rehd. & Wils.) Stapf ex Sealy
- 00ZG01053 G humilis (Rehd. & Wils.) Stapf ex Sealy
- 71RD00051 I G humilis (Rehd. & Wils.) Stapf ex Sealy
- 90RD00185 G ruscifolia Stapf
- Cactaceae**
- Acanthocalycium**
- 74GR00206 G violaceum (Werderm.) Bckbg.
- Aporocactus**
- 74GR00228 S G R flagelliformis (L.) Lem.
- Arequipa**
- 80GR00095 E rettigii (Quehl) Oehme [Peru]
- Astrophytum**
- 74GR00214 G V myriostigma Lem. var. myriostigma
- 74GR00209 G V myriostigma Lem. var. potosinum (Moell.) Krzgr.
- 74GR00202 G V ornatum (DC.) Web. ex Britt. & Rose var. ornatum

Cactaceae

- Cephalocereus**
 91GR01670 S G V senilis (Haw.) Pfeiff.
- Cereus**
 74GR00218 G alacriportanus Pfeiff.
 83GR00595 G chalybaeus Otto
 74GR00215 S G haageanus (Bckbg.) N.P. Taylor
 91GR01690 E hexagonus (L.) Miller [HTH Suriname]
 69GR00281 S E mortensenii (Croizat) Hunt & Taylor [VR&AK Venezuela]
 91GR01687 G spec.
 91GR01710 S G spgazzinii F.A.C. Weber 'Cristata'
 73GR00268 G uruguayanus Kiesling
 91GR01711 S G uruguayanus Kiesling 'Monstrosus'
- Cleistocactus**
 74GR00226 S G icosagonus (Kunth) F.A.C. Weber ex Roland-Goss.
 73GR00252 I G strausii (Heese) Bckbg.
 74GR00257 G tupizensis (Vaup.) Bckbg.
- Copiapoa**
 86GR01243 E cinerea (Phil.) Britt. & Rose var. cinerea [Peru]
 86GR01238 E echinoides (Lem.) Britt. & Rose [Peru]
 91GR01678 S G E humilis (Philippi) P. Hutchison
 86GR01237 E spec. [Peru]
 86GR01239 E spec. [Peru]
 86GR01241 E spec. [Peru]
 86GR01244 E spec. [Peru]
 86GR01245 E spec. [Peru]
 86GR01247 E spec. [Peru]
 86GR01248 E spec. [Peru]
- Coryphantha**
 91GR01669 G spec.
- Denmoza**
 74GR00271 G erythrocephala (K. Schum.) Berger
 74GR00238 G rhodacantha (Salm-Dyck) Britt. & Rose
- Echinocactus**
 74GR00147 S G E grusonii Hildm.
 74GR00148 G V platyacanthus Link & Otto
 74GR00181 G V platyacanthus Link & Otto
- Echinocereus**
 74GR00151 S G V cinerascens (DC.) Lemaire
 74GR00149 G V viereckii Werderm.

Cactaceae

- Echinopsis**
- 74GR00270 G bruchii (Britt. & Rose) Castell. & Lelong
 74GR00178 G calochlora K. Schum.
 91GR01672 S G eyriesii (Turp.) Zucc.
 74GR00182 G leucantha (Gillies ex Salm-Dyck) Walp.
 74GR00179 G mamillosa Guerke
 67GR00561 G mamillosa Gürke var. kermesina (Krainz) Friedrich
 73GR00233 I G oxygona (Link) Zucc. ex Pfeiff. & Otto
 91GR01686 S G oxygona (Link) Zucc. ex Pfeiff. & Otto
 74GR00264 G schneideriana (Backbg.).....
 74GR00136 G spec.
 91GR01671 G spec.
 91GR01676 S G spec.
- Epiphyllum**
- 73GR00166 G I chrysocardium Alexander
 73GR00270 G 'Kaiser Wilhelm'
 90GR00410 S G oxypetalum (DC.) Haw.
- Erdisia**
- 73GR00235 G maxima Bckbg.
- Espostoa**
- 74GR00145 G blossfeldiorum (Werderm.) F. Buxb.
 74GR00234 G lanata (H.B.K.) Britt. & Rose
 74GR00261 E lanata (H.B.K.) Britt. & Rose [HUTCH 72 Peru]
 86GR01251 E lanata (H.B.K.) Britt. & Rose [Peru]
- Ferocactus**
- 74GR00190 G echidne (DC.) Britt. & Rose
 91GR01674 S G hamatacanthus (Mühlenpfordt) Britton & Rose
 74GR00189 G histrix (DC.) Linds.
 74GR00188 G pilosus (Gal. ex Salm-Dyck) Werderm.
 82GR00086 S E robustus (Link & Otto) Britt. & Rose [Mexico]
 74GR00192 S G K schwarzii G. Lindsay
 74GR00191 G townsendianus Britt. & Rose
- Gymnocalycium**
- 74GR00201 G saglionis (Cels) Britt. & Rose
 74GR00197 G tillianum Rausch
- Haageocereus**
- 86GR01250 E setosus (Akers) Bckbg. [Peru]
 74GR00241 E versicolor (Werderm. & Bckbg.) Bckbg. [HUTCH 66 Peru]
- Harrisia**
- 73GR00274 I G martinii (Labouret) Britt. & Rose

Cactaceae

Hatiora

- 92GR00568 G herminiae (Porto & Castell.) Bckbg.
 91GR01712 S G rosea (Lagerh.) Barthlott
 78GR00263 S G salicornioides (Haw.) Britt. & Rose var. gracilis (Web.)
 Bckbg.
 78GR00264 S G salicornioides (Haw.) Britt. & Rose var. salicornioides

Heliocereus

- 73GR00272 I G V speciosus (Cav.) Britt. & Rose

Hylocereus

- 80GR00159 E triangularis (L.) Britt. & Rose [STOFF Saba]
 81GR00026 G trigonus (Haw.) Saff. [VLG G198]
 73GR00285 G undatus (Haw.) Britt. & Rose

Jasminocereus

- 74GR00153 G R thouarsii (Web.) Bckbg. var. thouarsii

Lepismium

- 80GR00412 S G cruciforme (Vell.) Miq.
 80GR00417 S G cruciforme (Vell.) Miq.
 80GR00425 S G cruciforme (Vell.) Miq.
 80GR00438 S G houlettianum (Lem.) Barthlott
 80GR00420 S G lumbricoides Lem.
 81GR00214 S G lumbricoides Lem.

Leuchtenbergia

- 74GR00275 G V principis W.J.Hook.

Mammillaria

- 91GR01673 S G bocasana Poselger
 76GR00490 G I bombycina Quehl
 76GR00459 S G decipiens Scheidw.
 73GR00294 G elongata DC. var. elongata
 76GR00466 G fera-rubra Schmoll
 76GR00479 G gracilis Pfeiff. var. fragilis Berger
 76GR00471 S G kewensis Salm-Dyck
 76GR00486 S G V longimamma DC.
 76GR00480 S G magnimamma Haw.
 76GR00489 S G orcuttii Boed.
 76GR00482 G polythele Mart.
 76GR00481 G pseudoperbella Quehl
 91GR01682 G spec.
 76GR00462 I G woodsii Craig

Matucana

- 86GR01295 E aurantiaca (F. Vaupel) F. Buxb. [Peru]

Cactaceae

- 86GR01286 S E aureiflora F. Ritter [Peru]
 86GR01293 E celendinensis Ritt. [Peru]
 86GR01291 E comacephala Ritt. [Peru]
 86GR01289 E intertexta Ritt. [Peru]
 86GR01285 E krahnii (Donald) Bregman [Peru]
 86GR01287 E madisoniorum (Hutch.) G.D.Rowl. [Peru]
 86GR01290 E weberbaueri (Vaup.) Bckbg. [Peru]
- Melocactus**
 73GR00400 E jaramilloi Saravia & Hernandez [Colombia]
- Neobuxbaumia**
 74GR00167 G V euphorbioides (Haw.) F. Buxb.
 91GR01684 S G V euphorbioides (Haw.) F. Buxb.
 74GR00163 S G R polylopha (DC.) Bckbg.
- Nopalxochia**
 73GR00269 G V phyllanthoides (DC.) Britt. & Rose
- Opuntia**
 73GR00241 S G brasiliensis (Willd.) Haw.
 85GR00134 S N brasiliensis (Willd.) Haw. [E Brazil]
 74GR00219 G cochenillifera (L.) Mill.
 72ZS00043 G compressa (Salisb.) Macbride
 74GR00695 E R echios Howell var. echios [Galapagos Isls.]
 74GR00692 S E R echios Howell var. zacana (Howell) Anderson & Walkington
 [HVDW Galapagos Isls.]
 74GR00139 S G erectoclada Bckbg.
 74GR00121 G V microdasys (Lehm.) Pfeiff. var. albispina Fobe
 74GR00119 G microdasys (Lehm.) Pfeiff. var. microdasys
 74GR00174 S G ovata Pfeiff.
 74GR00140 S G pentlandii Salm-Dyck
 91GR01668 S G I phaeacantha Engelm.
 81GR00027 S E rubescens Salm-Dyck [VLG 234 St.Maarten]
 91GR01688 G spec.
 91GR01689 G spec.
 72GR00223 S G streptacantha Lem.
 91GR01681 S G subulata (Muehlenpf.) Engelm.
 74GR00104 S G subulata (Muehlenpf.) Engelm. 'Cristata'
 81GR00051 E triacantha (Willd.) Sw. [VLG 192 St.Maarten]
 74GR00106 S G tunicata (Lehm.) Link & Otto
- Oreocereus**
 74GR00133 G celsianus (Lem. ex Salm-Dyck) Riccob. var. celsianus
 74GR00160 S G doelzianus (Bckbg.) Borg
 74GR00161 G hendriksenianus Bckbg. var. densilanatus Rauh & Bckbg.
 74GR00162 E hendriksenianus Bckbg. var. hendriksenianus [HUTCH 71]

Cactaceae

Peru

- 74GR00144 G pseudofossulatus D. Hunt
 91GR01683 S G pseudofossulatus D. Hunt
 74GR00150 G trollii (Kupper) Bckbg.

Oroya

- 91GR01680 S G peruviana (K. Schum.) Britt. & Rose

Pachycereus

- 74GR00143 G marginatus (DC.) Britt. & Rose
 74GR00159 G schottii (Engelm.) D. Hunt

Parodia

- 74GR00237 G leninghausii (Schum.) F. Brandt
 91GR01677 S G rutilans (Daeniker & Krainz) N.P. Taylor
 91GR01685 S G scopa (Sprengel) N.P. Taylor

Pereskia

- 76GR00557 I G aculeata Miller
 76GR00558 I G aculeata Miller
 88GR00154 I G bleo (H.B.K.) DC.
 76GR00556 I G grandifolia Haw.
 91GR01891 G sacharosa Griseb.

Pilosocereus

- 81GR00025 E lanuginosus (L.) Byles & G.D. Rowley [VLG 197
St.Maarten]

Pseudorhipsalis

- 81GR00212 G alata (Sw.) Britt. & Rose
 80GR00430 G spec.

Rhipsalis

- 75GR00357 S E baccifera (J. Mill.) Stearn [JCL Suriname]
 80GR00414 S G baccifera (J. Mill.) Stearn
 80GR00433 S G baccifera (J. Mill.) Stearn
 81GR00215 S G baccifera (J. Mill.) Stearn
 81GR00220 S G cereoides (Bckbg. & Voll.) Castell.
 80GR00443 S G chrysoarpa Loefgr.
 81GR00211 S G clavata F.A.C. Weber
 80GR00440 S G crispata (Haw.) Pfeiffer
 81GR00216 S G dissimilis (Lindb.) K. Schum.
 80GR00448 S G elliptica Lindb.
 80GR00426 S G floccosa Salm-Dyck
 80GR00435 S G floccosa Salm-Dyck
 80GR00447 S U floccosa Salm-Dyck
 81GR00208 S G floccosa Salm-Dyck

Cactaceae

- 81GR00210 S G hadrosoma Loefgren
 80GR00421 S G megalantha Loefgren
 81GR00205 S G megalantha Loefgren
 80GR00413 S G mesembryanthoides Haw.
 80GR00418 S G neves-armondii K.Schum.
 80GR00410 S G pachyptera Pfeiff.
 80GR00432 S G paradoxa (Salm-Dyck) Salm-Dyck
 80GR00427 S G pentaptera Pfeiff.
 78GR00261 S G pilocarpa Löfgren
 81GR00218 S G pulvinigera G.A. Lindb.
 72GR00316 S E teres (Vell.) Steud. [JCL 9155 Brazil]
 80GR00436 G teres (Vell.) Steud.
 81GR00207 S G teres (Vell.) Steud.
 80GR00429 S G trigona Pfeiff.

Selenicereus

- 80GR00160 E grandiflorus (L.) Britt. & Rose [STOFF Saba]

Stenocactus

- 91GR01675 S E crispatus (DC.) Hill [Hidalgo]

Thelocactus

- 91GR01679 S G hexaedrophorus (Lem.) Britton & Rose
 74GR00193 G V rinconensis (Poselger) Britt. & Rose

Trichocereus

- 73GR00239 G manguinii Bckbg.

Weberbauerocereus

- 65GR00041 E fascicularis (Meyen) Bckbg. [HUTCH 72 Peru]

unknown

- 73GR00200 E species 'CACTAC' [Mexico]

Caesalpinaceae**Bauhinia**

- 85GR00038 I E macrostachya Benth. [MJJ 0151 Guyana]

Brownea

- 76GR00251 G coccinea Jacq.

Caesalpinia

- 92GR00518 G gilliesii (Wall. ex W.J. Hook.) Benth.

Cassia

- 69GR00021 I G bicapsularis L. var. pubescens Benth.

Caesalpinaceae

- 73GR00498 G laevigata Willd.
 91GR00582 E martiana [Brazil]
 91GR00585 E spectabilis [Brazil]

Ceratonia

- 75GR00303 I G siliqua L.

Cercis

- 77RD00165 E canadensis L. var. canadensis [Ontario]
 78RD00535 E canadensis L. var. canadensis [Ontario]
 60GR00164 I G siliquastrum L.
 88RD00113 K siliquastrum L.
 91RD00935 K siliquastrum L.

Gleditsia

- 87RD00274 E aquatica Marsh. [Missouri]
 00ZG01003 G caspica Desf.
 78RD00662 E caspica Desf. [Iran]
 82RD00322 E caspica Desf. [Iran]
 61RD01374 G japonica Miq.
 76RD00205 G koraiensis Nakai
 80RD00227 G sinensis Lam.
 60RD00656 I G triacanthos L.
 72RD00025 G triacanthos L.
 74RD00365 G triacanthos L.
 79RD00376 G triacanthos L. 'Elegantissima'
 88RD00271 K triacanthos L. 'Inermis'
 79RD00374 G triacanthos L. 'Shademaster'
 73RD00021 G triacanthos L. 'Skyline'
 79RD00375 G triacanthos L. 'Skyline'
 73RD00020 G triacanthos L. 'Sunburst'
 79RD00500 G triacanthos L. 'Sunburst'

Gymnocladus

- 60RD00668 G dioicus (L.) K.Koch
 72RD00026 G dioicus (L.) K.Koch
 76RD00012 G dioicus (L.) K.Koch
 76RD00167 I G dioicus (L.) K.Koch

Tamarindus

- 91GR01707 G indica L.

Calycanthaceae

Calycanthus

- 63RD00107 I G fertilis Walt.
 70RD00043 I G fertilis Walt.

Calycanthaceae

70RD00133	G	fertilis Walt.
00ZG00294	G	floridus L.
80RD00200	G	floridus L.
80RD00361	G	floridus L.
81RD00443	G	floridus L.
00ZG00293	G	floridus L. 'Purpureus'
00ZG01386	G	occidentalis W.J.Hook. & Arn.
61RD01019	I G	occidentalis W.J.Hook. & Arn.

Chimonanthus

88RD00188	G	praecox (L.) Link 'Grandiflorus'
80RD00365	G	praecox (L.) Link var. praecox
92RD00416	G	yunnanensis W.W. Sm.

Calyceraceae

Acicarpa

55ZE01000	I G	pinnatifida Miers
90GR00177	G	tribuloides Juss.

Campanulaceae

Adenophora

69BL00321	G	hakusanensis Nakai
83BL00191	E	remotiflora Miq. [Japan]
83BL00314	G	triphylla (Thunb.) A. DC. var. japonica (Regel) Hara

Asyneuma

83BL00272	I E	campanuloides (M.B.) Bornm. [Caucasus]
66BL00110	I G	canescens (Waldst. & Kit.) Griseb. & Schenk

Campanula

91BL00334	G	alaskana
71BL00101	I G	alliariifolia Willd.
71ZS00072	I G	alliariifolia Willd.
87BL00474	E	alpina Jacq. [Czechoslovakia]
82BL00345	E	barbata L. [Switzerland]
88BL00224	E	barbata L. [Switzerland]
90BL01220	G	barbata L.
75BL00038	G	bellidifolia Adams
83BL00274	G	betulifolia K.Koch
83BL00393	G	betulifolia K.Koch
84BL00507	G	betulifolia K.Koch
91BL01127	S	betulifolia K.Koch [Turkey (Asia Minor)]
90BL00193	E	bononiensis L. [Hungary]
90BL00194	E	bononiensis L. [Hungary]
71BL00102	I G	carpatica Jacq. var. turbinata (Sch., nym. & Ky.) Nichols.

Campanulaceae

- 83BL00392 G *carpatica* Jacq. var. *turbinata* (Sch., nym. & Ky.) Nichols.
 79BL00118 E *cervicaria* L. [France]
 64BL00024 I G *cochleariifolia* Lam.
 85BL00045 I E *cochleariifolia* Lam. [Switzerland]
 70BL00026 I G *collina* M.B.
 90BL00564 E R *elatinoides* [Italy]
 90BL00134 E *erinus* L. [France]
 84BL00546 G *excisa* Schleich. ex Murith
 71BL00365 I G R *fenestrellata* Feer
 87BL00517 E R *fenestrellata* Feer [Yugoslavia]
 90BL00070 G R *fenestrellata* Feer
 67BL00278 I E *glomerata* L. [Switzerland]
 91ZS00225 E *glomerata* L. [Austria]
 91ZS00456 E *glomerata* L. [E.Germany]
 66BL00118 G *glomerata* L. var. *pusilla* A.D.C.
 73ZS00053 I G *latifolia* L. var. *latifolia*
 87BL00233 E *latifolia* L. var. *latifolia* [W.Germany]
 87BL00304 E *latifolia* L. var. *latifolia* [Norway]
 87BL00214 G *latifolia* L. var. *macrantha* Sims
 73BL00122 I E *lyrata* Lam. [Turkey (Asia Minor)]
 90BL00605 G *marchesettii*
 70ZS00023 I G *medium* L. 'Medium'
 90ZE00366 E *medium* L. 'Medium' [Italy]
 71BL00308 I G *ochroleuca* (Kem.-Nath.) Kem.-Nath.
 91BL01112 S *ochroleuca* (Kem.-Nath.) Kem.-Nath.
 88BL00222 I E *patula* L. [W.Germany]
 88BL00399 E *patula* L. subsp. *costae* (Willk.) Fed. [Switzerland]
 86BL00215 E *persicifolia* L. subsp. *persicifolia* [W.Germany]
 90BL01186 K *piperi* Howell
 65BL00141 I G R *portenschlagiana* Schult.
 71BL00402 I G R *portenschlagiana* Schult.
 70BL00007 I G R *poscharskyana* Degen
 71BL00188 I G *poscharskyana* Degen 'Rosea'
 86BL00175 E *punctata* Lam. [Japan]
 86BL00433 I E *punctata* Lam. [W.E.R.G. Japan]
 87BL00239 G *punctata* Lam.
 87BL00421 E *punctata* Lam. [Japan]
 87BL00016 G *raddeana* Trautv.
 88BL00031 G *raddeana* Trautv.
 82BL00194 I E R *raineri* Perpentì [Italy]
 83BL00031 E R *raineri* Perpentì [Italy]
 83BL00157 I E R *raineri* Perpentì [Italy]
 71BL00061 I G *rapunculoides* L.
 91BL00201 E *rapunculoides* L. [Austria]
 91BL00312 E *rapunculoides* L. [E.Germany]
 91BL00322 E *rapunculoides* L. [Norway]
 85BL00126 I E *rhomboidalis* L. [Italy]

Campanulaceae

86BL00042	E	rhomboidalis L. [<u>Switzerland</u>]
86BL00342	I E	rhomboidalis L. [<u>Switzerland</u>]
71BL00306	I G	rotundifolia L.
71ZS00075	I G	rotundifolia L.
87BL00579	I G	rotundifolia L.
90BL00030	E	rotundifolia L. [<u>Norway</u>]
90BL00038	E	rotundifolia L. [<u>Finland</u>]
92ZS00302	E	rotundifolia L. [<u>Finland</u>]
90BL00523	E	rotundifolia L. subsp. gieseckiana (Vest.) Witasæk [<u>Sweden</u>]
90BL00367	E E	sabatia De Not. [<u>Italy</u>]
74BL00003	I G	sarmatica Ker-Gawl.
90BL00162	G R	sartorii Boiss. & Heldr.
87BL00497	G	saxifraga M.B.
90BL00011	G	saxifraga M.B.
90BL00148	G	saxifraga M.B.
91BL00202	E	scheuchzeri Vill. [<u>Austria</u>]
91BL00850	S	scheuchzeri Vill.
88BL00415	I E	sibirica L. [<u>Tauris Crimea</u>]
87BL00612	I E	sibirica L. subsp. taurica (Juz.) Fed. [<u>Tauris Crimea</u>]
90BL00772	E	spec. [SICH 184 <u>Sichuan</u>]
79BL00019	E	spicata L. [<u>Switzerland</u>]
85BL00118	E	tachasamense [B.&C. 92 <u>S.Korea</u>]
90BL00844	S	takesimana f. alba [B.E.C. 92 <u>S.Korea</u>]
90BL00853	S	thessala Maire [<u>Greece</u>]
87BL00323	G	thyrsoides L.
91BL00204	E	thyrsoides L. [<u>Austria</u>]
83BL00394	G	thyrsoides L. subsp. carniolica (Suenderm.) Podl.
87BL00556	S	thyrsoides L. subsp. carniolica (Suenderm.) Podl. [<u>Austria</u>]
78BL00058	E	topaliana Beauverd subsp. delphica Phitos [<u>Greece</u>]
85BL00004	G	trachelium L.
91BL00558	E	trachelium L. [<u>Switzerland</u>]
70BL00024	I G	trachelium L. subsp. trachelium
91ZS00226	E	trachelium L. subsp. trachelium [<u>Austria</u>]
91ZS00458	E	trachelium L. subsp. trachelium [<u>E.Germany</u>]
87BL00186	E	trichocalycina Ten. [<u>Albania</u>]
90BL01185	K	tridentata Schreb.
87BL00309	G	versicolor Andr.
87BL00557	S	versicolor Andr. [<u>Greece</u>]
65BL00023	I G	waldsteiniana Schult.
83BL00422	G	x wockei Suenderm. 'Puck'

Codonopsis

87BL00185	G	clematidea (Schrenk) C.B.Clarke
88BL00238	E	clematidea (Schrenk) C.B.Clarke
88BL00373	S	clematidea (Schrenk) C.B.Clarke [SEP 366 <u>Pakistan</u>]
90BL00085	G	clematidea (Schrenk) C.B.Clarke
87BL00155	E	lanceolata (Sieb. & Zucc.) Benth. & J.D.Hook. [<u>Japan</u>]

Campanulaceae

- 83BL00094 G meleagris Diels
 84BL00346 S obtusa Nannf. [Afghanistan]
 88BL00374 S ovata Benth. [Jammu & Kashmir]
 90BL00961 K ovata Benth.
 87BL00547 S subsimplex J.D.Hook. & Thoms.
 92BL00366 S ussuriensis (Trautv.) Hemsl.
 83BL00016 G viridiflora Maxim.
 91BL01128 S viridis Wall. [Bhutan]

Cyananthus

- 90BL00149 E lobatus Wall.
 88BL00376 G lobatus Wall. 'Giant Form'
 86BL00363 G microphyllus Edgew.
 86BL00445 G microphyllus Edgew.

Edraianthus

- 90BL00946 E graminifolius (L.) A. DC. [E.Germany]
 91BL00337 G kitaibelii (A. DC.) A. DC.
 83BL00284 G V pumilio (Portenschl.) A. DC.
 83BL00350 G V pumilio (Portenschl.) A. DC.
 92BL00867 G V pumilio (Portenschl.) A. DC.
 82BL00288 E serbicus Petr. [Bulgaria]
 69BL00079 I G tenuifolius (Waldst. & Kit.) A. DC.
 83BL00283 I E tenuifolius (Waldst. & Kit.) A. DC. [Alps]

Gadellia

- 81BL00209 I E lactiflora (M.B.) Schulkina [Caucasus]
 85BL00025 S lactiflora (M.B.) Schulkina [Turkey (Asia Minor)]
 90BL00603 G lactiflora (M.B.) Schulkina 'Alba'
 90BL00604 G lactiflora (M.B.) Schulkina 'Caerulea'

Hippobroma

- 88GR00136 I G longiflora (L.) G. Don

Isotoma

- 92GR00185 G axillaris Lindl.

Jasione

- 90BL00926 G crispa (Pourr.) Sampaio subsp. crispa
 91BL00578 E E heldreichii Boiss. & Orph. [T&H 78/3 Bulgaria]
 91ZS00653 I E montana L. [W.Germany]

Legousia

- 90ZE00491 I G hybrida (L.) Delarbre
 90ZE00153 I G speculum-veneris (L.) Chaix

Campanulaceae

		Lobelia	
89ZE00021	U	cardinalis L.	
91ZE00142	K	erinus L. cv.	
90ZS00383	K	fulgens Willd. "Queen Victoria"	
72ZE02170	I G	inflata L.	
88ZS00018	G	siphilitica L.	
		Musschia	
92GR00425	G R	aurea (L.f.) Dumort.	
		Ostrowskia	
90BL00361	G	magnifica Regel	
		Physoplexis	
83BL00113	E V	comosa (L.) Schur [Italy]	
87BL00609	G V	comosa (L.) Schur	
92BL00871	G V	comosa (L.) Schur	
		Phyteuma	
84BL00354	E	betonicifolium Vill. [Switzerland]	
84BL00115	E	charmellii Vill. [Spain]	
84BL00042	E	globulariifolium Sternb. & Hoppe [France]	
91BL00205	E	hemisphaericum L. [Austria]	
91BL00534	E	michelii All. [Switzerland]	
90BL00854	G	orbiculare L.	
91BL00207	E	ovatum Honck. [Austria]	
66BL00316	I G	scheuchzeri All.	
90BL00371	E	scorzonerifolium Vill. [Italy]	
91BL00601	E	sieberi Spreng. [Italy]	
88BL00230	E	spicatum L. [Switzerland]	
88BL00437	E	spicatum L. [E.Germany]	
91ZS00761	G	spicatum L. subsp. nigrum (F.W. Schmidt) Weeda	
71BL00289	G	vagneri Kerner	
		Platycodon	
69BL00409	I G	grandiflorum (Jacq.) A.D.C.	
86BL00200	E	grandiflorum (Jacq.) A.D.C. [S.Korea]	
82BL00099	I G	grandiflorum (Jacq.) A.D.C. 'Album Plenum'	
		Pratia	
67BL00065	I G	angulata (G.Forst.) J.D.Hook.	
		Symphandra	
87BL00397	G	armena (Stev.) A.D.C.	
66BL00036	I G R	hofmannii Pant.	
83BL00396	I G	repens R.A. Karpisonova	
64BL00225	I G K	wanneri (Roch.) Heuff.	

Campanulaceae

- 82BL00119 G K wanneri (Roch.) Heuff.
Trachelium
 92BL00865 G V asperuloides Boiss. & Orph.
 90BL01182 K jacquinii (Sieber) Boiss. subsp. rumelianum (Hampe) Tutin
Wahlenbergia
 91ZE00799 I E hederacea (L.) Reichb. [France]
 58ZE02196 I G lobelioides (L.f.) A.DC. subsp. lobelioides

Cannabaceae

- Cannabis**
 76ZE02102 G sativa L. subsp. sativa
Humulus
 75ZS00016 I G lupulus L.

Cannaceae

- Canna**
 75GR00069 E bangii Kraenzl. [PL Bolivia]
 74ZS00030 G cv.
 68GR00977 I G flaccida Salisb.
 70GR00087 I G glauca L.
 89GR00010 S E indica L. [WOLB 88-001 Nepal]
 89GR00092 S E indica L. [MJJ 1781 Guyana]
 75GR00005 E iridiflora Ruiz & Pav. [PL 4753 Peru]
 75GR00053 I E jaegeriana Urban [PL L5123 Peru]
 81GR00069 E liliiflora Warsc. ex Planch. [BECK 2186 Bolivia]
 74ZS00029 G 'Lucifer'
 76GR00106 I E paniculata Ruiz & Pav. [PLKENN N57 Peru]
 75GR00189 I S tuerckheimii Kraenzl. [PL 3767 Costa Rica]
 80GR00287 I E tuerckheimii Kraenzl. [MAAS 4796 Ecuador]

Capparaceae

- Capparis**
 68GR01007 G flexuosa Bl.
 65GR00004 I E odoratissima Jacq. [BRET T4390 Venezuela]
Cleome
 92ZE00429 G hassleriana Chodat 'Alba'
 91GR01779 G hirsuta Ruiz & Pav. ex DC.
 84ZE02506 K spinosa Jacq.
 57ZE00373 I G violacea L.

Capparaceae

- 67GR00058 G **Dactylaena**
micrantha Schrad. ex Schult.
- 68GR00385 G **Koerberlinia**
spinosa Zucc.
- 71ZE00309 I G **Polanisia**
dodecandra (L.) DC. var. trachysperma (Torr. & A.Gray)
Iltis
- 72GR00202 I G **Steriphoma**
cinnabarinum Gilg. ex Briquet
- 78GR00048 I G cinnabarinum Gilg. ex Briquet
- Caprifoliaceae**
- 92RD00713 K **Abelia**
x grandiflora (Rovelli ex Andre) Rehd.
- 76RD00233 E **Diervilla**
lonicera Mill. [Minnesota]
- 80RD00067 G rivularis Gatt.
- 67RD00019 I G sessilifolia Buckl.
- 76RD00017 G sessilifolia Buckl.
- 91RD00896 K sessilifolia Buckl.
- 00ZG01690 G x splendens (Carr.) Kirchn.
- 61RD00626 I G **Dipelta**
floribunda Maxim.
- 64RD00126 I G ventricosa Hemsl.
- 85RD00389 K V **Heptacodium**
miconioides Rehd.
- 70RD00061 I G R **Kolkwitzia**
amabilis Graebn.
- 91RD00903 K **Leycesteria**
formosa Wall.
- 77BL00281 G **Linnaea**
borealis L.
- 90BL00041 E borealis L. [Finland]
- 90BL01163 E borealis L. [Yukon]
- 65RD00208 I G **Lonicera**
alpigena L. subsp. alpigena

Caprifoliaceae

61RD00238	I E	alpigena L. subsp. pilosa Bolzon [W.Germany]
62RD00886	G	bracteolaris Boiss. & Buhse
91RD00905	K	x brownii (Regel) Carr. 'Punica'
61RD00938	E	caerulea L.
61RD01126	I E	caerulea L. [France]
75RD00040	G	caerulea L.
91RD00904	K	caprifolium L.
77RD00551	E	caucasica Pall. [Armenia]
63RD00117	G	chaetocarpa (Batal. ex Rehd.) Rehd.
62RD00639	I G	chrysantha Turcz.
62RD00671	I G	chrysantha Turcz.
63RD00294	I G	chrysantha Turcz.
63RD00064	G	conjugialis Kell.
62RD00094	G V	demissa Rehd.
79RD00525	G	fragrantissima Lindl. & Paxt.
00ZG01265	G	henryi Hemsl.
79RD00333	G	henryi Hemsl.
91RD00289	K	henryi Hemsl.
62RD00104	I G	hispida (Steph. ex Fisch.) Pall. ex Roem. & Schult.
76RD00211	G	insularis Nakai
77RD00104	G	japonica Thunb. 'Halliana'
78RD00570	S	japonica Thunb. var. japonica [Honshu]
91RD00922	K	korolkowii Stapf
60RD00028	I G	maackii (Rupr.) Maxim.
61RD01614	G	maximowiczii (Rupr. ex Maxim.) Rupr. ex Maxim.
77RD00052	E	microphylla Willd. ex Roem. & Schult. [Kazakhstan]
00ZG00885	G	morrowii A.Gray
61RD01221	E	nigra L.
77RD00072	E	nigra L. [Czechoslovakia]
80RD00584	G	nitida Wils. 'Baggesen's Gold'
91RD00291	K	nitida Wils. 'Maigrün'
80RD00080	E	periclymenum L. [Switzerland]
80RD00161	S	periclymenum L. [W.Germany]
91RD00916	K	periclymenum L.
60RD00005	I G	pileata Oliv.
91RD01004	K	pileata Oliv.
91RD00921	K	pileata Oliv. 'Mossgreen'
78RD00609	G	praeflorens Batal.
77RD00053	E	simulatrix Pojark. [Kazakhstan]
91RD01798	E	spec. [Canada]
74RD00231	G	tatarica L. 'Arnold Red'
64RD00145	I G	tatarica L.. cv.
76RD00079	I G	tatarica L.. cv.
64RD00044	I G	tatarica L. var. tatarica
77RD00054	E	tatarica L. var. tatarica
84RD00294	S	vesicaria Kom. [S.Korea]
80RD00032	E	xylosteum L. [W.Germany]

Caprifoliaceae

- 80RD00081 E xylosteum L. [Switzerland]
 80RD00158 E xylosteum L. [Yugoslavia]
 80RD00160 E xylosteum L. [Finland]
 80RD00239 E xylosteum L. [Finland]
- Sambucus**
 76RD00031 E canadensis L. [Canada]
 75ZS00041 I G ebulus L.
 80RD00315 E microbotrys Rydb. [California]
 91RD01373 E nigra L. [Utrecht]
 70RD00106 G nigra L. 'Aurea'
 91RD00909 K racemosa L.
- Symphoricarpos**
 71RD00063 I G x chenaultii Rehd.
 72RD00260 G x chenaultii Rehd. 'Hancock'
 75RD00029 G x chenaultii Rehd. 'Hancock'
 70RD00072 I G orbiculatus Moench
- Triosteum**
 64BL00067 I E erythrocarpum H.Sm. [China]
 69BL00388 I G perfoliatum L. var. aurantiacum (E.Bickn.) Wieg.
 87BL00551 G pinnatifidum Maxim.
 85BL00039 G rosthornii Diels & Graebn.
 88BL00252 G rosthornii Diels & Graebn.
- Viburnum**
 78RD00034 E acerifolium L. [Queensland]
 79RD00554 G x bodnantense Aberconway 'Dawn'
 92RD00489 K x bodnantense Aberconway 'Dawn'
 86RD00392 K buddleifolium C.H.Wright
 80RD00203 G V carlesii Hemsl.
 65RD00030 E cassinoides L.
 77RD00166 E cassinoides L. [Ontario]
 60RD00326 G corylifolium J.D.Hook. & Thoms.
 78RD01034 G davidii Franch.
 00ZG00119 G dentatum L. var. dentatum
 79RD00555 G dentatum L. var. dentatum
 80RD00556 G dilatatum Thunb. [A 2]
 79RD00556 G farreri Stearn
 78RD00764 G henryi Hemsl.
 86RD00383 K henryi Hemsl.
 61RD00396 G hupehense Rehd.
 00ZG00889 G lantana L.
 60RD00192 G lantana L.
 70RD00075 I G lantana L.
 61RD00289 G lentago L.

Caprifoliaceae

- 79RD00557 G *lentago* L. 'Pink Beauty'
 62RD00017 G *molle* Michx.
 60RD00068 G *opulus* L. var. *calvescens* (Rehd.) Hara
 86RD00308 K *opulus* L. 'Compactum'
 86RD00393 K *opulus* L. 'Compactum'
 86RD00394 K *opulus* L. 'Nanum'
 79RD00558 G *opulus* L. 'Notcutt'
 91RD00910 K *opulus* L. var. *opulus*
 00ZG00888 G *opulus* L. 'Roseum'
 91RD00911 K *opulus* L. 'Roseum'
 86RD00281 U *opulus* L. 'Xanthocarpum'
 79RD00559 G *plicatum* Thunb. 'Cascade'
 86RD00242 K *plicatum* Thunb. 'Cascade'
 79RD00560 G *plicatum* Thunb. 'Watanabe'
 86RD00312 K *prunifolium* L.
 87RD00186 G *prunifolium* L.
 85RD00386 K *x rhytidophylloides* Valcken. 'Dart's Duke'
 91RD00286 K *rhytidophyllum* Hemsl.
 84RD00439 E *sargentii* Koehne [B.E.C. 050 Cheju Do (Quelpaert Isl.)]
 80RD00555 E spec. [A 17 Kentucky]
 76GR00087 I G *tinus* L.
 91RD00285 K *tinus* L.
 61RD01441 I E *trilobum* H. Marsh. [Michigan]
 78RD00036 E *trilobum* H. Marsh. [Michigan]
 75RD00041 G *urceolatum* Sieb. & Zucc. var. *procumbens* Nakai
 62RD00628 G *veitchii* C.H. Wright

Weigela

- 60RD00319 G *florida* (Bunge) A. DC.
 61RD00097 G *florida* (Bunge) A. DC.
 88RD00088 E *hortensis* (Sieb. & Zucc.) K. Koch [Hokkaido]
 91RD00915 K *maximowiczii* (S. Moore) Rehd.
 70RD00064 I G *middendorffiana* (Carr.) K. Koch

Caricaceae

Carica

- 90GR00584 G *goudotiana* (Tr. & Planch.) Solms-Laub.
 73GR00692 I G R *papaya* L.
 90GR00695 G R *papaya* L.
 76GR00057 I G *quercifolia* (St. Hil.) Hieron.

Jacaratia

- 88GR00008 G *dolichaula* (J.D. Smith) Woodson

Caryophyllaceae

Caryophyllaceae

- Agrostemma**
 55ZE00876 I G githago L.
 91ZE01603 G githago L.
- Arenaria**
 87BL00217 I S aggregata (L.) Loisel. subsp. aggregata
 87BL00360 I E aggregata (L.) Loisel. subsp. aggregata [France]
 89BL00099 K balearica L.
 88BL00258 S blepharophylla Boiss. [RAUS 4598 Turkey (Asia Minor)]
 90BL00196 G blepharophylla var. parviflora
 90BL00889 G congesta
 83BL00163 I G dianthoides J.E.Sm.
 87BL00218 S dianthoides J.E.Sm.
 65BL00296 G R grandiflora L.
 91BL00338 G I kingii (Wats.) M.E.Jones
 86BL00201 I G longifolia Bieb.
 90BL00324 I G longifolia Bieb.
 87BL00442 I G montana
 90BL00002 E montana [France]
 90BL00522 E norvegica Gunn. [Norway]
 92BL00820 G obtusiloba (Rydb.) Fern.
 92BL00886 G obtusiloba (Rydb.) Fern.
 73BL00024 I G procera Spreng. subsp. glabra (F.N.Williams) Holub
 85BL00223 G tetraquetra L. var. granatensis Boiss.
- Cerastium**
 83BL00206 E alpinum L. [Spain]
 90BL00722 E alpinum L. [WOLB 90-013 Switzerland]
 91BL00323 E alpinum L. [Norway]
 83BL00164 S alpinum L. subsp. alpinum [Switzerland]
 72BL00206 V E boissieri Gren. [Spain]
 78BL00051 I E candidissimum Correns [Macedonia]
 62BL00009 I E carinthiacum Vest subsp. carinthiacum [Alps]
 90BL00054 S maximum L. [Asiatic Russia, Arctic Isls.]
 75BL00035 S moesiicum Friv.
 90BL00719 E spec. [WOLB 90-010 Switzerland]
 67BL00267 I G tomentosum L. var. tomentosum
 69BL00308 I G tomentosum L. var. tomentosum
 73ZS00052 I G tomentosum L. var. tomentosum
 83BL00069 E uniflorum Clairv. [Italy]
- Dianthus**
 91BL00208 E alpinus L. [Austria]
 90BL01151 K alpinus L. 'Drake's Red'
 89BL00159 K alpinus L. 'Joans Blood'
 82BL00048 I E amurensis Jacq. [E.Siberia]
 82BL00339 E amurensis Jacq. [Amoer Distr.]

Caryophyllaceae

- 92BL00284 E arenarius L. [Poland]
64BL00280 I E armeria L. subsp. armeria [Canada]
75BL00003 I E barbatus L. [Austria]
86BL00188 G barbatus L. subsp. compactus (Kit.) Heuff.
72ZS00033 G barbatus L. cv.
90BL01155 R callizonus Schott & Kotschy
77BL00296 I E carthusianorum L. [CYT 1738 Yugoslavia]
87BL00318 E carthusianorum L. [Poland]
87BL00361 I E carthusianorum L. [France]
87BL00558 I S carthusianorum L. [Andorra]
88BL00454 I E carthusianorum L. [Austria]
92ZS00131 S carthusianorum L. [E.Germany]
92ZS00157 E carthusianorum L. [E.Germany]
91BL01105 E carthusianorum L. var. humilis Griess. [Switzerland]
91BL00594 E carthusianorum L. subsp. vaginatus (Chaix) .. [Italy]
84BL00261 S collinus Waldst. & Kit. [Hungary]
91BL00479 E crinitus J.E. Sm. [Morocco]
84ZE02507 K deltoides L.
91BL00324 E deltoides L. [Norway]
91BL00633 E deltoides L. [E.Germany]
69BL00306 G deltoides L. 'Splendens'
87BL00450 I E diffusus Sibth. & Sm. [France]
87BL00545 S diutinus Kit. var. luxuriosus Nyar & Prod. ex Roumanie
91BL01808 K erinaceus Boiss. cv.
72BL00224 I E erinaceus Boiss. var. erinaceus [Turkey (Asia Minor)]
88BL00260 E ferrugineus Mill. s.l. [France]
73BL00028 I G V gallicus Pers.
76BL00052 I G giganteus Urv.
92BL00085 E R glacialis Haenke [Austria]
87BL00276 G R graniticus Jordan
69BL00064 I G I gratianopolitanus Vill.
89BL00157 K gratianopolitanus Vill. 'La Bourbrille'
88BL00143 G haematocalyx Boiss. & Heldr. subsp. pindicola (Vierh.) Hayek
87BL00515 E henteri Heuff. ex Griseb. & Schenk [Czechoslovakia]
83BL00090 I G R knappii (Pant.) Aschers. & Kanitz ex Borb.
91BL00209 E lumnitzeri Wiesb. [Austria]
91BL01115 S lumnitzeri Wiesb. [Austria]
91BL00480 I E lusitanus Brot. [Morocco]
81BL00232 E microlepis Boiss. [CYT T25225 Bulgaria]
84BL00461 G microlepis Boiss. 'Albus'
85BL00272 G microlepis Boiss. var. musalae
89BL00046 G monspessulanus L. subsp. monspessulanus
90BL00135 I E monspessulanus L. subsp. monspessulanus [France]
91BL00469 E monspessulanus L. subsp. monspessulanus [France]
90BL00012 I G monspessulanus L. subsp. sternbergii
89BL00072 G monspessulanus L. subsp. waldsteinii

Caryophyllaceae

88BL00147	S N	nitidus Waldst. & Kit. [Czechoslovakia]
88BL00316	E N	nitidus Waldst. & Kit. [Czechoslovakia]
88BL00438	E N	nitidus Waldst. & Kit. [Czechoslovakia]
86BL00061	S	pavonius Tausch [France]
86BL00523	I E	pavonius Tausch [France]
87BL00180	E	pavonius Tausch [France]
87BL00261	G	pavonius Tausch
88BL00300	E	pavonius Tausch [France]
69BL00512	I G	petraeus Waldst. & Kit. subsp. noeanus (Boiss.) Tutin
69BL00266	E	petraeus Waldst. & Kit. subsp. petraeus [Bulgaria]
79BL00240	E	petraeus Waldst. & Kit. subsp. petraeus [Bulgaria]
77BL00186	I E	plumarius L. [Czechoslovakia]
66BL00079	G	plumarius L. 'Duchess of Fife'
80BL00083	G	plumarius L. 'Maggie'
86BL00021	G	preobrazhenskii Klokov
87BL00219	I S	pyrenaicus Pourr. subsp. pyrenaicus
74BL00018	I E	seguieri Vill. subsp. seguieri [Alps]
86BL00192	I S	serotinus Waldst. & Kit.
87BL00601	I E	serotinus Waldst. & Kit. [Hungary]
87BL00698	E	spec. [Hungary]
78BL00122	E	spiculifolius Schur [Rumania]
84BL00312	E	strictus Banks & Soland. [Bulgaria]
87BL00422	I E	superbus L. var. longicalycinus (Maxim.) Williams [Japan]
65BL00464	I G	superbus L. subsp. superbus
91BL00634	E	superbus L. subsp. superbus [E.Germany]
75BL00019	G	sylvestris Wulf. subsp. sylvestris
91BL00470	E	sylvestris Wulf. subsp. sylvestris [Switzerland]
87BL00694	I E	versicolor Fish. ex Link [Tuvin Asiatic Rep.]

Gypsophila

90BL00291	G	aretioides Boiss.
86BL00163	K	aretioides Boiss. 'Caucasica'
86BL00325	E	cerastioides D.Don [SEP 240 Pakistan]
91BL01129	S	cerastioides D.Don [SEP 240 Pakistan]
91BL00598	E	fastigiata L. [Sweden]
91BL00629	E	fastigiata L. [Czechoslovakia]
91ZE01656	G	muralis L.
88BL00434	S	oldhamiana Miq. [S.Korea]
87BL00623	I E	patrinii Ser. var. patrinii [Altai]
83BL00207	I E	repens L. [France]
83BL00364	I E	repens L. [Italy]
72BL00236	I G	scorzonerifolia Ser.
71BL00210	I G	tenuifolia M.B. var. tenuifolia

Herniaria

65BL00618	I G	glabra L.
91ZE00680	I E	glabra L. [E.Germany]

Caryophyllaceae

- Honkenya**
 90BL00042 E peploides [Finland]
- Lychnia**
 91BL00325 E alpina L. [Norway]
 91BL00732 E alpina L. [Norway]
 74ZB00028 G x arkwrightii Heydt 'Vesuvius'
 82ZS00006 I G chalconica L.
 88ZS00031 I S coronaria (L.) Desr. [Bulgaria]
 90BL00013 I G coronaria (L.) Desr.
 91ZS01755 U flos-cuculi L.
 82BL00176 I E flos-jovis (L.) Desr. [Switzerland]
 73BL00164 G viscaria L. 'Plena'
 65BL00200 I G viscaria L. subsp. viscaria
 91ZS01916 U viscaria L. subsp. viscaria
 87BL00124 K wilfordii (Regel) Maxim.
- Minuartia**
 69BL00323 I G baldaccii (Hal.) Mattf.
 84BL00122 I G baldaccii (Hal.) Mattf.
 75BL00036 I S capillacea (All.) Graebn. [Switzerland]
 87BL00637 G circassica
 90BL00607 G graminifolia (Ard.) Jáv.
 87BL00520 E lineata Bornm. f. kashmirica [Pakistan]
 91BL00600 E mutabilis Schinz & Thell. ex Becherer [Italy]
 91BL00733 I E rubella (Wahlenb.) Hiern [Norway]
 84BL00539 G stellata (E.D.Clarke) Maire & Petitm.
- Moehringia**
 87BL00140 E trinervia (L.) Clairv. [Norway]
- Paronychia**
 87BL00364 E kapela (Hacq.) Kerner subsp. serpyllifolia (Chaix) Graebn. [Pyrenees]
- Petrocoptis**
 72BL00121 I G V grandiflora Rothm.
 91BL00854 I G V pardoi Pau
- Petrorhagia**
 90BL00937 E prolifera (L.) P.W. Ball & Heyw. [E.Germany]
 91BL00417 G saxifraga (L.) Link
 91BL00559 E saxifraga (L.) Link [Switzerland]
- Sagina**
 91BL00410 S saginoides (L.) Karst.

Caryophyllaceae

		Saponaria	
71BL00245	I G	caespitosa DC.	
92BL00802	G	lutea L.	
65BL00529	I G	ocymoides L.	
74ZS00036	I G	officinalis L.	
92ZS00297	E	officinalis L. [<u>E.Germany</u>]	
66BL00457	G	x olivana Wocke	
81BL00195	E	pumilio (L.) Fenzl ex A.Br. [<u>Austria</u>]	
69BL00357	V G	sicula Raf. subsp. stranjensis (Jordanov) Chater	
72BL00035	G	spec.	
89BL00024	E	spec. [<u>Andorra</u>]	
		Scleranthus	
86BL00195	I G	annuus L. subsp. annuus	
90BL00154	G	annuus L. subsp. annuus	
86BL00199	I E	perennis L. [<u>W.Germany</u>]	
		Silene	
83BL00059	E	acaulis (L.) Jacq. subsp. exscapa (All.) J.Braun [<u>Switzerland</u>]	
71BL00250	I G	alpestris Jacq.	
91BL00482	E	boryi Boiss. subsp. boryi [<u>Morocco</u>]	
82BL00138	E	ciliata Pourr. [<u>Pyrenees</u>]	
63ZE01436	I G	coeli-rosa (L.) Godr.	
90ZE00108	I E	dioica (L. emend. Mill.) Clairv. [<u>Finland</u>]	
91ZE01759	U	dioica (L. emend. Mill.) Clairv.	
69BL00265	I E	flavescens Waldst. & Kit. [<u>Yugoslavia</u>]	
91ZE00752	I E	gallica L. [<u>Italy</u>]	
87BL00521	E	gonosperma (Rupr.) Bocq. subsp. himalayensis (Rohrb.) Bocq. [<u>Pakistan</u>]	
67BL00067	I G	hayekiana Hand.-Mazz. & Janchen	
74BL00045	I G	italica (L.) Pers. subsp. italica	
90BL00167	I G	keiskei var. akaishialpinum Yamaz.	
78BL00183	I S	multicaulis Guss. [<u>Italy</u>]	
91ZE01293	E	noctiflora L. [<u>E.Germany</u>]	
92ZE00172	I E	noctiflora L. [<u>France</u>]	
90ZS00624	E	nutans L. [<u>Austria</u>]	
91ZS00696	I E	nutans L. [<u>Switzerland</u>]	
90ZS00951	I E	otites (L.) Wibel [<u>E.Germany</u>]	
77BL00299	E	pusilla Waldst. & Kit. [CYT 1742 <u>Yugoslavia</u>]	
84BL00124	I G	quadridentata (Murr.) Pers.	
91BL00735	E	rupestris L. [<u>Norway</u>]	
65BL00171	V G	saxifraga L.	
88BL00026	V G	saxifraga L.	
83BL00167	S	schafta S.G.Gmel. ex Hohen. [<u>Iran</u>]	
71BL00251	I G R	schmuckeri Wettst.	
77BL00291	V E	sendtneri Boiss. [CYT 1731 <u>Yugoslavia</u>]	

Caryophyllaceae

- 92BL00212 E suksdorfii Robins. [Oregon]
 92BL00201 E tatarica (L.) Pers. [Finland]
 69BL00245 I G vallesia L. subsp. vallesia
 87BL00053 E vulgaris (Moench) Garcke subsp. maritima (With.) A. & D. Loeve [Finland]
 87BL00451 I E vulgaris (Moench) Garcke subsp. maritima (With.) A. & D. Loeve [France]
 88BL00198 E vulgaris (Moench) Garcke subsp. maritima (With.) A. & D. Loeve [Finland]
 89BL00146 E waldsteiniana [Afghanistan]
 65BL00191 I G R zawadskii Herbich.

Spergula

- 91ZE01597 G morisonii Boreau

Stellaria

- 92BL00421 S yunnanensis Franch. [Yunnan]

Vaccaria

- 76ZE02125 I G hispanica (Miller) Rauschert
 91ZE01601 G hispanica (Miller) Rauschert

Casuarinaceae

Casuarina

- 75GR00208 G cunninghamiana Miq.
 73GR00490 G equisetifolia L.

Cecropiaceae

Cecropia

- 81GR00042 S E angustifolia Trécul [BG 1279 Ecuador]
 73GR00357 I E concolor Willd. [BG 0246 Brazil]
 80GR00110 S E engleriana Snethlage [BG 1104 Ecuador]
 80GR00115 S E ficifolia Snethl. [BG 1089 Ecuador]
 80GR00170 S E ficifolia Snethl. [MAAS 4551 Peru]
 80GR00111 S E glaziovi Snethl. [BG 1136 Brazil]
 80GR00117 S G glaziovi Snethl. [BG]
 80GR00118 S E glaziovi Snethl. [BG 1146 Brazil]
 80GR00119 S E hololeuca Miq. [BG 1142 Brazil]
 80GR00116 S E litoralis Snethlage [BG 1046 Ecuador]
 77GR00216 E obtusa Trécul [BG 0585 Para]
 80GR00112 S E pachystachya Trécul [BG 1135 Brazil]
 79GR00257 E peltata L. [BG Greater Antilles]
 84GR00468 S E schreberiana Miq. [BG 1533 Puerto Rico]
 84GR00278 E spec. [MAAS 5983 Peru]
 90GR00486 E spec. [MAAS Cuba]

Cecropiaceae

73GR00556	I E	Coussapoa
		angustifolia Aubl. [BG <u>Suriname</u>]
76GR00622	I E	latifolia Aubl. [L&HAAS 7 <u>Suriname</u>]
73GR00438	I E	orthoneura Standl. [BG 18S <u>Brazil</u>]
81GR00038	I E	villosa Poepp. & Endl. [BG 1222 <u>Ecuador</u>]

Celastraceae

		Catha
73GR00451	I G	cassinoides (L'Herit.) Webb & Berth.
75GR00307	G	edulis (Vahl) Forssk. ex Endl.

		Celastrus
65RD00150	G	dependens Wall.
62RD00121	I G	orbiculatus Thunb.
71RD00044	I G	orbiculatus Thunb.
71RD00045	I G	scandens L.
80RD00599	G	scandens L.

		Elaeodendron
73GR00544	G	capense Eckl. & Zeyh.

EUONYMUS

Introduction

Euonymus is a large genus with a distribution area covering almost the entire Northern Hemisphere and via Indonesia into Northern Australia. Up to now, no satisfactory monographic study has been conducted on the genus. The species number is probably less than 100, much less than is cited in literature (Willis 1980), of which 25 species at the most are hardy in the Dutch climate.

There are many problems regarding correct nomenclature and cultivation. The genus has no hybrid species; however, there are gaps in the knowledge of generative reproduction. The fickle or sparse-fruited specimens in collections have led to a limited cultivation of just a few species. A certain number of richly fruiting specimens of *Euonymus europaeus* and *Euonymus hamiltonianus* have been mass-reproduced from seed to acquire more data about the fruiting ability and generative reproduction. Some richly fruiting specimens have been offered to a few nurseries to test this ability in cultivation.

Aims

- 1 Building up a reference collection by taxonomic study of the genus and especially the hardy species and species-complexes.
- 2 Enlarging the number of species and the genetic diversity of *Euonymus* in cultivation.
- 3 Studying of the generative phase and the fruiting capacity, as well as testing the possibility of hybridization.

Programme

Introduction of hardy species on a large scale, studying cultivated plants for their fruit-bearing possibilities and selecting the specimens that are bountiful fruit-bearers. The seedlings of most of the species start producing fruits at three to five years of age. This makes it possible to generatively reproduce seed samples that render only one or a few seedlings.

Study of herbarium collections (Kew and Edinburgh) has led to a number of hypotheses about the species circumscription that will be tested on living material. The herbarium studies will be continued.

Location

The collection is located at the Von Gimborn Arboretum. Several species can be found in Fort Hoofddijk.

Cooperation

To achieve a good insight in the species-complexes, morphological studies are insufficient, and chemo-taxonomic information should be included in the evaluation. Cooperation with institutes (considering) working on the chemo-taxonomy of *Euonymus* is under consideration.

Suitability testing for cultivation: Darthuizer Boomkwekerijen (Leersum). This nursery is amongst others specialized in *Euonymus*;

Other collections: Botanic Gardens, Agricultural University of Wageningen.

Publications

Ilsink et al. 1985; 1986.

78RD00631 S **Euonymus**
alatus (Thunb.) Sieb. var. alatus [Asiatic Russia, Arctic]

Celastraceae

		<u>Isls.]</u>	
79RD00117	G	alatus (Thunb.) Sieb. var. alatus	
80RD00510	E	alatus (Thunb.) Sieb. var. alatus	[Honshu]
81RD00141	E	alatus (Thunb.) Sieb. var. alatus	[S.Korea]
83RD00232	E	alatus (Thunb.) Sieb. var. alatus	[Primorsk Terr.]
84RD00431	U	alatus (Thunb.) Sieb. var. alatus	
86RD00677	K	alatus (Thunb.) Sieb. var. alatus	
89RD00074	U	alatus (Thunb.) Sieb. var. alatus	
70RD00201	I G	alatus (Thunb.) Sieb. var. apterus	Regel
78RD00571	E	alatus (Thunb.) Sieb. f. ciliatodentatus	Hiyama [Honshu]
87RD00121	G	alatus (Thunb.) Sieb. var. microphyllus	Nakai
81RD00185	E	alatus (Thunb.) Sieb. f. subtriflorus (Bl.) Ohwi	[Honshu]
80RD00469	E	atropurpureus Jacq.	[Kentucky]
82RD00019	E	atropurpureus Jacq.	[Ontario]
82RD00316	E	atropurpureus Jacq.	[Maryland]
84RD00069	E	atropurpureus Jacq.	[Ontario]
86RD00214	E	atropurpureus Jacq.	[Ontario]
79RD00011	G	bungeanus Maxim. var. bungeanus	
80RD00222	G	bungeanus Maxim. var. bungeanus	
80RD00518	U	bungeanus Maxim. var. bungeanus	
84RD00258	S	bungeanus Maxim. var. bungeanus	[China]
60RD00686	G	bungeanus Maxim. var. semipersistens (Rehd.) Schneid.	
86RD00313	G	carnosus Hemsl.	
86RD00328	K	echinatus Wall.	
88RD00259	E	echinatus Wall. [SCHLL 2625	Nepal]
80RD00011	E	europaeus L.	[France]
80RD00033	E	europaeus L.	[W.Germany]
80RD00192	E	europaeus L.	[Poland]
80RD00194	E	europaeus L.	[Poland]
80RD00384	E	europaeus L.	[Czechoslovakia]
84RD00115	E	europaeus L.	[Belgium]
84RD00117	E	europaeus L.	[Belgium]
84RD00122	E	europaeus L.	[Sweden]
84RD00124	E	europaeus L.	[Sweden]
84RD00125	E	europaeus L.	[Sweden]
10 of 35 accessions sharing this taxon are listed above			
00ZG01795	G	europaeus L. 'Atrorubens'	
91RD01553	K	europaeus L. 'Aucubilobius'	
86RD00678	K	europaeus L. 'Aurea'	
00ZG01753	G	europaeus L. 'Red Cascade'	
85RD00387	K	europaeus L. 'Scarlet Wonder'	
00ZG01714	G	fortunei (Turcz.) Hand.-Mazz. 'Dart's Cardinal'	
00ZG01723	G	fortunei (Turcz.) Hand.-Mazz. 'Emerald Gaiety'	
91RD01216	K	fortunei (Turcz.) Hand.-Mazz. 'Golden Spot'	
66RD00155	G	fortunei (Turcz.) Hand.-Mazz. 'Kewensis'	
65RD00283	G	fortunei (Turcz.) Hand.-Mazz. 'Minimus'	
71RD00042	G	fortunei (Turcz.) Hand.-Mazz. 'Minimus'	

Celastraceae

- 60RD00193 I G fortunei (Turcz.) Hand.-Mazz. var. radicans (-) Rehd.
 00ZG01670 G fortunei (Turcz.) Hand.-Mazz. 'Vegetus'
 86RD00314 K grandiflorus Wall. ex Roxb. f. salicifolius Stapf & Ballard
 91RD01404 K grandiflorus Wall. ex Roxb. f. salicifolius Stapf & Ballard
 86RD00211 E hamiltonianus Wall. var. hamiltonianus [GUIZ 109 Guizhou]
 78RD00258 G hamiltonianus Wall. var. hians (Koehne) Blakel.
 82RD00171 S hamiltonianus Wall. var. hians (Koehne) Blakel. [Sakhalin]
 83RD00191 E hamiltonianus Wall. var. hians (Koehne) Blakel. [Kurile Isls.]
 85RD00222 S hamiltonianus Wall. var. hians (Koehne) Blakel. [Sakhalin]
 88RD00324 G hamiltonianus Wall. var. hians (Koehne) Blakel.
 60RD00024 G hamiltonianus Wall. var. maackii (Rupr.) Komar.
 61RD01090 I G hamiltonianus Wall. var. maackii (Rupr.) Komar.
 79RD00490 G hamiltonianus Wall. var. maackii (Rupr.) Komar.
 84RD00173 G hamiltonianus Wall. var. maackii (Rupr.) Komar.
 88RD00189 E hamiltonianus Wall. var. maackii (Rupr.) Komar. [China]
 79RD00086 E hamiltonianus Wall. var. nikoensis (Nakai) Blakel. [Japan]
 60RD00314 G hamiltonianus Wall. var. semiexsertus (Koehne) Blakel.
 79RD00193 G hamiltonianus Wall. var. semiexsertus (Koehne) Blakel.
 78RD00285 E hamiltonianus Wall. var. sieboldianus (Bl.) Komar. [Honshu]
 83RD00211 E hamiltonianus Wall. var. sieboldianus (Bl.) Komar. [S.Korea]
 83RD00249 E hamiltonianus Wall. var. sieboldianus (Bl.) Komar. [Japan]
 84RD00192 E hamiltonianus Wall. var. sieboldianus (Bl.) Komar. [Japan]
 85RD00186 E hamiltonianus Wall. var. sieboldianus (Bl.) Komar. [S.Korea]
 84RD00129 G hamiltonianus Wall. var. yedoensis (Koehne) Blakel.
 88RD00119 K kiautschovicus Loes. 'Manhattan'
 73RD00050 G V latifolius (L.) Mill.
 80RD00196 E V latifolius (L.) Mill. [Italy]
 84RD00118 E V latifolius (L.) Mill. [Belgium]
 86RD00336 I K V latifolius (L.) Mill.
 89RD00028 G V latifolius (L.) Mill.
 90RD00204 K V latifolius (L.) Mill.
 73GR00486 I G lucidus D. Don
 61RD00656 G macropterus Rupr.
 81RD00124 E macropterus Rupr. [Honshu]
 86RD00320 G macropterus Rupr.
 87RD00088 E macropterus Rupr. [Honshu]
 90RD00206 K macropterus Rupr.
 84RD00199 G maximowiczianus (Prokh.) Vorosh.
 63RD00442 I G myrianthus Hemsl.
 71RD00040 I G K nanus M.B. var. nanus
 76RD00065 I G K nanus M.B. var. nanus
 80RD00010 G K nanus M.B. var. nanus

Celastraceae

86RD00229	G K	nanus M.B. var. nanus
78RD00259	G I	nanus M.B. var. turcestanicus (Dieck) Krischt.
78RD00547	E I	nanus M.B. var. turcestanicus (Dieck) Krischt. [Kirgiziya]
81RD00037	G I	nanus M.B. var. turcestanicus (Dieck) Krischt.
71RD00043	I G	obovatus Nutt.
86RD00311	K	oresbius W.W.Sm.
88RD00009	G	oresbius W.W.Sm.
80RD00178	E	oxyphyllus Miq. [Honshu]
80RD00511	E	oxyphyllus Miq. [Honshu]
84RD00052	E	oxyphyllus Miq. [Japan]
87RD00089	E	oxyphyllus Miq. [Honshu]
87RD00223	E	oxyphyllus Miq. [S.Korea]
88RD00157	E	oxyphyllus Miq. [Honshu]
89RD00041	E	oxyphyllus Miq. [Japan]
89RD00043	E	oxyphyllus Miq. [Japan]
89RD00058	E	oxyphyllus Miq. [Japan]

9 of 12 accessions sharing this taxon are listed above

87RD00168	E	pauciflorus Maxim. [Primorsk Terr.]
87RD00240	S	pauciflorus Maxim.
00ZG01513	I G	phellomanus Loes. ex Diels
00ZG01747	G	phellomanus Loes. ex Diels
67RD00022	G	phellomanus Loes. ex Diels
60RD00006	I G	planipes (Koehne) Koehne
78RD00958	G	planipes (Koehne) Koehne
84RD00107	G	przewalskii Maxim.
91RD01554	G	sachalinensis (Fr.Schmidt) Maxim.
88RD00325	G	sanguineus Loes. ex Diels
90RD00207	K	sanguineus Loes. ex Diels
79RD00015	S	spec. [Nepal]
86RD00209	E	spec. [GUIZ 138 Guizhou]
86RD00215	E	tingens Wall. [DUPU 542 Uttar Pradesh]
86RD00326	K	tingens Wall.
88RD00258	S	vagens Wall. [LANC 551]
80RD00322	I E I	velutinus (C.A.Mey.) Fisch. & Mey. [F&S 374 Iran]
61RD00994	I E	verrucosus Scop. [Czechoslovakia]
80RD00193	E	verrucosus Scop. [Poland]
84RD00074	E	verrucosus Scop. [Poland]
84RD00158	E	verrucosus Scop. [Czechoslovakia]
84RD00164	E	verrucosus Scop. [Hungary]
85RD00156	E	verrucosus Scop. [Austria]
85RD00194	E	verrucosus Scop. [Hungary]
85RD00201	E	verrucosus Scop. [Poland]
85RD00219	E	verrucosus Scop. [Hungary]
87RD00141	E	verrucosus Scop. [Czechoslovakia]

10 of 17 accessions sharing this taxon are listed above

Celastraceae

86RD00327 K **Gymnosporia**
wallichiana C.Spreng. ex Laws.

66GR01605 E **Maytenus**
ilicifolia Mart. [JCL Brazil]

87GR00268 S E **Prionostemma**
aspera (Lam.) Miers [MJJ 1078 Guyana]

77RD00067 U **Tripterygium**
regelii Sprague & Takeda
77RD00142 I E regelii Sprague & Takeda [Switzerland]

Cephalotaxaceae

Cephalotaxus

60RD00780 G fortunei W.J. Hook.
63RD00421 G fortunei W.J. Hook.
61RD01654 G harringtonia (Knight ex Forb.) K. Koch var. drupacea
(Sieb. & Zucc.) Koidz.
00ZG00214 G harringtonia (Knight & Forb.) K. Koch 'Fastigiata'
00ZG02078 G harringtonia (Knight & Forb.) K. Koch 'Fastigiata'
00ZG03278 G harringtonia (Knight & Forb.) K. Koch 'Fastigiata'
00ZG03280 G harringtonia (Knight & Forb.) K. Koch 'Fastigiata'
86RD00688 I G harringtonia (Knight ex Forb.) K. Koch 'Gimborn's Pillow'
00ZG02125 G harringtonia (Knight & Forb.) K. Koch var. harringtonia
00ZG03279 G harringtonia (Knight & Forb.) K. Koch var. harringtonia
63RD00400 G harringtonia (Knight & Forb.) K. Koch var. harringtonia
78RD00655 G harringtonia (Knight ex Forb.) K. Koch var. nana (Nakai)
Rehd
80RD00151 G harringtonia (Knight ex Forb.) K. Koch var. nana (Nakai)
Rehd
78RD00040 G sinensis (Rehd. & Wils.) Li

Cercidiphyllaceae

Cercidiphyllum

00ZG00144 G japonicum Sieb. & Zucc.
00ZG01393 G japonicum Sieb. & Zucc.
61RD01373 G japonicum Sieb. & Zucc.
70RD00045 G japonicum Sieb. & Zucc.
74RD00134 G japonicum Sieb. & Zucc.
74RD00386 I G japonicum Sieb. & Zucc.
74RD00493 I G japonicum Sieb. & Zucc.
90RD00220 K japonicum Sieb. & Zucc.
74RD00016 G magnificum (Nakai) Nakai
79RD00207 G magnificum (Nakai) Nakai

Cercidiphyllaceae

- 88RD00067 G magnificum (Nakai) Nakai
 90RD00221 K magnificum (Nakai) Nakai

Chenopodiaceae

- Arthrophytum**
 78RD01025 E spec. [Uzbekistan]
- Chenopodium**
 92ZE00162 E album L. [E.Germany]
 92ZE00281 E album L. [E.Germany]
 53ZE00962 I G ambrosioides L. var. ambrosioides
 75ZS00015 I G bonus-henricus L.
 92ZS00174 E bonus-henricus L. [Switzerland]
 92ZS00445 G bonus-henricus L.
 56ZE02189 I G foliosum Aschers.
 53ZE00824 I G polyspermum L.
 92ZE00288 E polyspermum L. [E.Germany]
 57ZE00821 I G schraderianum Roem. & Schult.

Chrysobalanaceae

Cistaceae

- Cistus**
 76GR00576 I G incanus L. subsp. incanus
- x Halimocistus**
 92BL00734 K sahuicii (Coste & Soulie) Janch.
- Halimium**
 91GR00533 E commutatum Pau [Spain]
 91GR00755 E halimifolium (L.) Willk. subsp. multiflorum (Dunal) Maire
 [Portugal]
- Helianthemum**
 66BL00031 I G apenninum (L.) Mill.
 86BL00214 S canum (L.) Baumg. [RA/RO 5053]
 86BL00221 E canum (L.) Baumg. [Tauris Crimea]
 75BL00124 G 'Cerise Queen'
 86BL00313 G cinereum (Cav.) Pers.
 92BL00731 K 'Elfenbeinglanz'
 66BL00083 G 'Golden Queen'
 75BL00128 G 'Lawrenson's Pink'
 62ZE02137 I E ledifolium (L.) P.Mill. [EAM Spain]
 92BL00732 K 'Luise Reuss'
 69BL00343 I G lunulatum (All.) DC.

Cistaceae

- 92BL00733 K lunulatum (All.) DC.
 88BL00227 E nummularium (L.) Mill. subsp. nummularium [Switzerland]
 88BL00264 S nummularium (L.) Mill. subsp. nummularium [BHH&R 512
 Greece]
 90BL00136 E nummularium (L.) Mill. subsp. nummularium [France]
 86BL00309 E nummularium (L.) Mill. subsp. obscurum (Celak.) Holub
 [Hungary]
 87BL00232 S nummularium (L.) Mill. subsp. obscurum (Celak.) Holub
 87BL00348 E nummularium (L.) Mill. subsp. obscurum (Celak.) Holub
 [Hungary]
 87BL00365 E nummularium (L.) Mill. subsp. obscurum (Celak.) Holub
 [Belgium]
 75BL00122 G nummularium (L.) Mill. 'Rubroplenum'
 64BL00084 I G oelandicum (L.) DC. subsp. alpestre (Jacq.) Breistr.
 71BL00214 I G pilosum (L.) Pers.
 75BL00123 G 'Salmonea'
 92BL00729 K 'Snow Queen'
 92BL00735 K 'Sudbury Gem'
 92BL00730 K 'Wisley Primrose'

Tuberaria

- 66ZE02115 I E guttata (L.) Fourr. [EAM Spain]

Clethraceae

Clethra

- 00ZG03415 G alnifolia L.
 61RD00155 I G alnifolia L.
 62RD00340 I G alnifolia L.
 79RD00169 G alnifolia L.
 79RD00258 E alnifolia L. [Maryland]
 79RD00469 G alnifolia L.
 88RD00114 K alnifolia L. 'Paniculata'
 79RD00470 G alnifolia L. 'Pink Spire'
 88RD00115 K alnifolia L. 'Pink Spire'
 86RD00390 K alnifolia L. 'Rosea'
 75GR00274 I G arborea Ait.
 76RD00296 I G barbinervis Sieb. & Zucc.
 79RD00471 G barbinervis Sieb. & Zucc.
 80RD00209 G barbinervis Sieb. & Zucc.
 78RD00156 G delavayi Franch.
 79RD00472 G fargesii Franch.
 86RD00300 K fargesii Franch.
 91RD00892 K fargesii Franch.
 81RD00221 G monostachya Rehd. & Wils.

Clusiaceae

Clusiaceae

		Clusia	
84GR00396	E	spec. [VO 78297 <u>Venezuela</u>]	
		Garcinia	
68GR01043	I G	xanthochymus J.D.Hook. ex T.Anders.	
		Hypericum	
63RD00193	I G	androsaemum L.	
89BL00145	K	atomarium Boiss.	
60RD00135	G	calycinum L.	
71RD00109	I G	calycinum L.	
63RD00194	I G	forrestii (Chitt.) N.K.B.Robson	
71RD00029	I G	forrestii (Chitt.) N.K.B.Robson	
69RD00197	G	'Hidcote'	
79BL00172	I E I	humifusum L. [<u>Belgium</u>]	
91ZS01450	I G I	humifusum L.	
00ZG01712	I K	x inodorum Mill.	
71RD00031	I G	x inodorum Mill.	
86RD00269	I U	x inodorum Mill.	
74RD00238	K	x inodorum Mill. 'Elstead'	
00ZG01693	I K	kalmianum L.	
91ZS00527	I E	maculatum Crantz var. maculatum [<u>Norway</u>]	
80BL00065	E	montanum L. [<u>Italy</u>]	
91ZS00778	I E	montanum L. [<u>W.Germany</u>]	
65BL00478	I G R	olympicum L.	
73BL00111	I G	orientale L.	
91ZS00843	I E	perforatum L. [<u>Belgium</u>]	
86RD00270	U	polyphyllum Boiss. & Bal.	
80ZS00058	I E	pulchrum L. [<u>Ireland, Rep.</u>]	

Combretaceae

		Quisqualis	
80GR00404	G	indica L.	

COMMELINACEAE

Although the Curator's Office is aware of the recent changes in views concerning generic delimitation within *Commelinaceae*, as described by Faden et al. (1991), their views have not been incorporated as yet, pending further information regarding international acceptance.

Commelinaceae

Commelinaceae

- 75GR00024 I G **Aneilema**
papuanum Warb.
- 84GR00409 G **Callisia**
repens L.
- 68GR00259 I E **Campelia**
zانونيا (L.) H.B.K. [Costa Rica]
- 91GR01140 G **Commelina**
benghalensis L.
- 91GR01365 K
cautleoides
- 91GR01363 K
coelestis Willd. 'Alba'
- 91ZE00816 I E
communis L. [E.Germany]
- 76GR00054 I E
diffusa N.L. Burm. [LEEU 178 Ivory Coast]
- 76ZE02131 I G
tuberosa L.
- 68GR00701 G **Cyanotis**
somalensis C.B.Clarke
- 68GR00291 I G **Dichorisandra**
musaica K. Koch & Lind.
- 70GR00214 I G
reginae (Lind. & Rodig.) H.E. Moore
- 79GR00055 E
spec. [Brazil]
- 86GR00111 E
spec. [H.L. 1286 Colombia]
- 68GR00710 I G
thyrsiflora Mikan
- 73GR00104 G **Palisota**
barteri J.D.Hook.
- 72GR00380 I G
bracteosa C.B.Clarke
- 72GR00379 I E
mannii C.B.Clarke [BRET 184 Tropical Africa]
- 74GR00070 I E **Polyspatha**
paniculata Benth. [LEEU Ivory Coast]
- 68GR00967 I G **Rhoeo**
spathacea (Sw.) Stearn
- 68GR00970 I G
spathacea (Sw.) Stearn 'Variegata'
- 68GR00989 I G **Setcreasea**
purpurea Boom
- 72GR00181 I G **Siderasis**
fuscata (Lodd.) H.E.Moore
- 54ZE02442 I G **Tinantia**
erecta (Jacq.) Schlechtend.

Commelinaceae

Tradescantia

- 76ZS00027 I G x andersoniana Ludw. & Rohw.
 76ZS00028 I G x andersoniana Ludw. & Rohw. 'Alba'
 68GR00793 I G fluminensis Vell. emend. Brueckn.
 83GR00594 U navicularis Ortgies
 91ZS00825 I E ohiensis Raf. [Pennsylvania]
 75GR00238 I G sillamontana Matuda

Zebrina

- 76GR00160 I G purpusii Brueckn.

unknown

- 86GR01192 E species 'COMMEL' [H.- Costa Rica]

Convolvulaceae

Convolvulus

- 82ZE02144 G humilis Jacq.
 66ZE02109 I G tricolor L.

Ipomoea

- 91GR01704 U alba L.
 91GR01147 G aquatica Forssk.
 53ZE00838 I G purpurea (L.) Roth

Coriariaceae

Coriaria

- 80RD00029 G japonica A. Gray
 90RD00222 K japonica A. Gray
 77RD00100 E myrtifolia L. [France]
 84RD00430 G terminalis Hemsl. var. xanthocarpa Rehd. & Wils.

Cornaceae

Aucuba

- 78RD00991 G japonica Thunb.
 91RD01008 K japonica Thunb.
 79RD00634 G japonica Thunb. 'Gold Dust'
 90RD00202 K japonica Thunb. 'Hillieri'
 74RD00275 G japonica Thunb. 'Longifolia'
 70RD00127 G japonica Thunb. 'Variegata'
 71RD00036 I G japonica Thunb. 'Variegata'

Cornus

- 79RD00473 G alba L. 'Sibirica'
 79RD00474 G alba L. 'Spaethii'

Cornaceae

- 61RD00857 G alternifolia L.f.
64RD00297 I G alternifolia L.f.
62RD00552 G amomum Mill.
77RD00109 E amomum Mill. [Pennsylvania]
62RD00296 G bretschnederi L. Henry
86RD00290 I K canadensis L.
90ZS00380 I K canadensis L.
91RD01084 K canadensis L.
77RD00129 E I controversa Hemsl. [Cheju Do (Quelpaert Isl.)]
61RD01178 G drummondii C.A. Mey.
00ZG01101 G R florida L.
64RD00298 G R florida L.
81RD00444 G R florida L.
90RD00824 E R florida L. [Ohio]
85RD00381 K florida L. 'Cherokee Chief'
85RD00382 K florida L. 'Cloud Nine'
88RD00116 K florida L. 'Rainbow'
00ZG00881 G florida L. 'Rubra'
91RD01307 G florida L. 'Rubra'
86RD00301 K hessei Koehne
90RD01179 K hessei Koehne
00ZG01023 I G kousa Hance var. chinensis Osborn
79RD00477 G kousa Hance var. chinensis Osborn
74RD00457 I G kousa Hance var. kousa
79RD00476 G kousa Hance var. kousa
90RD00223 K kousa Hance var. kousa
69RD00199 G kousa Hance var. kousa 'Xanthocarpa'
89RD00045 E macrophylla Wall. [Japan]
78RD00085 E mas L. [Switzerland]
80RD00075 E mas L. [Switzerland]
80RD00111 E mas L. [Hungary]
92RD00708 U mas L.
77RD00240 G mas L. 'Aurea'
74RD00272 G mas L. 'Macrocarpa'
88RD00117 K nuttalii Audub. 'Ascona'
88RD00118 K nuttalii Audub. 'Monarch'
74RD00491 I G nuttalii Audub.
00ZG02176 G paucinervis Hance
00ZG02177 G paucinervis Hance
65RD00282 G racemosa Lam.
77RD00061 E sanguinea L. [Switzerland]
78RD00117 G stolonifera Michx. f. baileyi (Coult. & Evans) Rickett
79RD00336 G stolonifera Michx. 'Flaviramea'
79RD00478 G stolonifera Michx. 'Flaviramea'
90RD00589 K stolonifera Michx. 'Flaviramea'
75RD00015 G stolonifera Michx. 'Kelsey'
78BL00472 E suecica L. [Finland]

Cornaceae

84BL00292	E	suecica L. [Finland]
84BL00421	E	suecica L. [Finland]
Corokia		
75GR00285	I G	x virgata Turrill
Griselinia		
75GR00324	G	littoralis (Raoul) Raoul

Corynocarpaceae

Corynocarpus		
69GR00118	G	laevigatus J.R. & G. Forst.
75GR00265	I G	laevigatus J.R. & G. Forst.
92GR00103	I G	laevigatus J.R. & G. Forst.
91GR01497	K	laevigatus J.R. & G. Forst. 'Variegata'

CRASSULACEAE

The *Crassulaceae* research collection (Dr. H.T. 't Hart)
For the description of the research, see par. 2.1.1.

The *Crassulaceae* comprise about 1500 species. The family is mainly distributed throughout the northern hemisphere and southern Africa, with conspicuous centres of diversity in Mexico, S. Africa, and the temperate European and Asiatic mountains. While the family does not contain any crop plants, a considerable number of species are important horticultural items. Most species are typical for semi-arid plant communities, and the members of this family have a different photosynthetic pathway, the Crassulacean Acid Metabolism (CAM), that enables them to assimilate carbon dioxide at night and keep their stomata closed at daytime to save water.

Berger (1930) classified the *Crassulaceae* in six subfamilies, which by and large agree with the largest genera, i.e. in order of magnitude the *Sedoideae* (*Sedum*), *Crassuloideae* (*Crassula*), *Echeverioideae* (*Echeveria* and *Dudleya*), *Kalanchoideae* (*Kalanchoe* and *Bryophyllum*), *Sempervivoideae* (*Sempervivum* and *Aeonium*), and *Cotyledonoideae* (*Cotyledon*). Except for the *Sedoideae*, the subfamilies are characterized by an unique combination of ad-

vanced characters and are, moreover, confined to a single continent. The largest subfamily, the *Sedoideae*, however, occurs on all three continents of the northern hemisphere, and cannot be defined by a unique combination of advanced characters. It is generally regarded as the most ancestral group in the evolution of the *Crassulaceae*, from which, most probably, the other more specialised subfamilies and genera evolved. Although Berger's classification has great practical value it reveals nothing about the relationships between the taxa.

The collection of *Crassulaceae* has been brought together solely for the study of systematic and evolutionary relationships. In contrast to "normal", non-succulent plants, the morphology of (leaf-)succulents cannot be studied adequately from herbarium specimens. In the process of drying and pressing they shrink considerably and the most essential feature of succulents, their three dimensional structure, is irretrievably lost. Thus for the study of succulents it is necessary to cultivate the plants. In addition to morphological studies, and transplantation experiments, living (cultivated) plant material is also indispensable for all other modern methods used to investigate evolutionary relationships, such as cytology (chromosome numbers, karyotypes, and amount of DNA per nucleus), genetics (involving hybridization experiments¹), phytochemistry (mainly the study of secondary compounds like alkaloids, waxes, triterpenoids, flavonoids, etc.), physiology (Crassulacean Acid Metabolism), and the analysis of variation in the structure and composition of chloroplast and nuclear DNA.

The *Crassulaceae* collection has been brought together over a period of more than 20 years, and the main part is a complete collection of the 54 European species of *Sedum*, which have been

¹ See colour photographs: "An example of..." An example of the significance of hybridization experiments in studies of genetic relationships between *Sedum* species. *Sedum sempervivoides*, a biennial, rosulate alpine plant with beautiful, intense red flowers from eastern Anatolia, can be very easily crossed with the extremely rare, white-flowered *S. tymphaeum*, which is known from only three mountain peaks in central Greece. Although the two species differ, apart from flower colour, in many morphological characters as well as in geographical distribution, their hybrid is a vigorous, abundantly flowering plant, which indicates that its parents are genetically very closely related.

used to study the evolution of this group with combined morphological and cytological methods. Especially in *Sedum*, cytological and cyto-geographical characters are very informative, because this genus surpasses all other groups of angiosperms in cytological diversity. A combination of morphological, cytological, phytogeographic and genetic studies has resulted in the following theory about the evolution of *Sedum* in Europe. The European *Sedum* flora in its present form descends from two ancestral groups. An ill-defined, somewhat loose group of species characterized by various combinations of archetypical characters on one hand, and a rather distinct group of advanced species united by at least two specialized characters on the other hand. This primeval European *Sedum* flora itself was a segregate of a more ancient *Sedum* flora which extended to America as well as to Asia and already consisted of the two aforementioned taxa throughout its range. In Europe the ancient *Sedum* flora was reduced at one time, and its fragments were confined to three isolated areas (refugia), the West and East Mediterranean regions, and the Caucasus. These three refugia subsequently became centres of origin when the species they held in turn started to spread again under more favourable circumstances. In this second period of proliferation the more advanced species were most successful. They gave rise to a large score of new groups of *Sedum* species as well as to the even further specialized taxa which are presently classified in *Aeonium*, *Aichryson*, *Monanthes*, *Pistorinia*, *Rosularia*, and *Sempervivum*.

Programme

Recently the *Crassulaceae* collection has been extended with large, almost complete sets of species of *Sedum* from the Near East, North Africa and Macaronesia². Furthermore, large and representative (almost complete in regard to numbers of species) collections have been obtained of *Aeonium*, *Aichryson*, *Bryophyllum*, *Kalanchoe*, *Monanthes*, *Pistorinia*, *Rosularia*, and *Sempervivum*, which will be used to study more in detail the relationships between these advanced and highly specialised groups and *Sedum*.

² See colour photographs, "*Sedum fusiforme* Lowe".

Location

The *Crassulaceae* research collection is housed in a separate greenhouse. The spare seeds are stored in the seedbank, under controlled conditions, and are not listed in this catalogue.

Note 1: only the accessions with the "HR" character-combination are part of the research collection. All remaining accessions are part of the Garden collection!

Note 2: the collectors' abbreviations are separately listed in appendix 5.

Crassulaceae

Adromischus

- 76GR00566 I G cristatus (Haw.) Lem. var. clavifolius (Haw.) Toelken
76GR00416 I G cristatus (Haw.) Lem. var. schonlandii (Phill.) Toelken

Aeonium

- 92HR31850 S E arboreum (L.) Webb & Berth. [Thiede Spain]
72GR00098 I G arboreum (L.) Webb & Berth. 'Atropurpureum'
73GR00567 G x barbatum Webb & Berth.
92HR31925 S G x burchardii Praeger [Thiede]
92HR30493 S E canariense (L.) Webb & Berth. [HS 39B52B Canary Isls.]
92HR31857 S E canariense (L.) Webb & Berth. [Thiede 2059 Canary Isls.]
92HR31858 S E canariense (L.) Webb & Berth. [Thiede 2071 Canary Isls.]
92HR30484 S E R castello-paivae Bolle [Loon Canary Isls.]
92HR31863 S E R castello-paivae Bolle [Kaczmarek Canary Isls.]
92HR31864 S E R castello-paivae Bolle [Losch Canary Isls.]
92HR31865 S E R castello-paivae Bolle [Poppend. 89-14 Canary Isls.]
92HR31866 S E R castello-paivae Bolle [Poppend. 89-16 Canary Isls.]
92HR31867 S E R castello-paivae Bolle [Poppend. 89-28 Canary Isls.]
92HR31868 S E R castello-paivae Bolle [Poppend. 89-46 Canary Isls.]
92HR31869 S E R castello-paivae Bolle [RV Canary Isls.]
92HR30476 S E ciliatum (Willd.) Webb & Berth. [HS 39B55 Canary Isls.]
92HR31870 S E ciliatum (Willd.) Webb & Berth. [Hahn Canary Isls.]
92HR31871 S E ciliatum (Willd.) Webb & Berth. [Losch Canary Isls.]
92HR31872 S E ciliatum (Willd.) Webb & Berth. [Thiede 2072 Canary Isls.]
92HR31921 S E ciliatum (Willd.) Webb & Berth. [Thiede 2060 Canary Isls.]
92HR31873 S E V cuneatum Webb & Berth. [Losch Canary Isls.]
92HR31874 S E V cuneatum Webb & Berth. [Thiede 2056 Canary Isls.]
92HR31875 S E V cuneatum Webb & Berth. [Thiede 2015 Canary Isls.]
73GR00563 I G decorum Webb ex Bolle
92HR30478 S E decorum Webb ex Bolle [Loon Canary Isls.]
92HR30480 S E decorum Webb ex Bolle [Loon Canary Isls.]
92HR31876 S E decorum Webb ex Bolle [Thiede Canary Isls.]

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- 92HR31877 S E decorum Webb ex Bolle [Thiede Canary Isls.]
 92HR31878 S E decorum Webb ex Bolle [Thiede Canary Isls.]
 92HR31879 S E decorum Webb ex Bolle [Losch Canary Isls.]
 92HR31880 S E decorum Webb ex Bolle [Poppend. 89-1 Canary Isls.]
 92HR31882 S E decorum Webb ex Bolle [Poppend. 89-26 Canary Isls.]
 92HR31883 S E decorum Webb ex Bolle [Vogg. Canary Isls.]
 92HR30449 S E glandulosum (Aiton) Webb & Berth. [HRT 3905 Madeira]
 92HR30457 S E glandulosum (Aiton) Webb & Berth. [HRT 3919 Madeira]
 92HR30460 S E glandulosum (Aiton) Webb & Berth. [HRT 3925 Madeira]
 92HR30464 S E glandulosum (Aiton) Webb & Berth. [HRT 3940 Madeira]
 92HR30447 S E glutinosum (Aiton) Webb & Berth. [HRT 3903 Madeira]
 92HR30448 S E glutinosum (Aiton) Webb & Berth. [HRT 3904 Madeira]
 92HR30450 S E glutinosum (Aiton) Webb & Berth. [HRT 3907 Madeira]
 92HR30452 S E glutinosum (Aiton) Webb & Berth. [HRT 3909 Madeira]
 92HR30456 S E glutinosum (Aiton) Webb & Berth. [HRT 3917 Madeira]
 92HR30458 S E glutinosum (Aiton) Webb & Berth. [HRT 3920 Madeira]
 92HR30461 S E glutinosum (Aiton) Webb & Berth. [HRT 3927 Madeira]
 92HR30465 S E glutinosum (Aiton) Webb & Berth. [HRT 3941 Madeira]
 92HR31881 S E E gomerense (Praeger) Praeger [Poppend. 89-3 Canary Isls.]
 92HR31884 S E E gomerense (Praeger) Praeger [Losch Canary Isls.]
 92HR31885 S E goochiae Webb & Berth. [Losch Canary Isls.]
 92HR31886 S E gorgoneum J.A. Schmidt [BB Cape Verde Isls.]
 92HR31887 S E gorgoneum J.A. Schmidt [Lobin Cape Verde Isls.]
 92HR31888 S E gorgoneum J.A. Schmidt [Losch Cape Verde Isls.]
 92HR31889 S E gorgoneum J.A. Schmidt [Losch Cape Verde Isls.]
 92HR31890 S E R haworthii Salm-Dyck ex Webb & Berth. [Losch Canary Isls.]
 92HR31891 S E R haworthii Salm-Dyck ex Webb & Berth. [Rothm. Canary Isls.]
 92HR31892 S E R haworthii Salm-Dyck ex Webb & Berth. [Thiede 2076 Canary Isls.]
 92HR31893 S E R haworthii Salm-Dyck ex Webb & Berth. [Thiede 2076 Canary Isls.]
 92HR31894 S E hierrense (Murray) Pitard & Proust [Losch Canary Isls.]
 73GR00561 I G holochrysum Webb & Berth. (sensu Liu)
 79GR00196 S holochrysum Webb & Berth. (sensu Liu) [Canary Isls.]
 92HR30467 S E holochrysum Webb & Berth. (sensu Liu) [HS 39B46 Canary Isls.]
 92HR30470 S E holochrysum Webb & Berth. (sensu Liu) [HS 39B49 Canary Isls.]
 92HR31851 S E holochrysum Webb & Berth. (sensu Liu) [Thiede 2049 Canary Isls.]
 92HR31852 S E holochrysum Webb & Berth. (sensu Liu) [Thiede 2106 Canary Isls.]
 92HR31853 S E holochrysum Webb & Berth. (sensu Liu) [Thiede 2098 Canary Isls.]
 92HR31895 S E leucoblepharum Webb ex A. Richter [Thiede]

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- 92HR31896 S E leucoblepharum Webb ex A. Richter [Newton 3196 Kenya]
 92HR31897 S E leucoblepharum Webb ex A. Richter [Lavranos Yemen]
 92HR31898 S E leucoblepharum Webb ex A. Richter [Deil 1889 Yemen]
 73GR00564 I G lindleyi Webb & Berth.
 92HR31901 S E lindleyi Webb & Berth. [Thiede 2095 Canary Isls.]
 92HR31902 S E lindleyi Webb & Berth. [Thiede 2064 Canary Isls.]
 92HR31903 S E lindleyi Webb & Berth. [Losch Canary Isls.]
 92HR31899 S E V nobile Praeger [Thiede Canary Isls.]
 92HR30491 S E palmense Webb [Loon Canary Isls.]
 92HR30444 S E percarneum (Murray) Pitard & Proust [Berg 87-02 Canary Isls.]
 92HR31900 S E percarneum (Murray) Pitard & Proust [Fenerer Canary Isls.]
 92HR31855 S E V rubrolineatum Svent. [Poppend. 89-40 Canary Isls.]
 92HR31856 S E V rubrolineatum Svent. [Poppend. 89-7 Canary Isls.]
 92HR31906 S E E saundersii Bolle [Losch Canary Isls.]
 92HR31602 S E V sedifolium (Webb ex Bolle) Pitard & Proust [During CI02 Canary Isls.]
 92HR31907 S E V sedifolium (Webb ex Bolle) Pitard & Proust [Thiede 2047 Canary Isls.]
 92HR31908 S E V sedifolium (Webb ex Bolle) Pitard & Proust [Thiede 2084 Canary Isls.]
 92HR31909 S E V sedifolium (Webb ex Bolle) Pitard & Proust [Thiede 2084 Canary Isls.]
 92HR31924 S E sedifolium (Webb ex Bolle) Pitard & Proust x A. canariense (L.) Webb & Berth. var. palmense (Webb ex Christ) H.-Y. L [Thiede Canary Isls.]
 92HR30438 S E simsii (Sweet) Stearn [Berg 87-01 Canary Isls.]
 92HR30439 S E simsii (Sweet) Stearn [Berg 87-03 Canary Isls.]
 92HR30440 S E simsii (Sweet) Stearn [Berg 87-04 Canary Isls.]
 92HR30441 S E simsii (Sweet) Stearn [Berg 87-05 Canary Isls.]
 92HR31910 S E V smithii (Sims) Webb & Berth. [Thiede 2097 Canary Isls.]
 92HR31609 S E spathulatum (Hornem.) Praeger [During CI04 Canary Isls.]
 92HR31911 S E spathulatum (Hornem.) Praeger [Golling Canary Isls.]
 92HR31912 S E spathulatum (Hornem.) Praeger [Kuschel 90-23 Canary Isls.]
 92HR31913 S E spathulatum (Hornem.) Praeger [Losch Canary Isls.]
 92HR31914 S E spathulatum (Hornem.) Praeger [Poppend. 89-24a Canary Isls.]
 92HR31915 S E spathulatum (Hornem.) Praeger [Thiede 2037 Canary Isls.]
 92HR31916 S E spathulatum (Hornem.) Praeger [Thiede 2047 Canary Isls.]
 92HR31917 S E spathulatum (Hornem.) Praeger [Thiede 2092 Canary Isls.]
 92HR31478 E spec. [Canary Isls.]
 92HR31603 E spec. [During CI03a Canary Isls.]
 92HR31615 E spec. [During CI08a Canary Isls.]
 92HR31617 E spec. [During CI09 Canary Isls.]
 92HR31619 E spec. [During CI10b Canary Isls.]

Crassulaceae

- 92HR30483 S E subplanum Praeger [Loon Canary Isls.]
 92HR30487 S E subplanum Praeger [Loon Canary Isls.]
 92HR31860 S E subplanum Praeger [Poppend. 89-15 Canary Isls.]
 92HR31861 S E subplanum Praeger [Poppend. 89-2 Canary Isls.]
 92HR31862 S E subplanum Praeger [Losch Canary Isls.]
 92HR30468 S E R tabuliforme (Haw.) Webb & Berth. [HS 39B47 Canary Isls.]
 92HR30471 S E R tabuliforme (Haw.) Webb & Berth. [HS 39B50 Canary Isls.]
 92HR31611 S E R tabuliforme (Haw.) Webb & Berth. [During CI06a Canary Isls.]
 92HR31618 S E R tabuliforme (Haw.) Webb & Berth. [During CI10a Canary Isls.]
 92HR31918 S E R tabuliforme (Haw.) Webb & Berth. [Thiede 2077 Canary Isls.]
 92HR30477 S E urbicum (Chr. Smith ex Hornem.) Webb & Berth. [HS 39B56 Canary Isls.]
 92HR31854 S E urbicum (Chr. Smith ex Hornem.) Webb & Berth. [Thiede 2048 Canary Isls.]
 92HR31919 S E urbicum (Chr. Smith ex Hornem.) Webb & Berth. [Thiede 2099 Canary Isls.]
 92HR31920 S E urbicum (Chr. Smith ex Hornem.) Webb & Berth. [Poppend. 89-57 Canary Isls.]
 92HR31922 S E urbicum (Chr. Smith ex Hornem.) Webb & Berth. [Thiede 2081 Canary Isls.]
 92HR31923 S E urbicum (Chr. Smith ex Hornem.) Webb & Berth. [Thiede 2048 Canary Isls.]
 92HR30489 S E valverdense Praeger [Loon Canary Isls.]
 92HR30490 S E valverdense Praeger [Loon Canary Isls.]
 92HR31859 S E R virgineum Webb ex Christ [Losch Canary Isls.]
 92HR30479 S E viscatum Webb ex Bolle [Loon Canary Isls.]
 92HR30481 S E viscatum Webb ex Bolle [Loon Canary Isls.]
 92HR31904 S E viscatum Webb ex Bolle [Losch Canary Isls.]
 92HR31905 S E viscatum Webb ex Bolle [Poppend. 89-33 Canary Isls.]

Aichryson

- 92HR30446 S E divaricatum (Aiton) Praeger [HRT 3902 Madeira]
 92HR30455 S E divaricatum (Aiton) Praeger [HRT 3911 Madeira]
 92HR30462 S E divaricatum (Aiton) Praeger [HRT 3932 Madeira]
 92HR30466 E spec. [HS 39B45 Canary Isls.]
 92HR30469 E spec. [HS 39B48 Canary Isls.]
 92HR30473 E spec. [HS 39B52 Canary Isls.]
 92HR30475 E spec. [HS 39B54 Canary Isls.]
 92HR30485 E spec. [Loon Canary Isls.]
 92HR30488 E spec. [Loon Canary Isls.]
 92HR31604 E spec. [During CI03b Canary Isls.]
 92HR31605 E spec. [During CI03c Canary Isls.]
 92HR31613 E spec. [During CI06c Canary Isls.]
 92HR30451 S E R villosum (Aiton) Webb & Berth. [HRT 3908 Madeira]

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- 92HR30453 S E R villosum (Aiton) Webb & Berth. [HRT 3910 Madeira]
 92HR30454 S E R villosum (Aiton) Webb & Berth. [HRT 3911 Madeira]
 92HR30459 S E R villosum (Aiton) Webb & Berth. [HRT 3923 Madeira]
 92HR30463 S E R villosum (Aiton) Webb & Berth. [HRT 3937 Madeira]

Altamiranoa

- 76GR00213 I G ericoides (Rose) Jacobs.

Bryophyllum

- 72GR00214 I G fedtschenkoi Hamet & Perr. de la Bathie

Chiastophyllum

- 77BL00079 I G oppositifolium (Ledeb. ex Nordm.) Berger

Cotyledon

- 76GR00199 I G ladysmithiensis V. Poelln.

Crassula

- 73GR00593 I G R arborescens (Miller) Willdenow
 92HR28240 S E R arborescens (Miller) Willdenow [HRT California]
 73GR00589 I G cordata Thunb.
 74GR00286 I U exilis Harv. subsp. cooperi (Regel) Toelken
 74GR00284 I U muscosa L. var. muscosa 'Variegata'
 73GR00585 I G ovata (Mill.) Druce
 73GR00584 I G perfoliata L. var. falcata (Wendl.) Toelken
 76GR00401 I U rupestris Thunb. subsp. marnierana (Huber & Jacobs.)
 Toelken
 92HR30474 N spec. [HS 39B53 Canary Islis.]
 73GR00587 I G tetragona L.

Dudleya

- 92HR28241 E spec. [HRT California]
 92HR28242 E spec. [HRT California]
 92HR28245 E spec. [HRT California]
 92HR28246 E spec. [HRT California]

Echeveria

- 73GR00605 I G agavoides Lem. var. corderoyi (Bak.) V. Poelln.
 73GR00608 I G agavoides Lem. var. corderoyi (Bak.) V. Poelln. 'Crest'
 79GR00210 N bicolor (H.B.K.) E. Walth. [Venezuela]
 73GR00668 I G coccinea (Cav.) DC.
 73GR00609 I G derenbergii J.A. Purp.
 73GR00613 I G elegans Rose var. elegans
 79GR00218 S fulgens Lem. [Guerrero]
 79GR00225 S gibbiflora DC. var. gibbiflora [Mexico]
 79GR00209 S hyalina E. Walth. [Guanajuato]
 79GR00207 G minima Meyran

Crassulaceae

- 82GR00087 E nodulosa (Bak.) Otto [Mexico]
 72GR00216 I G pulvinata Rose
 79GR00224 S vanvlietii V. Keppel [Bolivia]
 92HR30445 S E venezuelensis Rose [HRT Venezuela]

Graptopetalum

- 79GR00222 S amethystinum (Rose) E. Walth. [Mexico]
 76GR00400 I G macdougallii Alexander

Greenovia

- 92HR30442 S E aurea (Christ) Webb & Berth. [Berg 87-06 Canary Isls.]
 92HR30443 S E aurea (Christ) Webb & Berth. [Berg 87-07 Canary Isls.]
 92HR31612 E spec. [During CI06b Canary Isls.]
 92HR31614 E spec. [During CI07 Canary Isls.]

Jovibarba

- 83BL00133 E R allionii (Jord. & Fourr.) D.A. Webb [France]
 65BL00561 G arenaria (W.D.J.Koch) Opiz
 78BL00287 G heuffelii (Schott) A. & E. Love
 92HR30612 S E heuffelii (Schott) A. & E. Love [HRT 37-26 Bulgaria]
 92HR30613 S E heuffelii (Schott) A. & E. Love [HRT 37-46 Bulgaria]
 92HR30614 S E heuffelii (Schott) A. & E. Love [HRT 37-52 Bulgaria]
 78BL00124 E hirta (L.) Opiz subsp. hirta [Austria]
 78BL00343 E hirta (L.) Opiz subsp. hirta [Yugoslavia]
 86BL00063 S sobolifera (J.Sims) Opiz [Rumania]
 87BL00559 S sobolifera (J.Sims) Opiz [Rumania]

Kalanchoe

- 73GR00621 I G V beharensis Drake
 76GR00549 I G citrina Schweinf.
 74GR00300 I G K manginii R.Hamet & Perr. De La Bathie
 74GR00299 I G marmorata Bak.
 74GR00431 I G K rhombopilosa Mann. & Boit.
 74GR00290 I G K tomentosa Bak.
 69GR00248 I G K uniflora (Stapf) R.Hamet

Monanthes

- 92HR32181 S E anagensis Praeger [Nyffeler 126 Tenerife]
 92HR32186 S E anagensis Praeger [Losch Tenerife]
 92HR32178 S E brachycaulon (Webb & Berth.) Lowe [Nyffeler 138 Tenerife]
 92HR32180 S E brachycaulon (Webb & Berth.) Lowe [Nyffeler 99 Canary Isls.]
 92HR32188 S E brachycaulon (Webb & Berth.) Lowe [Thiede 2034 Tenerife]
 92HR30486 S E laxiflora (DC.) Bolle [Loon Canary Isls.]
 92HR31606 E laxiflora (DC.) Bolle [During CI03e Canary Isls.]
 92HR32182 S E laxiflora (DC.) Bolle [Nyffeler 114 Tenerife]
 92HR32184 S E laxiflora (DC.) Bolle [Nyffeler 123 Tenerife]

Crassulaceae

- 92HR32175 S E minima (Bolle) Praeger [Nyffeler 120 Tenerife]
 76GR00444 V G R muralis (Webb) Christ
 92HR32176 S E R muralis (Webb) Christ [Kuschel 90-5 Canary Isls.]
 92HR32185 S E pallens (Webb & Christ) Christ [Nyffeler 153 Canary Isls.]
 92HR32179 S E polyphylla Haw. subsp. amydros (Svent.)... [Nyffeler 155 Canary Isls.]
 92HR32183 S E polyphylla Haw. subsp. amydros (Svent.)... [Nyffeler 152 Canary Isls.]
 92HR32177 S E polyphylla Haw. subsp. polyphylla [Thiede 2019 Tenerife]
 92HR32187 S E polyphylla Haw. subsp. polyphylla [Nyffeler 119 Tenerife]
 92HR30472 E spec. [HS 39B51 Canary Isls.]
 92HR31601 E spec. [During CI01 Canary Isls.]
 92HR31607 E spec. [During CI03f Canary Isls.]
 92HR31608 E spec. [During CI03g Canary Isls.]
 92HR31610 E spec. [During CI05 Canary Isls.]
 92HR31616 E spec. [During CI08b Canary Isls.]
 92HR31620 E spec. [During CI10c Canary Isls.]

Orostachys

- 75BL00173 G iwarenge (Mak.) Hara 'Hodo'

Pachyphytum

- 79GR00206 N compactum Rose [Mexico]
 79GR00191 N glutinicaule Moran [Hidalgo]
 79GR00195 N hookeri (Salm-Dyck) Berger [San Luis Potosi]

x Pachyveria

- 73GR00634 I G 'Scheideckeri'

Penthorum

- 87BL00596 G chinense Pursh
 86BL00270 G sedoides L.
 86BL00281 G sedoides L.
 92HR31045 E spec.

Pistorinia

- 92HR32194 S E breviflora Boiss. [HRT 10.6 Morocco]
 92HR32203 S E breviflora Boiss. [HRT 13.16 Morocco]
 92HR32234 S E breviflora Boiss. [HRT 27.47 Morocco]
 92HR32298 S E breviflora Boiss. [HRT 52.110 Morocco]
 92HR32308 S E breviflora Boiss. [HRT 58.120 Morocco]
 92HR32347 S E breviflora Boiss. [HRT 64.153 Morocco]
 92HR29455 S E hispanica (L.) DC. [HRT Spain]
 92HR29458 S E hispanica (L.) DC. [HRT Spain]
 92HR29468 S E hispanica (L.) DC. [HRT Spain]
 92HR32192 S E hispanica (L.) DC. [HRT 0.4 Morocco]

Crassulaceae

Pseudosedum

- 82BL00330 E condensatum Boriss. [Tadzhikistan]
 84BL00254 E condensatum Boriss. [Tadzhikistan]

Rhodiola

- 84BL00416 E arctica Boriss.
 82BL00332 E heterodonta (J.D. Hook. & Thoms.) Boriss. [Tadzhikistan]
 89BL00042 E heterodonta (J.D. Hook. & Thoms.) Boriss. [Tadzhikistan]
 88BL00012 E reticaulis Boriss.
 88BL00378 E rhodantha (A. Gray) Jacobs. [HZ 86-38 Arizona]
 65BL00264 I G rosea L.
 92HR31413 S E rosea L. [Loon Italy]
 92HR31481 S E rosea L. [Echard France]
 74BL00103 E stephanii (Cham.) Trautv. & Mey.
 83BL00306 S stephanii (Cham.) Trautv. & Mey.

Rosularia

- 89BL00089 G adenotricha (Wallich. ex Edgew.) Jansson subsp. adenotricha
 92HR30404 S E adenotricha (Wallich. ex Edgew.) Jansson subsp. adenotricha [Punjab & Himachal Pradesh]
 89BL00090 G adenotricha (Wallich. ex Edgew.) Jansson subsp. viguieri (Raym.-Hamet) Jansson
 92HR30519 S E adenotricha (Wallich. ex Edgew.) Jansson subsp. viguieri (Raym.-Hamet) Jansson
 89BL00092 G aizoon (Fenzl) A. Berger
 92BL00774 E aizoon (Fenzl) A. Berger [CYT 31740]
 92HR30520 S E aizoon (Fenzl) A. Berger [Eggl 809]
 92HR31138 S E aizoon (Fenzl) A. Berger [AH 274 Turkey (Asia Minor)]
 92HR31150 S E aizoon (Fenzl) A. Berger [AH 286 Turkey (Asia Minor)]
 92HR31315 S E aizoon (Fenzl) A. Berger [AH 451 Turkey (Asia Minor)]
 92HR32029 S E aizoon (Fenzl) A. Berger [AH 821 Turkey (Asia Minor)]
 89BL00091 G alpestris (Karel. & Kir.) Boriss.
 92HR30403 S E alpestris (Karel. & Kir.) Boriss. subsp. alpestris [Jammu & Kashmir]
 92HR30522 S E alpestris (Karel. & Kir.) Boriss. subsp. alpestris
 92HR30523 S E alpestris (Karel. & Kir.) Boriss. subsp. alpestris [Pakistan]
 92HR30524 S E alpestris (Karel. & Kir.) Boriss. subsp. marnieri (Raymond-Hamet ex H. Ohba) U. Eggl [Nepal]
 92HR30521 S E blepharophylla U. Eggl [Eggl 851]
 89BL00093 G chrysantha (Boiss.) Berger
 92BL00769 E chrysantha (Boiss.) Berger [CYT 31997 Turkey (Asia Minor)]
 92HR30525 S E chrysantha (Boiss.) Berger
 92HR30526 S E chrysantha (Boiss.) Berger
 92HR31997 S E chrysantha (Boiss.) Berger [AH 789 Turkey (Asia Minor)]
 92BL00789 E globulariifolia (Fenzl) A. Berger [CYT 32033 Turkey (Asia

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- Minor)
- 92HR30203 S E globulariifolia (Fenzl) A. Berger [HRT Turkey (Asia Minor)]
- 92HR30204 S E globulariifolia (Fenzl) A. Berger [HRT Turkey (Asia Minor)]
- 92HR32033 S E globulariifolia (Fenzl) A. Berger [AH 825 Turkey (Asia Minor)]
- 92HR32034 S E globulariifolia (Fenzl) A. Berger [AH 826 Turkey (Asia Minor)]
- 92HR30527 S E lineata (Boiss.) A. Berger
- 92HR30528 S E lineata (Boiss.) A. Berger [Israel]
- 92HR30529 S E modesta (Bornm.) Jansson
- 89BL00094 G rechingeri Jansson
- 92HR30530 S E rechingeri Jansson
- 92HR30531 S E sedoides (Decne.) H. Ohba [Jammu & Kashmir]
- 92HR31122 S E sempervivum (Bieb.) A. Berger [AH 257 Turkey (Asia Minor)]
- 92HR31143 S E sempervivum (Bieb.) A. Berger [AH 279 Turkey (Asia Minor)]
- 92HR31148 S E sempervivum (Bieb.) A. Berger [AH 284 Turkey (Asia Minor)]
- 92HR31161 S E sempervivum (Bieb.) A. Berger [AH 297 Turkey (Asia Minor)]
- 92HR31178 S E sempervivum (Bieb.) A. Berger [AH 314 Turkey (Asia Minor)]
- 92HR31251 S E sempervivum (Bieb.) A. Berger [AH 387 Turkey (Asia Minor)]
- 92HR31252 S E sempervivum (Bieb.) A. Berger [AH 388 Turkey (Asia Minor)]
- 92HR31256 S E sempervivum (Bieb.) A. Berger [AH 392 Turkey (Asia Minor)]
- 92HR31257 S E sempervivum (Bieb.) A. Berger [AH 393 Turkey (Asia Minor)]
- 92HR31259 S E sempervivum (Bieb.) A. Berger [AH 395 Turkey (Asia Minor)]
- 92HR31262 S E sempervivum (Bieb.) A. Berger [AH 398 Turkey (Asia Minor)]
- 92HR31263 S E sempervivum (Bieb.) A. Berger [AH 399 Turkey (Asia Minor)]

12 of 37 accessions sharing this taxon are listed above

- 92HR30532 S E sempervivum (Bieb.) A. Berger subsp. glaucophylla U. Eggli [Eggl 784]
- 92HR30533 S E sempervivum (Bieb.) A. Berger subsp. glaucophylla U. Eggli
- 92HR31994 S E sempervivum (Bieb.) A. Berger subsp. glaucophylla U. Eggli [AH 785 Turkey (Asia Minor)]
- 92HR32052 S E sempervivum (Bieb.) A. Berger subsp. glaucophylla U. Eggli [AH 844 Turkey (Asia Minor)]

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- 92HR32112 S E sempervivum (Bieb.) A. Berger subsp. glaucophylla U. Eggli
[AH 904 Turkey (Asia Minor)]
- 92HR31100 S E sempervivum (Bieb.) A. Berger subsp. libanotica (Labill.) U.
Eggli [Ham 49.1 Israel]
- 92HR30534 S E sempervivum (Bieb.) A. Berger subsp. persica (Boiss.) U.
Eggli
- 92HR30535 S E sempervivum (Bieb.) A. Berger subsp. persica (Boiss.) U.
Eggli
- 92HR30536 S E sempervivum (Bieb.) A. Berger subsp. pestalozzae (Boiss.)
U. Eggli [Turkey (Asia Minor)]
- 92HR30537 S E sempervivum (Bieb.) A. Berger subsp. pestalozzae (Boiss.)
U. Eggli
- 92HR30538 S E sempervivum (Bieb.) A. Berger subsp. pestalozzae (Boiss.)
U. Eggli
- 92HR30539 S E sempervivum (Bieb.) A. Berger subsp. sempervivum [Eggli
541]
- 92HR30540 S E sempervivum (Bieb.) A. Berger subsp. sempervivum
- 92HR30541 S E sempervivum (Bieb.) A. Berger subsp. sempervivum [Eggli
521]
- 92HR32079 S E R serpentina (Werderm.) Muirhead [AH 871 Turkey (Asia
Minor)]
- 92HR32081 S E R serpentina (Werderm.) Muirhead [AH 873 Turkey (Asia
Minor)]
- 92HR32082 S E R serpentina (Werderm.) Muirhead [AH 874 Turkey (Asia
Minor)]
- 92HR30205 S E serpentina (Werderm.) Muirhead var. gigantea U. Eggli
[HRT Turkey (Asia Minor)]
- 92HR30206 S E serrata (L.) A. Berger [HRT Turkey (Asia Minor)]
- 92HR30207 S E serrata (L.) A. Berger [HRT Turkey (Asia Minor)]
- 89BL00095 E spec. [Turkey, European]
- 92HR30498 E spec. [Eggli 654]
- 92HR30499 E spec. [Eggli 655]
- 92HR30500 E spec. [Eggli 656]
- 92HR30501 E spec. [Eggli 658]
- 92HR30502 E spec. [Eggli 659]
- 92HR30503 E spec. [Eggli 661]
- 92HR30504 E spec. [Eggli 663]
- 92HR30505 E spec. [Eggli 664]
- 92HR30506 E spec. [Eggli 665]
- 92HR30507 E spec. [Eggli 667]
- 92HR30508 E spec. [Eggli 670]
- 92HR30509 E spec. [Eggli 676]
- 92HR30510 E spec. [Eggli 676]
- 92HR30542 E spec. [Turkey (Asia Minor)]

Sedum

- 92HR27056 S E acre L. [Ietswaart 6 Spain]

Crassulaceae

- 92HR27070 S E acre L. [Ietswaart 10 Spain]
 92HR28689 S E acre L. [HRT 37018 Bulgaria]
 92HR28703 S E acre L. [HRT 37034 Bulgaria]
 92HR29247 S E acre L. [HRT Spain]
 92HR30208 S E acre L. [HRT Yugoslavia]
 92HR30406 S E acre L. [Eggli 355 Caucasus]
 92HR30869 S E acre L. [AH 134 Turkey (Asia Minor)]
 92HR30989 S E acre L. [Huysstiel 8801 Italy]
 92HR31326 S E acre L. [AH 462 Turkey (Asia Minor)]
 92HR31332 S E acre L. [AH 468 Turkey (Asia Minor)]
 92HR31846 S E acre L. [Stevens W. Germany]
 92HR32323 S E acre L. [HRT 60.136 Morocco]
 92HR32340 S E acre L. [HRT 64.146 Morocco]
 92HR32345 S E acre L. [HRT 64.151 Morocco]
- 15 of 34 accessions sharing this taxon are listed above
- 92HR31067 S E acre L. subsp. maweanum ...
 76GR00185 I G adolphii Hamet
 92HR29605 S E aetnense Tin. [Bulgaria]
 92HR30271 S E aetnense Tin. [AH 50 Turkey (Asia Minor)]
 92HR30273 S E aetnense Tin. [AH 52 Turkey (Asia Minor)]
 92HR30276 S E aetnense Tin. [AH 55 Turkey (Asia Minor)]
 92HR30293 S E aetnense Tin. [AH 72 Turkey (Asia Minor)]
 92HR30307 S E aetnense Tin. [AH 86 Turkey (Asia Minor)]
 92HR30314 S E aetnense Tin. [AH 93 Turkey (Asia Minor)]
 92HR30883 S E aetnense Tin. [AH 148 Turkey (Asia Minor)]
 92HR30917 S E aetnense Tin. [AH 182 Turkey (Asia Minor)]
 92HR30932 S E aetnense Tin. [AH 197 Turkey (Asia Minor)]
 92HR30962 S E aetnense Tin. [AH 227 Turkey (Asia Minor)]
 92HR30969 S E aetnense Tin. [AH 234 Turkey (Asia Minor)]
 92HR30970 S E aetnense Tin. [AH 235 Turkey (Asia Minor)]
 92HR31253 S E aetnense Tin. [AH 389 Turkey (Asia Minor)]
 92HR31261 S E aetnense Tin. [AH 397 Turkey (Asia Minor)]
 92HR31269 S E aetnense Tin. [AH 405 Turkey (Asia Minor)]
 92HR31273 S E aetnense Tin. [AH 409 Turkey (Asia Minor)]
 92HR31310 S E aetnense Tin. [AH 446 Turkey (Asia Minor)]
 92HR31968 S E aetnense Tin. [AH 759 Turkey (Asia Minor)]
 92HR31970 S E aetnense Tin. [AH 761 Turkey (Asia Minor)]
 92HR31982 S E aetnense Tin. [AH 773 Turkey (Asia Minor)]
 92HR32041 S E aetnense Tin. [AH 833 Turkey (Asia Minor)]
 92HR32048 S E aetnense Tin. [AH 840 Turkey (Asia Minor)]
 92HR32059 S E aetnense Tin. [AH 851 Turkey (Asia Minor)]
 92HR32063 S E aetnense Tin. [AH 855 Turkey (Asia Minor)]
 92HR32074 S E aetnense Tin. [AH 866 Turkey (Asia Minor)]
 92HR32095 S E aetnense Tin. [AH 887 Turkey (Asia Minor)]
 92HR32118 S E aetnense Tin. [AH 910 Turkey (Asia Minor)]
 92HR32124 S E aetnense Tin. [AH 916 Turkey (Asia Minor)]
 92HR32127 S E aetnense Tin. [AH 919 Turkey (Asia Minor)]

Crassulaceae

- 92HR32132 S E aetnense Tin. [AH 924 Turkey (Asia Minor)]
 64BL00235 I G aizoon L.
 75ZS00107 I G aizoon L.
 92HR28220 S E alamosamum S. Watson [Moran 18801 Baja California (incl. various Isls.)]
 92HR21992 S E album L. [Loon 37 Portugal]
 92HR22009 S E album L. [Loon 57 Spain]
 92HR27041 S E album L. [Ietswaart 1 Spain]
 92HR27075 S E album L. [Ietswaart 12 Spain]
 92HR27107 S E album L. [HRT Crete]
 92HR27110 S E album L. [HRT Crete]
 92HR28716 S E album L. [HRT 37049 Bulgaria]
 92HR29246 S E album L. [HRT Spain]
 92HR29260 S E album L. [HRT Spain]
 92HR29527 S E album L. [HRT Portugal]
 92HR29540 S E album L. [HRT Portugal]
 92HR29940 S E album L. [HRT France]
 92HR30399 S E album L. [Eggl 802 Turkey (Asia Minor)]
 92HR30405 S E album L. [Eggl 354 Caucasus]
 92HR30864 S E album L. [AH 129 Turkey (Asia Minor)]
 92HR30872 S E album L. [AH 137 Turkey (Asia Minor)]
 92HR30994 S E album L. [HuyssTiel 8806 Italy]
 92HR31027 S E album L. [HuyssTiel 8839 Italy]
 92HR31482 S E album L. [Lagarde Spain]
 92HR31628 S E album L. [Winden 6 Italy]
 92HR32022 S E album L. [AH 814 Turkey (Asia Minor)]
 92HR32025 S E album L. [AH 817 Turkey (Asia Minor)]
 22 of 120 accessions sharing this taxon are listed above
 65BL00243 I G album L. subsp. album
 66BL00116 I G album L. 'Murale'
 75BL00120 G album L. 'Roseiflorum'
 92HR31068 S E album L. subsp. serpentinii (Janchen) [Zonnev. Yugoslavia]
 92HR28221 S E allantoides Rose [Moran 7724B Mexico]
 92HR28711 S E alpestre Vill. [HRT 37042 Bulgaria]
 92HR28713 S E alpestre Vill. [HRT 37044 Bulgaria]
 92HR28715 S E alpestre Vill. [HRT 37047 Bulgaria]
 92HR30905 S E alpestre Vill. [AH 170 Turkey (Asia Minor)]
 92HR30912 S E alpestre Vill. [AH 177 Turkey (Asia Minor)]
 92HR30915 S E alpestre Vill. [AH 18 Turkey (Asia Minor)]
 92HR31411 S E alpestre Vill. [Loon Switzerland]
 92HR31416 S E alpestre Vill. [Loon Italy]
 92HR31483 S E alpestre Vill. [Echard France]
 92HR27106 S E amplexicaule DC. [HRT Crete]
 92HR27115 S E amplexicaule DC. [HRT Crete]
 92HR27212 S E amplexicaule DC. [HRT Crete]
 92HR27227 S E amplexicaule DC. [HRT Crete]
 92HR32004 S E amplexicaule DC. [AH 796 Turkey (Asia Minor)]

Crassulaceae

- 92HR32010 S E amplexicaule DC. [AH 802 Turkey (Asia Minor)]
 92HR32113 S E amplexicaule DC. [AH 905 Turkey (Asia Minor)]
 92HR32119 S E amplexicaule DC. [AH 911 Turkey (Asia Minor)]
 92HR32190 S E amplexicaule DC. [HRT 0.2 Morocco]
 92HR32199 S E amplexicaule DC. [HRT 12.12 Morocco]
 92HR32309 S E amplexicaule DC. [HRT 58.121 Morocco]
 92HR32348 S E amplexicaule DC. [HRT 64.154 Morocco]

12 of 35 accessions sharing this taxon are listed above

- 92HR21999 S E amplexicaule DC. subsp. amplexicaule [Loon 50 Spain]
 92HR22012 S E amplexicaule DC. subsp. amplexicaule [Loon 58 Spain]
 92HR27042 S E amplexicaule DC. subsp. amplexicaule [Ietswaart 2 Spain]
 92HR27055 S E amplexicaule DC. subsp. amplexicaule [Ietswaart 6 Spain]
 92HR29294 S E amplexicaule DC. subsp. amplexicaule [HRT Spain]
 92HR29492 S E amplexicaule DC. subsp. amplexicaule [HRT Spain]
 92HR29526 S E amplexicaule DC. subsp. amplexicaule [HRT Portugal]
 92HR29528 S E amplexicaule DC. subsp. amplexicaule [HRT Portugal]
 92HR29529 S E amplexicaule DC. subsp. amplexicaule [HRT Portugal]

9 of 56 accessions sharing this taxon are listed above

- 71BL00426 I G amplexicaule DC. subsp. tenuifolium (Sibth. & Sm.) Greuter
[HTH 7226]
 71BL00427 I G amplexicaule DC. subsp. tenuifolium (Sibth. & Sm.) Greuter
[HTH 7197]
 92HR30292 S E amplexicaule DC. subsp. tenuifolium (Sibth. & Sm.) Greuter
[AH 71 Turkey (Asia Minor)]
 92HR30322 S E amplexicaule DC. subsp. tenuifolium (Sibth. & Sm.) Greuter
[AH Turkey (Asia Minor)]
 92HR30931 S E amplexicaule DC. subsp. tenuifolium (Sibth. & Sm.) Greuter
[AH 196 Turkey (Asia Minor)]
 92HR30946 S E amplexicaule DC. subsp. tenuifolium (Sibth. & Sm.) Greuter
[AH 211 Turkey (Asia Minor)]
 92HR31972 S E amplexicaule DC. subsp. tenuifolium (Sibth. & Sm.) Greuter
[AH 763 Turkey (Asia Minor)]
 92HR31977 S E amplexicaule DC. subsp. tenuifolium (Sibth. & Sm.) Greuter
[AH 768 Turkey (Asia Minor)]
 92HR31999 S E amplexicaule DC. subsp. tenuifolium (Sibth. & Sm.) Greuter
[AH 791 Turkey (Asia Minor)]
 65BL00396 I E anacampseros L. [Switzerland]
 92HR29363 S E andegavense (DC.) Desv. [HRT Spain]
 92HR29364 S E andegavense (DC.) Desv. [HRT Spain]
 92HR29366 S E andegavense (DC.) Desv. [HRT Spain]
 92HR29395 S E andegavense (DC.) Desv. [HRT Spain]
 92HR29415 S E andegavense (DC.) Desv. [HRT Spain]
 92HR29433 S E andegavense (DC.) Desv. [HRT Spain]
 92HR29446 S E andegavense (DC.) Desv. [HRT Spain]
 92HR29580 S E andegavense (DC.) Desv. [HRT Portugal]
 92HR29584 S E andegavense (DC.) Desv. [HRT Portugal]
 92HR29588 S E andegavense (DC.) Desv. [HRT Portugal]

Crassulaceae

- 92HR29617 S E andegavense (DC.) Desv. [HRT Spain]
 92HR21984 S E anglicum Huds. [Loon Spain]
 92HR29568 S E anglicum Huds. [HRT Portugal]
 92HR29570 S E anglicum Huds. [HRT Portugal]
 92HR31960 S E anglicum Huds. [Berg Ireland, Rep.]
 92HR31961 S E anglicum Huds. [Berg Ireland, Rep.]
 92HR31962 S E anglicum Huds. [Berg Ireland, Rep.]
 92HR31963 S E anglicum Huds. [Berg Ireland, Rep.]
 92HR28705 S E annuum L. [HRT 37036 Bulgaria]
 92HR28710 S E annuum L. [HRT 37041 Bulgaria]
 92HR28714 S E annuum L. [HRT 37045 Bulgaria]
 92HR29619 S E annuum L. [HS Norway]
 92HR30242 S E annuum L. [AH 21 Turkey (Asia Minor)]
 92HR30243 S E annuum L. [AH 22 Turkey (Asia Minor)]
 92HR30246 S E annuum L. [AH 25 Turkey (Asia Minor)]
 92HR30863 S E annuum L. [AH 128 Turkey (Asia Minor)]
 92HR30900 S E annuum L. [AH 165 Turkey (Asia Minor)]
 92HR30906 S E annuum L. [AH 171 Turkey (Asia Minor)]
 92HR30916 S E annuum L. [AH 181 Turkey (Asia Minor)]
 92HR31123 S E annuum L. [AH 258 Turkey (Asia Minor)]
 92HR31135 S E annuum L. [AH 271 Turkey (Asia Minor)]
 92HR31392 S E annuum L. [AH 528 Turkey (Asia Minor)]
 92HR31402 S E annuum L. [AH 538 Turkey (Asia Minor)]
 92HR31415 S E annuum L. [Loon Italy]

16 of 34 accessions sharing this taxon are listed above

- 92HR21986 S E arenarium Brot. [Loon Spain]
 92HR29362 S E arenarium Brot. [HRT Spain]
 92HR29365 S E arenarium Brot. [HRT Spain]
 92HR29367 S E arenarium Brot. [HRT Spain]
 92HR29375 S E arenarium Brot. [HRT Spain]
 92HR29376 S E arenarium Brot. [HRT Spain]
 92HR29379 S E arenarium Brot. [HRT Spain]
 92HR29382 S E arenarium Brot. [HRT Spain]
 92HR29383 S E arenarium Brot. [HRT Spain]
 92HR29409 S E arenarium Brot. [HRT Spain]
 92HR29412 S E arenarium Brot. [HRT Spain]
 92HR29414 S E arenarium Brot. [HRT Spain]
 92HR29417 S E arenarium Brot. [HRT Spain]
 92HR29422 S E arenarium Brot. [HRT Spain]
 92HR29447 S E arenarium Brot. [HRT Spain]
 92HR29553 S E arenarium Brot. [HRT Portugal]
 92HR29561 S E arenarium Brot. [HRT Portugal]
 92HR29562 S E arenarium Brot. [HRT Portugal]
 92HR29566 S E arenarium Brot. [HRT Portugal]
 92HR29575 S E arenarium Brot. [HRT Portugal]
 92HR29576 S E arenarium Brot. [HRT Portugal]
 92HR29579 S E arenarium Brot. [HRT Portugal]

Crassulaceae

92HR29586	S E	arenarium Brot. [HRT <u>Portugal</u>]
92HR29592	S E	arenarium Brot. [HRT <u>Portugal</u>]
92HR29598	S E	arenarium Brot. [HRT <u>Portugal</u>]
92HR30999	S E	atratum L. [Huysstiel 8811 <u>Italy</u>]
92HR31409	S E	atratum L. [Loon <u>Switzerland</u>]
92HR31417	S E	atratum L. [Loon <u>Italy</u>]
92HR31419	S E	atratum L. [Loon <u>Italy</u>]
92HR28222	S E	australe Rose [Moran 7723 <u>Mexico</u>]
92HR28224	S E	bourgeai Hemsley [Moran 26375 <u>Guanajuato</u>]
92HR21991	S E	brevifolium DC. [Loon 35 <u>Portugal</u>]
92HR21994	S E	brevifolium DC. [Loon 42 <u>Portugal</u>]
92HR21996	S E	brevifolium DC. [Loon 44 <u>Portugal</u>]
92HR29250	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29315	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29319	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29324	S E	brevifolium DC.
92HR29328	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29343	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29345	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29353	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29381	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29385	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29399	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29511	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29519	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR29532	S E	brevifolium DC. [HRT <u>Portugal</u>]
92HR29556	S E	brevifolium DC. [HRT <u>Portugal</u>]
92HR29563	S E	brevifolium DC. [HRT <u>Portugal</u>]
92HR29572	S E	brevifolium DC. [HRT <u>Portugal</u>]
92HR29573	S E	brevifolium DC. [HRT <u>Portugal</u>]
92HR29578	S E	brevifolium DC. [HRT <u>Portugal</u>]
92HR29591	S E	brevifolium DC. [HRT <u>Portugal</u>]
92HR29593	S E	brevifolium DC. [HRT <u>Portugal</u>]
92HR29595	S E	brevifolium DC. [HRT <u>Portugal</u>]
92HR29618	S E	brevifolium DC. [HRT <u>Spain</u>]
92HR32244	S E	brevifolium DC. [HRT 30.57 <u>Morocco</u>]
92HR32246	S E	brevifolium DC. [HRT 31.59 <u>Morocco</u>]
92HR32274	S E	brevifolium DC. [HRT 43.86 <u>Morocco</u>]
92HR32287	S E	brevifolium DC. [HRT 45.99 <u>Morocco</u>]
92HR32290	S E	brevifolium DC. [HRT 47.102 <u>Morocco</u>]
92HR32306	S E	brevifolium DC. [HRT 57.117 <u>Morocco</u>]
92HR28998	S E	brissemoreti Hamet [HRT 3921 <u>Madeira</u>]
92HR28999	S E	brissemoreti Hamet [HRT 3922 <u>Madeira</u>]
92HR29000	S E	brissemoreti Hamet [HRT 3924 <u>Madeira</u>]
92HR29001	S E	brissemoreti Hamet [HRT 3926 <u>Madeira</u>]
92HR29002	S E	brissemoreti Hamet [HRT 3928 <u>Madeira</u>]
92HR29003	S E	brissemoreti Hamet [HRT 3929 <u>Madeira</u>]

Crassulaceae

92HR29004	S E	brissemoreti Hamet [HRT 3930 <u>Madeira</u>]
88BL00379	E	bupleuroides Wall. [BMW 73 <u>Nepal</u>]
92HR28223	S E	burrito Moran [<u>Mexico</u>]
65BL00482	I G	caeruleum L.
92HR31621	S E	caeruleum L. [Winden 2 <u>Tunesia</u>]
92HR31622	S E	caeruleum L. [Winden 4 <u>Tunesia</u>]
92HR31623	S E	caeruleum L. [Winden 3a <u>Tunesia</u>]
92HR31624	S E	caeruleum L. [Winden 3b <u>Tunesia</u>]
92HR31625	S E	caeruleum L. [Winden 5a <u>Tunesia</u>]
92HR31626	S E	caeruleum L. [Winden 5b <u>Tunesia</u>]
92HR28677	S E	caespitosum (Cav.) DC. [HRT 37006 <u>Bulgaria</u>]
92HR28684	S E	caespitosum (Cav.) DC. [HRT 37013 <u>Bulgaria</u>]
92HR29397	S E	caespitosum (Cav.) DC. [HRT <u>Spain</u>]
92HR29585	S E	caespitosum (Cav.) DC. [HRT <u>Portugal</u>]
92HR29935	S E	caespitosum (Cav.) DC. [Ietswaart <u>Cyprus</u>]
92HR29938	S E	caespitosum (Cav.) DC. [HRT <u>France</u>]
92HR30226	S E	caespitosum (Cav.) DC. [AH 5 <u>Turkey (Asia Minor)</u>]
92HR30285	S E	caespitosum (Cav.) DC. [AH 64 <u>Turkey (Asia Minor)</u>]
92HR30291	S E	caespitosum (Cav.) DC. [AH 70 <u>Turkey (Asia Minor)</u>]
92HR30296	S E	caespitosum (Cav.) DC. [AH 75 <u>Turkey (Asia Minor)</u>]
92HR30298	S E	caespitosum (Cav.) DC. [AH 77 <u>Turkey (Asia Minor)</u>]
92HR30304	S E	caespitosum (Cav.) DC. [AH 83 <u>Turkey (Asia Minor)</u>]
92HR30308	S E	caespitosum (Cav.) DC. [AH 87 <u>Turkey (Asia Minor)</u>]
92HR30313	S E	caespitosum (Cav.) DC. [AH 92 <u>Turkey (Asia Minor)</u>]
92HR30317	S E	caespitosum (Cav.) DC. [AH 96 <u>Turkey (Asia Minor)</u>]
92HR30323	S E	caespitosum (Cav.) DC. [AH 100 <u>Turkey (Asia Minor)</u>]
92HR30324	S E	caespitosum (Cav.) DC. [HRT <u>Greece</u>]
92HR30920	S E	caespitosum (Cav.) DC. [AH 185 <u>Turkey (Asia Minor)</u>]
92HR30922	S E	caespitosum (Cav.) DC. [AH 187 <u>Turkey (Asia Minor)</u>]
92HR30928	S E	caespitosum (Cav.) DC. [AH 193 <u>Turkey (Asia Minor)</u>]
92HR30934	S E	caespitosum (Cav.) DC. [AH 199 <u>Turkey (Asia Minor)</u>]
92HR30943	S E	caespitosum (Cav.) DC. [AH 208 <u>Turkey (Asia Minor)</u>]
92HR30947	S E	caespitosum (Cav.) DC. [AH 212 <u>Turkey (Asia Minor)</u>]
92HR30952	S E	caespitosum (Cav.) DC. [AH 217 <u>Turkey (Asia Minor)</u>]
92HR30958	S E	caespitosum (Cav.) DC. [AH 223 <u>Turkey (Asia Minor)</u>]
92HR30964	S E	caespitosum (Cav.) DC. [AH 229 <u>Turkey (Asia Minor)</u>]
92HR30968	S E	caespitosum (Cav.) DC. [AH 233 <u>Turkey (Asia Minor)</u>]
92HR30980	S E	caespitosum (Cav.) DC. [AH 245 <u>Turkey (Asia Minor)</u>]
92HR31069	S E	caespitosum (Cav.) DC. [Ham <u>Israel</u>]
92HR31070	S E	caespitosum (Cav.) DC. [Ham <u>Israel</u>]
92HR31071	S E	caespitosum (Cav.) DC. [Ham 2.1 <u>Israel</u>]
92HR31091	S E	caespitosum (Cav.) DC. [Ham 40.2 <u>Israel</u>]
92HR31093	S E	caespitosum (Cav.) DC. [Ham 43.1 <u>Israel</u>]
92HR31098	S E	caespitosum (Cav.) DC. [Ham 46.2 <u>Israel</u>]
92HR31099	S E	caespitosum (Cav.) DC. [Ham 48.1 <u>Israel</u>]
92HR31309	S E	caespitosum (Cav.) DC. [AH 445 <u>Turkey (Asia Minor)</u>]
92HR31505	S E	caespitosum (Cav.) DC. [Lieutier <u>France</u>]

Crassulaceae

- 92HR32042 S E caespitosum (Cav.) DC. [AH 834 Turkey (Asia Minor)]
 92HR32060 S E caespitosum (Cav.) DC. [AH 852 Turkey (Asia Minor)]
 92HR32075 S E caespitosum (Cav.) DC. [AH 867 Turkey (Asia Minor)]
 92HR32088 S E caespitosum (Cav.) DC. [AH 880 Turkey (Asia Minor)]
 92HR32092 S E caespitosum (Cav.) DC. [AH 884 Turkey (Asia Minor)]
 92HR32126 S E caespitosum (Cav.) DC. [AH 918 Turkey (Asia Minor)]
 92HR32189 S E caespitosum (Cav.) DC. [HRT 0.1 Morocco]
 92HR32196 S E caespitosum (Cav.) DC. [HRT 10.8 Morocco]
 92HR32207 S E caespitosum (Cav.) DC. [HRT 14.20 Morocco]
 92HR29352 S E candollei Hamet [HRT Spain]
 92HR29357 S E candollei Hamet [HRT Spain]
 92HR29505 S E candollei Hamet [HRT Spain]
 92HR29508 S E candollei Hamet [HRT Spain]
 92HR29571 S E candollei Hamet [HRT Portugal]
 92HR31484 S E candollei Hamet [Echard France]
 92HR31311 S E R caroli-henrici Kit Tan [AH 447 Turkey (Asia Minor)]
 67BL00266 I E caucasicum (Grossh.) Boriss. [Caucasus]
 92HR21983 S E cepaea L. [Loon 3 Spain]
 92HR28709 S E cepaea L. [HRT 37040 Bulgaria]
 92HR28717 S E cepaea L. [HRT 37050 Bulgaria]
 92HR30895 S E cepaea L. [AH 160 Turkey (Asia Minor)]
 92HR30918 S E cepaea L. [AH 183 Turkey (Asia Minor)]
 92HR31044 S E cepaea L. [HRT 5717 France]
 79GR00226 E clavatum Clausen [V.K. 691 Mexico]
 92HR28225 S E clavatum Clausen [Mexico (state)]
 92HR29616 S E confertiflorum Boiss. [Alpinar Turkey (Asia Minor)]
 92HR30252 S E confertiflorum Boiss. [AH 31 Turkey (Asia Minor)]
 92HR30255 S E confertiflorum Boiss. [AH 34 Turkey (Asia Minor)]
 92HR30258 S E confertiflorum Boiss. [AH 37 Turkey (Asia Minor)]
 92HR30259 S E confertiflorum Boiss. [AH 38 Turkey (Asia Minor)]
 92HR30261 S E confertiflorum Boiss. [AH 40 Turkey (Asia Minor)]
 92HR30306 S E confertiflorum Boiss. [AH 85 Turkey (Asia Minor)]
 92HR30321 S E confertiflorum Boiss. [AH 99 Turkey (Asia Minor)]
 92HR30929 S E confertiflorum Boiss. [AH 194 Turkey (Asia Minor)]
 92HR30941 S E confertiflorum Boiss. [AH 206 Turkey (Asia Minor)]
 92HR30944 S E confertiflorum Boiss. [AH 209 Turkey (Asia Minor)]
 92HR30948 S E confertiflorum Boiss. [AH 213 Turkey (Asia Minor)]
 92HR30950 S E confertiflorum Boiss. [AH 215 Turkey (Asia Minor)]
 92HR31255 S E confertiflorum Boiss. [AH 391 Turkey (Asia Minor)]
 92HR31292 S E confertiflorum Boiss. [AH 428 Turkey (Asia Minor)]
 92HR31304 S E confertiflorum Boiss. [AH 436 Turkey (Asia Minor)]
 92HR31306 S E confertiflorum Boiss. [AH 442 Turkey (Asia Minor)]
 92HR31975 S E confertiflorum Boiss. [AH 766 Turkey (Asia Minor)]
 92HR32011 S E confertiflorum Boiss. [AH 803 Turkey (Asia Minor)]
 92HR32128 S E confertiflorum Boiss. [AH 920 Turkey (Asia Minor)]
 92HR32135 S E confertiflorum Boiss. [AH 927 Turkey (Asia Minor)]
 92HR28226 S E corynephyllum Froderstrom [Mexico]

Crassulaceae

92HR27092	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27097	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27100	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27103	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27138	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27147	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27153	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27156	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27160	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27179	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27195	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27217	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27232	S E	creticum Presl	[HRT <u>Crete</u>]
92HR27167	S E	creticum Presl var. creticum	[HRT <u>Crete</u>]
92HR27170	S E	creticum Presl var. creticum	[HRT <u>Crete</u>]
92HR27183	S E	creticum Presl var. creticum	[HRT <u>Crete</u>]
92HR27186	S E	creticum Presl var. creticum	[HRT <u>Crete</u>]
92HR27187	S E	creticum Presl var. creticum	[HRT <u>Crete</u>]
92HR27189	S E	creticum Presl var. creticum	[HRT <u>Crete</u>]
92HR27196	S E	creticum Presl var. creticum	[HRT <u>Crete</u>]
92HR27198	S E	creticum Presl var. creticum	[HRT <u>Crete</u>]
92HR27214	S E	creticum Presl var. creticum	[HRT <u>Crete</u>]
92HR27054	S E	dasyphyllum L.	[Ietswaart 5 <u>Spain</u>]
92HR27062	S E	dasyphyllum L.	[Ietswaart 7 <u>Spain</u>]
92HR27064	S E	dasyphyllum L.	[Ietswaart 8 <u>Spain</u>]
92HR27072	S E	dasyphyllum L.	[Ietswaart 10 <u>Spain</u>]
92HR29255	S E	dasyphyllum L.	[HRT <u>Spain</u>]
92HR29301	S E	dasyphyllum L.	[HRT <u>Spain</u>]
92HR29514	S E	dasyphyllum L.	[HRT <u>Spain</u>]
92HR29522	S E	dasyphyllum L.	[HRT <u>Spain</u>]
92HR30401	S E	dasyphyllum L.	[<u>Spain</u>]
92HR30402	S E	dasyphyllum L.	[<u>Morocco</u>]
92HR30991	S E	dasyphyllum L.	[Huysstiel 8803 <u>Italy</u>]
92HR30996	S E	dasyphyllum L.	[Huysstiel 8808 <u>Italy</u>]
92HR31013	S E	dasyphyllum L.	[Huysstiel 8825 <u>Italy</u>]
92HR31064	S E	dasyphyllum L.	[Kliphuis <u>Spain</u>]
92HR32045	S E	dasyphyllum L.	[AH 837 <u>Turkey (Asia Minor)</u>]
92HR32068	S E	dasyphyllum L.	[AH 860 <u>Turkey (Asia Minor)</u>]
92HR32070	S E	dasyphyllum L.	[AH 862 <u>Turkey (Asia Minor)</u>]
92HR32104	S E	dasyphyllum L.	[AH 896 <u>Turkey (Asia Minor)</u>]
92HR32213	S E	dasyphyllum L.	[HRT 17.26 <u>Morocco</u>]
92HR32220	S E	dasyphyllum L.	[HRT 18.32 <u>Morocco</u>]
92HR32228	S E	dasyphyllum L.	[HRT 26.41 <u>Morocco</u>]
92HR32239	S E	dasyphyllum L.	[HRT 28.52 <u>Morocco</u>]
92HR32331	S E	dasyphyllum L.	[HRT 61.144 <u>Morocco</u>]
92HR32339	S E	dasyphyllum L.	[HRT 63.165 <u>Morocco</u>]
92HR32346	S E	dasyphyllum L.	[HRT 64.152 <u>Morocco</u>]

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- 92HR32352 S E dasyphyllum L. [HRT 64.158 Morocco]
 26 of 56 accessions sharing this taxon are listed above
- 66BL00234 I E dasyphyllum L. var. dasyphyllum [France]
- 92HR28227 S E dendroideum Moc. & Sessé ex DC. [Moran 7779 Central States (Mexico)]
- 92HR28243 S G dendroideum Moc. & Sessé ex DC. [HRT California]
- 73GR00642 I G dendroideum Moc. & Sessé subsp. dendroideum
- 76BL00061 E divergens S. Wats.
- 71BL00424 I G douglasii W.J. Hook. [HTH 7198]
- 67BL00082 I G dumulosum Franch.
- 92HR28228 S E ebracteatum Sessé & Moc. [Moran 14766 Mexico]
- 92HR31368 S E euxinum 't Hart & Alpinar [AH 504 Turkey (Asia Minor)]
- 92HR31376 S E euxinum 't Hart & Alpinar [AH 512 Turkey (Asia Minor)]
- 92HR31386 S E euxinum 't Hart & Alpinar [AH 523 Turkey (Asia Minor)]
- 87BL00622 E ewersii Ledeb. [Kazakhstan]
- 92HR29005 S E R farinosum Lowe [HRT 3931 Madeira]
- 92HR29006 S E R farinosum Lowe [HRT 3933 Madeira]
- 92HR29007 S E R farinosum Lowe [HRT 3934 Madeira]
- 92HR29008 S E R farinosum Lowe [HRT 3935 Madeira]
- 92HR29009 S E R farinosum Lowe [HRT 3936 Madeira]
- 92HR21987 S E forsterianum J.E. Sm. [Loon 26 Spain]
- 92HR21989 S E forsterianum J.E. Sm. [Loon 28 Spain]
- 92HR21995 S E forsterianum J.E. Sm. [Loon 43 Portugal]
- 92HR22000 S E forsterianum J.E. Sm. [Loon 51 Spain]
- 92HR22004 S E forsterianum J.E. Sm. [Loon 52 Spain]
- 92HR29318 S E forsterianum J.E. Sm. [HRT Spain]
- 92HR29321 S E forsterianum J.E. Sm. [HRT Spain]
- 92HR29322 S E forsterianum J.E. Sm. [HRT Spain]
- 92HR29348 S E forsterianum J.E. Sm. [HRT Spain]
- 92HR29349 S E forsterianum J.E. Sm. [HRT Spain]
- 92HR29351 S E forsterianum J.E. Sm. [HRT Spain]
- 92HR29531 S E forsterianum J.E. Sm. [HRT Portugal]
- 92HR29535 S E forsterianum J.E. Sm. [HRT Portugal]
- 92HR29542 S E forsterianum J.E. Sm. [HRT Portugal]
- 92HR29545 S E forsterianum J.E. Sm. [HRT Portugal]
- 92HR29549 S E forsterianum J.E. Sm. [HRT Portugal]
- 92HR29552 S E forsterianum J.E. Sm. [HRT Portugal]
- 92HR32232 S E forsterianum J.E. Sm. [HRT 26.45 Morocco]
- 92HR32235 S E forsterianum J.E. Sm. [HRT 27.48 Morocco]
- 92HR32242 S E forsterianum J.E. Sm. [HRT 29.54 Morocco]
- 92HR32266 S E forsterianum J.E. Sm. [HRT 40.78 Morocco]
- 92HR32272 S E forsterianum J.E. Sm. [HRT 42.84 Morocco]
- 92HR32276 S E forsterianum J.E. Sm. [HRT 43.88 Morocco]
- 92HR32283 S E forsterianum J.E. Sm. [HRT 44.95 Morocco]
- 92HR32284 S E forsterianum J.E. Sm. [HRT 45.96 Morocco]
- 25 of 59 accessions sharing this taxon are listed above
- 92HR28229 S E frutescens Rose [Moran 10177 Mexico]

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92HR28230	S E	furfuraceum Moran [Moran 7659 <u>San Luis Potosi</u>]
92HR29010	S E	fusiforme Lowe [HRT 3938 <u>Madeira</u>]
92HR29011	S E	fusiforme Lowe [HRT 3939 <u>Madeira</u>]
92HR29012	S E	fusiforme Lowe [HRT 3942 <u>Madeira</u>]
92BL00775	E	gracile C.A. Meyer [CYT 31193 <u>Turkey (Asia Minor)</u>]
92HR31193	S E	gracile C.A. Meyer [AH 329 <u>Turkey (Asia Minor)</u>]
92HR31198	S E	gracile C.A. Meyer [AH 334 <u>Turkey (Asia Minor)</u>]
92HR31201	S E	gracile C.A. Meyer [AH 337 <u>Turkey (Asia Minor)</u>]
92HR31212	S E	gracile C.A. Meyer [AH 348 <u>Turkey (Asia Minor)</u>]
92HR31342	S E	gracile C.A. Meyer [AH 478 <u>Turkey (Asia Minor)</u>]
92HR31356	S E	gracile C.A. Meyer [AH 492 <u>Turkey (Asia Minor)</u>]
92HR31361	S E	gracile C.A. Meyer [AH 497 <u>Turkey (Asia Minor)</u>]
92HR31372	S E	gracile C.A. Meyer [AH 508 <u>Turkey (Asia Minor)</u>]
92HR31384	S E	gracile C.A. Meyer [AH 520 <u>Turkey (Asia Minor)</u>]
92HR31396	S E	gracile C.A. Meyer [AH 532 <u>Turkey (Asia Minor)</u>]
92HR27058	S E	granatense Pau [Ietswaart 6 <u>Spain</u>]
92HR27063	S E	granatense Pau [Ietswaart 7 <u>Spain</u>]
92HR32201	S E	granatense Pau [HRT 12.14 <u>Morocco</u>]
92HR28231	S E	greggii Hemsley [Moran 7807 <u>Hidalgo</u>]
92HR28699	S E	grisebachii Boiss. & Heldr. [HRT 37028 <u>Bulgaria</u>]
92HR30219	S E	grisebachii Boiss. & Heldr. [HRT <u>Thracia</u>]
92HR30327	S E	grisebachii Boiss. & Heldr. [HRT <u>Greece</u>]
92HR30986	S E	grisebachii Boiss. & Heldr. [AH 251 <u>Turkey (Asia Minor)</u>]
92HR21998	S E	gypsicolum Boiss. & Reuter [Loon 39 <u>Portugal</u>]
92HR22005	S E	gypsicolum Boiss. & Reuter [Loon 53 <u>Spain</u>]
92HR27048	S E	gypsicolum Boiss. & Reuter [Ietswaart 3 <u>Spain</u>]
92HR27066	S E	gypsicolum Boiss. & Reuter [Ietswaart 9 <u>Spain</u>]
92HR27068	S E	gypsicolum Boiss. & Reuter [Ietswaart 10 <u>Spain</u>]
92HR29439	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29440	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29441	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29442	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29443	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29457	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29467	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29484	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29488	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29494	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29498	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR29513	S E	gypsicolum Boiss. & Reuter [HRT <u>Spain</u>]
92HR32198	S E	gypsicolum Boiss. & Reuter [HRT 10A.11 <u>Morocco</u>]
92HR32202	S E	gypsicolum Boiss. & Reuter [HRT 12.15 <u>Morocco</u>]
92HR32206	S E	gypsicolum Boiss. & Reuter [HRT 14.19 <u>Morocco</u>]
92HR32210	S E	gypsicolum Boiss. & Reuter [HRT 16.23 <u>Morocco</u>]
92HR32214	S E	gypsicolum Boiss. & Reuter [HRT 17.27 <u>Morocco</u>]
92HR32229	S E	gypsicolum Boiss. & Reuter [HRT 26.42 <u>Morocco</u>]
92HR32321	S E	gypsicolum Boiss. & Reuter [HRT 60.134 <u>Morocco</u>]

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- 92HR32328 S E gypsicolum Boiss. & Reuter [HRT 60.141 Morocco]
- 92HR21982 S E hirsutum All. [Loon 1 Spain]
- 92HR21985 S E hirsutum All. [Loon 14 Spain]
- 92HR21988 S E hirsutum All. [Loon 27 Spain]
- 92HR21990 S E hirsutum All. [Loon 34 Spain]
- 92HR29242 S E hirsutum All. [HRT Spain]
- 92HR29354 S E hirsutum All. [HRT Spain]
- 92HR29372 S E hirsutum All. [HRT Spain]
- 92HR29398 S E hirsutum All. [HRT Spain]
- 92HR29424 S E hirsutum All. [HRT Spain]
- 92HR31065 S E hirsutum All.
- 92HR31066 S hirsutum All.
- 92HR32326 S E hirsutum All. [HRT 60.139 Morocco]
- 92HR29518 S E hirsutum All. var. baeticum [HRT Spain]
- 92HR29520 S E hirsutum All. var. baeticum [HRT Spain]
- 92HR29346 S E hirsutum All var. hirsutum [HRT Spain]
- 92HR29347 S E hirsutum All var. hirsutum [HRT Spain]
- 92HR29374 S E hirsutum All var. hirsutum [HRT Spain]
- 92HR29380 S E hirsutum All var. hirsutum [HRT Spain]
- 92HR29384 S E hirsutum All var. hirsutum [HRT Spain]
- 92HR29533 S E hirsutum All var. hirsutum [HRT Portugal]
- 92HR29534 S E hirsutum All var. hirsutum [HRT Portugal]
- 92HR29554 S E hirsutum All var. hirsutum [HRT Portugal]
- 92HR29564 S E hirsutum All var. hirsutum [HRT Portugal]
- 92HR29569 S E hirsutum All var. hirsutum [HRT Portugal]
- 92HR29574 S E hirsutum All var. hirsutum [HRT Portugal]
- 92HR29577 S E hirsutum All var. hirsutum [HRT Portugal]
- 92HR29590 S E hirsutum All var. hirsutum [HRT Portugal]
- 92HR29594 S E hirsutum All var. hirsutum [HRT Portugal]
- 92HR28672 S E R hispanicum L. [HRT 37001 Bulgaria]
- 92HR28674 S E R hispanicum L. [HRT 37003 Bulgaria]
- 92HR28676 S E R hispanicum L. [HRT 37005 Bulgaria]
- 92HR28706 S E R hispanicum L. [HRT 37037 Bulgaria]
- 92HR28708 S E R hispanicum L. [HRT 37039 Bulgaria]
- 92HR30220 S E R hispanicum L. [HRT Thracia]
- 92HR30325 S E R hispanicum L. [HRT Greece]
- 92HR30398 S E R hispanicum L. [Eggl 785 Turkey (Asia Minor)]
- 92HR30400 S E R hispanicum L. [Eggl 803 Turkey (Asia Minor)]
- 92HR30840 S E R hispanicum L. [AH 105 Turkey (Asia Minor)]
- 92HR30854 S E R hispanicum L. [AH 119 Turkey (Asia Minor)]
- 92HR30855 S E R hispanicum L. [AH 120 Turkey (Asia Minor)]
- 92HR30856 S E R hispanicum L. [AH 121 Turkey (Asia Minor)]
- 92HR30857 S E R hispanicum L. [AH 122 Turkey (Asia Minor)]
- 92HR30997 S E R hispanicum L. [HuysTiel 8809 Italy]
- 92HR31018 S E R hispanicum L. [HuysTiel 8830 Italy]
- 92HR31077 S E R hispanicum L. [Ham 8.1 Israel]
- 92HR31079 S E R hispanicum L. [Ham 13.2 Israel]

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- 92HR31080 S E R hispanicum L. [Ham 13.3 Israel]
 92HR31083 S E R hispanicum L. [Ham 20.1 Israel]
 92HR31097 S E R hispanicum L. [Ham 46.1 Israel]
 92HR31104 S E R hispanicum L. [Ham 53.1 Israel]
 92HR31139 S E R hispanicum L. [AH 275 Turkey (Asia Minor)]
 92HR31142 S E R hispanicum L. [AH 278 Turkey (Asia Minor)]
 92HR32027 S E R hispanicum L. [AH 819 Turkey (Asia Minor)]
 92HR32028 S E R hispanicum L. [AH 820 Turkey (Asia Minor)]
 92HR32039 S E R hispanicum L. [AH 831 Turkey (Asia Minor)]
 92HR32050 S E R hispanicum L. [AH 842 Turkey (Asia Minor)]
 92HR32051 S E R hispanicum L. [AH 843 Turkey (Asia Minor)]
 30 of 102 accessions sharing this taxon are listed above
 92HR28232 S E hulteni Foderstrom [Uhl 1865 Hidalgo]
 92HR28233 S E humifusum Rose [Uhl 1847 Guanajuato]
 92HR31987 S E K inconspicuum Hand.-Mazz. [AH 778 Turkey (Asia Minor)]
 92HR31989 S E K inconspicuum Hand.-Mazz. [AH 780 Turkey (Asia Minor)]
 92HR31993 S E K inconspicuum Hand.-Mazz. [AH 784 Turkey (Asia Minor)]
 92HR32001 S E K inconspicuum Hand.-Mazz. [AH 793 Turkey (Asia Minor)]
 92HR32211 S E jaccardianum Maire & Wilczek [HRT 16.24 Morocco]
 92HR32219 S E jaccardianum Maire & Wilczek [HRT 17.31 Morocco]
 71BL00249 G kamtschaticum Fisch. & Mey. var. ellacombianum (Praeg.)
 R.T. Clausen
 77BL00126 I E kamtschaticum Fisch. & Mey. var. ellacombianum (Praeg.)
 R.T. Clausen [Honshu]
 77BL00203 E kamtschaticum Fisch. & Mey. var. kamtschaticum
 75BL00105 G kamtschaticum Fisch. & Mey. var. kamtschaticum
 'Variegatum'
 66BL00021 I G kamtschaticum Fisch. & Mey. var. middendorffianum
 (Maxim.) R.T. Clausen
 73ZS00023 I G kamtschaticum Fisch. & Mey. var. middendorffianum
 (Maxim.) R.T. Clausen
 92HR27111 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR27117 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR27118 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR27126 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR27130 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR27201 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR27205 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR27225 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR27229 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR27230 S E laonicum Boiss. & Heldr. [HRT Crete]
 92HR31101 S E laonicum Boiss. & Heldr. subsp. pallidum 't Hart & van
 Ham [Ham 51.1 Israel]
 92HR31103 S E laonicum Boiss. & Heldr. subsp. pallidum 't Hart & van
 Ham [Ham 51.3 Israel]
 92HR29373 S E V lagascae Pau [HRT Spain]
 92HR29377 S E V lagascae Pau [HRT Spain]

Crassulaceae

92HR29378	S E V	lagascae Pau [HRT <u>Spain</u>]
92HR29388	S E V	lagascae Pau [HRT <u>Spain</u>]
73GR00648	I G	lineare Thunb. 'Variegatum'
92HR27113	S E	litoreum Guss. [HRT <u>Crete</u>]
92HR29627	S E	litoreum Guss. [Ietswaart <u>Crete & Aegean Isls.</u>]
92HR29934	S E	litoreum Guss. [Ietswaart <u>Cyprus</u>]
92HR30229	S E	litoreum Guss. [AH 8 <u>Turkey (Asia Minor)</u>]
92HR30287	S E	litoreum Guss. [AH 66 <u>Turkey (Asia Minor)</u>]
92HR30311	S E	litoreum Guss. [AH 90 <u>Turkey (Asia Minor)</u>]
92HR30956	S E	litoreum Guss. [AH 221 <u>Turkey (Asia Minor)</u>]
92HR31105	S E	litoreum Guss. [Ham 54.1 <u>Israel</u>]
92HR31106	S E	litoreum Guss. [Ham 54.2 <u>Israel</u>]
92HR31107	S E	litoreum Guss. [Ham 54.3 <u>Israel</u>]
92HR31108	S E	litoreum Guss. [Ham 54.4 <u>Israel</u>]
92HR31110	S E	litoreum Guss. [Ham 58.1 <u>Israel</u>]
92HR27132	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27133	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27135	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27137	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27140	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27142	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27143	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27145	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27146	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27148	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27149	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27152	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27163	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27164	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27165	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27166	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27171	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27172	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27173	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27174	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27175	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27176	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27177	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27181	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27188	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27192	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27197	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27199	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27215	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27222	S E	litoreum Guss. subsp. exogamum 't Hart [HRT <u>Crete</u>]
92HR27091	S E	litoreum Guss. subsp. litoreum [HRT <u>Crete</u>]
92HR27093	S E	litoreum Guss. subsp. litoreum [HRT <u>Crete</u>]

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92HR27095	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27098	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27099	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27102	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27105	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27108	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27134	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27155	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27158	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27162	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27182	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27184	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27194	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27216	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27219	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27220	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27224	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27228	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27231	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR27233	S E	litoreum Guss. subsp. litoreum	[HRT <u>Crete</u>]
92HR30301	S E	litoreum Guss. subsp. litoreum	[AH 80 <u>Turkey (Asia Minor)</u>]
92HR29273	S E	x luteolum Chab.	[HRT <u>Spain</u>]
92HR31031	S E	x luteolum Chab.	[HRT 5704 <u>France</u>]
92HR31035	S E	x luteolum Chab.	[HRT 5708 <u>France</u>]
92HR31038	S E	x luteolum Chab.	[HRT 5711 <u>France</u>]
92HR31039	S E	x luteolum Chab.	[HRT 5712 <u>France</u>]
92HR31040	S E	x luteolum Chab.	[HRT 5713 <u>France</u>]
92HR31485	S E	x luteolum Chab.	[Echard <u>Spain</u>]
92HR28234	S E	x luteoviride R.T. Clausen	[Moran 7808 <u>Hidalgo</u>]
92HR30939	S E	lydium Boiss.	[AH 204 <u>Turkey (Asia Minor)</u>]
91BL01344	E	magellense Ten.	[CYT 20000]
91BL01345	E	magellense Ten.	[CYT 28830]
92HR27116	S E	magellense Ten.	[HRT <u>Crete</u>]
92HR27207	S E	magellense Ten.	[HRT <u>Crete</u>]
92HR27210	S E	magellense Ten.	[HRT <u>Crete</u>]
92HR30908	S E	magellense Ten.	[AH 173 <u>Turkey (Asia Minor)</u>]
92HR30913	S E	magellense Ten.	[AH 178 <u>Turkey (Asia Minor)</u>]
92HR31000	S E	magellense Ten.	[HuyssTiel 8812 <u>Italy</u>]
92HR31020	S E	magellense Ten.	[HuyssTiel 8832 <u>Italy</u>]
92HR31021	S E	magellense Ten.	[HuyssTiel 8832 <u>Italy</u>]
92HR32105	S E	magellense Ten.	[AH 897 <u>Turkey (Asia Minor)</u>]
92HR32109	S E	magellense Ten.	[AH 901 <u>Turkey (Asia Minor)</u>]
92HR29502	S E	melantherum DC.	[HRT <u>Spain</u>]
92HR29503	S E	melantherum DC.	[HRT <u>Spain</u>]
92HR29506	S E	melantherum DC.	[HRT <u>Spain</u>]
92HR29507	S E	melantherum DC.	[HRT <u>Spain</u>]
92HR29509	S E	melantherum DC.	[HRT <u>Spain</u>]

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- 92HR29510 S E melantherum DC. [HRT Spain]
 92HR15515 S E meyeri-johannis Engler [HRT 14009 Kenya]
 92HR31073 S E microcarpum Schoenl. [Ham 2.3 Israel]
 92HR31084 S E microcarpum Schoenl. [Ham 23.1 Israel]
 92HR31086 S E microcarpum Schoenl. [Ham 23.3 Israel]
 92HR31090 S E microcarpum Schoenl. [Ham 40.1 Israel]
 92HR31112 S E microcarpum Schoenl. [Ham 58.3 Israel]
 92HR31116 S E microcarpum Schoenl. [Ham 58.7 Israel]
 92HR32226 S E modestum Ball [HRT 26.39 Morocco]
 70GR00229 I G moranense H.B.K.
 92HR31048 S E morrisonense ... [Kramer 10408 Taiwan (incl. Penghuleidao & Lan Yu)]
 92HR27043 S E mucizonia (Ortega) Hamet [Ietswaard 2 Spain]
 92HR27049 S E mucizonia (Ortega) Hamet [Ietswaard 3 Spain]
 92HR27057 S E mucizonia (Ortega) Hamet [Ietswaard 6 Spain]
 92HR29449 S E mucizonia (Ortega) Hamet [HRT Spain]
 92HR29450 S E mucizonia (Ortega) Hamet [HRT Spain]
 92HR29459 S E mucizonia (Ortega) Hamet [HRT Spain]
 92HR29470 S E mucizonia (Ortega) Hamet [HRT Spain]
 92HR29482 S E mucizonia (Ortega) Hamet [HRT Spain]
 92HR29515 S E mucizonia (Ortega) Hamet [HRT Spain]
 92HR29521 S E mucizonia (Ortega) Hamet [HRT Spain]
 92HR29530 S E mucizonia (Ortega) Hamet [HRT Portugal]
 92HR32191 S E mucizonia (Ortega) Hamet [HRT 0.3 Morocco]
 92HR32197 S E mucizonia (Ortega) Hamet [HRT 10.9 Morocco]
 92HR32233 S E mucizonia (Ortega) Hamet [HRT 26.46 Morocco]
 92HR32238 S E mucizonia (Ortega) Hamet [HRT 28.51 Morocco]
 92HR32254 S E mucizonia (Ortega) Hamet [HRT 39.67 Morocco]
 92HR32260 S E mucizonia (Ortega) Hamet [HRT 40.73 Morocco]
 92HR32261 S E mucizonia (Ortega) Hamet [HRT 40.74 Morocco]
 92HR32263 S E mucizonia (Ortega) Hamet [HRT 40.76 Morocco]
 92HR32270 S E mucizonia (Ortega) Hamet [HRT 41b.82 Morocco]
 92HR32271 S E mucizonia (Ortega) Hamet [HRT 41b.83 Morocco]
 92HR32277 S E mucizonia (Ortega) Hamet [HRT 43.89 Morocco]
 92HR32317 S E mucizonia (Ortega) Hamet [HRT 59.130 Morocco]
 92HR32329 S E mucizonia (Ortega) Hamet [HRT 61.142 Morocco]
 92HR32333 S E mucizonia (Ortega) Hamet [HRT 63.159 Morocco]
 92HR32338 S E mucizonia (Ortega) Hamet [HRT 63.164 Morocco]
 92HR31303 S E nanum Boiss. [AH 439 Turkey (Asia Minor)]
 92HR30433 S E nebrodense Gasp. [Raimondo Sicily]
 92HR30434 S E nebrodense Gasp. [Raimondo Sicily]
 92HR30435 S E nebrodense Gasp. [Raimondo Sicily]
 92HR30436 S E nebrodense Gasp. [Raimondo Sicily]
 92HR30437 S E nebrodense Gasp. [Raimondo Sicily]
 92HR28992 S E V nudum Aiton [HRT 3906 Madeira]
 92HR28994 S E V nudum Aiton [HRT 3914 Madeira]
 92HR28995 S E V nudum Aiton [HRT 3915 Madeira]

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- 92HR28996 S E V nudum Aiton [HRT 3916 Madeira]
- 92HR28235 S E nussbaumerianum Bitter [Mexico]
- 92HR30254 S E obtusifolium C.A. Meyer [AH 33 Turkey (Asia Minor)]
- 92HR30842 S E obtusifolium C.A. Meyer [AH 107 Turkey (Asia Minor)]
- 92HR31160 S E obtusifolium C.A. Meyer [AH 296 Turkey (Asia Minor)]
- 92HR31290 S E obtusifolium C.A. Meyer [AH 426 Turkey (Asia Minor)]
- 92HR31405 S E obtusifolium C.A. Meyer [AH 541 Turkey (Asia Minor)]
- 92HR28694 S E ochroleucum Chaix. [HRT 37023 Bulgaria]
- 92HR28702 S E ochroleucum Chaix. [HRT 37033 Bulgaria]
- 92HR29941 S E ochroleucum Chaix. [HRT France]
- 92HR30210 S E ochroleucum Chaix. [HRT Yugoslavia]
- 92HR30218 S E ochroleucum Chaix. [HRT Yugoslavia]
- 92HR30326 S E ochroleucum Chaix. [HRT Greece]
- 92HR30971 S E ochroleucum Chaix. [AH 236 Turkey (Asia Minor)]
- 92HR30975 S E ochroleucum Chaix. [AH 240 Turkey (Asia Minor)]
- 92HR31506 S E ochroleucum Chaix. [Lieutier France]
- 66BL00214 I E ochroleucum Chaix subsp. montanum (Song. & Perr.) D.A. Webb [Alps]
- 66BL00160 I G oreganum Nutt.
- 71BL00325 E oregonense (S. Wats.) M.E. Peck
- 92HR31504 S E oryzifolium Mak. [Nijs Honshu]
- 73GR00649 I G pachyphyllum Rose
- 92HR28236 S G pachyphyllum Rose [Moran 11813]
- 92HR28675 S E pallidum Bieb. [HRT 37004 Bulgaria]
- 92HR28678 S E pallidum Bieb. [HRT 37007 Bulgaria]
- 92HR28687 S E pallidum Bieb. [HRT 37016 Bulgaria]
- 92HR28688 S E pallidum Bieb. [HRT 37017 Bulgaria]
- 92HR30223 S E pallidum Bieb. [AH 2 Turkey (Asia Minor)]
- 92HR30228 S E pallidum Bieb. [AH 7 Turkey (Asia Minor)]
- 92HR30232 S E pallidum Bieb. [AH 11 Turkey (Asia Minor)]
- 92HR30233 S E pallidum Bieb. [AH 12 Turkey (Asia Minor)]
- 92HR30234 S E pallidum Bieb. [AH 13 Turkey (Asia Minor)]
- 92HR30235 S E pallidum Bieb. [AH 14 Turkey (Asia Minor)]
- 92HR30236 S E pallidum Bieb. [AH 15 Turkey (Asia Minor)]
- 92HR30237 S E pallidum Bieb. [AH 16 Turkey (Asia Minor)]
- 92HR30247 S E pallidum Bieb. [AH 26 Turkey (Asia Minor)]
- 92HR30248 S E pallidum Bieb. [AH 27 Turkey (Asia Minor)]
- 92HR30250 S E pallidum Bieb. [AH 29 Turkey (Asia Minor)]
- 92HR30882 S E pallidum Bieb. [AH 147 Turkey (Asia Minor)]
- 92HR31336 S E pallidum Bieb. [AH 472 Turkey (Asia Minor)]
- 92HR31340 S E pallidum Bieb. [AH 476 Turkey (Asia Minor)]
- 92HR31388 S E pallidum Bieb. [AH 524 Turkey (Asia Minor)]
- 92HR31390 S E pallidum Bieb. [AH 526 Turkey (Asia Minor)]
- 20 of 80 accessions sharing this taxon are listed above
- 65BL00250 G palmeri S. Wats.
- 92HR28237 S E palmeri S. Wats. [Moran 7797 Mexico]
- 92HR29338 S E pedicellatum Boiss. & Reuter [HRT Spain]

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- 92HR29342 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29344 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29350 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29355 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29356 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29359 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29360 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29394 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29396 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29404 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29405 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29408 S E pedicellatum Boiss. & Reuter [HRT Spain]
 92HR29416 S E pedicellatum Boiss. & Reuter [HRT Spain]
 82BL00346 G pilosum Fisch. ex Bieb.
 92HR29716 S G pilosum Fisch. ex Bieb.
 92HR31125 S E pilosum Fisch. ex Bieb. [AH 260 Turkey (Asia Minor)]
 92HR31154 S E pilosum Fisch. ex Bieb. [AH 290 Turkey (Asia Minor)]
 92HR31174 S E pilosum Fisch. ex Bieb. [AH 310 Turkey (Asia Minor)]
 92HR31345 S E pilosum Fisch. ex Bieb. [AH 481 Turkey (Asia Minor)]
 92HR31353 S E pilosum Fisch. ex Bieb. [AH 489 Turkey (Asia Minor)]
 92HR31369 S E pilosum Fisch. ex Bieb. [AH 505 Turkey (Asia Minor)]
 92HR31397 S E pilosum Fisch. ex Bieb. [AH 533 Turkey (Asia Minor)]
 92HR28238 S E platyphyllum S.H. Fu [Moran 10142 Oaxaca]
 87BL00204 G populifolium Pall.
 87BL00615 G populifolium Pall.
 88BL00291 I G populifolium Pall.
 92HR29361 S E R pruinatum Brot. [HRT Spain]
 92HR29558 S E R pruinatum Brot. [HRT Portugal]
 92HR29565 S E R pruinatum Brot. [HRT Portugal]
 92HR31072 S E R pruinatum Brot. [Thiede]
 92HR31627 S E pubescens Vahl [Winden 1 Tunesia]
 88BL00090 E purdyi Jeps. [RR&KZ 70663 California]
 87BL00179 E reflexum L. [France]
 87BL00210 G reflexum L.
 87BL00353 E reflexum L. [Sweden]
 92HR27101 S E rubens L. [HRT Crete]
 92HR27112 S E rubens L. [HRT Crete]
 92HR27125 S E rubens L. [HRT Crete]
 92HR27136 S E rubens L. [HRT Crete]
 92HR30221 S E rubens L. [HRT Thracia]
 92HR30275 S E rubens L. [AH 54 Turkey (Asia Minor)]
 92HR30295 S E rubens L. [AH 74 Turkey (Asia Minor)]
 92HR30957 S E rubens L. [AH 222 Turkey (Asia Minor)]
 92HR30973 S E rubens L. [AH 238 Turkey (Asia Minor)]
 92HR31074 S E rubens L. [Ham 2.4 Israel]
 92HR31081 S E rubens L. [Ham 13.4 Israel]
 92HR31109 S E rubens L. [Ham 57.1 Israel]

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- 92HR31117 S E rubens L. [Ham 58.8 Israel]
- 92HR31848 S E rubens L. [Thiede]
- 92HR32058 S E rubens L. [AH 850 Turkey (Asia Minor)]
- 92HR32062 S E rubens L. [AH 854 Turkey (Asia Minor)]
- 92HR32125 S E rubens L. [AH 917 Turkey (Asia Minor)]
- 92HR32133 S E rubens L. [AH 925 Turkey (Asia Minor)]
- 92HR32195 S E rubens L. [HRT 10.7 Morocco]
- 92HR32204 S E rubens L. [HRT 13.17 Morocco]
- 92HR32221 S E rubens L. [HRT 22.33 Morocco]
- 92HR32293 S E rubens L. [HRT 49.105 Morocco]
- 92HR32316 S E rubens L. [HRT 59.129 Morocco]
- 92HR32332 S E rubens L. [HRT 62.145 Morocco]
- 25 of 89 accessions sharing this taxon are listed above
- 92HR30297 S E rubens L. subsp. caricum (Carlstrom) ... [AH 76 Turkey (Asia Minor)]
- 92HR30302 S E rubens L. subsp. caricum (Carlstrom) ... [AH 81 Turkey (Asia Minor)]
- 92HR30303 S E rubens L. subsp. caricum (Carlstrom) ... [AH 82 Turkey (Asia Minor)]
- 92HR29256 S E rubens L subsp. rubens [HRT Spain]
- 92HR29454 S E rubens L subsp. rubens [HRT Spain]
- 92HR29537 S E rubens L subsp. rubens [HRT Portugal]
- 92HR29582 S E rubens L subsp. rubens [HRT Portugal]
- 92HR29939 S E rubens L subsp. rubens [HRT France]
- 92HR30211 S E rubens L subsp. rubens [HRT Yugoslavia]
- 92HR30216 S E rubens L subsp. rubens [HRT Yugoslavia]
- 92HR30224 S E rubens L subsp. rubens [AH 3 Turkey (Asia Minor)]
- 92HR30299 S E rubens L subsp. rubens [AH 78 Turkey (Asia Minor)]
- 92HR30305 S E rubens L subsp. rubens [AH 84 Turkey (Asia Minor)]
- 92HR30516 S E rubens L subsp. rubens [HS Mallorca]
- 11 of 18 accessions sharing this taxon are listed above
- 92HR27094 S E rubens L. subsp. spathulifolium 't Hart [HRT Crete]
- 92HR27104 S E rubens L. subsp. spathulifolium 't Hart [HRT Crete]
- 73GR00647 I G rubrotinctum R.T. Clausen
- 74GR00294 I G rubrotinctum R.T. Clausen 'Aurora'
- 92HR27045 S E rupestre L. [Ietswaart 3 Spain]
- 92HR27046 S E rupestre L. [Ietswaart 3 Spain]
- 92HR27047 S E rupestre L. [Ietswaart 3 Spain]
- 92HR28704 S E rupestre L. [HRT 37035 Bulgaria]
- 92HR31847 S E rupestre L. [Stevens W. Germany]
- 92HR29233 S E rupestre L. subsp. rupestre [HRT Spain]
- 92HR29236 S E rupestre L. subsp. rupestre [HRT Spain]
- 92HR29237 S E rupestre L. subsp. rupestre [HRT Spain]
- 92HR29238 S E rupestre L. subsp. rupestre [HRT Spain]
- 92HR29241 S E rupestre L. subsp. rupestre [HRT Spain]
- 92HR29243 S E rupestre L. subsp. rupestre [HRT Spain]
- 92HR29276 S E rupestre L. subsp. rupestre [HRT Spain]

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- 92HR29277 S E rupestre L. subsp. rupestre [HRT Spain]
 92HR29279 S E rupestre L. subsp. rupestre [HRT Spain]
 92HR29280 S E rupestre L. subsp. rupestre [HRT Spain]
 10 of 24 accessions sharing this taxon are listed above
 92HR15514 S E ruwenzoriense Baker [HRT 14008 Kenya]
 92HR30281 S E samium Runemark & Greuter [AH 60 Turkey (Asia Minor)]
 92HR30284 S E samium Runemark & Greuter [AH 63 Turkey (Asia Minor)]
 92HR32008 S E samium Runemark & Greuter subsp. micranthum Alpinar & 't Hart [AH 800 Turkey (Asia Minor)]
 92HR32018 S E samium Runemark & Greuter subsp. micranthum Alpinar & 't Hart [AH 810 Turkey (Asia Minor)]
 92HR32040 S E samium Runemark & Greuter subsp. micranthum Alpinar & 't Hart [AH 832 Turkey (Asia Minor)]
 92HR21993 S E sediforme (Jacq.) Pau [Loon 38 Portugal]
 92HR21997 S E sediforme (Jacq.) Pau [Loon 45 Portugal]
 92HR22007 S E sediforme (Jacq.) Pau [Loon 55 Spain]
 92HR27040 S E sediforme (Jacq.) Pau [Ietswaart 1 Spain]
 92HR27073 S E sediforme (Jacq.) Pau [Ietswaart 11 Spain]
 92HR27074 S E sediforme (Jacq.) Pau [Ietswaart 12 Spain]
 92HR27096 S E sediforme (Jacq.) Pau [HRT Crete]
 92HR29234 S E sediforme (Jacq.) Pau [HRT Spain]
 92HR29235 S E sediforme (Jacq.) Pau [HRT Spain]
 92HR29524 S E sediforme (Jacq.) Pau [HRT Spain]
 92HR29525 S E sediforme (Jacq.) Pau [HRT Spain]
 92HR29536 S E sediforme (Jacq.) Pau [HRT Portugal]
 92HR29538 S E sediforme (Jacq.) Pau [HRT Portugal]
 92HR29546 S E sediforme (Jacq.) Pau [HRT Portugal]
 92HR29604 S E sediforme (Jacq.) Pau [Loon Malta]
 92HR29607 S E sediforme (Jacq.) Pau [HRT Portugal]
 92HR30222 S E sediforme (Jacq.) Pau [AH 1 Turkey (Asia Minor)]
 92HR30225 S E sediforme (Jacq.) Pau [AH 4 Turkey (Asia Minor)]
 92HR30397 S E sediforme (Jacq.) Pau [Egglis 755 Turkey (Asia Minor)]
 92HR30407 S E sediforme (Jacq.) Pau [Egglis 357 Caucasus]
 92HR30841 S E sediforme (Jacq.) Pau [AH 106 Turkey (Asia Minor)]
 92HR30888 S E sediforme (Jacq.) Pau [AH 153 Turkey (Asia Minor)]
 92HR30955 S E sediforme (Jacq.) Pau [AH 220 Turkey (Asia Minor)]
 92HR31003 S E sediforme (Jacq.) Pau [HuyssTiel 8815 Italy]
 92HR31030 S E sediforme (Jacq.) Pau [HRT 5703 France]
 92HR31034 S E sediforme (Jacq.) Pau [HRT 5707 France]
 92HR31049 S E sediforme (Jacq.) Pau [Cortenraad Italy]
 92HR31062 S E sediforme (Jacq.) Pau [Kliphuis Spain]
 92HR31063 S E sediforme (Jacq.) Pau [Kliphuis Spain]
 92HR31111 S E sediforme (Jacq.) Pau [Ham 58.2 Israel]
 92HR31115 S E sediforme (Jacq.) Pau [Ham 58.6 Israel]
 92HR31507 S E sediforme (Jacq.) Pau [Lieutier France]
 92HR32024 S E sediforme (Jacq.) Pau [AH 816 Turkey (Asia Minor)]
 92HR32215 S E sediforme (Jacq.) Pau [HRT 17.28 Morocco]

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- 92HR32217 S E sediforme (Jacq.) Pau [HRT 17.30a Morocco]
 92HR32218 S E sediforme (Jacq.) Pau [HRT 17.30b Morocco]
 36 of 114 accessions sharing this taxon are listed above
 69BL00408 I G sempervivoides Fisch. ex Bieb.
 92HR29717 S G sempervivoides Fisch. ex Bieb.
 92HR31153 S E sempervivoides Fisch. ex Bieb. [AH 289 Turkey (Asia Minor)]
 92HR31185 S E sempervivoides Fisch. ex Bieb. [AH 321 Turkey (Asia Minor)]
 92HR31314 S E sempervivoides Fisch. ex Bieb. [AH 450 Turkey (Asia Minor)]
 92HR31319 S E sempervivoides Fisch. ex Bieb. [AH 455 Turkey (Asia Minor)]
 92HR31998 S E sempervivoides Fisch. ex Bieb. [AH 790 Turkey (Asia Minor)]
 92HR32111 S E sempervivoides Fisch. ex Bieb. [AH 903 Turkey (Asia Minor)]
 92BL00781 E sempervivoides Fisch. ex M.B. var. glaucophyllum ... [CYT 31737]
 65BL00156 I G sexangulare L.
 92HR29718 S E sexangulare L. [Bulgaria]
 92HR30209 S E sexangulare L. [HRT Yugoslavia]
 92HR30990 S E sexangulare L. [HuyssTiel 8802 Italy]
 92HR30992 S E sexangulare L. [HuyssTiel 8804 Italy]
 92HR31005 S E sexangulare L. [HuyssTiel 8817 Italy]
 92HR31006 S E sexangulare L. [HuyssTiel 8818 Italy]
 92HR31015 S E sexangulare L. [HuyssTiel 8827 Italy]
 92HR31016 S E sexangulare L. [HuyssTiel 8828 Italy]
 92HR31026 S E sexangulare L. [HuyssTiel 8838 Italy]
 70BL00154 E spathulifolium W.J. Hook.
 67BL00216 G spathulifolium W.J. Hook. 'Capablanca'
 84BL00278 S spec. [China]
 92BL00785 E spec. [CYT 28836]
 92BL00786 E spec. [CYT 20060]
 92BL00794 U spec.
 92HR30993 E spec. [HuyssTiel 8805 Italy]
 92HR30998 E spec. [HuyssTiel 8810 Italy]
 92HR31002 E spec. [HuyssTiel 8814 Italy]
 92HR31007 E spec. [HuyssTiel 8819 Italy]
 92HR31009 E spec. [HuyssTiel 8821 Italy]
 92HR31011 E spec. [HuyssTiel 8823 Italy]
 92HR31014 E spec. [HuyssTiel 8826 Italy]
 92HR31017 E spec. [HuyssTiel 8829 Italy]
 92HR31019 E spec. [HuyssTiel 8831 Italy]
 92HR31023 E spec. [HuyssTiel 8835 Italy]
 69BL00436 I G spectabile Bor.
 75ZS00100 I G spectabile Bor.

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70ZS00019	G	spectabile Bor. 'Brilliant'
66BL00124	G	spectabile Bor. 'Carmen'
91GR01492	G	spectabile Bor. 'Carmen'
65BL00132	I G	spurium Bieb.
92HR31187	S E	spurium Bieb. [AH 323 <u>Turkey (Asia Minor)</u>]
92HR31192	S E	spurium Bieb. [AH 328 <u>Turkey (Asia Minor)</u>]
92HR31195	S E	spurium Bieb. [AH 331 <u>Turkey (Asia Minor)</u>]
92HR31199	S E	spurium Bieb. [AH 335 <u>Turkey (Asia Minor)</u>]
92HR31203	S E	spurium Bieb. [AH 339 <u>Turkey (Asia Minor)</u>]
92HR31206	S E	spurium Bieb. [AH 342 <u>Turkey (Asia Minor)</u>]
92HR31334	S E	spurium Bieb. [AH 470 <u>Turkey (Asia Minor)</u>]
92HR31341	S E	spurium Bieb. [AH 477 <u>Turkey (Asia Minor)</u>]
92HR31362	S E	spurium Bieb. [AH 498 <u>Turkey (Asia Minor)</u>]
92HR31370	S E	spurium Bieb. [AH 506 <u>Turkey (Asia Minor)</u>]
92HR31375	S E	spurium Bieb. [AH 511 <u>Turkey (Asia Minor)</u>]
92HR31393	S E	spurium Bieb. [AH 529 <u>Turkey (Asia Minor)</u>]
66BL00313	I G	spurium Bieb. 'Schorbusser Blut'
72BL00272	I G	spurium Bieb. 'Variegatum'
72GR00221	I G	stahlian Solms-Laub.
92HR31486	S E	stellatum L. [Mayer <u>Sardinia</u>]
78BL00014	E	stenopetalum Pursh [<u>Alberta</u>]
92HR30263	S E	steudeli Boiss. [AH 42 <u>Turkey (Asia Minor)</u>]
92HR30265	S E	steudeli Boiss. [AH 44 <u>Turkey (Asia Minor)</u>]
92HR30272	S E	steudeli Boiss. [AH 51 <u>Turkey (Asia Minor)</u>]
92HR30277	S E	steudeli Boiss. [AH 56 <u>Turkey (Asia Minor)</u>]
92HR31216	S E	steudeli Boiss. [AH 352 <u>Turkey (Asia Minor)</u>]
92HR31219	S E	steudeli Boiss. [AH 355 <u>Turkey (Asia Minor)</u>]
92HR31222	S E	steudeli Boiss. [AH 358 <u>Turkey (Asia Minor)</u>]
92HR31236	S E	steudeli Boiss. [AH 372 <u>Turkey (Asia Minor)</u>]
92HR31246	S E	steudeli Boiss. [AH 382 <u>Turkey (Asia Minor)</u>]
92HR31248	S E	steudeli Boiss. [AH 384 <u>Turkey (Asia Minor)</u>]
92HR31249	S E	steudeli Boiss. [AH 385 <u>Turkey (Asia Minor)</u>]
92HR31254	S E	steudeli Boiss. [AH 390 <u>Turkey (Asia Minor)</u>]
92HR31260	S E	steudeli Boiss. [AH 396 <u>Turkey (Asia Minor)</u>]
92HR31264	S E	steudeli Boiss. [AH 400 <u>Turkey (Asia Minor)</u>]
92HR31270	S E	steudeli Boiss. [AH 406 <u>Turkey (Asia Minor)</u>]
92HR31272	S E	steudeli Boiss. [AH 408 <u>Turkey (Asia Minor)</u>]
92HR31274	S E	steudeli Boiss. [AH 410 <u>Turkey (Asia Minor)</u>]
92HR31278	S E	steudeli Boiss. [AH 414 <u>Turkey (Asia Minor)</u>]
92HR31291	S E	steudeli Boiss. [AH 427 <u>Turkey (Asia Minor)</u>]
92HR31294	S E	steudeli Boiss. [AH 430 <u>Turkey (Asia Minor)</u>]
92HR31295	S E	steudeli Boiss. [AH 431 <u>Turkey (Asia Minor)</u>]
92HR31307	S E	steudeli Boiss. [AH 443 <u>Turkey (Asia Minor)</u>]
92HR31325	S E	steudeli Boiss. [AH 461 <u>Turkey (Asia Minor)</u>]
92HR31991	S E	steudeli Boiss. [AH 782 <u>Turkey (Asia Minor)</u>]
92HR32002	S E	steudeli Boiss. [AH 794 <u>Turkey (Asia Minor)</u>]
92HR32005	S E	steudeli Boiss. [AH 797 <u>Turkey (Asia Minor)</u>]

Crassulaceae

- 92HR32007 S E steudelii Boiss. [AH 799 Turkey (Asia Minor)]
 92HR32009 S E steudelii Boiss. [AH 801 Turkey (Asia Minor)]
 92HR32014 S E steudelii Boiss. [AH 806 Turkey (Asia Minor)]
 92HR32015 S E steudelii Boiss. [AH 806 Turkey (Asia Minor)]
 92HR32017 S E steudelii Boiss. [AH 809 Turkey (Asia Minor)]
 92HR32021 S E steudelii Boiss. [AH 813 Turkey (Asia Minor)]
 92HR32023 S E steudelii Boiss. [AH 815 Turkey (Asia Minor)]
 92HR32026 S E steudelii Boiss. [AH 818 Turkey (Asia Minor)]
 92HR32047 S E steudelii Boiss. [AH 839 Turkey (Asia Minor)]
 92HR32053 S E steudelii Boiss. [AH 845 Turkey (Asia Minor)]
 92HR32064 S E steudelii Boiss. [AH 856 Turkey (Asia Minor)]
 92HR32071 S E steudelii Boiss. [AH 863 Turkey (Asia Minor)]
 92HR32091 S E steudelii Boiss. [AH 883 Turkey (Asia Minor)]
 92HR32100 S E steudelii Boiss. [AH 892 Turkey (Asia Minor)]
 92HR32108 S E steudelii Boiss. [AH 900 Turkey (Asia Minor)]
 92HR32114 S E steudelii Boiss. [AH 906 Turkey (Asia Minor)]
 92HR32123 S E steudelii Boiss. [AH 915 Turkey (Asia Minor)]
 92HR32130 S E steudelii Boiss. [AH 922 Turkey (Asia Minor)]
 92HR32136 S E steudelii Boiss. [AH 754 Turkey (Asia Minor)]
 92HR30408 S E stevenianum Rouy & Camus [Eggl 448 Caucasus]
 92HR30409 S E stevenianum Rouy & Camus [Eggl 387 Caucasus]
 77BL00127 I E stoloniferum S. Gmelin [Caucasus]
 92HR30853 S E stoloniferum S. Gmelin [AH 118 Turkey (Asia Minor)]
 92HR30860 S E stoloniferum S. Gmelin [AH 125 Turkey (Asia Minor)]
 92HR31357 S E stoloniferum S. Gmelin [AH 493 Turkey (Asia Minor)]
 92HR31358 S E stoloniferum S. Gmelin [AH 494 Turkey (Asia Minor)]
 92HR31365 S E stoloniferum S. Gmelin [AH 501 Turkey (Asia Minor)]
 92HR31366 S E stoloniferum S. Gmelin [AH 502 Turkey (Asia Minor)]
 92HR31374 S E stoloniferum S. Gmelin [AH 510 Turkey (Asia Minor)]
 92HR31379 S E stoloniferum S. Gmelin [AH 515 Turkey (Asia Minor)]
 92HR31380 S E stoloniferum S. Gmelin [AH 516 Turkey (Asia Minor)]
 92HR31383 S E stoloniferum S. Gmelin [AH 519 Turkey (Asia Minor)]
 92HR31387 S E stoloniferum S. Gmelin [AH 523 Turkey (Asia Minor)]
 92HR31129 S E subulatum (C.A. Meyer) Boiss. [AH 264 Turkey (Asia Minor)]
 92HR31141 S E subulatum (C.A. Meyer) Boiss. [AH 277 Turkey (Asia Minor)]
 92HR31146 S E subulatum (C.A. Meyer) Boiss. [AH 282 Turkey (Asia Minor)]
 92HR31151 S E subulatum (C.A. Meyer) Boiss. [AH 287 Turkey (Asia Minor)]
 92HR31156 S E subulatum (C.A. Meyer) Boiss. [AH 292 Turkey (Asia Minor)]
 92HR31164 S E subulatum (C.A. Meyer) Boiss. [AH 300 Turkey (Asia Minor)]
 92HR31167 S E subulatum (C.A. Meyer) Boiss. [AH 303 Turkey (Asia Minor)]

Crassulaceae

- 92HR31168 S E subulatum (C.A. Meyer) Boiss. [AH 304 Turkey (Asia Minor)]
- 92HR31176 S E subulatum (C.A. Meyer) Boiss. [AH 312 Turkey (Asia Minor)]
- 92HR31182 S E subulatum (C.A. Meyer) Boiss. [AH 318 Turkey (Asia Minor)]
- 92HR31188 S E subulatum (C.A. Meyer) Boiss. [AH 324 Turkey (Asia Minor)]
- 92HR31208 S E subulatum (C.A. Meyer) Boiss. [AH 344 Turkey (Asia Minor)]
- 92HR31211 S E subulatum (C.A. Meyer) Boiss. [AH 347 Turkey (Asia Minor)]
- 92HR31214 S E subulatum (C.A. Meyer) Boiss. [AH 350 Turkey (Asia Minor)]
- 92HR31221 S E subulatum (C.A. Meyer) Boiss. [AH 357 Turkey (Asia Minor)]
- 92HR31228 S E subulatum (C.A. Meyer) Boiss. [AH 364 Turkey (Asia Minor)]
- 92HR31238 S E subulatum (C.A. Meyer) Boiss. [AH 374 Turkey (Asia Minor)]
- 92HR31241 S E subulatum (C.A. Meyer) Boiss. [AH 377 Turkey (Asia Minor)]
- 92HR31247 S E subulatum (C.A. Meyer) Boiss. [AH 383 Turkey (Asia Minor)]
- 92HR31250 S E subulatum (C.A. Meyer) Boiss. [AH 386 Turkey (Asia Minor)]
- 92HR31265 S E subulatum (C.A. Meyer) Boiss. [AH 401 Turkey (Asia Minor)]
- 92HR31275 S E subulatum (C.A. Meyer) Boiss. [AH 411 Turkey (Asia Minor)]
- 92HR31282 S E subulatum (C.A. Meyer) Boiss. [AH 418 Turkey (Asia Minor)]
- 92HR31286 S E subulatum (C.A. Meyer) Boiss. [AH 422 Turkey (Asia Minor)]
- 92HR31288 S E subulatum (C.A. Meyer) Boiss. [AH 424 Turkey (Asia Minor)]
- 92HR31293 S E subulatum (C.A. Meyer) Boiss. [AH 429 Turkey (Asia Minor)]
- 92HR31328 S E subulatum (C.A. Meyer) Boiss. [AH 464 Turkey (Asia Minor)]
- 92HR31404 S E subulatum (C.A. Meyer) Boiss. [AH 540 Turkey (Asia Minor)]
- 92HR31976 S E subulatum (C.A. Meyer) Boiss. [AH 767 Turkey (Asia Minor)]
- 92HR31979 S E subulatum (C.A. Meyer) Boiss. [AH 770 Turkey (Asia Minor)]
- 92HR32056 S E subulatum (C.A. Meyer) Boiss. [AH 848 Turkey (Asia Minor)]

Crassulaceae

- 81BL00119 E takesimense Nakai [S.Korea]
- 92HR28697 S E telephium L. [HRT 37027 Bulgaria]
- 92HR28698 S E telephium L. [HRT 37027 Bulgaria]
- 92HR29724 S E telephium L. [Gadella 26494A Poland]
- 92HR29725 S E telephium L. [Gadella 26440D Poland]
- 92HR29936 S E telephium L. [HRT France]
- 92HR29937 S E telephium L. [HRT France]
- 92HR30867 S E telephium L. [AH 132 Turkey (Asia Minor)]
- 92HR31028 S E telephium L. [HRT 5701 France]
- 92HR31029 S E telephium L. [HRT 5702 France]
- 92HR31155 S E telephium L. [AH 291 Turkey (Asia Minor)]
- 92HR31162 S E telephium L. [AH 298 Turkey (Asia Minor)]
- 92HR31169 S E telephium L. [AH 305 Turkey (Asia Minor)]
- 92HR31209 S E telephium L. [AH 345 Turkey (Asia Minor)]
- 92HR31215 S E telephium L. [AH 351 Turkey (Asia Minor)]
- 92HR31339 S E telephium L. [AH 475 Turkey (Asia Minor)]
- 15 of 30 accessions sharing this taxon are listed above
- 66BL00267 E telephium L. subsp. fabaria (W.D.J. Koch) Kirschl.
- 66BL00094 I G telephium L. subsp. maximum (L.) Krock.
- 78BL00345 E telephium L. subsp. maximum (L.) Krock.
- 66BL00271 E telephium L. subsp. telephium
- 91ZS01736 U telephium L. subsp. telephium
- 92HR30410 S E tenellum Bieb. [Eggli 493 Caucasus]
- 92HR31130 S E tenellum Bieb. [AH 265 Turkey (Asia Minor)]
- 92HR31136 S E tenellum Bieb. [AH 272 Turkey (Asia Minor)]
- 92HR31137 S E tenellum Bieb. [AH 273 Turkey (Asia Minor)]
- 92HR31140 S E tenellum Bieb. [AH 276 Turkey (Asia Minor)]
- 92HR31226 S E tenellum Bieb. [AH 362 Turkey (Asia Minor)]
- 92HR31227 S E tenellum Bieb. [AH 363 Turkey (Asia Minor)]
- 92HR31284 S E tenellum Bieb. [AH 420 Turkey (Asia Minor)]
- 92HR31300 S E tenellum Bieb. [AH 436 Turkey (Asia Minor)]
- 92HR31301 S E tenellum Bieb. [AH 437 Turkey (Asia Minor)]
- 92HR31343 S E tenellum Bieb. [AH 479 Turkey (Asia Minor)]
- 92HR31349 S E tenellum Bieb. [AH 485 Turkey (Asia Minor)]
- 92HR31367 S E tenellum Bieb. [AH 503 Turkey (Asia Minor)]
- 92HR31385 S E tenellum Bieb. [AH 521 Turkey (Asia Minor)]
- 92HR31394 S E tenellum Bieb. [AH 530 Turkey (Asia Minor)]
- 73GR00643 I G treleasei Rose
- 92HR28239 S E treleasei Rose [Mexico]
- 92HR27109 S E tristriatum Boiss. & Heldr. [HRT Crete]
- 92HR27114 S E tristriatum Boiss. & Heldr. [HRT Crete]
- 92HR27121 S E tristriatum Boiss. & Heldr. [HRT Crete]
- 92HR27124 S E tristriatum Boiss. & Heldr. [HRT Crete]
- 92HR27129 S E tristriatum Boiss. & Heldr. [HRT Crete]
- 92HR27131 S E tristriatum Boiss. & Heldr. [HRT Crete]
- 92HR27141 S E tristriatum Boiss. & Heldr. [HRT Crete]
- 92HR27150 S E tristriatum Boiss. & Heldr. [HRT Crete]

Crassulaceae

92HR27203	S E	tristriatum Boiss. & Heldr. [HRT <u>Crete</u>]
92HR27209	S E	tristriatum Boiss. & Heldr. [HRT <u>Crete</u>]
92HR27211	S E	tristriatum Boiss. & Heldr. [HRT <u>Crete</u>]
92HR28690	S E	tuberiferum Stoj. & Stef. [HRT 37019 <u>Bulgaria</u>]
92HR28695	S E	tuberiferum Stoj. & Stef. [HRT 37024 <u>Bulgaria</u>]
92HR28700	S E	tuberiferum Stoj. & Stef. [HRT 37031 <u>Bulgaria</u>]
92HR28718	S E	tuberiferum Stoj. & Stef. [HRT 37051 <u>Bulgaria</u>]
92HR28719	S E	tuberiferum Stoj. & Stef. [HRT 37051 <u>Bulgaria</u>]
92HR30213	S E	tuberiferum Stoj. & Stef. [HRT <u>Yugoslavia</u>]
92HR30214	S E	tuberiferum x S. urvillei [HRT <u>Yugoslavia</u>]
92HR30215	S E	tuberiferum x S. urvillei [HRT <u>Yugoslavia</u>]
91BL01343	E	ursi 't Hart [CYT 31726]
92HR30396	E	ursi 't Hart [Eggl 729A <u>Turkey (Asia Minor)</u>]
92HR31321	S E	ursi 't Hart [AH 457 <u>Turkey (Asia Minor)</u>]
92HR31980	S E	ursi 't Hart [AH 771 <u>Turkey (Asia Minor)</u>]
92HR31992	S E	ursi 't Hart [AH 783 <u>Turkey (Asia Minor)</u>]
92HR32066	S E	ursi 't Hart [AH 858 <u>Turkey (Asia Minor)</u>]
92HR32072	S E	ursi 't Hart [AH 864 <u>Turkey (Asia Minor)</u>]
92HR32078	S E	ursi 't Hart [AH 870 <u>Turkey (Asia Minor)</u>]
92HR32080	S E	ursi 't Hart [AH 872 <u>Turkey (Asia Minor)</u>]
92HR32083	S E	ursi 't Hart [AH 875 <u>Turkey (Asia Minor)</u>]
92HR32098	S E	ursi 't Hart [AH 890 <u>Turkey (Asia Minor)</u>]
92HR32103	S E	ursi 't Hart [AH 895 <u>Turkey (Asia Minor)</u>]
92HR32110	S E	ursi 't Hart [AH 902 <u>Turkey (Asia Minor)</u>]
92HR28691	S E	urvillei DC. [HRT 37020 <u>Bulgaria</u>]
92HR28692	S E	urvillei DC. [HRT 37021 <u>Bulgaria</u>]
92HR28696	S E	urvillei DC. [HRT 37025 <u>Bulgaria</u>]
92HR28701	S E	urvillei DC. [HRT 37032 <u>Bulgaria</u>]
92HR28707	S E	urvillei DC. [HRT 37038 <u>Bulgaria</u>]
92HR30212	S E	urvillei DC. [HRT <u>Yugoslavia</u>]
92HR30217	S E	urvillei DC. [HRT <u>Yugoslavia</u>]
92HR30249	S E	urvillei DC. [AH 28 <u>Turkey (Asia Minor)</u>]
92HR30262	S E	urvillei DC. [AH 41 <u>Turkey (Asia Minor)</u>]
92HR30264	S E	urvillei DC. [AH 43 <u>Turkey (Asia Minor)</u>]
92HR30266	S E	urvillei DC. [AH 45 <u>Turkey (Asia Minor)</u>]
92HR30267	S E	urvillei DC. [AH 46 <u>Turkey (Asia Minor)</u>]
92HR30269	S E	urvillei DC. [AH 48 <u>Turkey (Asia Minor)</u>]
92HR30270	S E	urvillei DC. [AH 49 <u>Turkey (Asia Minor)</u>]
92HR30274	S E	urvillei DC. [AH 53 <u>Turkey (Asia Minor)</u>]
92HR30278	S E	urvillei DC. [AH 57 <u>Turkey (Asia Minor)</u>]
92HR30846	S E	urvillei DC. [AH 111 <u>Turkey (Asia Minor)</u>]
92HR30848	S E	urvillei DC. [AH 113 <u>Turkey (Asia Minor)</u>]
92HR30849	S E	urvillei DC. [AH 114 <u>Turkey (Asia Minor)</u>]
92HR30873	S E	urvillei DC. [AH 138 <u>Turkey (Asia Minor)</u>]
92HR30876	S E	urvillei DC. [AH 141 <u>Turkey (Asia Minor)</u>]
92HR30881	S E	urvillei DC. [AH 146 <u>Turkey (Asia Minor)</u>]
92HR30889	S E	urvillei DC. [AH 154 <u>Turkey (Asia Minor)</u>]

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92HR30960	S E	urvillei DC. [AH 225 <u>Turkey (Asia Minor)</u>]
92HR30965	S E	urvillei DC. [AH 230 <u>Turkey (Asia Minor)</u>]
92HR30972	S E	urvillei DC. [AH 237 <u>Turkey (Asia Minor)</u>]
92HR30974	S E	urvillei DC. [AH 239 <u>Turkey (Asia Minor)</u>]
92HR30977	S E	urvillei DC. [AH 242 <u>Turkey (Asia Minor)</u>]
92HR30981	S E	urvillei DC. [AH 246 <u>Turkey (Asia Minor)</u>]
92HR31965	S E	urvillei DC. [AH 756 <u>Turkey (Asia Minor)</u>]
92HR32003	S E	urvillei DC. [AH 795 <u>Turkey (Asia Minor)</u>]
92HR32106	S E	urvillei DC. [AH 898 <u>Turkey (Asia Minor)</u>]
92HR32115	S E	urvillei DC. [AH 907 <u>Turkey (Asia Minor)</u>]
92HR32117	S E	urvillei DC. [AH 909 <u>Turkey (Asia Minor)</u>]
92HR32120	S E	urvillei DC. [AH 912 <u>Turkey (Asia Minor)</u>]
92HR32122	S E	urvillei DC. [AH 914 <u>Turkey (Asia Minor)</u>]
92HR32131	S E	urvillei DC. [AH 923 <u>Turkey (Asia Minor)</u>]
92HR32134	S E	urvillei DC. [AH 926 <u>Turkey (Asia Minor)</u>]
86BL00052	E	verticillatum L. [Japan]
92HR29390	S E	villosum L. [HRT <u>Spain</u>]
92HR29392	S E	villosum L. [HRT <u>Spain</u>]
92HR29401	S E	villosum L. [HRT <u>Spain</u>]
92HR29403	S E	villosum L. [HRT <u>Spain</u>]
92HR32282	S E	villosum L. [HRT 44.94 <u>Morocco</u>]
92HR32289	S E	villosum L. [HRT 45.101 <u>Morocco</u>]
92HR32301	S E	villosum L. [HRT 57.113 <u>Morocco</u>]

Sempervivella

77BL00279	G	alba (Edgew.) Stapf
92BL00796	K	alba (Edgew.) Stapf
77BL00280	G	sedoides (Decne.) Stapf

Sempervivum

83BL00453	E	arachnoideum L. subsp. arachnoideum [N 8333 <u>Switzerland</u>]
92BL00772	K	arachnoideum L. subsp. arachnoideum
69BL00428	G	arachnoideum L. subsp. glabrescens Willk.
78BL00219	E	arachnoideum L. subsp. tomentosum (C.B.Lehm. & Schnit- tsp.) Schinz & Thell. [<u>France</u>]
92HR30411	S E R	armenum Boiss. & Huet [AH 101 <u>Turkey (Asia Minor)</u>]
92HR30412	S E R	armenum Boiss. & Huet [AH 102 <u>Turkey (Asia Minor)</u>]
69BL00414	G	x barbulatum Schott
92BL00361	S	cantabricum J.A. Huber
92BL00791	K R	ciliolum Craib
92HR30617	S E R	ciliolum Craib [HRT 37-186 <u>Macedonia</u>]
65BL00653	G	'Commander Hay'
65BL00521	G	dolomiticum Facch.
78BL00380	E	grandiflorum Haw.
92BL00797	K	'Hey Hey'
78BL00125	E	leucanthum Panc. [<u>Yugoslavia</u>]
66BL00312	G	marmoreum Griseb.

Crassulaceae

87BL00178	E	montanum L. subsp. montanum [France]
87BL00330	E	montanum L. subsp. montanum [Italy]
78BL00126	E	montanum L. subsp. stiriacum Wettst. ex Hayek [Austria]
78BL00339	E	montanum L. subsp. stiriacum Wettst. ex Hayek [Austria]
92BL00362	S	nevadense <u>Wale</u>
78BL00289	E	preissianum <u>Domin [Poland]</u>
92BL00790	K	'Red Chief'
83BL00452	E	spec. [N 8311 <u>Switzerland</u>]
92HR30602	E	spec. [HRT 36-56 <u>France</u>]
92HR30604	E	spec. [HRT 36-69 <u>France</u>]
92HR30605	E	spec. [HRT 36-92 <u>France</u>]
92HR30606	E	spec. [GulikViss. 82-1 <u>France</u>]
92HR30607	E	spec. [GulikViss. 82-1 <u>France</u>]
92HR30608	E	spec. [GulikViss. 82-2 <u>France</u>]
92HR30609	E	spec. [GulikViss. 82-4 <u>France</u>]
92HR30610	E	spec. [GulikViss. 82-5 <u>France</u>]
92HR30611	E	spec. [GulikViss. 82-5 <u>France</u>]
92HR30615	E	spec. [HRT 37-56 <u>Macedonia</u>]
92HR30616	E	spec. [HRT 37-62 <u>Macedonia</u>]
92HR30618	E	spec.
92HR30984	E	spec. [AH 249 <u>Turkey (Asia Minor)</u>]
92HR31126	E	spec. [AH 261 <u>Turkey (Asia Minor)</u>]
92HR31131	E	spec. [AH 266 <u>Turkey (Asia Minor)</u>]
92HR31132	E	spec. [AH 267 <u>Turkey (Asia Minor)</u>]
92HR31133	E	spec. [AH 268 <u>Turkey (Asia Minor)</u>]
92HR31144	E	spec. [AH 280 <u>Turkey (Asia Minor)</u>]
92HR31159	E	spec. [AH 295 <u>Turkey (Asia Minor)</u>]
92HR31170	E	spec. [AH 306 <u>Turkey (Asia Minor)</u>]
92HR31186	E	spec. [AH 322 <u>Turkey (Asia Minor)</u>]
92HR31194	E	spec. [AH 330 <u>Turkey (Asia Minor)</u>]
92HR31196	E	spec. [AH 332 <u>Turkey (Asia Minor)</u>]
92HR31210	E	spec. [AH 346 <u>Turkey (Asia Minor)</u>]
92HR31218	E	spec. [AH 355 <u>Turkey (Asia Minor)</u>]
92HR31229	E	spec. [AH 365 <u>Turkey (Asia Minor)</u>]
92HR31237	E	spec. [AH 373 <u>Turkey (Asia Minor)</u>]
92HR31243	E	spec. [AH 379 <u>Turkey (Asia Minor)</u>]
92HR31289	E	spec. [AH 425 <u>Turkey (Asia Minor)</u>]
92HR31302	E	spec. [AH 438 <u>Turkey (Asia Minor)</u>]
92HR31331	E	spec. [AH 467 <u>Turkey (Asia Minor)</u>]
92HR31338	E	spec. [AH 474 <u>Turkey (Asia Minor)</u>]
92HR31348	E	spec. [AH 484 <u>Turkey (Asia Minor)</u>]
92HR31371	E	spec. [AH 507 <u>Turkey (Asia Minor)</u>]
92HR31377	E	spec. [AH 513 <u>Turkey (Asia Minor)</u>]
92HR31401	E	spec. [AH 537 <u>Turkey (Asia Minor)</u>]
92HR31406	E	spec. [AH 542 <u>Turkey (Asia Minor)</u>]
92HR31407	E	spec. [AH 543 <u>Turkey (Asia Minor)</u>]
92HR31410	E	spec. [Loon <u>Switzerland</u>]

Crassulaceae

92HR31412	E	spec. [<u>Loon Switzerland</u>]
92HR31414	E	spec. [<u>Loon Italy</u>]
92HR31418	E	spec. [<u>Loon Italy</u>]
92HR31981	E	spec. [<u>AH 772 Turkey (Asia Minor)</u>]
92HR31984	E	spec. [<u>AH 775 Turkey (Asia Minor)</u>]
68BL00099	G	tectorum L.
92HR30603	S E	tectorum L. [<u>HRT 36-60 France</u>]
66BL00310	G	tectorum L. subsp. <u>boutignianum</u> Bill. & Gren.
65BL00525	G	tectorum L. subsp. <u>calcareum</u> (Jord.) Cariot & St. Lager
65BL00327	G	tectorum L. var. <u>glaucum</u> (Ten.) Praeg.
62BL00246	E	tectorum L. subsp. <u>tectorum</u>
65BL00311	G	tectorum L. subsp. <u>tectorum</u>
66BL00315	G	tectorum L. subsp. <u>tectorum</u>
69BL00425	G	<u>zeleborii</u> Schott
78BL00340	E	<u>zeleborii</u> Schott [<u>Bulgaria</u>]

Sinocrassula

92HR30543	S E	<u>indica</u> (Decne.) A. Berger [<u>Nepal</u>]
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Tillaea

92HR28244	S E	<u>erecta</u> [<u>HRT Arizona</u>]
92HR31075	E	spec. [<u>Ham 4.1 Israel</u>]
92HR31113	E	spec. [<u>Ham 58.4 Israel</u>]

Umbilicus

92HR30416	S E	<u>erectus</u> DC. [<u>HRT Turkey (Asia Minor)</u>]
92HR31974	S E	<u>erectus</u> DC. [<u>AH 765 Turkey (Asia Minor)</u>]
92HR32006	S E	<u>erectus</u> DC. [<u>AH 798 Turkey (Asia Minor)</u>]
92HR32019	S E	<u>erectus</u> DC. [<u>AH 811 Turkey (Asia Minor)</u>]
92HR32035	S E	<u>erectus</u> DC. [<u>AH 827 Turkey (Asia Minor)</u>]
92HR32129	S E	<u>erectus</u> DC. [<u>AH 921 Turkey (Asia Minor)</u>]
92HR32032	S E	<u>horizontalis</u> (Guss.) DC. [<u>AH 824 Turkey (Asia Minor)</u>]
92HR32043	S E	<u>horizontalis</u> (Guss.) DC. [<u>AH 835 Turkey (Asia Minor)</u>]
92HR30418	S E	<u>parviflorus</u> (Desf.) DC. [<u>HRT Turkey (Asia Minor)</u>]
66BL00473	I G	<u>rupestris</u> (Salisb.) Dandy
92HR30413	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Greece</u>]
92HR30414	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR30415	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR30417	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR30419	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR30420	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR30421	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR30422	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR30423	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR30424	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR30425	S E	<u>rupestris</u> (Salisb.) Dandy [<u>HRT Turkey (Asia Minor)</u>]
92HR32031	S E	<u>rupestris</u> (Salisb.) Dandy [<u>AH 823 Turkey (Asia Minor)</u>]

Crassulaceae

- 92HR32085 S E rupestris (Salisb.) Dandy [AH 877 Turkey (Asia Minor)]
 92HR32200 S E rupestris (Salisb.) Dandy [HRT 12.13 Morocco]
 92HR32231 S E rupestris (Salisb.) Dandy [HRT 26.44 Morocco]
 92HR32281 S E rupestris (Salisb.) Dandy [HRT 43.93 Morocco]
 92HR28991 E spec. [HRT 3901 Madeira]
 92HR28993 E spec. [HRT 3912 Madeira]
 92HR28997 E spec. [HRT 3918 Madeira]
 92HR30919 E spec. [AH 184 Turkey (Asia Minor)]
 92HR30937 E spec. [AH 202 Turkey (Asia Minor)]
 92HR30953 E spec. [AH 218 Turkey (Asia Minor)]
 92HR30963 E spec. [AH 228 Turkey (Asia Minor)]
 92HR31078 E spec. [Ham 13.1 Israel]
 92HR31082 E spec. [Ham 19.1 Israel]
 92HR31095 E spec. [Ham 44.2 Israel]
 92HR31102 E spec. [Ham 51.2 Israel]
 92HR31280 E spec. [AH 416 Turkey (Asia Minor)]
 92HR31281 E spec. [AH 417 Turkey (Asia Minor)]
 92HR32193 E spec. [HRT 0.5 Morocco]
 92HR32205 E spec. [HRT 13.18 Morocco]
 92HR32212 E spec. [HRT 16.25 Morocco]
 92HR32241 E spec. [HRT 29.54 Morocco]
 92HR32245 E spec. [HRT 30.58 Morocco]
 92HR32251 E spec. [HRT 36.64 Morocco]
 92HR32256 E spec. [HRT 39.69 Morocco]
 92HR32258 E spec. [HRT 39.71 Morocco]
 92HR32267 E spec. [HRT 40.79 Morocco]
 92HR32273 E spec. [HRT 42.85 Morocco]
 92HR32280 E spec. [HRT 43.92 Morocco]
 92HR32291 E spec. [HRT 47.103 Morocco]
 92HR32297 E spec. [HRT 51.109 Morocco]
 92HR32307 E spec. [HRT 57.118 Morocco]
 92HR32319 E spec. [HRT 59.132 Morocco]
 92HR32327 E spec. [HRT 60.140 Morocco]
 92HR32337 E spec. [HRT 63.163 Morocco]
 92HR32351 E spec. [HRT 64.157 Morocco]

Villadia

- 92HR29606 S E parviflora Rose [Mexico (state)]

Cucurbitaceae

Benincasa

- 91GR00663 G hispida (Thunb. ex Murr.) Cogn.

Bryonia

- 72ZS00005 I G cretica L. subsp. dioica (Jacq.) Tutin
 92ZS00159 E cretica L. subsp. dioica (Jacq.) Tutin [E. Germany]

Cucurbitaceae

- 92ZS00466 E *cretica* L. subsp. *dioica* (Jacq.) Tutin [France]
- Citrullus**
- 92GR00510 G *colocynthis* (L.) Schrad.
- Cucumis**
- 91ZE00138 K *sativus* L. cv.
- Cucurbita**
- 76GR00008 E *pepo* L. [JCL Amazonas]
- 91ZE01605 G *pepo* L.
- Cyclanthera**
- 56ZE02411 I G *explodens* Naud.
- Ecballium**
- 54ZE02380 I G *elaterium* (L.) A. Rich.
- Echinocystis**
- 84ZE02153 G *lobata* (Michx.) Torr. & A. Gray
- Echinopepon**
- 81ZE00337 I G *wrightii* (A. Gray) Wats.
- Gurania**
- 74GR00074 I G *makoyana* (Lem.) Cogn.
- Kedrostis**
- 76GR00522 I G *nana* (Lam.) Cogn. var. *latiloba* (Schrad.) Cogn.
- Lagenaria**
- 92GR00206 G *siceraria* (Mold.) Standl.
- 91GR00756 G *siceraria* (Mold.) Standl. 'Gourda'
- 91GR00659 G *siceraria* (Mold.) Standl. f. *longissima*
- Luffa**
- 92GR00133 G *acutangula* (L.) Roxb.
- 91GR00664 G *aegyptica* Mill.
- Momordica**
- 84GR00003 I E *charantia* L. [MJJ 0008 French Guiana]
- Thladianthe**
- 71ZS00049 I G I *dubia* Bunge

Cupressaceae

Calocedrus

00ZG00285	G	decurrens (Torr.) Florin
00ZG02948	G	decurrens (Torr.) Florin
65RD00115	G	decurrens (Torr.) Florin
72RD00120	I G	decurrens (Torr.) Florin
88RD00019	E	decurrens (Torr.) Florin [RR&KZ 70661 California]
86RD00436	K	decurrens (Torr.) Florin 'Aureomarginata'
85RD00374	K	decurrens (Torr.) Florin 'Aureovariegata'
00ZG01179	G	decurrens (Torr.) Florin 'Fastigiata'
86RD00438	K	decurrens (Torr.) Florin 'Pillar'

Chamaecyparis

90RD01073	E	funebri (Endl.) Franco [Sichuan]
61RD01010	G	lawsoniana (A.Murr.) Parl.

1 of 93 accessions sharing this taxon are listed above

00ZG00818	G	lawsoniana (A.Murr.) Parl. 'Alumigold'
00ZG02194	G	lawsoniana (A.Murr.) Parl. 'Alumigold'
00ZG00867	G	lawsoniana (A.Murr.) Parl. 'Alumii'
00ZG00351	G	lawsoniana (A.Murr.) Parl. 'Argenteovariegata Nova'
00ZG00628	G	lawsoniana (A.Murr.) Parl. 'Aurea'
00ZG00220	G	lawsoniana (A.Murr.) Parl. 'Blom'
00ZG00353	G	lawsoniana (A.Murr.) Parl. 'Blue Jacket'
76RD00171	G	lawsoniana (A.Murr.) Parl. 'Blue Surprise'
85RD00393	K	lawsoniana (A.Murr.) Parl. 'Blue Surprise'
00ZG00633	G	lawsoniana (A.Murr.) Parl. 'Bowleri'
86RD00448	K	lawsoniana (A.Murr.) Parl. 'Broomhill Gold'
00ZG00838	G	lawsoniana (A.Murr.) Parl. 'Bruinii'
00ZG00354	G	lawsoniana (A.Murr.) Parl. 'Caudata'
77RD00252	G	lawsoniana (A.Murr.) Parl. 'Chilworth Silver'
00ZG00355	G	lawsoniana (A.Murr.) Parl. 'Coerula'
00ZG00193	G	lawsoniana (A.Murr.) Parl. 'Columnaris'
00ZG02011	G	lawsoniana (A.Murr.) Parl. 'Columnaris'
00ZG02058	G	lawsoniana (A.Murr.) Parl. 'Columnaris'
00ZG02075	G	lawsoniana (A.Murr.) Parl. 'Columnaris'
00ZG03048	G	lawsoniana (A.Murr.) Parl. 'Columnaris'
00ZG03062	G	lawsoniana (A.Murr.) Parl. 'Columnaris'
00ZG03256	G	lawsoniana (A.Murr.) Parl. 'Columnaris'
00ZG03257	G	lawsoniana (A.Murr.) Parl. 'Columnaris'
00ZG03258	G	lawsoniana (A.Murr.) Parl. 'Columnaris'
86RD00285	K	lawsoniana (A.Murr.) Parl. 'Columnaris'
00ZG00356	G	lawsoniana (A.Murr.) Parl. 'Crispa'
61RD01679	G	lawsoniana (A.Murr.) Parl. cv.

1 of 13 accessions sharing this taxon are listed above

00ZG00357	G	lawsoniana (A.Murr.) Parl. 'Darleyensis'
86RD00365	K	lawsoniana (A.Murr.) Parl. 'Dart's Blue Ribbon'

Cupressaceae

00ZG00358	G	lawsoniana (A.Murr.) Parl. 'Depkenii'
86RD00426	K	lawsoniana (A.Murr.) Parl. 'Dik's Weeping'
00ZG01420	G	lawsoniana (A.Murr.) Parl. 'Dore De Crouy'
00ZG00259	G	lawsoniana (A. Murr.) Parl. 'Drummondii'
00ZG00629	G	lawsoniana (A. Murr.) Parl. 'Drummondii'
00ZG00836	G	lawsoniana (A.Murr.) Parl. 'Elegantissima'
00ZG00094	G	lawsoniana (A.Murr.) Parl. 'Ellwoodii'
00ZG02035	G	lawsoniana (A.Murr.) Parl. 'Ellwoodii'
79RD00632	G	lawsoniana (A.Murr.) Parl. 'Ellwood's Improved'
00ZG00817	G	lawsoniana (A.Murr.) Parl. 'Ellwood's Pygmy'
00ZG00359	G	lawsoniana (A.Murr.) Parl. 'Erecta Alba'
00ZG01996	G	lawsoniana (A.Murr.) Parl. 'Erecta Alba'
00ZG03055	G	lawsoniana (A.Murr.) Parl. 'Erecta Alba'
00ZG00842	G	lawsoniana (A.Murr.) Parl. 'Erecta Argenteovariegata'
00ZG00361	G	lawsoniana (A.Murr.) Parl. 'Erecta Filiformis'
00ZG00364	G	lawsoniana (A.Murr.) Parl. 'Felix'
00ZG00059	G	lawsoniana (A.Murr.) Parl. 'Filiformis'
00ZG00251	G	lawsoniana (A.Murr.) Parl. 'Filiformis'
00ZG00635	G	lawsoniana (A.Murr.) Parl. 'Filiformis'
00ZG03209	G	lawsoniana (A.Murr.) Parl. 'Filiformis'
00ZG03215	G	lawsoniana (A.Murr.) Parl. 'Filiformis'
00ZG00906	G	lawsoniana (A.Murr.) Parl. 'Filiformis Compacta'
65RD00076	G	lawsoniana (A.Murr.) Parl. 'Fletcheri'
00ZG00362	G	lawsoniana (A.Murr.) Parl. 'Fletcher's Compact'
00ZG00322	G	lawsoniana (A.Murr.) Parl. 'Forsteckensis'
92RD00757	G	lawsoniana (A.Murr.) Parl. 'Forsteckensis'
00ZG00178	G	lawsoniana (A.Murr.) Parl. 'Fraseri'
00ZG00271	G	lawsoniana (A. Murr.) Parl. 'Gimbornii'
00ZG00363	G	lawsoniana (A. Murr.) Parl. 'Gimbornii'
00ZG02016	G	lawsoniana (A.Murr.) Parl. 'Glauca'
00ZG03043	G	lawsoniana (A.Murr.) Parl. 'Glauca'
00ZG03047	G	lawsoniana (A.Murr.) Parl. 'Glauca'
00ZG03049	G	lawsoniana (A.Murr.) Parl. 'Glauca'
00ZG00204	G	lawsoniana (A.Murr.) Parl. 'Glauca Elegans'
00ZG00263	G	lawsoniana (A.Murr.) Parl. 'Glauca Elegans'
00ZG00632	G	lawsoniana (A.Murr.) Parl. 'Glauca Elegans'
00ZG00843	G	lawsoniana (A.Murr.) Parl. 'Glauca Lombartsii'
86RD00410	K	lawsoniana (A.Murr.) Parl. 'Gold Flake'
00ZG02193	G	lawsoniana (A.Murr.) Parl. 'Gold Star'
00ZG00367	G	lawsoniana (A.Murr.) Parl. 'Golden King'
79RD00637	G	lawsoniana (A.Murr.) Parl. 'Golden Shower'
00ZG02190	G	lawsoniana (A.Murr.) Parl. 'Golden Triumph'
75RD00065	G	lawsoniana (A.Murr.) Parl. 'Golden Triumph'
00ZG02192	G	lawsoniana (A.Murr.) Parl. 'Golden Wonder'
00ZG00369	G	lawsoniana (A.Murr.) Parl. 'Gracilis Nova'
00ZG00368	G	lawsoniana (A.Murr.) Parl. 'Green Hedger'
00ZG03000	G	lawsoniana (A.Murr.) Parl. 'Green Hedger'

Cupressaceae

00ZG00370	G	lawsoniana (A.Murr.) Parl. 'Henri Dinger'
00ZG00387	G	lawsoniana (A.Murr.) Parl. 'Hillieri'
00ZG00352	G	lawsoniana (A.Murr.) Parl. 'Hogger'
00ZG00081	G	lawsoniana (A.Murr.) Parl. 'Intertexta'
00ZG00266	G	lawsoniana (A.Murr.) Parl. 'Intertexta'
00ZG02046	G	lawsoniana (A.Murr.) Parl. 'Intertexta'
00ZG02047	G	lawsoniana (A.Murr.) Parl. 'Intertexta'
00ZG03059	G	lawsoniana (A.Murr.) Parl. 'Intertexta'
00ZG03110	G	lawsoniana (A.Murr.) Parl. 'Intertexta'
00ZG03111	G	lawsoniana (A.Murr.) Parl. 'Intertexta'
00ZG03160	G	lawsoniana (A.Murr.) Parl. 'Intertexta'
00ZG03210	G	lawsoniana (A.Murr.) Parl. 'Intertexta'
00ZG00837	G	lawsoniana (A.Murr.) Parl. 'Kelleriis'
00ZG02202	G	lawsoniana (A.Murr.) Parl. 'Kelleriis Gold'
00ZG00372	G	lawsoniana (A.Murr.) Parl. 'Kilmacurragh'
00ZG03262	K	lawsoniana (A.Murr.) Parl. 'Konijn's Silver'
86RD00416	K	lawsoniana (A.Murr.) Parl. 'Konijn's Silver'
00ZG00373	G	lawsoniana (A.Murr.) Parl. 'Kooy'
00ZG01369	G	lawsoniana (A.Murr.) Parl. 'Kooy'
00ZG00374	G	lawsoniana (A.Murr.) Parl. 'Krameri'
00ZG00375	G	lawsoniana (A.Murr.) Parl. 'Lane'
00ZG00636	G	lawsoniana (A.Murr.) Parl. 'Lutea'
00ZG02012	G	lawsoniana (A.Murr.) Parl. 'Lutea'
00ZG02025	G	lawsoniana (A.Murr.) Parl. 'Lutea'
00ZG02026	G	lawsoniana (A.Murr.) Parl. 'Lutea'
00ZG02031	G	lawsoniana (A.Murr.) Parl. 'Lutea'
00ZG02812	G	lawsoniana (A.Murr.) Parl. 'Lutea'
00ZG00376	G	lawsoniana (A.Murr.) Parl. 'Lutea Nana'
00ZG03404	G	lawsoniana (A.Murr.) Parl. 'Lutea Nana'
00ZG00280	G	lawsoniana (A.Murr.) Parl. 'Lycopodioides'
00ZG00317	G	lawsoniana (A.Murr.) Parl. 'Lycopodioides'
00ZG00637	G	lawsoniana (A.Murr.) Parl. 'Maas'
00ZG00377	G	lawsoniana (A.Murr.) Parl. 'Magnifica Aurea'
00ZG00190	G	lawsoniana (A.Murr.) Parl. 'Minima'
00ZG00638	G	lawsoniana (A.Murr.) Parl. 'Minima'
00ZG01994	G	lawsoniana (A.Murr.) Parl. 'Minima'
00ZG02070	G	lawsoniana (A.Murr.) Parl. 'Minima'
00ZG00378	G	lawsoniana (A.Murr.) Parl. 'Minima Aurea'
00ZG00062	G	lawsoniana (A.Murr.) Parl. 'Minima Glauca'
00ZG00274	G	lawsoniana (A.Murr.) Parl. 'Minima Glauca'
00ZG01211	G	lawsoniana (A.Murr.) Parl. 'Minima Glauca'
00ZG02056	G	lawsoniana (A.Murr.) Parl. 'Minima Glauca'
00ZG02783	G	lawsoniana (A.Murr.) Parl. 'Minima Glauca'
00ZG03029	G	lawsoniana (A.Murr.) Parl. 'Minima Glauca'
00ZG03091	G	lawsoniana (A.Murr.) Parl. 'Minima Glauca'
00ZG00379	G	lawsoniana (A.Murr.) Parl. 'Moerheimii'
00ZG00187	G	lawsoniana (A.Murr.) Parl. 'Naberi'

Cupressaceae

00ZG00639	G	lawsoniana (A.Murr.) Parl. 'Naberi'
00ZG02071	G	lawsoniana (A.Murr.) Parl. 'Naberi'
00ZG01992	G	lawsoniana (A.Murr.) Parl. 'Nana'
00ZG00273	G	lawsoniana (A.Murr.) Parl. 'Nana Glauca'
00ZG00840	G	lawsoniana (A.Murr.) Parl. 'Nana Glauca'
00ZG01357	G	lawsoniana (A.Murr.) Parl. 'Nestoides'
00ZG00382	G	lawsoniana (A.Murr.) Parl. 'New Golden'
86RD00401	K	lawsoniana (A.Murr.) Parl. 'New Silver'
00ZG00804	G	lawsoniana (A.Murr.) Parl. 'Nidiformis'
00ZG00275	G	lawsoniana (A.Murr.) Parl. 'Nivea'
90RD01097	K	lawsoniana (A. Murr.) Parl. 'Nymph'
00ZG00383	G	lawsoniana (A.Murr.) Parl. 'Olbrichii'
00ZG02203	G	lawsoniana (A.Murr.) Parl. 'Oro'
00ZG00640	G	lawsoniana (A.Murr.) Parl. 'Patula'
83RD00361	G	lawsoniana (A.Murr.) Parl. 'Pembury Blue'
86RD00413	K	lawsoniana (A.Murr.) Parl. 'Pembury Blue'
00ZG00384	G	lawsoniana (A.Murr.) Parl. 'Pendula Vera'
00ZG00239	G	lawsoniana (A.Murr.) Parl. 'Pottenii'
00ZG03064	G	lawsoniana (A.Murr.) Parl. 'Pottenii'
86RD00451	K	lawsoniana (A.Murr.) Parl. 'Rijnhof'
00ZG00191	G	lawsoniana (A.Murr.) Parl. 'Rogersii'
00ZG00806	G	lawsoniana (A.Murr.) Parl. 'Rogersii'
00ZG01180	G	lawsoniana (A.Murr.) Parl. 'Rogersii'
00ZG01321	G	lawsoniana (A.Murr.) Parl. 'Rogersii'
00ZG02072	G	lawsoniana (A.Murr.) Parl. 'Rogersii'
00ZG00188	G	lawsoniana (A.Murr.) Parl. 'Rosenthalii'
00ZG00385	G	lawsoniana (A.Murr.) Parl. 'Rosenthalii'
00ZG00300	G	lawsoniana (A.Murr.) Parl. 'Schongariana'
00ZG00386	G	lawsoniana (A.Murr.) Parl. 'Schongariana'
00ZG00642	G	lawsoniana (A.Murr.) Parl. 'Silver Queen'
00ZG00388	G	lawsoniana (A.Murr.) Parl. 'Silver Tip'
00ZG00389	G	lawsoniana (A.Murr.) Parl. 'Spek'
90RD00281	K	lawsoniana (A.Murr.) Parl. 'Stardust'
00ZG00856	G	lawsoniana (A.Murr.) Parl. 'Stewartii'
00ZG01421	G	lawsoniana (A.Murr.) Parl. 'Stricta Coerulea'
00ZG00172	G	lawsoniana (A.Murr.) Parl. 'Tamariscifolia'
00ZG00868	G	lawsoniana (A.Murr.) Parl. 'Tamariscifolia'
00ZG01330	G	lawsoniana (A.Murr.) Parl. 'Tamariscifolia'
00ZG02034	G	lawsoniana (A.Murr.) Parl. 'Tamariscifolia'
00ZG00852	G	lawsoniana (A.Murr.) Parl. 'Tharandtensis'
00ZG00071	G	lawsoniana (A.Murr.) Parl. 'Tharandtensis Caesia'
00ZG00323	G	lawsoniana (A.Murr.) Parl. 'Tharandtensis Caesia'
00ZG00853	G	lawsoniana (A.Murr.) Parl. 'Tharandtensis Caesia'
00ZG02006	G	lawsoniana (A.Murr.) Parl. 'Tharandtensis Caesia'
00ZG02007	G	lawsoniana (A.Murr.) Parl. 'Tharandtensis Caesia'
00ZG02008	G	lawsoniana (A.Murr.) Parl. 'Tharandtensis Caesia'
00ZG02009	G	lawsoniana (A.Murr.) Parl. 'Tharandtensis Caesia'

Cupressaceae

00ZG02010	G	lawsoniana (A.Murr.) Parl. 'Tharandtensis Caesia'
00ZG00644	G	lawsoniana (A.Murr.) Parl. 'Triomf van Boskoop'
65RD00127	G	lawsoniana (A.Murr.) Parl. 'Triomf van Boskoop'
00ZG00189	G	lawsoniana (A.Murr.) Parl. 'Versicolor'
00ZG00645	G	lawsoniana (A.Murr.) Parl. 'Versicolor'
00ZG01422	G	lawsoniana (A.Murr.) Parl. 'Wansdyke Dwarf'
00ZG00287	G	lawsoniana (A.Murr.) Parl. 'Westermannii'
00ZG02191	G	lawsoniana (A.Murr.) Parl. 'White Spot'
00ZG00390	G	lawsoniana (A.Murr.) Parl. 'Winston Churchill'
85RD00398	G	lawsoniana (A.Murr.) Parl. 'Winston Churchill'
00ZG00282	G	lawsoniana (A.Murr.) Parl. 'Wisselii'
00ZG00647	G	lawsoniana (A.Murr.) Parl. 'Wisselii'
00ZG01893	G	lawsoniana (A.Murr.) Parl. 'Wisselii'
00ZG00648	G	lawsoniana (A.Murr.) Parl. 'Witzeliana'
00ZG00371	G	lawsoniana (A.Murr.) Parl. 'Youngii'
00ZG01999	G	nootkatensis (D.Don) Spach
00ZG02048	G	nootkatensis (D.Don) Spach
00ZG02707	G	nootkatensis (D.Don) Spach
00ZG02779	G	nootkatensis (D.Don) Spach
00ZG02947	G	nootkatensis (D.Don) Spach
00ZG03038	G	nootkatensis (D.Don) Spach
00ZG03103	G	nootkatensis (D.Don) Spach
00ZG03239	G	nootkatensis (D.Don) Spach
00ZG03250	G	nootkatensis (D.Don) Spach
64RD00342	G	nootkatensis (D.Don) Spach
00ZG00072	G	nootkatensis (D.Don) Spach 'Aurea'
00ZG00265	G	nootkatensis (D.Don) Spach 'Aurea'
00ZG02013	G	nootkatensis (D.Don) Spach 'Aurea'
00ZG00315	G	nootkatensis (D.Don) Spach 'Aureovariegata'
00ZG02204	G	nootkatensis (D.Don) Spach 'Aureovariegata'
00ZG00392	G	nootkatensis (D.Don) Spach 'Compacta'
00ZG00366	G	nootkatensis (D.Don) Spach 'Ericoides'
00ZG00318	G	nootkatensis (D.Don) Spach 'Glauca'
00ZG02187	G	nootkatensis (D.Don) Spach 'Glauca'
65RD00122	G	nootkatensis (D.Don) Spach 'Glauca'
00ZG01995	G	nootkatensis (D.Don) Spach 'Pendula'
00ZG03032	G	nootkatensis (D.Don) Spach 'Pendula'
86RD00247	K	nootkatensis (D.Don) Spach 'Pendula'
91RD00934	K	nootkatensis (D.Don) Spach 'Tatra'
00ZG00823	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG02539	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG03018	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG03027	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG03168	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG03170	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG03202	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG00319	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Albospica'

Cupressaceae

00ZG01364	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'A-lbovariegata'
00ZG00812	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Aurea'
00ZG00393	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Columnaris'
00ZG01197	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Compacta'
00ZG00233	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Coralliformis'
00ZG01363	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Coralliformis'
00ZG01895	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Coralliformis'
86RD00346	K	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Draht'
00ZG00394	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Erecta'
00ZG02014	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Erecta'
00ZG00060	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filicoides'
00ZG00652	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Flabelliformis'
00ZG00832	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gimborn's Beauty'
90RD01095	K	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Golden Nymph'
86RD00403	K	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Goldilocks'
00ZG00395	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Goldspire'
00ZG00185	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gracilis'
00ZG00396	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gracilis'
00ZG00397	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gracilis Aurea'
00ZG00154	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Graciosa'
00ZG00398	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Graciosa'
00ZG01316	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Graciosa'
86RD00425	K	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Green Diamond'
00ZG00156	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Hage'
00ZG00656	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Kosteri'
00ZG00057	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Lutea Nova'
00ZG00230	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Lycopodioides'
00ZG00653	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Lycopodioides'
00ZG00021	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Lycopodioides Aurea'
00ZG00316	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Lycopodioides Aurea'
00ZG00401	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Magnifica'
00ZG00654	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Mariesii'
00ZG00403	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Nana'
65RD00112	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Nana'
00ZG00657	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Nana Aurea'
00ZG00402	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Nana Gracilis'

Cupressaceae

91RD01415	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Nana Gracilis'
00ZG00332	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Pygmaea'
00ZG00863	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Pygmaea'
00ZG01169	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Pygmaea'
00ZG00406	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Rigid Dwarf'
00ZG01997	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Rigid Dwarf'
00ZG02132	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Rigid Dwarf'
00ZG01331	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Spitfire'
00ZG01333	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Spitfire'
00ZG00155	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Tempelhof'
00ZG00407	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Tempelhof'
00ZG00231	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Tetragona Aurea'
00ZG00807	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Tonia'
00ZG00658	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Van Nes'
86RD00344	K	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Yellowtip'
00ZG00054	G	obtusa (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Youngii'
00ZG00165	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG02000	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG02793	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG02800	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG03142	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG03254	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG03440	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
61RD00037	I G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
65RD00121	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl.
00ZG00851	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Argenteovariegata'
00ZG00408	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Aurea'
00ZG00855	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Aurea Nana'
00ZG00416	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Boulevard'
00ZG00415	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Clouded Sky'
00ZG00409	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Compacta'
00ZG00327	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Compacta Variegata'
00ZG02680	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Compacta Variegata'
00ZG02814	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Compacta Variegata'
79RD00621	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Compressa'
00ZG03089	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. cv.
00ZG02484	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera'
00ZG02600	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera'
65RD00120	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera'
00ZG00286	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera'

Cupressaceae

		Aurea'
00ZG02003	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Aurea'
00ZG02004	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Aurea'
00ZG02005	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Aurea'
65RD00114	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Aurea'
00ZG00411	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Aureovariegata'
00ZG01313	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Aureovariegata'
00ZG01424	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Gracilis'
00ZG00252	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Nana'
00ZG00802	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Nana'
00ZG01157	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Nana'
00ZG01317	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Nana'
00ZG02380	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Nana'
00ZG02769	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Filifera Nana'
00ZG00063	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gold Spangle'
00ZG02050	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gold Spangle'
00ZG02051	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gold Spangle'
00ZG02052	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gold Spangle'
00ZG02053	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gold Spangle'
00ZG02054	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gold Spangle'
00ZG02144	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gold Spangle'
00ZG03255	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Gold Spangle'
00ZG01425	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Golden Mop'
90RD01094	K	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Hime Savara'
00ZG00077	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa'

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00ZG02018	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa'
00ZG01165	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Argentea'
00ZG02015	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Aurea'
00ZG02153	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Aurea'
00ZG02376	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Aurea'
00ZG00799	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Aurea Compacta'
00ZG01164	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Aurea Compacta'
00ZG00800	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Compacta'
00ZG01155	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Compacta'
00ZG00413	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Compressa'
00ZG02027	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Cristata'
00ZG00183	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Flavescens'
00ZG00279	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Flavescens'
00ZG00412	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Flavescens'
00ZG01163	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Nana Argentea'
00ZG00222	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Nana Aurea'
00ZG00414	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Plumosa Vera'
00ZG03095	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Squarrosa'
00ZG03129	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Squarrosa'
00ZG00417	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Squarrosa Aurea'
00ZG00803	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Squarrosa Dumosa'
00ZG00076	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Squarrosa Intermedia'
00ZG00242	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Squarrosa Intermedia'
00ZG00410	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Squarrosa Intermedia'
00ZG02387	G	pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Squarrosa Intermedia'

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- 00ZG01251 G pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Squarrosa Lombarts'
 00ZG01358 G pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Sulphurea'
 86RD00253 K pisifera (Sieb. & Zucc.) Sieb. & Zucc. ex Endl. 'Sungold'
 00ZG00418 G thyoides (L.) B.S.P.
 00ZG02544 G thyoides (L.) B.S.P.
 61RD01401 G thyoides (L.) B.S.P.
 79RD00140 E thyoides (L.) B.S.P. [New Jersey]
 00ZG00085 G thyoides (L.) B.S.P. 'Andelyensis'
 00ZG00911 G thyoides (L.) B.S.P. 'Aurea'
 00ZG00421 G thyoides (L.) B.S.P. 'Conica'
 00ZG00419 G thyoides (L.) B.S.P. 'Glauca'
 00ZG00420 G thyoides (L.) B.S.P. 'Variegata'

x Cupressocyparis

- 00ZG00436 G leylandii (Jacks. & Dallim.) Dallim.
 00ZG02195 G leylandii (Jacks. & Dallim.) Dallim.
 74RD00257 G leylandii (Jacks. & Dallim.) Dallim.
 77RD00425 G leylandii (Jacks. & Dallim.) Dallim.
 77RD00556 G leylandii (Jacks. & Dallim.) Dallim. 'Castlewellan Gold'
 77RD00216 G leylandii (Jacks. & Dallim.) Dallim. 'Green Spire'
 77RD00214 G leylandii (Jacks. & Dallim.) Dallim. 'Haggerston Grey'
 77RD00215 G leylandii (Jacks. & Dallim.) Dallim. 'Leighton Green'
 00ZG00437 G leylandii (Jacks. & Dallim.) Dallim. 'Stapehill'

Cupressus

- 86RD00207 E spec. [GUIZ 005 Guizhou]

Juniperus

- 88RD00252 E ashei Buchh. [Oklahoma]
 62RD00826 G chinensis L.

1 of 18 accessions sharing this taxon are listed above

- 00ZG00661 G chinensis L. 'Ames'
 00ZG01885 G chinensis L. 'Aurea'
 00ZG01886 G chinensis L. 'Aurea'
 00ZG01887 G chinensis L. 'Aurea'
 00ZG02768 G chinensis L. 'Aurea'
 86RD00418 K chinensis L. 'Blue Alps'
 00ZG00446 G chinensis L. 'Columnaris'
 00ZG00447 G chinensis L. 'Columnaris Glauca'
 00ZG01894 G chinensis L. 'Columnaris Glauca'
 00ZG01292 G chinensis L. cv.
 00ZG00488 G chinensis L. 'Fairview'
 86RD00423 K chinensis L. 'Green Monkey'
 00ZG00452 G chinensis L. 'Iowa'
 00ZG01171 G chinensis L. 'Japonica'
 00ZG01937 G chinensis L. 'Japonica'

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00ZG01437	G	chinensis L. 'Japonica Erecta'	
00ZG00223	G	chinensis L. 'Kaizuka'	
00ZG00662	G	chinensis L. 'Keteleeri'	
00ZG01804	G	chinensis L. 'Keteleeri'	
00ZG01859	G	chinensis L. 'Keteleeri'	
00ZG01916	G	chinensis L. 'Keteleeri'	
00ZG01926	G	chinensis L. 'Keteleeri'	
00ZG02131	G	chinensis L. 'Keteleeri'	
00ZG02137	G	chinensis L. 'Keteleeri'	
00ZG02702	G	chinensis L. 'Keteleeri'	
00ZG03301	G	chinensis L. 'Keteleeri'	
00ZG02463	G	chinensis L. 'Mas'	
00ZG02465	G	chinensis L. 'Mas'	
00ZG02523	G	chinensis L. 'Mas'	
00ZG02524	G	chinensis L. 'Mas'	
00ZG02530	G	chinensis L. 'Mas'	
00ZG02587	G	chinensis L. 'Mas'	
00ZG02759	G	chinensis L. 'Mas'	
00ZG02760	G	chinensis L. 'Mas'	
00ZG00459	G	chinensis L. 'Milky Way'	
00ZG00454	G	chinensis L. 'Monarch'	
00ZG00455	G	chinensis L. 'Mountbatten'	
77RD00221	G	chinensis L. 'Mountbatten'	
00ZG00456	G	chinensis L. 'Neaboriensis'	
00ZG02033	G	chinensis L. 'Neaboriensis'	
00ZG02846	G	chinensis L. 'Neaboriensis'	
00ZG02896	G	chinensis L. 'Neaboriensis'	
00ZG02905	G	chinensis L. 'Neaboriensis'	
00ZG03409	G	chinensis L. 'Neaboriensis'	
00ZG00457	G	chinensis L. 'Obelisk'	
00ZG00458	G	chinensis L. 'Olympia'	
00ZG02674	G	chinensis L. 'Pyramidalis'	
86RD00251	K	chinensis L. 'Spartan'	
00ZG00670	G	chinensis L. 'Stricta'	
00ZG01196	G	chinensis L. 'Sylvestris'	
86RD00441	K	chinensis L. 'Templar'	
86RD00440	K	chinensis L. 'Titlis'	
00ZG00463	G	chinensis L. 'Variegata'	
00ZG01816	G	chinensis L. 'Variegata'	
65RD00091	G	chinensis L. 'Variegata'	
65RD00287	E	communis L. subsp. alpina (Neilr.) Celak	
78RD00524	E	communis L. subsp. alpina (Neilr.) Celak	[Br. Columbia incl. Charlotte Isl.]
79RD00020	E	communis L. subsp. alpina (Neilr.) Celak	[Switzerland]
79RD00105	E	communis L. subsp. alpina (Neilr.) Celak	
81RD00097	E	communis L. subsp. alpina (Neilr.) Celak	[Br. Columbia incl. Charlotte Isl.]

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90RD01077	G	communis L. 'Bakony'
00ZG00465	G	communis L. 'Bruns'
00ZG00466	G	communis L. 'Candelabriformis'
00ZG01851	G	communis L. 'Candelabriformis'
00ZG02063	G	communis L. 'Candelabriformis'
65RD00243	G	communis L. subsp. communis
1 of 20 accessions sharing this taxon are listed above		
00ZG00467	G	communis L. 'Compacta'
00ZG02205	G	communis L. 'Compressa'
90RD01102	K	communis L. 'Compressa'
00ZG02449	G	communis L. 'Conspicua'
00ZG02509	G	communis L. 'Conspicua'
00ZG00468	G	communis L. 'Controversa'
00ZG00671	G	communis L. 'Cracovia'
00ZG03313	G	communis L. 'Depressa'
00ZG02079	G	communis L. subsp. depressa (Pursh) Franco
00ZG02080	G	communis L. subsp. depressa (Pursh) Franco
76RD00213	E	communis L. subsp. depressa (Pursh) Franco [Nova Scotia]
00ZG02660	G	communis L. 'Dumosa'
00ZG01438	G	communis L. 'Echiniformis'
92RD00880	G	communis L. 'Echiniformis'
00ZG01170	G	communis L. 'Effusa'
00ZG02486	G	communis L. 'Effusa'
86RD00296	G	communis L. 'Effusa'
86RD00405	K	communis L. 'Gold Cone'
79RD00026	E	communis L. subsp. hemisphaerica (J.S. & K.B.Presl) Nym. [W.Germany]
00ZG01914	G	communis L. 'Hibernica'
00ZG01933	G	communis L. 'Hibernica'
00ZG02438	G	communis L. 'Hibernica'
00ZG02441	G	communis L. 'Hibernica'
00ZG02447	G	communis L. 'Hibernica'
00ZG02448	G	communis L. 'Hibernica'
00ZG02911	G	communis L. 'Hibernica'
00ZG02922	G	communis L. 'Hibernica'
65RD00097	G	communis L. 'Hibernica'
00ZG00672	G	communis L. 'Hornibrookii'
00ZG02457	G	communis L. 'Hornibrookii'
00ZG03154	G	communis L. 'Hornibrookii'
00ZG03271	G	communis L. 'Hornibrookii'
69RD00134	G	communis L. 'Hornibrookii'
00ZG01800	G	communis L. 'Hortulanus H.Muyser'
77RD00186	E	communis L. var. montana Ait. [Kirgiziya]
00ZG01927	G	communis L. 'Nutans'
00ZG00469	G	communis L. 'Oblonga Pendula'
00ZG02126	G	communis L. 'Oblonga Pendula'
00ZG03156	G	communis L. 'Oblonga Pendula'

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00ZG03164	G	communis L. 'Oblonga Pendula'	
00ZG00470	G	communis L. 'Prostrata'	
00ZG02910	G	communis L. 'Repanda'	
1 of 11 accessions sharing this taxon are listed above			
00ZG02897	G	communis L. 'Suecica'	
1 of 12 accessions sharing this taxon are listed above			
00ZG00674	G	communis L. 'Tempelhof'	
00ZG01359	G	communis L. 'Tempelhof'	
86RD00433	K	communis L. 'Tempelhof'	
00ZG00448	G	davurica Pall. 'Expansa'	
00ZG00449	G	davurica Pall. 'Expansa Variegata'	
00ZG02062	G	davurica Pall. 'Expansa Variegata'	
00ZG01879	G	horizontalis Moench	
00ZG01880	G	horizontalis Moench	
00ZG01881	G	horizontalis Moench	
00ZG02884	G	horizontalis Moench	
00ZG02186	G	horizontalis Moench 'Alpina'	
00ZG01203	G	horizontalis Moench 'Bar Harbor'	
00ZG00473	G	horizontalis Moench 'Coast of Maine'	
00ZG01882	G	horizontalis Moench. cv.	
00ZG00017	G	horizontalis Moench 'Douglasii'	
83RD00359	G	horizontalis Moench 'Emerald Spreader'	
00ZG00016	G	horizontalis Moench 'Glauca'	
00ZG01872	G	horizontalis Moench 'Glauca'	
00ZG03423	G	horizontalis Moench 'Glauca'	
65RD00105	G	horizontalis Moench 'Glauca'	
69RD00205	G	horizontalis Moench 'Glauca'	
78RD00768	G	horizontalis Moench 'Glauca'	
00ZG01440	G	horizontalis Moench 'Glomerata'	
00ZG00675	G	horizontalis Moench 'Prostrata'	
00ZG01441	G	horizontalis Moench 'Variegata'	
77RD00256	G	horizontalis Moench 'Youngstown'	
00ZG00849	G	x media Melle 'Armstrongii'	
86RD00414	K	x media Melle 'Berry Hill'	
00ZG00225	G	x media Melle 'Blaauw'	
00ZG01867	G	x media Melle 'Blaauw'	
00ZG01868	G	x media Melle 'Blaauw'	
00ZG01869	G	x media Melle 'Blaauw'	
00ZG02136	G	x media Melle 'Blaauw'	
00ZG02485	G	x media Melle 'Blaauw'	
00ZG02487	G	x media Melle 'Blaauw'	
00ZG02488	G	x media Melle 'Blaauw'	
00ZG03169	G	x media Melle 'Blaauw'	
65RD00286	G	x media Melle 'Blaauw'	
00ZG00866	G	x media Melle 'Globosa'	
00ZG01436	G	x media Melle 'Globosa'	
00ZG00227	G	x media Melle 'Hetzii'	

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00ZG00451	G	x media Melle 'Hetzii'
77RD00254	G	x media Melle 'Hetzii Columnaris'
00ZG03305	K	x media Melle 'Kuriwao Gold'
00ZG01324	G	x media Melle 'Mathot'
74RD00258	G	x media Melle 'Mint Julep'
79RD00562	G	x media Melle 'Mint Julep'
00ZG00461	G	x media Melle 'Old Gold'
65RD00082	G	x media Melle 'Pfitzeriana'
1 of 42 accessions sharing this taxon are listed above		
00ZG00664	G	x media Melle 'Pfitzeriana Aurea'
00ZG02498	G	x media Melle 'Pfitzeriana Aurea'
00ZG02723	G	x media Melle 'Pfitzeriana Aurea'
00ZG02776	G	x media Melle 'Pfitzeriana Aurea'
00ZG03263	G	x media Melle 'Pfitzeriana Aurea'
00ZG00665	G	x media Melle 'Pfitzeriana Compacta'
00ZG00460	G	x media Melle 'Pfitzeriana Glauca'
00ZG01435	G	x media Melle 'Plumosa'
00ZG02142	G	x media Melle 'Plumosa'
00ZG02458	G	x media Melle 'Plumosa'
00ZG00025	G	x media Melle 'Plumosa Albovariegata'
00ZG00666	G	x media Melle 'Plumosa Albovariegata'
00ZG02306	G	x media Melle 'Plumosa Aurea'
00ZG02520	G	x media Melle 'Plumosa Aurea'
00ZG03229	G	x media Melle 'Plumosa Aurea'
65RD00106	G	x media Melle 'Plumosa Aurea'
00ZG00027	G	x media Melle 'Plumosa Aureovariegata'
00ZG00462	G	x media Melle 'Plumosa Aureovariegata'
90RD00517	E	oxycedrus L. subsp. oxycedrus [<u>Yugoslavia</u>]
00ZG00029	G	procumbens Sieb. ex Miq. 'Nana'
79RD00564	G	procumbens Sieb. ex Miq. 'Nana'
78RD00482	E	pseudosabina Fisch. & Mey. [<u>Kirgiziya</u>]
00ZG00093	G I	rigida Sieb. & Zucc.
00ZG02724	G	sabina L.
00ZG02848	G	sabina L.
65RD00131	G	sabina L.
74RD00223	G	sabina L.
00ZG00925	G	sabina L. 'Aureovariegata'
00ZG00475	G	sabina L. 'Blue Danube'
77RD00258	G	sabina L. 'Broadmoor'
77RD00257	G	sabina L. 'Buffalo'
00ZG01200	G	sabina L. 'Cupressifolia'
00ZG02130	G	sabina L. 'Fastigiata'
00ZG01443	G	sabina L. 'Femina'
00ZG00022	G	sabina L. 'Hicksii'
00ZG01871	G	sabina L. 'Hicksii'
00ZG02140	G	sabina L. 'Hicksii'
00ZG01444	G	sabina L. 'Skandia'

Cupressaceae

- 86RD00449 K sabina L. 'Tam No Blight'
- 00ZG00677 G sabina L. 'Tamariscifolia'
- 00ZG00477 G sabina L. 'Variegata'
- 00ZG00667 G I sargentii (Henry) Takeda ex Koidz.
- 00ZG02771 G I sargentii (Henry) Takeda ex Koidz.
- 87RD00172 E I sargentii (Henry) Takeda ex Koidz. [Sakhalin]
- 00ZG00668 G sargentii (Henry) Takeda ex Koidz. 'Glauca'
- 00ZG01891 G sargentii (Henry) Takeda ex Koidz. 'Glauca'
- 00ZG01892 G sargentii (Henry) Takeda ex Koidz. 'Glauca'
- 00ZG00028 G sargentii (Henry) Takeda ex Koidz. 'Viridis'
- 00ZG00669 G sargentii (Henry) Takeda ex Koidz. 'Viridis'
- 77RD00218 G sargentii (Henry) Takeda ex Koidz. 'Yakushimai'
- 65RD00163 E scopulorum Sarg.
- 79RD00126 E scopulorum Sarg. [Montana]
- 82RD00136 E scopulorum Sarg. [Wyoming]
- 00ZG01445 G scopulorum Sarg. 'Moonlight'
- 77RD00224 G scopulorum Sarg. 'North Star'
- 86RD00404 K scopulorum Sarg. 'O'Connor'
- 00ZG00478 G scopulorum Sarg. 'Repens'
- 00ZG00479 G scopulorum Sarg. 'Springbank'
- 77RD00225 G scopulorum Sarg. 'Welchii'
- 85RD00394 K scopulorum Sarg. 'Wichita Blue'
- 82RD00329 E semiglobosa Regel [Tadzhikistan]
- 78RD00664 E spec. [Iran]
- 78RD00769 G squamata Buch.-Ham. ex Lamb. 'Blue Carpet'
- 00ZG01159 G squamata Buch.-Ham. ex Lamb. 'Blue Star'
- 86RD00411 K squamata Buch.-Ham. ex Lamb. 'Filiforma'
- 00ZG00480 G squamata Buch.-Ham. ex Lamb. 'Loderi'
- 00ZG02389 G squamata Buch.-Ham. ex Lamb. 'Meyeri'
- 00ZG02519 G squamata Buch.-Ham. ex Lamb. 'Meyeri'
- 63RD00435 G squamata Buch.-Ham. ex Lamb. 'Meyeri'
- 79RD00628 G squamata Buch.-Ham. ex Lamb. 'Prostrata'
- 00ZG00089 G squamata Buch.-Ham. ex Lamb. 'Wilsonii'
- 00ZG00678 G squamata Buch.-Ham. ex Lamb. 'Wilsonii'
- 00ZG01808 G squamata Buch.-Ham. ex Lamb. 'Wilsonii'
- 86RD00670 G thurifera L.
- 78RD00614 E turkestanica Komar. [Kirgiziya]
- 81RD00328 E virginiana L. [SHACK Kentucky]
- 1 of 11 accessions sharing this taxon are listed above
- 00ZG00450 G virginiana L. 'Blue Cloud'
- 00ZG01046 G virginiana L. 'Burkii'
- 00ZG01830 G virginiana L. 'Burkii'
- 00ZG01832 G virginiana L. 'Burkii'
- 00ZG01931 G virginiana L. 'Burkii'
- 00ZG02134 G virginiana L. 'Burkii'
- 00ZG02464 G virginiana L. 'Burkii'
- 00ZG03290 G virginiana L. 'Burkii'

Cupressaceae

00ZG00024	G	virginiana L. 'Canaertii'	
85RD00130	E	virginiana L. var. crebra Fern. & Griscom.	<u>Quebec</u>
88RD00013	E	virginiana L. var. crebra Fern. & Griscom.	<u>Quebec</u>
90RD00308	E	virginiana L. var. crebra Fern. & Griscom.	<u>Quebec</u>
00ZG00923	G	virginiana L. 'Cupressifolia'	
86RD00408	K	virginiana L. 'Fiore'	
00ZG02060	G	virginiana L. 'Glauca'	
00ZG00481	G	virginiana L. 'Globosa'	
00ZG00482	G	virginiana L. 'Grey Owl'	
00ZG01323	G	virginiana L. 'Grey Owl'	
00ZG00483	G	virginiana L. 'Hillii'	
00ZG00484	G	virginiana L. 'Kosteri'	
00ZG00485	G	virginiana L. 'Pendula'	
00ZG00486	G	virginiana L. 'Pseudocupressus'	
00ZG00487	G	virginiana L. 'Pyramidalis'	
00ZG00612	G	virginiana L. 'Schottii'	
00ZG02135	G	virginiana L. 'Schottii'	
00ZG00489	G	virginiana L. 'Skyrocket'	
00ZG00202	G	virginiana L. 'Tripartita'	

Microbiota

00ZG02777	G I	decussata Komar.	
00ZG02778	G I	decussata Komar.	
76RD00254	I G I	decussata Komar.	
83RD00181	S I	decussata Komar.	<u>W. Siberia & Ural</u>
91RD01804	G I	decussata Komar.	

Thuja

00ZG00051	G	koraiensis Nakai	
00ZG00307	G	koraiensis Nakai	
00ZG02955	G	koraiensis Nakai	
00ZG03212	G	koraiensis Nakai	
00ZG02651	G	occidentalis L.	
00ZG02736	G	occidentalis L.	
00ZG02754	G	occidentalis L.	
00ZG02821	G	occidentalis L.	
00ZG03003	G	occidentalis L.	
00ZG03019	G	occidentalis L.	
00ZG03181	G	occidentalis L.	
00ZG03198	G	occidentalis L.	
74RD00228	G	occidentalis L.	
00ZG00061	G	occidentalis L. 'Beaufort'	
00ZG00679	G	occidentalis L. 'Beaufort'	
00ZG00194	G	occidentalis L. 'Bodmeri'	
86RD00447	K	occidentalis L. 'Brabant'	
00ZG01213	G	occidentalis L. 'Caespitosa'	
00ZG00768	G	occidentalis L. 'Cloth of Gold'	

Cupressaceae

00ZG00491	G	occidentalis L. 'Columbia'
00ZG01168	G	occidentalis L. 'Columna'
00ZG00792	G	occidentalis L. 'Compacta'
00ZG00270	G	occidentalis L. 'Cristata'
00ZG01167	G	occidentalis L. 'Cristata'
00ZG00771	G	occidentalis L. 'Cristata Argenteovariegata'
00ZG00770	G	occidentalis L. 'Cristata Aurea'
86RD00345	K	occidentalis L. 'Danica'
00ZG00175	G	occidentalis L. 'Douglasii Aurea'
00ZG00857	G	occidentalis L. 'Elegantissima'
86RD00672	G	occidentalis L. 'Ellwangeriana'
65RD00124	G	occidentalis L. 'Ericoides'
00ZG01499	G	occidentalis L. 'Filiformis'
86RD00446	K	occidentalis L. 'Frieslandia'
00ZG00490	G	occidentalis L. 'Hetz Midget'
00ZG00492	G	occidentalis L. 'Holmstrup'
74RD00266	G	occidentalis L. 'Hoveyi'
00ZG00493	G	occidentalis L. 'Indomitable'
74RD00267	G	occidentalis L. 'Little Champion'
00ZG01318	G	occidentalis L. 'Little Gem'
00ZG00864	G	occidentalis L. 'Lombarts' Dwarf'
00ZG00680	G	occidentalis L. 'Lombarts' Wintergreen'
00ZG00186	G	occidentalis L. 'Lutea'
00ZG01498	G	occidentalis L. 'Lutea Nana'
00ZG00681	G	occidentalis L. 'Malonyana'
00ZG00503	G	occidentalis L. 'Mastersii'
00ZG00494	G	occidentalis L. 'Milleri'
00ZG00495	G	occidentalis L. 'Ohlendorffii'
60RD00766	G	occidentalis L. 'Ohlendorffii'
00ZG00611	G	occidentalis L. 'Pendula'
00ZG01998	G	occidentalis L. 'Pendula'
00ZG00496	G	occidentalis L. 'Perk Vlaanderen'
00ZG01242	G	occidentalis L. 'Pumila'
00ZG01291	E	occidentalis L. 'Pyramidalis'
00ZG02708	G	occidentalis L. 'Pyramidalis Compacta'
00ZG02709	G	occidentalis L. 'Pyramidalis Compacta'
74RD00268	G	occidentalis L. 'Pyramidalis Compacta'
00ZG00497	G	occidentalis L. 'Recurva Nana'
00ZG01371	G	occidentalis L. 'Recurva Nana'
00ZG00504	G	occidentalis L. 'Recurvata'
00ZG00498	G	occidentalis L. 'Riversii'
00ZG02055	G	occidentalis L. 'Riversii'
00ZG00499	G	occidentalis L. 'Rosenthalii'
00ZG00174	G	occidentalis L. 'Semperaurea'
00ZG00500	G	occidentalis L. 'Smaragd'
86RD00417	K	occidentalis L. 'Snow Tip'
86RD00402	K	occidentalis L. 'Stolwijks Variegata'

Cupressaceae

00ZG00689	G	occidentalis L. 'Sunkist'
00ZG01500	G	occidentalis L. 'Techny'
00ZG00682	G	occidentalis L. 'Tiny Tim'
00ZG00501	G	occidentalis L. 'Van Der Bom'
00ZG01671	G	occidentalis L. 'Van Roon'
00ZG00288	G	occidentalis L. 'Wagneri'
00ZG00502	G	occidentalis L. 'Wagneri'
00ZG00306	G	occidentalis L. 'Wareana'
00ZG00684	G	occidentalis L. 'Waxen'
74RD00269	G	occidentalis L. 'Woodwardii'
61RD01678	I G	orientalis L.
78RD00185	G	orientalis L.
78RD00186	G	orientalis L.
78RD00270	G	orientalis L.
74RD00270	G	orientalis L. 'Aurea Nana'
00ZG00505	G	orientalis L. 'Blijdenstein'
00ZG01501	G	orientalis L. 'Conspicua'
00ZG00506	G	orientalis L. 'Elegantissima'
63RD00426	G	orientalis L. 'Elegantissima'
86RD00424	K	orientalis L. 'Madurodam'
86RD00421	K	orientalis L. 'Rosedalis Compacta'
79RD00623	G	orientalis L. 'Sanderi'
00ZG02074	G	orientalis L. 'Semperaurea'
86RD00409	K	orientalis L. 'Summer Cream'
70RD00040	E	plicata Donn ex D. Don
76RD00010	E	plicata Donn ex D. Don
2 of 30 accessions sharing this taxon are listed above		
00ZG00256	G	plicata Donn ex D. Don 'Atrovirens'
00ZG02044	G	plicata Donn ex D. Don 'Atrovirens'
00ZG02045	G	plicata Donn ex D. Don 'Atrovirens'
00ZG03072	G	plicata Donn ex D. Don 'Atrovirens'
00ZG03073	G	plicata Donn ex D. Don 'Atrovirens'
00ZG03127	G	plicata Donn ex D. Don 'Atrovirens'
86RD00452	K	plicata Donn ex D. Don 'Can Can'
86RD00412	K	plicata Donn ex D. Don 'Collyers Gold'
90RD00211	K	plicata Donn ex D. Don 'Cuprea'
00ZG03022	G	plicata Donn ex D. Don. cv.
86RD00278	U	plicata Donn ex D. Don. cv.
86RD00406	K	plicata Donn ex D. Don 'Doone Valley'
86RD00364	K	plicata Donn ex D. Don 'Dura'
00ZG00509	G	plicata Donn ex D. Don 'Euchlora'
77RD00211	G	plicata Donn ex D. Don 'Europa Gold'
00ZG00510	G	plicata Donn ex D. Don 'Excelsa'
00ZG01335	G	plicata Donn ex D. Don 'Excelsa'
00ZG00685	G	plicata Donn ex D. Don 'Fastigiata'
00ZG00511	G	plicata Donn ex D. Don 'Gracilis Aurea'
00ZG01353	G	plicata Donn ex D. Don 'Gracilis Aurea'

Cupressaceae

00ZG00512	G	plicata Donn ex D.Don 'Hillieri'
00ZG01290	G	plicata Donn ex D.Don 'Hillieri'
00ZG01366	G	plicata Donn ex D.Don 'Hillieri'
00ZG00257	G	plicata Donn ex D.Don 'Semperaurescens'
00ZG00514	G	plicata Donn ex D.Don 'Stoneham Gold'
86RD00430	K	plicata Donn ex D.Don 'Stoneham Gold'
00ZG01334	G	plicata Donn ex D.Don 'Theunissen'
00ZG00159	G	plicata Donn ex D.Don 'Zebrina'
00ZG00255	G	plicata Donn ex D.Don 'Zebrina'
00ZG00305	G	plicata Donn ex D.Don 'Zebrina'
00ZG02704	G	plicata Donn ex D.Don 'Zebrina'
00ZG02706	G	plicata Donn ex D.Don 'Zebrina'
00ZG02710	G	plicata Donn ex D.Don 'Zebrina'
00ZG02792	G	plicata Donn ex D.Don 'Zebrina'
00ZG02794	G	plicata Donn ex D.Don 'Zebrina'
00ZG03101	G	plicata Donn ex D.Don 'Zebrina'
78RD00709	G	plicata Donn ex D.Don 'Zebrina'
00ZG00084	G	standishii (Gord.) Carr.
00ZG00304	G	standishii (Gord.) Carr.
00ZG00686	G	standishii (Gord.) Carr.
00ZG02042	G	standishii (Gord.) Carr.
00ZG02043	G	standishii (Gord.) Carr.
00ZG02705	G	standishii (Gord.) Carr.
74RD00221	G	standishii (Gord.) Carr.

Thujaopsis

00ZG03217	G	dolabrata (L.f.) Sieb. & Zucc.
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Thujaopsis

00ZG03221	G	dolabrata (L.f.) Sieb. & Zucc.
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1 of 21 accessions sharing this taxon are listed above

00ZG00759	G	dolabrata (L.f.) Sieb. & Zucc. 'Altissima'
00ZG01503	G	dolabrata (L.f.) Sieb. & Zucc. 'Aurea'
00ZG00687	G	dolabrata (L.f.) Sieb. & Zucc. var. hondai Mak.
80RD00116	G	dolabrata (L.f.) Sieb. & Zucc. var. hondai Mak.
84RD00046	E	dolabrata (L.f.) Sieb. & Zucc. 'Nana' [Japan]
90RD01098	K	dolabrata (L.f.) Sieb. & Zucc. 'Nana'
00ZG00760	G	dolabrata (L.f.) Sieb. & Zucc. 'Plicata'
00ZG00517	G	dolabrata (L.f.) Sieb. & Zucc. 'Robusta'
65RD00116	I G	dolabrata (L.f.) Sieb. & Zucc. 'Variegata'
86RD00443	K	dolabrata (L.f.) Sieb. & Zucc. 'Variegata'

Cyanastraceae

Cyanastrum

73GR00159	I G	cordifolium Oliv.
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Cyatheaceae

Cyatheaceae

Cibotium

- 68GR01054 I G E schiedeii Schlechtend. & Cham.

Cycadaceae

Ceratozamia

- 68GR01053 I G V mexicana Brongn. var. mexicana
 68GR00860 I G robusta Miq.
 73GR00700 I G robusta Miq.
 73GR00740 I G robusta Miq.

Cycas

- 89GR00017 E K circinalis L. var. circinalis [Sri Lanka]
 89GR00018 E K circinalis L. var. circinalis [Sri Lanka]
 89GR00021 E K circinalis L. var. circinalis [Sri Lanka]
 89GR00022 E K circinalis L. var. circinalis [Sri Lanka]
 89GR00023 E K circinalis L. var. circinalis [Sri Lanka]
 89GR00024 E K circinalis L. var. circinalis [Sri Lanka]
 89GR00026 E K circinalis L. var. circinalis [Sri Lanka]
 89GR00027 E K circinalis L. var. circinalis [Sri Lanka]
 89GR00028 E K circinalis L. var. circinalis [Sri Lanka]
 89GR00029 E K circinalis L. var. circinalis [Sri Lanka]

10 of 22 accessions sharing this taxon are listed above

- 77GR00105 G N revoluta Thunb.
 74GR00773 G E taiwaniana Carruth.

Dioon

- 74GR00774 I G K edule Lindl.
 89GR00088 K K edule Lindl.

Encephalartos

- 76GR00650 I G R altensteinii Lehm.
 76GR00649 I G R lehmannii Lehm.
 75GR00125 I G R villosus Lem.

Lepidozamia

- 86GR01269 E peroffskyana Regel [New South Wales]

Macrozamia

- 88GR00155 U spiralis (Salisb.) Miq.

Stangeria

- 74GR00351 I G K eriopus (Kunze) Nash

Cycadaceae

Zamia

- 87GR00022 S E amblyphyllidia [Santo Domingo]
 74GR00520 I E fairchildiana L.D.Gomez [MAAS 1650 Panama]
 72GR00398 I G V furfuracea L.f.
 74GR00501 I E E pseudoparasitica Yates [MAAS Panama]
 86GR00107 I E roezlii Lind. [H.L. Colombia]

Cyclanthaceae

Carludovica

- 68GR00859 I G palmata Ruiz & Pav.

Dicranopygium

- 76GR00126 I E pygmaeum (Gleas.) Harl. subsp. pygmaeum [BL Suriname]

Ludovia

- 88GR00187 E integrifolia [French Guiana]
 83GR00366 I E lancifolia Brongn. [F.BI 1194 French Guiana]

Cyperaceae

Carex

- 85ZB00007 G buchananii Berggr. 'Viridis'
 92ZS00291 S buxbaumii Wahlenb. subsp. buxbaumii [E.Germany]
 65BL00064 E firma Host
 91ZS00256 E flacca Schreber [Switzerland]
 76BL00004 I G grayi Carey
 76ZS00006 I G grayi Carey
 77ZS00010 E merritt-fernaldii Mackenz. [Quebec]
 75BL00115 G morrowii Boott 'Variegata'
 85ZB00010 G muskingumensis Schweinf.
 91ZS01745 U nigra (L.) Reichard
 91ZS00637 G oederi Retz. subsp. oedocarpa (N.J. Andersson) Lange
 91ZS00787 G oederi Retz. subsp. oedocarpa (N.J. Andersson) Lange
 75BL00143 G ornithopoda Willd. 'Variegata'
 75ZS00034 I G ovalis Good.
 85ZB00011 G pallescens L.
 69BL00445 I G pendula Huds.
 70ZS00026 I G pendula Huds.
 80ZS00057 I E pseudocyperus L. [Norway]
 68GR00874 I G scaposa C.B.Clarke
 75ZS00033 G sparganioides Muhl. ex Schkuhr
 66BL00196 I E spicata Hudson [Austria]
 91ZS00817 E spicata Hudson [E.Germany]

Cladium

- 90ZS00954 E mariscus (L.) Pohl [E.Germany]

Cyperaceae

- Cyperus**
- 75GR00399 G diffusus Vahl
 91GR01145 G esculentus L.
 91ZE00638 I G fuscus L.
 68GR00976 G gracilis R.Br.
 78GR00133 G E papyrus L.
 91GR01144 G rotundus L.

- Eriophorum**
- 83BL00436 E scheuchzeri Hoppe [N 8302 Switzerland]

- Kobresia**
- 83BL00129 E simpliciuscula (Wahlenb.) Mackenz. [Norway]

- Scirpus**
- 84GR00399 G cernuus Vahl
 77ZS00034 G sylvaticus L.

Davalliaceae

- Davallia**
- 84GR00109 E canariensis (L.) J.E.Sm. [VELDH. 001 Spain]
 84GR00111 E canariensis (L.) J.E.Sm. [VELDH. 003 Spain]
 84GR00125 E canariensis (L.) J.E.Sm. [VELDH. 017 Spain]
 68GR00493 I G fejeensis W.J.Hook.
 87GR00072 E heterophylla J.Sm. [H.- 7810-01 Phillippines]
 68GR00492 I G pentaphylla Bl.
 81GR00150 E spec. [H.- 6354 Melaka (Distr. Malakka)]
 68GR00494 I G trichomanoides Bl. var. trichomanoides

- Davallodes**
- 83GR00557 U burbridgei C.Chr.
 87GR00116 E hirsutum [H.- 7839-01 Phillippines]

- Humata**
- 68GR00517 I G tyermannii T. Moore

- Nephrolepis**
- 86GR00015 E spec. [GRL 129 Luzon]
 86GR00748 E spec. [H.- 6873-1 Costa Rica]
 86GR01009 E spec. [H.- 7097-1 Costa Rica]
 91GR00009 U spec. [H.-]

- Oleandra**
- 82GR00300 U spec. [R.W.T. 442]

Dennstaedtiaceae

Dennstaedtiaceae

Costaricia
86GR00427 E spec. [H.- Costa Rica]

Histiopteris
86GR00875 E spec. [H.- 7022-01 Costa Rica]

Hypolepis
86GR00690 E spec. [H.- 6839-1 Costa Rica]

Microlepia
68GR00530 I G platyphylla (D. Don) J. Sm.
85GR00031 G platyphylla (D. Don) J. Sm.

Pteridium
79ZS00034 G R aquilinum (L.) Kuhn

Saccoloma
86GR00997 E spec. [H.- 7080-S Costa Rica]

Diapensiaceae

Galax
84BL00474 G urceolata (Poir.) Brummitt

Shortia
84BL00473 G I galacifolia Torr. & A. Gray
84BL00472 G soldanelloides (Sieb. & Zucc.) Mak.

Didiereaceae

Alluaudia
76GR00508 G K humbertii Choux
76GR00427 G N procera (Drake) Drake

Dilleniaceae

Hibbertia
73GR00499 I G scandens (Willd.) Dryand. ex Hoogl.
90GR00581 E scandens (Willd.) Dryand. ex Hoogl. [New South Wales]

Dioscoreaceae

Dioscorea
87GR00261 I E alata L. [MJJ 0600 French Guiana]
65BL00155 I G balcanica Kosanin
67BL00281 I G I caucasica Lipsky

Dioscoreaceae

- 73GR00651 I G **Testudinaria**
sylvatica Hort. Berol. ex Kunth

Dipsacaceae

- 71BL00395 G **Cephalaria**
alpina (L.) Schrad. ex Roem. & Schult.
77BL00316 E caucasica Litvin. [N.Asia Minor]
71ZS00069 V G gigantea (Ledeb.) Bobrov

- Dipsacus**
54ZE02114 I G fullonum L.
91ZE00259 E fullonum L. [Switzerland]
91ZE00657 E fullonum L. [Switzerland]
54ZE02163 I G laciniatus L.

- Knautia**
80ZS00031 I E arvensis (L.) Coult. [Norway]
86BL00382 S drymeia Heuff. subsp. drymeia [Yugoslavia]

- Morina**
84BL00117 G longifolia Wall. ex DC.

- Pterocephalus**
66BL00443 I G perennis Coult. subsp. perennis

- Scabiosa**
91ZS00235 E R columbaria L. [Austria]
91ZS00719 E R columbaria L. [W.Germany]
91ZS01919 E R columbaria L. [W.Germany]
92ZS00175 E R columbaria L. [Switzerland]
69BL00240 I G graminifolia L.
64BL00149 I E lucida Vill. [Switzerland]
71BL00027 I E ochroleuca L. [Austria]
71BL00095 G rhodopensis Stoj. & Stef.

- Succisa**
71ZS00070 I G pratensis Moench
92ZS00253 E pratensis Moench [Norway]

- Succisella**
71ZS00071 I G inflexa (Kluk.) Beck

Droseraceae

- Dionaea**
73GR00147 I G muscipula Ellis

Droseraceae

Drosera

- 92GR00105 K R adelsae F. Muell.
 90BL00152 E arcturi W.J. Hook. [New South Wales]
 72GR00168 I G binata Labill.
 72GR00169 I G capensis L.
 77GR00196 G capensis L.
 91BL00747 E intermedia Hayne [Belgium]
 92ZS00106 E rotundifolia L. [Drenthe]

Ebenaceae

Diospyros

- 91GR01527 G kaki Thunb.
 92BL01032 G kaki Thunb.
 71RD00068 I G I lotus L.
 76RD00027 G I lotus L.
 90RD00225 K I lotus L.
 78RD01061 G virginiana L.
 90RD00226 K virginiana L.

Royena

- 73GR00521 G lucida L.

Elaeagnaceae

Elaeagnus

- 70RD00051 I G angustifolia L. var. angustifolia
 80RD00223 G angustifolia L. var. angustifolia
 80RD00025 E commutata Bernh. ex Rydb. [Alberta]
 62RD00153 I G x ebbingei Boom ex Doorenb.
 90RD00229 K x ebbingei Boom ex Doorenb.
 00ZG00872 I G multiflora Thunb.
 00ZG00926 I G multiflora Thunb.
 60RD00714 G multiflora Thunb.
 82RD00359 K pungens Thunb. 'Aurea'
 74RD00276 G pungens Thunb. var. pungens
 90RD00228 K pungens Thunb. var. pungens
 77RD00558 I G umbellata Thunb. var. umbellata
 78RD00219 S umbellata Thunb. var. umbellata [Japan]

Hippophae

- 77RD00559 G rhamnoides L.
 92RD00725 K rhamnoides L.

Shepherdia

- 74RD00027 G argentea (Pursh) Nutt.
 77RD00560 G argentea (Pursh) Nutt.

Elaeagnaceae

- 78RD00103 E canadensis (L.) Nutt. [United States (excl. Alaska)]
 91RD00721 G canadensis (L.) Nutt.

Empetraceae

Empetrum

- 92RD00818 G eamesii Fern. & Wieg.
 64RD00359 G nigrum L. subsp. hermaphroditum (Lange) Böcher
 64RD00385 I G nigrum L. subsp. nigrum

Epacridaceae

Leucopogon

- 92BL00828 G fraseri A. Cunn.

Ephedraceae

Ephedra

- 63RD00379 G americana Humb. & Bonpl. var. andina Stapf
 72RD00279 E distachya L. subsp. distachya
 73GR00515 I G fragilis Desf. subsp. fragilis
 72RD00280 G gerardiana Wall. ex Stapf var. gerardiana
 72RD00087 I G gerardiana Wall. ex Stapf var. sikkimensis Stapf
 82RD00122 E gerardiana Wall. ex Stapf var. sikkimensis Stapf [Nepal]
 89RD00012 E spec. [WOLB 88016 Nepal]

ERICACEAE

Introduction

The collection of *Ericaceae* in the Von Gimborn Arboretum is one of the largest in The Netherlands.

In the arboretum, the *Rhododendron* collection makes up a substantial part of the *Ericaceae*, and consists of various old cultivars partially still unidentified, which has been added with specimens of true species of natural source in the recent past.

Apart from this, many representatives of ground-covering species are present of relatively few genera and species, and, besides *Rhododendron*, emphasis lies on this group. The genera in question are *Enkianthus*, *Gaultheria*, *Kalmia*, *Leucothoe*, and *Pieris*.

On the whole, the family *Ericaceae* forms a focal-point collection, in which the largest genus *Rhododendron* is still under-represented

in respect of species.

Aims

- 1 Further development of the collection to a higher level, especially by adding species from their natural habitats.
- 2 Establishment of a collection in which as many genera as possible are represented ("in-breadth"specialization) and a few genera with as many species and/or cultivars as possible ("in-depth" specialization).
- 3 For *Rhododendron*, establishment of a complete collection of hardy specimens of wild origin.

Programme

Adding material from a natural habitat to the collection in general, esp. in *Rhododendron*, and reduction of the cultivar assortment of the latter. Evaluation of the current collection.

Testing of available material of a few genera, suitable for commercial cultivation, for example *Pieris floribunda*. This species can still not be duplicated vegetatively.

This will be further researched in cooperation with several nurseries.

Location

This part of the collection is found almost entirely in the Von Gimborn Arboretum. The difficult-to-cultivate miniature species can be found in the Heather Garden at Fort Hoofddijk.

Publications

Jong 1986e.

Ericaceae

		Agapetes
92GR00559	G	serpens (Wight) Sleum.
		Andromeda
91RD00950	K	glaucophylla Link
64RD00361	I G	glaucophylla Link 'Latifolia'
79RD00450	G	glaucophylla Link 'Latifolia'
61RD01659	I E	polifolia L. [EAM <u>The Netherlands</u>]
79RD00203	G	polifolia L.

Ericaceae

- 86RD00335 E polifolia L. [France]
- Arbutus**
- 73GR00529 G unedo L.
- Arctostaphylos**
- 81RD00101 E alpina (L.) Spreng. var. rubra (Fern.) Rehd. & Wils. [Alber-
ta]
- 71RD00201 G californica ???
- 77RD00146 E columbiana Piper [Washington]
- 88RD00212 E manzanita Parry [California]
- 62RD00695 G V uva-ursi (L.) Spreng.
- 79RD00071 E V uva-ursi (L.) Spreng. [Norway]
- 80RD00074 E V uva-ursi (L.) Spreng. [Switzerland]
- 91RD01075 K V uva-ursi (L.) Spreng.
- Bruckenthalia**
- 64RD00374 I G spiculifolia (Salisb.) Rchb.
- Calluna**
- 91RD01269 K vulgaris (L.) Hull
- 92RD00324 E vulgaris (L.) Hull [Finland]
- 70RD00181 G vulgaris (L.) Hull 'Alba Carlton'
- 64RD00379 G vulgaris (L.) Hull 'Alba Plena'
- 77RD00535 G vulgaris (L.) Hull 'Alba Praeox'
- 82RD00349 G vulgaris (L.) Hull 'Allegro'
- 64RD00384 G vulgaris (L.) Hull 'Alportii'
- 67RD00052 G vulgaris (L.) Hull 'Alportii Praeox'
- 83RD00250 G vulgaris (L.) Hull 'Annemarie'
- 76RD00264 G vulgaris (L.) Hull 'Arina'
- 76RD00255 G vulgaris (L.) Hull 'Aurea'
- 67RD00101 G vulgaris (L.) Hull 'Barnet Anley'
- 74RD00199 G vulgaris (L.) Hull 'Battle of Arnhem'
- 76RD00256 G vulgaris (L.) Hull 'Beoley Crimson'
- 67RD00105 G vulgaris (L.) Hull 'Beoley Gold'
- 76RD00265 G vulgaris (L.) Hull 'Boskoop'
- 67RD00042 G vulgaris (L.) Hull 'C.W.Nix'
- 88RD00287 K vulgaris (L.) Hull 'Caerketton White'
- 74RD00192 G vulgaris (L.) Hull 'Carmen'
- 83RD00297 K vulgaris (L.) Hull 'Con Brio'
- 82RD00350 G vulgaris (L.) Hull 'Coral Island'
- 66RD00108 G vulgaris (L.) Hull 'County Wicklow'
- 74RD00299 G vulgaris (L.) Hull 'Cramond'
- 76RD00273 G vulgaris (L.) Hull 'Crimson Sunset'
- 64RD00409 G vulgaris (L.) Hull 'Cuprea'
- 74RD00297 G vulgaris (L.) Hull 'Dainty Bess'
- 74RD00198 G vulgaris (L.) Hull 'Darkness'

Ericaceae

66RD00129	G	vulgaris (L.) Hull 'Darleyensis'
82RD00351	G	vulgaris (L.) Hull 'Dart's Beauty'
76RD00271	G	vulgaris (L.) Hull 'Dart's Gold'
76RD00267	G	vulgaris (L.) Hull 'Dart's Silver Rocket'
66RD00130	G	vulgaris (L.) Hull 'David Eason'
91RD01287	K	vulgaris (L.) Hull 'Dekker'
76RD00272	G	vulgaris (L.) Hull 'Dirry'
67RD00104	G	vulgaris (L.) Hull 'Drum-Ra'
88RD00290	K	vulgaris (L.) Hull 'Dunnet Lime'
76RD00266	G	vulgaris (L.) Hull 'Elegant Pearl'
66RD00151	G	vulgaris (L.) Hull 'Elegantissima'
70RD00176	G	vulgaris (L.) Hull 'Elsie Purnell'
76RD00268	G	vulgaris (L.) Hull 'Fairy'
76RD00259	G	vulgaris (L.) Hull 'Finale'
67RD00158	G	vulgaris (L.) Hull 'Flore Pleno'
64RD00357	G	vulgaris (L.) Hull 'Foxii Nana'
74RD00207	G	vulgaris (L.) Hull 'Fred.J.Chapple'
83RD00298	G	vulgaris (L.) Hull 'Ginkel's Glorie'
74RD00307	G	vulgaris (L.) Hull 'Gold Flame'
69RD00117	G	vulgaris (L.) Hull 'Gold Haze'
69RD00182	G	vulgaris (L.) Hull 'Golden Carpet'
67RD00107	G	vulgaris (L.) Hull 'Golden Feather'
83RD00299	G	vulgaris (L.) Hull 'Golden Max'
64RD00425	G	vulgaris (L.) Hull 'Goldsworth Crimson'
64RD00358	K	vulgaris (L.) Hull 'H.E.Beale'
69RD00025	G	vulgaris (L.) Hull 'Hammondii Aureifolia'
88RD00288	K	vulgaris (L.) Hull 'Hammondii Rubrifolia'
70RD00182	G	vulgaris (L.) Hull 'Hamondii'
88RD00289	K	vulgaris (L.) Hull 'Hirsuta'
74RD00293	G	vulgaris (L.) Hull 'Humpty Dumpty'
74RD00302	G	vulgaris (L.) Hull 'Ineke'
65RD00257	G	vulgaris (L.) Hull 'J.H.Hamilton'
82RD00353	G	vulgaris (L.) Hull 'Jan Dekker'
64RD00480	G	vulgaris (L.) Hull 'Joan Sparkes'
74RD00295	G	vulgaris (L.) Hull 'John F.Letts'
79RD00318	G	vulgaris (L.) Hull 'Kinlochruel'
88RD00291	G	vulgaris (L.) Hull 'Kirby White'
67RD00169	G	vulgaris (L.) Hull 'Kynance'
66RD00149	G	vulgaris (L.) Hull 'Long White'
76RD00270	G	vulgaris (L.) Hull 'Lyle's Late White'
83RD00302	K	vulgaris (L.) Hull 'Mallard'
74RD00298	G	vulgaris (L.) Hull 'Marleen'
83RD00300	G	vulgaris (L.) Hull 'Mazurka'
83RD00301	G	vulgaris (L.) Hull 'Minima Smith's Variety'
83RD00303	G	vulgaris (L.) Hull 'Mousehole'
88RD00292	K	vulgaris (L.) Hull 'Mousehole'
64RD00472	G	vulgaris (L.) Hull 'Mrs.Ronald Gray'

Ericaceae

64RD00407	G	vulgaris (L.) Hull 'Mullion'
74RD00197	G	vulgaris (L.) Hull 'Multicolor'
83RD00304	G	vulgaris (L.) Hull 'My Dream'
74RD00301	G	vulgaris (L.) Hull 'Nana Compacta'
83RD00305	K	vulgaris (L.) Hull 'Oiseval'
83RD00306	G	vulgaris (L.) Hull 'Orange Max'
69RD00183	G	vulgaris (L.) Hull 'Orange Queen'
74RD00304	G	vulgaris (L.) Hull 'Oxshott Common'
64RD00476	G	vulgaris (L.) Hull 'Peter Sparkes'
74RD00196	G	vulgaris (L.) Hull 'Radnor'
69RD00088	G	vulgaris (L.) Hull 'Ralph Purnell'
88RD00294	K	vulgaris (L.) Hull 'Red Star'
88RD00293	K	vulgaris (L.) Hull 'Robert Chapman'
76RD00261	G	vulgaris (L.) Hull 'Roland Haagen'
91RD01288	K	vulgaris (L.) Hull 'Ruth Sparkes'
83RD00307	G	vulgaris (L.) Hull 'Schurig's Sensation'
76RD00257	G	vulgaris (L.) Hull 'Silver Knight'
66RD00140	G	vulgaris (L.) Hull 'Silver Queen'
74RD00194	G	vulgaris (L.) Hull 'Silver Rose'
76RD00260	G	vulgaris (L.) Hull 'Sir John Charrington'
66RD00128	G	vulgaris (L.) Hull 'Sister Anne'
91RD01268	K	vulgaris (L.) Hull 'Spicata'
91RD01270	K	vulgaris (L.) Hull 'Spicata Nana'
76RD00269	G	vulgaris (L.) Hull 'Spring Cream'
76RD00258	G	vulgaris (L.) Hull 'Spring Torch'
76RD00262	G	vulgaris (L.) Hull 'St.Nick'
67RD00102	G	vulgaris (L.) Hull 'Sunset'
66RD00103	G	vulgaris (L.) Hull 'Tenuis'
77RD00538	G	vulgaris (L.) Hull 'Tib'
74RD00303	G	vulgaris (L.) Hull 'Tremans'
88RD00285	K	vulgaris (L.) Hull 'Tricolorifolia'
69RD00118	G	vulgaris (L.) Hull 'Underwoodii'
77RD00539	G	vulgaris (L.) Hull 'Visser's Fancy'
67RD00168	G	vulgaris (L.) Hull 'White Gown'
88RD00286	K	vulgaris (L.) Hull 'White Lawn'
83RD00308	G	vulgaris (L.) Hull 'Wickwar Flame'
76RD00263	G	vulgaris (L.) Hull 'Winter Chocolate'

Cassiope

91RD01177	G	'Beatrice Lilley'
91RD01178	G	'Edinburgh'
81RD00016	E	fastigiata (Wall.) D.Don [Nepal]
70RD00183	I G	lycopodioides (Pall.) D.Don
91RD01320	G	lycopodioides (Pall.) D.Don
74BL00121	G	'Muirhead'
91RD01176	G	'Muirhead'
69RD00172	I G	tetragona (L.) D.Don

Ericaceae

Ceratostema

90GR00261 S N calycinum Benth. & J.D. Hook. [Ecuador]

Chamaedaphne

00ZG00096 I G calyculata (L.) Moench
 61RD00856 I E calyculata (L.) Moench [Ontario]
 71RD00074 I G calyculata (L.) Moench
 84RD00020 E calyculata (L.) Moench var. angustifolia (Ait.) Rehd.
 [Quebec]
 88RD00323 G calyculata (L.) Moench 'Nana'

Cladothamnus

86RD00505 E pyroliflorus Bong. [Yukon]

Daboecia

78RD01098 G cantabrica (Huds.) K.Koch
 66RD00144 I G cantabrica (Huds.) K.Koch 'Alba'
 83RD00311 G cantabrica (Huds.) K.Koch 'Alba Globosa'
 88RD00295 K cantabrica (Huds.) K.Koch 'Atropurpurea'
 69RD00098 G cantabrica (Huds.) K.Koch 'Bicolor'
 78RD01099 G cantabrica (Huds.) K.Koch 'Bicolor'
 83RD00309 G cantabrica (Huds.) K.Koch 'Cinderella'
 83RD00310 G cantabrica (Huds.) K.Koch 'Cupido'
 66RD00150 G cantabrica (Huds.) K.Koch 'Praegerae'
 83RD00312 G x scotica 'Red Imp'
 83RD00313 G x scotica 'Robin'
 69RD00171 G x scotica 'William Buchanan'

Enkianthus

00ZG00962 I G R campanulatus (Miq.) Nichols.
 68RD00037 G R campanulatus (Miq.) Nichols.
 71RD00097 I G R campanulatus (Miq.) Nichols.
 76RD00151 I G R campanulatus (Miq.) Nichols.
 77RD00078 S R campanulatus (Miq.) Nichols. [Japan]
 00ZG00184 I G cernuus (Sieb. & Zucc.) Mak. var. rubens (Maxim.) Mak.
 84RD00021 S cernuus (Sieb. & Zucc.) Mak. var. rubens (Maxim.) Mak.
 [Japan]
 85RD00004 S cernuus (Sieb. & Zucc.) Mak. var. rubens (Maxim.) Mak.
 [Japan]
 86RD00008 S cernuus (Sieb. & Zucc.) Mak. var. rubens (Maxim.) Mak.
 [Japan]
 88RD00158 G cernuus (Sieb. & Zucc.) Mak. var. rubens (Maxim.) Mak.
 83RD00022 E deflexus (Griff.) Schneid. [Sichuan]
 86RD00018 G deflexus (Griff.) Schneid.
 88RD00097 G perulatus (Miq.) Schneider

Ericaceae

		Erica
00ZG01394	G	arborea L. var. alpina Dieck
00ZG02148	G	arborea L. var. alpina Dieck
69RD00046	G	arborea L. var. alpina Dieck
81RD00402	K	arborea L. var. alpina Dieck
67RD00144	G	carnea L.
67RD00098	G	carnea L. 'Alan Coates'
64RD00408	G	carnea L. 'Alba Nana'
76RD00280	G	carnea L. 'Ann Sparkes'
64RD00369	G	carnea L. 'Aurea'
67RD00145	G	carnea L. 'Cecilia M.Beale'
88RD00313	K	carnea L. 'Challenger'
74RD00292	G	carnea L. 'December Red'
69RD00114	G	carnea L. 'Eileen Porter'
74RD00309	G	carnea L. 'Foxhollow'
91RD01286	K	carnea L. 'Foxhollow Fairy'
76RD00279	G	carnea L. 'Heathwood'
64RD00368	G	carnea L. 'James Backhouse'
77RD00540	G	carnea L. 'John Kampa'
88RD00307	K	carnea L. 'King George'
64RD00410	G	carnea L. 'Loughrigg'
67RD00146	G	carnea L. 'Mrs.Samuel Doncaster'
76RD00281	G	carnea L. 'Myretoun Ruby'
67RD00143	G	carnea L. 'Pink Beauty'
67RD00100	G	carnea L. 'Pink Spangles'
76RD00278	G	carnea L. 'Pirbright Rose'
67RD00154	G	carnea L. 'Praecox Rubra'
69RD00109	G	carnea L. 'Prince of Wales'
69RD00101	G	carnea L. 'Queen Mary'
64RD00424	G	carnea L. 'Queen of Spain'
91RD01290	K	carnea L. 'Rosy Gem'
85RD00395	K	carnea L. 'Rubteppich'
64RD00443	G	carnea L. 'Ruby Glow'
64RD00433	G	carnea L. 'Snow Queen'
67RD00048	G	carnea L. 'Springwood Pink'
64RD00453	G	carnea L. 'Springwood White'
64RD00490	G	carnea L. 'Startler'
67RD00008	G	carnea L. 'Thomas Kingscote'
64RD00418	G	carnea L. 'Vivellii'
76RD00277	G	carnea L. 'Vivellii Aurea'
88RD00305	G	carnea L. 'Westwood Yellow'
67RD00178	G	carnea L. 'Winter Beauty'
67RD00131	G	ciliaris L.
67RD00132	G	ciliaris L. 'Globosa'
64RD00398	G	cinerea L. 'Alba'
64RD00491	G	cinerea L. 'Alba Minor'
83RD00314	G	cinerea L. 'Anja Blum'

Ericaceae

74RD00312	G	cinerea L. 'Ann Berry'
77RD00545	G	cinerea L. 'Atrosanguinea Smith's Variety'
64RD00387	G	cinerea L. 'C.D.Eason'
82RD00357	G	cinerea L. 'Cevennes'
91RD01271	K	cinerea L. 'Domino'
74RD00203	G	cinerea L. 'Eden Valley'
69RD00075	G	cinerea L. 'G.Osmond'
88RD00311	K	cinerea L. 'Golden Drop'
74RD00313	G	cinerea L. 'Golden Sport'
74RD00315	G	cinerea L. 'Heidebrand'
88RD00310	G	cinerea L. 'Katinka'
69RD00103	G	cinerea L. 'Lilacina'
64RD00421	G	cinerea L. 'Pallas'
74RD00202	G	cinerea L. 'Pallida'
82RD00354	G	cinerea L. 'Providence'
76RD00289	G	cinerea L. 'Purple Beauty'
67RD00097	G	cinerea L. 'Pygmaea'
64RD00414	G	cinerea L. 'Rosea'
69RD00186	G	cinerea L. 'Stephen Davis'
88RD00309	K	cinerea L. 'Velvet Night'
69RD00085	G	cinerea L. 'W.G.Notley'
88RD00315	K	cinerea L. 'Yvonne'
91RD01289	K	x darleyensis Bean 'Arthur Johnson'
67RD00009	G	x darleyensis Bean 'Darley Dale'
64RD00375	G	x darleyensis Bean 'Erecta'
67RD00108	G	x darleyensis Bean 'Furzey'
64RD00406	G	x darleyensis Bean 'George Rendall'
74RD00316	G	x darleyensis Bean 'Ghost Hills'
74RD00206	G	x darleyensis Bean 'J.W.Porter'
76RD00283	G	x darleyensis Bean 'Jack H.Brummage'
88RD00316	K	x darleyensis Bean 'Kramers Rote'
74RD00204	G	x darleyensis Bean 'Margaret Porter'
67RD00109	G	x darleyensis Bean 'Norman R.Webster'
64RD00354	G	x darleyensis Bean 'Silberschmelze'
82RD00355	G	x darleyensis Bean 'White Perfection'
65RD00256	G	erigena R.Ross 'Superba'
66RD00141	G	erigena R.Ross 'W.T.Rackliff'
74RD00318	G	mackaiana Babingt. 'Donegal'
67RD00066	G	mackaiana Babingt. 'Plena'
83RD00315	K	x stuartii (Macf.) Lint. 'Connemara'
91RD01266	G	x stuartii (Macf.) Lint. 'Irish Lemon'
83RD00316	K	terminalis Salisb.
67RD00046	G	tetralix L.
64RD00396	G	tetralix L. 'Alba'
83RD00317	G	tetralix L. 'Alba Mollis'
82RD00356	G	tetralix L. 'Ardy'
66RD00111	G	tetralix L. 'Con Underwood'

Ericaceae

- | | | |
|-----------|-----|-----------------------------------------------|
| 77RD00542 | G | tetralix L. 'Daphne Underwood' |
| 69RD00187 | G | tetralix L. 'Helma' |
| 76RD00284 | G | tetralix L. 'Hookstone Pink' |
| 70RD00172 | G | tetralix L. 'Ken Underwood' |
| 77RD00543 | G | tetralix L. 'L.E. Underwood' |
| 74RD00321 | G | tetralix L. 'Pink Star' |
| 83RD00318 | G | tetralix L. 'Rosea' |
| 83RD00319 | G | tetralix L. 'Ruby's Variety' |
| 88RD00303 | G | tetralix L. 'Terschelling' |
| 70RD00179 | G | tetralix L. 'Tina' |
| 88RD00301 | K | vagans L. 'Alba' |
| 76RD00285 | G | vagans L. 'Birch Glow' |
| 67RD00135 | G | vagans L. 'Carnea' |
| 69RD00192 | G | vagans L. 'Diana Hornibrook' |
| 83RD00320 | K | vagans L. 'Fiddlestone' |
| 76RD00286 | G | vagans L. 'George Underwood' |
| 67RD00011 | G | vagans L. 'Grandiflora' |
| 69RD00082 | G | vagans L. 'Holden Pink' |
| 83RD00321 | K | vagans L. 'Holden Pink' |
| 69RD00100 | G | vagans L. 'Kevernensis Alba' |
| 67RD00136 | G | vagans L. 'Lyonesse' |
| 69RD00024 | G | vagans L. 'Mrs. D.F. Maxwell' |
| 66RD00145 | G | vagans L. 'Pallida' |
| 77RD00544 | G | vagans L. 'Pyrenees Pink' |
| 88RD00306 | K | vagans L. 'Rosea' |
| 88RD00304 | K | vagans L. 'Rubra' |
| 64RD00370 | G | vagans L. 'St. Keverne' |
| 76RD00287 | G | vagans L. 'Summertime' |
| 74RD00322 | G | vagans L. 'Valerie Proudley' |
| 88RD00300 | K | x watsonii (Benth.) Bean |
| 88RD00298 | K | x watsonii (Benth.) Bean 'Dawn' |
| 88RD00308 | K | x watsonii (Benth.) Bean 'H. Maxwell' |
| 64RD00363 | G | x williamsii Druce 'P.D. Williams' |
| | | x Gaulnettya |
| 91RD01185 | G | 'Pink Pixie' |
| 91RD01186 | G | 'Ruby' |
| 84RD00353 | G | 'Wisley Pearl' |
| | | Gaultheria |
| 85RD00343 | K | adenothrix (Miq.) Maxim. |
| 91RD00346 | G | crassa Allen |
| 91RD01180 | G | crassifolia |
| 69RD00181 | I G | cuneata (Rehd. & Wils.) Bean |
| 79RD00025 | G | cuneata (Rehd. & Wils.) Bean |
| 87RD00129 | E | hispidula (L.) Muehlenb. ex Bigel. [Michigan] |
| 91RD01184 | G | hookeri C.B. Clarke |

Ericaceae

83RD00068	G	itoana Hayata
91RD01181	G	itoana Hayata
91RD01182	G	minima
78RD00748	G	miqueliana Takeda
82RD00177	E	miqueliana Takeda [<u>Kurile Isls.</u>]
84RD00182	G	miqueliana Takeda
85RD00253	E	miqueliana Takeda [<u>Sakhalin</u>]
86RD00121	E	miqueliana Takeda [<u>Japan</u>]
64RD00366	I G	mucronata (L.f.) W.J. Hook. & Arnott
67RD00047	G	mucronata (L.f.) W.J. Hook. & Arnott
91RD01187	G	mucronata (L.f.) W.J. Hook. & Arnott cv.
91RD01188	G	mucronata (L.f.) W.J. Hook. & Arnott cv.
91RD01189	G	mucronata (L.f.) W.J. Hook. & Arnott cv.
81RD00103	E	ovatifolia A.Gray [<u>Washington</u>]
86RD00122	E	ovatifolia A.Gray [<u>W. N. America</u>]
91RD01183	G	ovatifolia A.Gray
00ZG00137	G	procumbens L.
69RD00017	E	procumbens L.
69RD00018	G	procumbens L.
69RD00027	G	procumbens L.
00ZG00875	I G	shallon Pursh
84RD00268	G	veitchiana Craib
Gaylussacia		
69RD00019	G	baccata (Wangenh.) K.Koch
69RD00029	E	baccata (Wangenh.) K.Koch
60RD00703	I G	brachycera (Michx.) A.Gray
88RD00038	E	brachycera (Michx.) A.Gray [<u>Pennsylvania</u>]
Kalmia		
00ZG00034	I G	angustifolia L.
00ZG01227	G	angustifolia L.
00ZG01228	I G	angustifolia L.
00ZG01229	I G	angustifolia L.
64RD00399	I G	angustifolia L.
00ZG00213	G	latifolia L.
00ZG01218	G	latifolia L.
00ZG01219	G	latifolia L.
00ZG01220	G	latifolia L.
00ZG01221	G	latifolia L.
00ZG01222	I G	latifolia L.
00ZG01223	G	latifolia L.
00ZG01224	G	latifolia L.
00ZG01225	G	latifolia L.
75RD00063	I G	latifolia L.
91RD00951	K	latifolia L. 'Ostbo Red'
91RD01413	K	latifolia L. 'Ostbo Red'

Ericaceae

- 78RD00104 E microphylla (W.J.Hook.) A.Heller [Canada]
 80RD00374 E microphylla (W.J.Hook.) A.Heller [Oregon]
 81RD00154 I E polifolia Wangenh. [Quebec]
 82RD00290 E polifolia Wangenh. [New Jersey]
 83RD00256 E polifolia Wangenh. [New Jersey]

Kalmiopsis

- 80RD00054 E leachiana (L.F.Henders.) Rehd. [Oregon]

Ledum

- 69RD00179 G columbianum Piper
 84RD00269 S diversipilum [Sakhalin]
 67RD00068 G glandulosum Nutt.
 64RD00371 I G groenlandicum Oed.
 91RD00722 E groenlandicum Oed. [Quebec]
 81RD00125 E palustre L. var. diversipilum Nakai [Hokkaido]
 82RD00281 G palustre L. var. diversipilum Nakai
 82RD00283 G palustre L. var. diversipilum Nakai
 84RD00159 E palustre L. subsp. palustre [Czechoslovakia]

Leucothoe

- 64RD00362 G axillaris (Lam.) D.Don
 69RD00028 G axillaris (Lam.) D.Don
 82RD00158 U grayana Maxim. var. oblongifolia (Miq.) Ohwi
 86RD00262 I K 'Lovita'
 82RD00292 E racemosa (L.) A.Gray [North Carolina]
 87RD00190 E racemosa (L.) A.Gray [Pennsylvania]
 86RD00280 U spec.
 00ZG00883 I G walteri (Willd.) Melvin
 00ZG03411 G walteri (Willd.) Melvin
 68RD00023 G walteri (Willd.) Melvin
 79RD00523 G walteri (Willd.) Melvin 'Rainbow'
 83RD00335 G walteri (Willd.) Melvin 'Rainbow'
 86RD00261 K walteri (Willd.) Melvin 'Rainbow'
 79RD00524 G walteri (Willd.) Melvin 'Rollissonii'
 86RD00325 K walteri (Willd.) Melvin 'Rollissonii'

Lyonia

- 82RD00293 E ligustrina (L.) DC. [New Jersey]
 83RD00158 E ovalifolia (Wall.) Drude var. elliptica (Sieb. & Zucc.)
 Hand.-Mazz. [Japan]
 86RD00200 E spec. [GUIZ 039 Guizhou]

Macleania

- 90GR00262 K scabra

Ericaceae

Menziesia

- 88RD00162 E cillicalyx (Miq.) Maxim. var. multiflora Makino [Japan]
 92RD00703 G cillicalyx (Miq.) Maxim. var. purpurea Makino
 77RD00149 E ferruginea J.E. Sm. var. ferruginea [Washington]
 83RD00194 E pentandra Maxim. [Asiatic Russia, Arctic Isls.]
 88RD00237 G pilosa (Michx.) Juss.

Oxycoccus

- 66RD00134 G macrocarpos (Aiton) Pursh
 91RD01202 G macrocarpos (Aiton) Pursh
 79RD00552 G macrocarpos (Aiton) Pursh 'Early Black'

Oxydendrum

- 65RD00253 G arboreum (L.) DC.
 81RD00057 E arboreum (L.) DC. [SE 89 Tennessee]

Phyllodoce

- 88RD00320 G caerulea (L.) Babingt.
 79RD00530 G x intermedia (W.J.Hook.) Rydb.
 91RD01179 G x intermedia (W.J.Hook.) Rydb. 'Fred Stoker'
 86RD00558 G nipponica Mak.

Pieris

- 87RD00234 G 'Brouwer's Beauty'
 00ZG00037 I G floribunda (Pursh ex Sims) Benth. & J.D. Hook.
 80RD00576 G floribunda (Pursh ex Sims) Benth. & J.D. Hook.
 80RD00577 G floribunda (Pursh ex Sims) Benth. & J.D. Hook.
 87RD00235 G floribunda (Pursh ex Sims) Benth. & J.D. Hook.
 'Millstream'
 00ZG00036 I G E japonica (Thunb.) D. Don ex G. Don
 62RD00015 I G E japonica (Thunb.) D. Don ex G. Don
 64RD00381 I G E japonica (Thunb.) D. Don ex G. Don
 78RD00736 G E japonica (Thunb.) D. Don ex G. Don
 79RD00091 G E japonica (Thunb.) D. Don ex G. Don
 80RD00578 G E japonica (Thunb.) D. Don ex G. Don
 81RD00069 S E japonica (Thunb.) D. Don ex G. Don
 83RD00325 G E japonica (Thunb.) D. Don ex G. Don
 86RD00260 K E japonica (Thunb.) D. Don ex G. Don
 86RD00376 K japonica (Thunb.) D. Don ex G. Don 'Bert Chandler'
 86RD00337 K japonica (Thunb.) D. Don ex G. Don 'Cupido'
 79RD00630 G japonica (Thunb.) D. Don ex G. Don 'Daisen'
 88RD00129 K japonica (Thunb.) D. Don ex G. Don 'Debutante'
 83RD00324 G japonica (Thunb.) D. Don ex G. Don 'Flamingo'
 92RD01110 K japonica (Thunb.) D. Don ex G. Don 'Little Heath'
 85RD00377 K japonica (Thunb.) D. Don ex G. Don 'Menuet'
 79RD00531 G japonica (Thunb.) D. Don ex G. Don 'Mountain Fire'
 85RD00378 K japonica (Thunb.) D. Don ex G. Don 'Prelude'

Ericaceae

79RD00532	G	japonica (Thunb.) D. Don ex G. Don 'Purity'
86RD00377	K	japonica (Thunb.) D. Don ex G. Don 'Red Mill'
91RD01011	K	japonica (Thunb.) D. Don ex G. Don 'Red Mill'
88RD00130	K	japonica (Thunb.) D. Don ex G. Don 'Rosalinda'
85RD00376	K	japonica (Thunb.) D. Don ex G. Don 'Sarabande'
82RD00367	K	japonica (Thunb.) D. Don ex G. Don 'Select'
79RD00533	G	japonica (Thunb.) D. Don ex G. Don 'Valley Rose'
91RD00947	K	japonica (Thunb.) D. Don ex G. Don 'Variegata'
91RD01010	K	japonica (Thunb.) D. Don ex G. Don 'Variegata'
79RD00534	G	japonica (Thunb.) D. Don ex G. Don 'White Cascade'

Rhododendron

86RD00370	K	(Williamsianum-hybr.) 'Flava'
88RD00133	K	adenophorum Balf.f. & W.W.Sm.
83RD00344	G	'Aksel Olsen'
83RD00159	E	alabamense Rehd. & Wils. [<u>Georgia</u>]
00ZG01651	G	'Alice De Stuers' [OA 149]
67RD00093	G	alutaceum Balf.f. & W.W.Sm. var. alutaceum
64RD00448	G	ambiguum Hemsl.
90RD00209	S	ambiguum Hemsl. [VDL 80556 <u>China</u>]
00ZG01519	G	'America' [OR 1]
83RD00345	G	'America'
64RD00427	G	amesiae Rehd. & Wils.
64RD00438	G	amesiae Rehd. & Wils.
00ZG00004	G	'Amoenum'
64RD00432	G	'Amoenum'
90RD00076	G	anhweiense Wils.
79RD00572	G	'Anna Rose Whitney'
64RD00446	G	anthopogon D.Don
86RD00369	K	'Antje'
64RD00405	G	aperantum Balf.f. & Ward
64RD00434	G	aperantum Balf.f. & Ward
00ZG01656	G	'Apple Blossom' [OA 154]
91RD01407	K	'April Glow'
82RD00294	E	arborescens (Pursh) Torr. [<u>North Carolina</u>]
77RD00335	I G	arborescens (Pursh) Torr. var. richardsonii Rehd.
87RD00082	G	arborescens (Pursh) Torr. var. richardsonii Rehd.
75RD00067	I G	atlanticum (Ashe) Rehd.
00ZG02328	I G	augustinii Hemsl.
64RD00447	I G	augustinii Hemsl.
91RD01079	K	augustinii Hemsl.
83RD00226	E	aureum Georgi [<u>Kamchatka (incl. Komador Isl.)</u>]
00ZG01637	G	'Aurora' [OA 133]
00ZG01661	G	'Aurora' [OA 2]
69RD00020	G	austrinum (Small) Rehd.
82RD00370	K	'Baden-baden'
82RD00295	E	bakeri (W.P.Lemmon & McKay) Hume [<u>North Carolina</u>]

Ericaceae

83RD00160	E	bakeri (W.P.Lemmon & McKay) Hume [Georgia]
00ZG01571	G	'Ballerina' [OA 3]
00ZG01572	G	'Balzac' [OA 4]
84RD00089	G	basilicum Balf.f. & W.W.Sm.
00ZG01573	G	'Basilisk' [OA 5]
79RD00578	G	'Bengal'
00ZG01574	G	'Berryrose' [OA 6]
79RD00573	G	'Blue Ensign'
00ZG01521	G	'Blue Peter' [OR 3]
82RD00364	K	'Blue Tit'
86RD00378	K	'Blue Wonder'
87RD00371	K	'Boskoop'
00ZG01788	G	'Bouquet De Flore' [OA 161]
79RD00580	G	'Bow-bells'
64RD00420	G	brachycarpum D. Don ex G. Don
64RD00431	G	brachycarpum D. Don ex G. Don
84RD00195	E	brachycarpum D. Don ex G. Don [Japan]
67RD00074	G	brevistylum Franch.
87RD00361	K	'Brickdust'
00ZG01613	G	'Bright Straw' [OA 108]
00ZG01522	G	'Britannia' [OR 4]
88RD00134	K	bureavii Franch. 'Gretzel'
87RD00374	K	bureavii Franch. 'Hansel'
87RD00373	K	bureavii Franch. 'Hazel'
88RD00135	K	bureavii Franch. 'Hazel'
87RD00357	K	'Buttermint'
82RD00285	E	calendulaceum (Michx.) Torr. [Pennsylvania]
82RD00296	E	calendulaceum (Michx.) Torr. [North Carolina]
00ZG01524	G	'Calfort' [OR 6]
88RD00136	K	callimorphum Balf.f. & W.W.Sm.
75RD00078	G	calophytum Franch.
75RD00087	I G	calostrotum Balf.f. & Ward
70RD00154	G	camtschaticum Pall.
00ZG00097	I G	canadense (L.) Torr.
00ZG01009	G	canadense (L.) Torr.
00ZG01114	G	canadense (L.) Torr.
00ZG01115	G	canadense (L.) Torr.
00ZG01116	G	canadense (L.) Torr.
00ZG01117	G	canadense (L.) Torr.
00ZG01118	G	canadense (L.) Torr.
68RD00032	G	canadense (L.) Torr.
83RD00058	E	canadense (L.) Torr. [Quebec]
86RD00053	E	canadense (L.) Torr. [Quebec]
67RD00086	G	canescens (Michx.) Sweet
00ZG01525	G	'Caractacus' [OR 7]
79RD00581	G	'Carmen'
81RD00316	E	carolinianum Rehd. [North Carolina]

Ericaceae

84RD00022	S	carolinianum Rehd. [North Carolina]
00ZG01526	G	catawbiense Michx. 'Album' [OR 8]
00ZG01527	G	catawbiense Michx. 'Boursault' [OR 9]
00ZG01528	G	catawbiense Michx. 'Grandiflorum' [OR 10]
79RD00204	G	catawbiense Michx. 'Grandiflorum'
00ZG01575	G	'Cecile' [OA 9]
83RD00347	G	'China Boy'
00ZG01650	G	'Christopher Wren' [OA 148]
00ZG01610	G	'Clarice' [OA 105]
64RD00353	G	'Coccinea Speciosa'
64RD00441	G	concinnum Hemsl. var. concinnum
67RD00087	G	concinnum Hemsl. var. concinnum
00ZG02330	I G	concinnum Hemsl. var. pseudoyanthinum Davidian
67RD00084	G	concinnum Hemsl. var. pseudoyanthinum Davidian
79RD00574	G	'Concorde'
87RD00381	K	'Concorde'
67RD00078	I G	'Corona'
00ZG01576	G	'Coronation Lady' [OA 10]
00ZG01662	G	'Corringe' [OA 11]
86RD00372	K	'Cosmopolitan'
00ZG01529	G	'Countess of Athlone' [OR 11]
79RD00582	G	'Cowslip'
00ZG01530	G	'Cunningham's White'
83RD00348	G	'Cunningham's White'
91RD01076	K	'Curlew'
86RD00373	K	cv.
1 of 21 accessions sharing this taxon are listed above		
00ZG01531	G	'Cynthia' [OR 13]
00ZG01617	G	'Dairymaid' [OA 112]
70RD00155	G	dasypetalum Balf.f. & Forrest
82RD00363	K	dauricum L. var. dauricum
00ZG01621	G	'Daviesii' [OA 116]
00ZG01577	G	'Debutante' [OA 12]
75RD00069	G	degronianum Carr. f. angustifolium (Mak.) Sealy
75RD00092	G	degronianum Carr. f. angustifolium (Mak.) Sealy
88RD00143	K	degronianum Carr. f. angustifolium (Mak.) Sealy 'Fuji-kaku-no-matsu'
69RD00056	G	degronianum Carr. var. degronianum
84RD00280	G	degronianum Carr. var. heptamerum (Maxim.) Sealy
88RD00138	K	degronianum Carr. var. heptamerum (Maxim.) Sealy
82RD00198	U	degronianum Carr. var. hondoense
88RD00139	K	degronianum Carr. var. kyumaruense
64RD00442	G	desquamatum Balf.f. & Forrest
69RD00036	G	desquamatum Balf.f. & Forrest
79RD00598	G	'Diamant'
71RD00154	I G	diaprepes Balf.f. & W.W.Sm.
91RD01082	K	diaprepes Balf.f. & W.W.Sm.

Ericaceae

75RD00071	G	dichroanthum Diels	
79RD00597	G	'Diorama'	
00ZG01785	G	'Directeur Moerlands' [OA 158]	
91RD01077	K	discolor Franch.	
00ZG01532	G	'Doncaster' [OR 14]	
79RD00583	G	'Dora Amateis'	
87RD00364	K	'Dorothy Amateis'	
90RD00280	K	'Dr. Ans Heyting'	
87RD00375	K	'Dr. Tjebbes'	
00ZG01533	G	'Dr. Arnold W. Endtz' [OR 15]	
00ZG01784	G	'Dr. Jacobi' [OA 157]	
00ZG01028	G	'Dr. M. Oosthoek'	
00ZG01655	G	'Dr. M. Oosthoek' [OA 153]	
00ZG01024	G	'Dr. Reichenbach'	
68RD00027	G	'Dr. Reichenbach'	
79RD00575	G	'Dr. Tjebbes'	
00ZG01535	G	'Dr. V.H. Rutgers' [OR 17]	
83RD00343	G	'Dr. V.H. Rutgers'	
70RD00156	G	drumonium Balf.f. & F.K. Ward	
75RD00080	G	dryophyllum Balf.f. & Forrest	
00ZG00157	G	x edgarianum Rehd. & Wils.	
00ZG01536	G	'Edward S. Rand' [OR 18]	
82RD00365	K	'Elihem'	
79RD00584	G	'Elizabeth'	
00ZG01537	G	'Elsie Straver' [OR 19]	
75RD00066	G	eritimum Balf.f. & W.W. Sm.	
00ZG03419	G	'Esmeralda'	
00ZG01615	G	'Exbury Oranje' [OA 110]	
00ZG01634	G	'Exbury White' [OA 130]	
64RD00393	G	fastigiatum Franch.	
00ZG01843	G	ferrugineum L.	
78RD00073	E	ferrugineum L. [W. Germany]	
86RD00023	E	ferrugineum L. [Switzerland]	
70RD00158	G	fimbriatum Hutch.	
00ZG01633	G	'Firecracker' [OA 128]	
00ZG01514	G	'Fireglow'	
00ZG01606	G	'Fireglow' [OA 101]	
75RD00084	I	floccigerum Franch.	
00ZG01648	G	'Floradora' [OA 146]	
73GR00497	I	formosum Wall.	
64RD00437	E	fortunei Lindl.	
71RD00153	G	fortunei Lindl.	
75RD00083	G	fortunei Lindl.	
69RD00066	G	fulvum Balf.f. & W.W. Sm.	
00ZG01538	G	'Furnivall's Daughter' [OR 20]	
00ZG01663	G	'Gallipoli' [OA 13]	
79RD00585	G	'Gartendirektor Glocker'	

Ericaceae

86RD00366	K	'Gartendirektor Rieger'
00ZG01539	G	'General Eisenhower' [OR 21]
00ZG01639	G	'George Reynolds' [OA 135]
00ZG01578	G	'Gibraltar' [OA 14]
00ZG01607	G	'Ginger' [OA 102]
70RD00159	G	glomerulatum Hutch.
00ZG01580	G	'Gold Dust' [OA 16]
00ZG01579	G	'Golden Dream' [OA 15]
91RD00953	K	'Golden Flare'
00ZG01581	G	'Golden Girl' [OA 17]
00ZG01582	G	'Golden Sunset' [OA 18]
00ZG01627	G	'Grandeur Triomphante' [OA 122]
75RD00077	I G	griffithianum Wight
75RD00090	I G V	haematodes Franch.
86RD00114	E	x halense Gremblich [Austria]
00ZG01515	G	'Harvest Moon'
00ZG01626	G	'Harvest Moon' [OA 121]
00ZG01540	G	'Hawk' [OR 22]
75RD00091	I G	hemitrichotum Balf.f. & Forrest
66RD00122	I G	hippophaeoides Balf.f. & W.W.Sm.
79RD00599	G	hippophaeoides Balf.f. & W.W.Sm.
79RD00600	G	hippophaeoides Balf.f. & W.W.Sm. 'Inshriach'
80RD00008	E	hirsutum L. [W.Germany]
84RD00077	E	hirsutum L. [Italy]
86RD00025	E	hirsutum L. [Switzerland]
00ZG01541	G	'Hollandia' [OR 23]
00ZG01612	G	'Honeysuckle' [OA 107]
75RD00081	G	hormophorum Balf.f. & Forrest
00ZG01583	G	'Hotspur' [OA 19]
00ZG01657	G	'Hotspur Orange' [OA 155]
00ZG01584	G	'Hugh Wormald' [OA 20]
00ZG01643	G	'Hugo Hardijzer' [OA 139]
87RD00372	K	'Hurricane'
88RD00137	K E	hyperythrum Hayata
64RD00402	G	impeditum Balf.f. & W.W.Sm.
66RD00120	I G	impeditum Balf.f. & W.W.Sm.
69RD00193	G	impeditum Balf.f. & W.W.Sm.
66RD00121	I G	intricatum Franch.
70RD00161	G	intricatum Franch.
00ZG01654	G	'Irene Koster' [OA 152]
00ZG01604	G	'J.Jennings' [OA 61]
81RD00406	G	'Jackwill'
00ZG01542	G	'Jan Dekens' [OR 24]
84RD00196	E	japonicum (A. Gray) Suring. ex Wils. [Japan]
00ZG01625	G	japonicum (A. Gray) Suring. ex Wils.. cv. [OA 120]
00ZG01632	G	japonicum (A. Gray) Suring. ex Wils.. cv. [OA 127]
64RD00411	G	japonicum (A. Gray) Suring. ex Wils.. cv.

Ericaceae

- 78RD01074 G japonicum (A.Gray) Suring. ex Wils.. cv.
 87RD00366 K 'Johnny Bender'
 79RD00586 G 'Juwel'
 82RD00366 K 'Juwel'
 75RD00075 G kaempferi Planch.
 79RD00587 G 'Karin'
 00ZG01585 G 'Katanga' [OA 21]
 00ZG01586 G 'Kathleen' [OA 22]
 84RD00084 G R. keiskei Miq.
 86RD00035 E R keiskei Miq. [Japan]
 70RD00162 G keleticum Balf.f. & Forrest
 79RD00601 G kiusianum Mak.
 66RD00012 I G kiusianum Mak. 'Hatsugiri'
 00ZG01587 G 'Klondyke' [OA 23]
 00ZG01543 G 'Kluis Sensation' [OR 25]
 00ZG01611 G 'Knighthood' [OA 106]
 86RD00375 K 'Koningin Emma'
 68RD00028 G 'Koningin Wilhelmina'
 00ZG01027 G 'Koster's Brilliant Red'
 00ZG01641 G 'Koster's Brilliant Red' [OA 137]
 67RD00092 E I kotschyi Simonk.
 83RD00142 E I kotschyi Simonk. [Carpathians]
 87BL00507 E I kotschyi Simonk. [Rumania]
 87RD00369 K 'Kubla Kahn'
 00ZG01814 G 'Laetevirens'
 1 of 16 accessions sharing this taxon are listed above
 84RD00399 E lagopus Nakai [Japan]
 86RD00263 K 'Lavendula'
 00ZG01545 G 'Lee's Dark Purple' [OR 27]
 68RD00025 G 'Lemonora'
 87RD00367 K 'Lem's Monarch'
 83RD00342 E lepidotum Wall. ex G.Don [SCHLL 27 Nepal]
 79RD00588 G 'Linda'
 82RD00368 K 'Linda'
 67RD00083 I G litangense Balf.f. ex Hutchins.
 69RD00039 G litiense Balf.f. & Forrest
 64RD00394 G lutescens Franch.
 74RD00217 G lutescens Franch.
 62RD00204 G luteum Sweet
 64RD00389 G luteum Sweet
 67RD00085 G luteum Sweet
 70RD00164 G lysolepis Hutchins.
 69RD00062 G macabeanum Watt ex Balf.f.
 84RD00090 G macabeanum Watt ex Balf.f.
 91RD01080 K macabeanum Watt ex Balf.f.
 67RD00095 G macrophyllum G. Don
 85RD00239 E macrophyllum G. Don [Oregon]

Ericaceae

82RD00197	U	macrosepalum Maxim.
91RD01411	K	'Madame Cornet'
00ZG01546	G	'Madame De Bruin' [OR 28]
68RD00030	G	'Malvatica'
00ZG01622	G	'Marina' [OA 117]
00ZG01547	G	'Marinus Koster' [OR 29]
00ZG01548	G	'Mars' [OR 30]
87RD00365	K	'Maxi'
78RD00679	E	maximum L. [Washington]
82RD00240	U	micranthum Turcz.
87RD00271	E	minus Michx. [South Carolina]
86RD00288	K	'Moerheim's Scarlet'
00ZG01549	G	'Mother of Pearl' [OR 31]
87RD00355	K	'Mrs. Furnival'
00ZG01550	G	'Mrs. Lindsay Smith' [OR 32]
87RD00360	K	'Mrs. Lindsay Smith'
00ZG01551	G	'Mrs. P. Den Ouden' [OR 33]
00ZG01652	G	'Mrs. Peter Koster' [OA 150]
67RD00094	G	mucronatum (Bl.) G.Don
87RD00370	K	mucronatum (Bl.) G.Don 'Album'
77RD00137	E	mucronulatum Turcz. [S.Korea]
81RD00142	E	mucronulatum Turcz. [S.Korea]
82RD00245	E	mucronulatum Turcz.
83RD00184	E	mucronulatum Turcz.
83RD00237	E	mucronulatum Turcz. [Primorsk Terr.]
83RD00048	E	mucronulatum Turcz. var. ciliatum Nakai [S.Korea]
83RD00260	E	mucronulatum Turcz. var. ciliatum Nakai [B.E.C. 0 S.Korea]
66RD00118	G	x myrtifolium Lodd.
00ZG01588	G	'New Yellow' [OA 24]
87RD00362	K	'Nicholas'
79RD00607	G	nivale J.D.Hook. subsp. boreale Philipson & Philipson
00ZG01552	G	'Nova Zembla' [OR 34]
81RD00409	G	'Nova Zembla'
91RD01555	G	'Obtusum'
87RD00368	K	'Olin O. Dobbs'
67RD00088	G	orbiculare Decne.
69RD00038	I G	oreodoxa Franch.
87RD00359	K	oreodoxa Franch.
70RD00166	G	orthocladum Balf.f. & Forrest
82RD00362	K	'Osmar'
91RD01408	K	'Osmar'
64RD00413	G	periclymenoides (Michx.) Shinners
82RD00297	E	periclymenoides (Michx.) Shinners [Maryland]
83RD00154	G	periclymenoides (Michx.) Shinners
78RD00680	S	periclymenoides (Michx.) Shinners f. glandiferum (Porter)

Ericaceae

00ZG00111	G	'Persil'
00ZG01516	G	'Persil'
00ZG01646	G	'Persil' [OA 143]
00ZG01553	G	'Peter Koster' [OR 35]
68RD00029	G	'Pink Beauty'
00ZG01589	G	'Pink Delight' [OA 25]
78RD01016	G	'Pink Drift'
79RD00589	G	'Pink Drift'
00ZG01554	G	'Pink Pearl'
83RD00346	G	'Pink Pearl'
00ZG01638	G	'Pink Ruffles' [OA 134]
79RD00590	G	'Pioneer'
86RD00264	K	'PJM'
69RD00042	G	planetum Balf.f.
67RD00076	G	polylepis Franch.
00ZG01631	G R	ponticum L. [OA 126]
67RD00179	E R	ponticum L.
00ZG00212	G	ponticum L. 'Imbricatum'
87RD00033	E	ponticum X Rh.sochadzeae [Turkey (Asia Minor)]
00ZG02313	G	x praecox Carr.
00ZG01628	G	'Praxitele' [OA 123]
00ZG01555	G	'President Hoover' [OR 37]
00ZG01556	G	'President Roosevelt' [OR 38]
82RD00286	E	prinophyllum (Small) Millais [Pennsylvania]
83RD00156	G	prinophyllum (Small) Millais
84RD00156	E	prinophyllum (Small) Millais [Pennsylvania]
85RD00199	E	prinophyllum (Small) Millais [Ohio]
00ZG01557	G	'Professor F.Bettex' [OR 39]
00ZG01558	G	'Professor Hugo De Vries' [OR 40]
00ZG01559	G	'Professor J.H.Zaayer' [OR 41]
00ZG01647	G	'Prominent' [OA 144]
79RD00592	G	'Ptarmigan'
00ZG01624	G	'Pucella' [OA 119]
79RD00593	G	'Puncta'
79RD00594	G	'Purple Pillow'
00ZG01560	G	'Purple Splendour' [OR 42]
83RD00174	I U	quinquefolium Bisset & S. Moore
85RD00267	G	quinquefolium Bisset & S. Moore
64RD00436	G	racemosum Franch.
66RD00125	I G	racemosum Franch.
82RD00064	E	racemosum Franch. [Yunnan]
00ZG01605	G	'Radiant' [OA 100]
86RD00368	K	'Red Carpet'
82RD00167	E	reticulatum D.Don ex G.Don [S.Asia Minor]
84RD00197	E	reticulatum D.Don ex G.Don [Japan]
84RD00279	G	reticulatum D.Don ex G.Don
00ZG01590	G	'Rocket' [OA 27]

Ericaceae

00ZG01561	G	'Roseum Elegans' [OR 43]
86RD00371	K	'Rot Haette'
00ZG01593	G	'Royal Lodge' [OA 30]
91RD01410	K	'Royal Lodge'
00ZG01562	G	rubiginosum Franch. [OR 44]
67RD00091	G	rubiginosum Franch.
87RD00377	K	rufum Batalin
67RD00071	G	rupicola W.W.Sm. var. chryseum (Balf.f. & F.K.Ward) Philipson & Philipson
79RD00603	G	russatum Balf.f. & Forrest
79RD00604	G	russatum Balf.f. & Forrest 'Sacko'
00ZG01649	G	'Salmon Glow' [OA 147]
67RD00082	I G	saluenense Franch.
87RD00363	K	'Sammetslut'
64RD00423	I G	sanguineum Franch.
79RD00576	G	'Sappho'
00ZG01518	G	'Satan'
00ZG01645	G	'Satan' [OA 142]
91RD01409	K	'Satan'
00ZG01609	G	'Saturnus' [OA 104]
00ZG01591	G	'Scarlet O'Hara' [OA 28]
00ZG01623	G	'Scarlet Pimpernel' [OA 118]
79RD00595	G	'Scarlet Wonder'
00ZG00929	G I	schlippenbachii Maxim.
00ZG01119	I G I	schlippenbachii Maxim.
83RD00219	E I	schlippenbachii Maxim. [S.Korea]
79RD00605	G	scintillans Balf.f. & W.W.Sm.
88RD00146	K	scintillans Balf.f. & W.W.Sm.
69RD00045	G	selense Franch.
84RD00394	E	semibarbatum Maxim. [Japan]
84RD00091	G	serotinum Hutchins.
00ZG01618	G	'Seville' [OA 113]
82RD00246	E I	sichotense Pojark.
67RD00115	G I	smirnowii Trautv.
00ZG01563	G	'Souvenir De Dr.S.Endtz' [OR 45]
67RD00077	G	spec.
81RD00013	S	spec. [Jiangxi]
81RD00017	E	spec. [Nepal]
81RD00019	E	spec. [Nepal]
84RD00355	G	spec.
86RD00029	E	spec. [GUIZ 121 S.C.China]
86RD00201	E	spec. [GUIZ 074 Guizhou]
86RD00202	E	spec. [GUIZ 148 Guizhou]
91RD01083	E	spec. [N 8316 Switzerland]
75RD00082	G	speciferum Franch.
00ZG01787	G	'Spek's Brilliant' [OA 160]
00ZG01786	G	'Spek's Orange' [OA 159]

Ericaceae

00ZG01653	G	'Spinoza' [OA 151]
79RD00596	G	'St. Tudy'
00ZG01592	G	'Strawberry Ice' [OA 29]
87RD00376	K	'Sugar Pink'
00ZG01594	G	'Sun Nectarine' [OA 32]
87RD00353	K	'Super Star'
76RD00150	I G	sutchuenense Franch.
00ZG01564	G	sutchuenense Franch. var. geraldii Hutchins. [OR 46]
88RD00140	K	taliense Franch.
00ZG01635	G	'Tangiers' [OA 131]
64RD00380	G	tapetiforme Balf.f. & F.K.Ward
00ZG01619	G	'Tessa' [OA 114]
68RD00026	G	'Thomas A. Edison'
79RD00606	G	thomsonii J.D.Hook. var. thomsonii
82RD00369	K	'Tibet'
86RD00379	K	'Tibet'
86RD00374	K	'Tornado'
82RD00361	K	'Tottenham'
70RD00170	G	trichostomum Franch. var. ledoides (Balf.f. & W.W.Sm.) Cowan & Davidian
00ZG01608	G	'Tunis' [OA 103]
00ZG01565	G	'Unknown Warrior' [OR 47]
00ZG01566	G	'Van Der Hoop' [OR 48]
77RD00330	I G	vaseyi A.Gray
85RD00296	E	vaseyi A.Gray [North Carolina]
78RD00077	G	vernicosum Franch.
64RD00404	G	viscosum (L.) Torr.
75RD00070	G	viscosum (L.) Torr.
00ZG01026	G	'Von Gneist'
64RD00428	G	wardii W.W.Sm.
91RD01081	K	wardii W.W.Sm.
00ZG01568	G	'Washington' [OR 50]
83RD00220	S	weyrichii Maxim. [S.Korea]
88RD00222	E	weyrichii Maxim. [S.Korea]
00ZG01569	G	'Wilgen's Ruby' [OR 51]
79RD00577	G	'Wilgen's Ruby'
86RD00367	K	'Willbrit'
79RD00608	G	williamsianum Rehd. & Wils.
88RD00141	K	wiltonii Hemsl. & Wils.
88RD00142	K	yakushmanum Nakai 'Esveld Select'
87RD00354	K	R. yakushmanum x Nakai 'Beefeater'
79RD00609	G	yakushmanum Nakai subsp. yakushmanum
91RD00952	K	yakushmanum Nakai subsp. yakushmanum
91RD01078	K	yakushmanum Nakai subsp. yakushmanum
79RD00602	I G	yedoense Maxim. ex Regel var. poukhanense (Lev.) Nakai.
84RD00300	E	yedoense Maxim. ex Regel var. poukhanense (Lev.) Nakai. [S.Korea]

Ericaceae

- 00ZG01620 G 'Yellow Hotspur' [OA 115]
 64RD00454 G yunnanense Franch.
 74RD00218 G yunnanense Franch.
 75RD00085 G yunnanense Franch.
- Rhodothamnus**
 64BL00135 G chamaecistus (L.) Rchb.
- Spherospermum**
 84GR00467 E buxifolium Poepp. & Endl. [Ecuador]
- Thibaudia**
 92GR00560 G floribunda H.B.K.
- Tripetaleia**
 84RD00130 G bracteata Maxim.
- Vaccinium**
 91RD01191 G angustifolium Ait. 'Nigrum'
 91RD01192 G arctostaphylos L.
 69RD00176 G caespitosum Michx.
 82RD00012 E caespitosum Michx. [Br. Columbia incl. Charlotte Isl.]
 76RD00152 I G corymbosum L.
 86RD00289 K corymbosum L.
 64RD00356 I G corymbosum L. f. caesariense (Mack.) Camp
 91RD01200 G cylindraceum Sm.
 91RD01197 G floribundum H.B.K.
 91RD01198 G glauco-album J.D. Hook. ex C.B. Clarke
 78RD00289 E hirtum Thunb. f. motosukeanum (Koidz.) Mizush. [Japan]
 88RD00223 E koreanum Nakai [S.Korea]
 69RD00177 G membranaceum Dougl.
 77RD00033 E membranaceum Dougl.
 91RD01201 G myrsinites Lam.
 79RD00053 E myrtilloides Michx. [Alberta]
 69RD00026 G myrtilus L.
 86RD00334 E myrtilus L. [France]
 91RD01194 G ovatum Pursh
 77RD00035 E parvifolium J.E.Sm. [Br. Columbia incl. Charlotte Isl.]
 86RD00522 G parvifolium J.E.Sm.
 78RD00505 E smallii A.Gray var. smallii [Sakhalin]
 89RD00013 E spec. [WOLB 88019 Nepal]
 78RD00163 E uliginosum L. [Finland]
 84RD00223 E uliginosum L. [Finland]
 86RD00156 E uliginosum L. [Finland]
 64RD00403 I G vitis-idaea L.
 78RD01100 G vitis-idaea L.
 91RD01203 G vitis-idaea L. 'Erntesegen'

Ericaceae

- 75RD00030 G vitis-idaea L. 'Koralle'
 91RD01204 G vitis-idaea L. 'Koralle'
 81RD00315 E vitis-idaea L. subsp. minus (Lodd.) Hulten [New Hampshire]

Zenobia

- 00ZG00205 I G pulverulenta (Bartr. ex Willd.) C.Pollard
 00ZG01146 I G pulverulenta (Bartr. ex Willd.) C.Pollard
 00ZG01147 I G pulverulenta (Bartr. ex Willd.) C.Pollard
 00ZG01148 I G pulverulenta (Bartr. ex Willd.) C.Pollard
 00ZG01149 I G pulverulenta (Bartr. ex Willd.) C.Pollard
 00ZG01150 I G pulverulenta (Bartr. ex Willd.) C.Pollard
 00ZG01151 I G pulverulenta (Bartr. ex Willd.) C.Pollard
 74RD00476 I G pulverulenta (Bartr. ex Willd.) C.Pollard

Erythroxylaceae**Erythroxylum**

- 68GR00714 I G coca Lam.

Eucryphiaceae**Eucryphia**

- 92GR00723 K x intermedia Bausch

Euphorbiaceae**Acalypha**

- 77GR00238 G hispida N.L. Burm.
 76GR00058 I G (wilkesiana-hybriden) 'Musaica'

Clutia

- 75GR00304 I G pulchella L.

Codiaeum

- 68GR00796 G variegatum (L.) A.Juss. var. pictum (Lodd.) Muell. Arg. cv.
 68GR00846 G variegatum (L.) A.Juss. var. pictum (Lodd.) Muell. Arg. cv.
 77GR00241 G variegatum (L.) A.Juss. var. pictum (Lodd.) Muell. Arg. cv.
 77GR00243 G variegatum (L.) A.Juss. var. pictum (Lodd.) Muell. Arg.
 'Dame Milane'
 77GR00242 G variegatum (L.) A.Juss. var. pictum (Lodd.) Muell. Arg.
 'Penninckii'
 77GR00239 G variegatum (L.) A.Juss. var. pictum (Lodd.) Muell. Arg.
 'Reidii'

Dalechampia

- 68GR00955 G spathulata (Scheidw.) Baill. var. spathulata

Euphorbiaceae

- Euphorbia**
- 73GR00258 I G aggregata Berger
 89BL00102 K amygdaloides L. 'Purpurea'
 71BL00376 I G R amygdaloides L. var. robbiae (Turrill) R. Sm.
 91GR01494 G aphylla Brouss. ex Willd.
 73GR00262 I G bubalina Boiss.
 73GR00278 I G canariensis L.
 73GR00260 I G echinus J.D. Hook. & Coss.
 91ZS01905 U epithymoides L.
 75ZS00124 I G esula L. subsp. esula
 73GR00264 I G fimbriata Scop.
 71BL00375 G griffithii J.D. Hook. 'Fireglow'
 76ZB00005 G griffithii J.D. Hook. 'Fireglow'
 91ZE00842 I E helioscopia L. [Belgium]
 91GR01141 G heterophylla L.
 73ZS00035 I G lathyris L.
 74GR00433 I G K leuconeura Boiss.
 73GR00263 I G mammillaris L.
 74GR00429 G milii Desmoul. var. hislopianus (N.E. Br.) Leandri
 91BL00855 G myrsinites L.
 71ZS00058 I G palustris L.
 91ZS01912 U palustris L.
 89BL00101 K polychroma Kerner
 91BL01349 K polychroma Kerner
 68GR01014 I E punicea Sw. [Jamaica]
 73GR00237 I G resinifera Berger
 85BL00220 U spec.
- Flueggea**
- 71RD00058 I G suffruticosa (Pall.) Baill.
 81RD00070 G suffruticosa (Pall.) Baill.
- Hevea**
- 73GR00472 G brasiliensis (Willd. ex A.Juss.) Muell. Arg.
- Hura**
- 76GR00241 G crepitans L.
- Jatropha**
- 90GR00708 I G multifida L.
- Manihot**
- 87GR00026 G esculenta Crantz
- Mercurialis**
- 82ZE02120 I E annua L. [W.Germany]
 91ZS00449 G perennis L.

Euphorbiaceae

- 91ZS00800 E perennis L. [Belgium]
 92ZS00299 E perennis L. [Poland]
- Pedilanthus**
 68GR01265 I G tithymaloides (L.) Poit.
 77GR00246 I G tithymaloides (L.) Poit. . 'Variegatus'
- Phyllanthus**
 68GR00279 I G angustifolius (Sw.) Sw.
 78GR00256 I G juglandifolius Willd.
 68GR00795 G rhomboidalis Muell. Arg.
- Ricinus**
 79ZE00348 G communis L.
 91ZE01618 G communis L.
 89ZE00022 U communis L. cv.

- Sapium**
 86GR00165 S G glandulosum (L.) Morong
 88GR00024 S E glandulosum (L.) Morong [RCK 88038 French Guiana]
 86GR00164 S G indicum Willd.
- Synadenium**
 76GR00055 G grantii J.D.Hook.

Eupomatiaceae

- 83GR00365 G **Eupomatia**
 bennettii F. Muell.

Eupteleaceae

- Euptelea**
 91RD00788 G pleiosperma J.D. Hook. & Thoms.
 62RD00926 I G polyandra Sieb. & Zucc.
 63RD00110 I G polyandra Sieb. & Zucc.
 91RD00897 K polyandra Sieb. & Zucc.

Fabaceae

- Abrus**
 87GR00053 G preicatorius L.
- Amicia**
 73GR00513 I G zygoteris DC.

Fabaceae

- Amorpha**
- 71RD00019 I G canescens Pursh
 62RD00008 I G croceolanata S. Wats.
 76RD00046 G croceolanata S. Wats.
 62RD00728 V G fruticosa L.
 64RD00049 I G fruticosa L.
 64RD00165 I G fruticosa L.
 73RD00001 I G fruticosa L.
 77RD00015 G glabra Poir.
 78RD00457 G glabra Poir.
 78RD00641 G glabra Poir.
 62RD00009 G herbacea Walt.
 65RD00210 I G nana Nutt.
 71RD00020 I G nana Nutt.
- Anthyllis**
- 87BL00366 E montana L. subsp. montana [France]
 88BL00298 E montana L. subsp. montana [France]
 91BL01800 I K vulneraria L. subsp. iberica (Becker) Jal.
 92ZS00134 E vulneraria L. subsp. vulneraria [W.Germany]
- Apios**
- 92ZS00709 G americana Medikus
- Astragalus**
- 87BL00305 E alpinus L. subsp. alpinus [Norway]
 90BL00044 E alpinus L. subsp. alpinus [Finland]
 71BL00183 G angustifolius Lam.
 72ZS00050 I G cicer L.
 67BL00277 G falcatus Lam.
 90BL00037 E frigidus [Finland]
 80ZS00009 I E glycyphyllos L. [France]
 87BL00509 G glycyphyllos L.
 91BL00868 E missouriensis Nutt. [Alberta]
 90BL00192 S onobrychis [Hungary]
 90BL00294 E onobrychis [Poland]
 87BL00533 E sempervirens Lam. subsp. nevadensis (Boiss.) Monts. [Spain]
- Baptisia**
- 75ZS00097 I G australis (L.) R.Br.
- Campylotropis**
- 88RD00190 G macrocarpa (Bunge) Rehd.
- Caragana**
- 72RD00218 I G arborescens Lam.
 79RD00465 G arborescens Lam.

Fabaceae

- 80RD00155 G arborescens Lam.
 80RD00159 E arborescens Lam. [Poland]
 86RD00350 K arborescens Lam. 'Pendula'
 86RD00353 K arborescens Lam. 'Walker'
 62RD00718 G aurantiaca Koehne
 61RD00644 G decorticans Hemsl.
 77RD00340 G decorticans Hemsl.
 71RD00017 G frutex (L.) K.Koch
 79RD00466 G maximowicziana Kom.
 64RD00292 G sinica (Buc'hoz) Rehd.
 79RD00467 G sinica (Buc'hoz) Rehd.
- Carmichaelia**
 91BL00613 G enysii Kirk
- Chamaecytisus**
 91RD01246 K demissus
 87BL00470 E hirsutus (L.) Link [Hungary]
 88RD00201 G hirsutus (L.) Link
 90RD00017 G hirsutus (L.) Link
 65RD00217 I G purpureus (Scop.) Link
 80RD00242 G purpureus (Scop.) Link
 60RD00210 G supinus (L.) Link
 84RD00451 G supinus (L.) Link
- Chamaespartium**
 79RD00496 G sagittale (L.) P.Gibbs subsp. sagittale
 91BL00572 E sagittale (L.) P.Gibbs subsp. sagittale [Switzerland]
- Cladrastis**
 00ZG01015 I G lutea (Michx.f.) K. Koch
 74RD00346 I G lutea (Michx.f.) K. Koch
 77RD00291 G lutea (Michx.f.) K. Koch
- Colutea**
 64RD00010 I G arborescens L. subsp. arborescens
 64RD00333 I G x media Willd.
- Coronilla**
 72BL00075 I G emerus L. subsp. emerus
 79RD00479 G emerus L. subsp. emerus
 82BL00144 I G orientalis Mill. var. orientalis
 70BL00170 G varia L.
 91ZS00223 E varia L. [Austria]
 91ZS00460 E varia L. [E.Germany]

Fabaceae

		Cytisus	
86RD00381	I K	(scoparius-hybr.) 'Roter Favorit'	
79RD00488	G	x beanii Nichols.	
91RD01174	G	cv.	
91RD01175	G	cv.	
66BL00066	I S R	emeriflorus Rchb. [<u>Alps</u>]	
00ZG00146	G	x praecox Bean	
78RD00746	G	x praecox Bean 'Allgold'	
70RD00134	G	purgans (L.) Boiss.	
80RD00195	E	scoparius (L.) Link [<u>Poland</u>]	
80RD00212	E	scoparius (L.) Link [<u>W.Germany</u>]	
00ZG02281	I G	scoparius (L.) Link 'Andreanus'	
		Derris	
73GR00480	G	elliptica (Sweet) Benth.	
		Desmodium	
75ZS00109	I G	canadense (L.) DC.	
		Erinacea	
92BL00864	K	anthyllis Link	
		Erythrina	
75GR00280	I G	crista-galli L.	
91GR01865	G	crista-galli L.	
83GR00133	E	spec. [CLEEF <u>Colombia</u>]	
		Genista	
79RD00493	G	anglica L.	
79RD00494	G	pilosa L.	
84RD00433	E	pilosa L. [<u>France</u>]	
66RD00008	I G	radiata (L.) Scop.	
63RD00092	G	sericea Wulf.	
84BL00525	G	spec.	
90BL01084	K	subcapitata Panc.	
92BL00817	G	subcapitata Panc.	
79RD00497	G	tinctoria L. 'Golden Plate'	
79RD00499	G	tinctoria L. 'Lemon Spreader'	
77RD00011	G	tinctoria L. var. ovata (Waldst. & Kit.) F.W.Schultz	
79RD00498	G	tinctoria L. 'Royal Gold'	
73RD00035	I G	tinctoria L. var. tinctoria	
		Glycine	
80ZE02139	I G	max (L.) Merr.	
		Glycyrrhiza	
92ZS00332	G	glabra L.	

Fabaceae

- 92ZS00363 G *glabra* L.
- Halimodendron**
- 71RD00015 I G *halodendron* (Pall.) Voss
- 79RD00501 G *halodendron* (Pall.) Voss
- Hedysarum**
- 71RD00018 I G *multijugum* Maxim.
- Hippocrepis**
- 91BL00416 E *comosa* L. [France]
- 91ZS01452 E *comosa* L. [Switzerland]
- 91BL00561 E *emerus* (L.) Lassen [France]
- Holocalyx**
- 66GR01742 I E *glaziovii* Taub. [JCL 557 Brazil]
- Indigofera**
- 71RD00016 I G *heterantha* Wall. ex Brandis
- + Laburnocytisus**
- 86RD00331 K *adamii* (P.A. Poit.) Schneid.
- 91RD00902 K *adamii* (P.A. Poit.) Schneid.

LABURNUM

Introduction

Laburnum has two species, *L. alpinum* and *L. anagyroides*. Cultivation is dominated by the hybrid *L. x watereri* and especially its cultivar *L. x watereri* 'Vossii'.

The characteristics of the parent species have been combined in such a way that the hybrid in cultivation has almost completely replaced the individual species. Because of this, the latter are very little-known, especially *L. alpinum*. This species has a number of attractive characteristics for cultivation: the flowers are fragrant and the flowering time is relatively late and long. *L. anagyroides* flowers earlier, whereas the flowering time of the hybrid overlaps those of the parents. The seedling phase lasts fairly long (8-10 years). Selection of specimens during the seedling phase has been carried out. The first specimens of the new introductions are now reaching the flowering age.

Aims

Fabaceae

Introduction of the species from their natural habitats, especially *L. alpinum*. Selection of long and late flowering types.

Programme

- 1 Additions to the current collection of wild source material, and vegetative reproduction for further testing.
- 2 Testing of specimens which are now coming into flower.

Location

The Von Gimborn Arboretum.

Publications

Bom et al. 1980b (section VIII, pp. 93-94).

Laburnum

80RD00185	E	alpinum (Mill.) Bercht. & J.S. Presl	[Switzerland]
81RD00110	E	alpinum (Mill.) Bercht. & J.S. Presl	[Switzerland]
82RD00066	E	alpinum (Mill.) Bercht. & J.S. Presl	
82RD00094	E	alpinum (Mill.) Bercht. & J.S. Presl	[Switzerland]
83RD00082	E	alpinum (Mill.) Bercht. & J.S. Presl	[Switzerland]
83RD00157	E	alpinum (Mill.) Bercht. & J.S. Presl	[Switzerland]
84RD00040	E	alpinum (Mill.) Bercht. & J.S. Presl	[France]
84RD00313	E	alpinum (Mill.) Bercht. & J.S. Presl	[Italy]
85RD00075	E	alpinum (Mill.) Bercht. & J.S. Presl	[Switzerland]
86RD00021	E	alpinum (Mill.) Bercht. & J.S. Presl	[France]

10 of 26 accessions sharing this taxon are listed above

81RD00028	G	alpinum (Mill.) Bercht. & J.S. Presl f. macrostachys (Endl.) Koehne	
81RD00400	G	alpinum (Mill.) Bercht. & J.S. Presl f. macrostachys (Endl.) Koehne	
85RD00124	G	alpinum (Mill.) Bercht. & J.S. Presl f. macrostachys (Endl.) Koehne	
86RD00272	G	alpinum (Mill.) Bercht. & J.S. Presl f. macrostachys (Endl.) Koehne	
00ZG00870	G	alpinum (Mill.) Bercht. & J.S. Presl 'Pendulum'	
79RD00021	S	anagyroides Medik.	[Switzerland]
81RD00267	E	anagyroides Medik.	[Italy]
82RD00096	E	anagyroides Medik.	[Italy]
83RD00284	E	anagyroides Medik.	[Italy]

4 of 14 accessions sharing this taxon are listed above

86RD00273	G	anagyroides Medik. 'Quercifolium'	
00ZG02327	G	spec.	
80RD00596	G	spec.	
00ZG00981	G	x watereri (Kirchner) Dipp.	
80RD00593	G	x watereri (Kirchner) Dipp.	

Fabaceae

- 70RD00095 G x watereri (Kirchner) Dipp. 'Vossii'
 79RD00205 G x watereri (Kirchner) Dipp. 'Vossii'
 79RD00362 G x watereri (Kirchner) Dipp. 'Vossii'
 80RD00592 G x watereri (Kirchner) Dipp. 'Vossii'

Lathyrus

- 88ZE02186 I E angulatus L. [Portugal]
 92ZE00316 G aphaca L.
 92ZE00458 E aphaca L. [France]
 72ZE02110 I S clymenum L.
 75ZS00099 I G latifolius L.
 92ZS00293 E latifolius L. [E.Germany]
 92ZS00405 E latifolius L. [E.Germany]
 86ZS00005 E linifolius (Reichard) Bässler [Denmark]
 87ZS00039 E niger (L.) Bernh. [Tauris Crimea]
 91ZS01660 G niger (L.) Bernh.
 87ZE01464 G nissolia L.
 71ZS00002 I G occidentalis (Fisch. & Mey.) Fritsch subsp. occidentalis
 71ZE00834 I S odoratus L. [Sicily]
 88ZS00002 I E pratensis L. [Belgium]
 91ZS01661 G pratensis L.
 74BL00116 I G roseus Stev.
 57ZE00942 I G sativus L. var. sativus
 65BL00180 I G sylvestris L.
 87ZS00040 I E tuberosus L. [Tauris Crimea]
 66BL00008 I G vernus (L.) Bernh. f. gracilis (Gaud.) Aschers. & Graebn.
 65BL00224 I G vernus (L.) Bernh. subsp. vernus
 66BL00085 I G vernus (L.) Bernh. subsp. vernus

Lespedeza

- 88RD00015 G bicolor Turcz.
 88RD00192 G bicolor Turcz.
 90RD00006 G bicolor Turcz.
 90RD00018 G bicolor Turcz.
 90RD00833 G thunbergii (DC.) Nakai
 91RD01213 K thunbergii (DC.) Nakai

Lotus

- 91ZS01735 U corniculatus L. subsp. coniculatus

Lupinus

- 91ZE00759 I E angustifolius L. [Portugal]
 89ZS00011 I S polyphyllus Lindl. [Poland]

Medicago

- 75ZS00005 I G sativa L. subsp. sativa
 92ZS00336 E sativa L. subsp. sativa [Belgium]

Fabaceae

- Melilotus**
 79ZE00351 E alba Medik. [France]
 79ZE00339 G officinalis (L.) Pallas
 91ZE01662 G officinalis (L.) Pallas
- Onobrychis**
 87BL00445 E arenaria (Kit.) DC. subsp. arenaria [France]
 87BL00491 E arenaria (Kit.) DC. subsp. arenaria [Poland]
 87BL00688 E arenaria (Kit.) DC. subsp. sibirica (Turoz. ex Bess.)
 P.W.Ball [Altai]
- Ononis**
 91BL01119 E natrix L. [Switzerland]
 91BL01118 S natrix L. subsp. inaequalifolia Bertol. [Italy]
 69BL00507 I E repens L. subsp. spinosa Greuter [CYT 1406 The Netherlands]
 91ZS00472 I E repens L. subsp. spinosa Greuter [E.Germany]
- Ormosia**
 88GR00231 E R coarctata Jacks. [MAAS 7658 Guyana]
- Ornithopus**
 91ZE00682 I E perpusillus L. [W.Germany]
 79ZE00331 I G sativus Brot. subsp. sativus
- Oxytropis**
 86BL00346 E campestris (L.) DC. [Switzerland]
 83BL00343 E pilosa (L.) DC. [Italy]
 91BL00242 E tragocanthoides [Mongolia]
 91BL00869 S viscida Nutt.
 91BL00870 E viscida Nutt. [Alberta]
- Peltogyne**
 91GR01163 E venosa (Vahl) Benth. [Guyana]
- Phaseolus**
 84ZE02511 K coccineus L. cv.(Red)
 84ZE02512 K coccineus L. cv.(Red)
- Psoralea**
 75ZS00008 I G onobrychis Nutt.
- Pterogyne**
 68GR01074 G R nitens Tul.
- Rhynchosia**
 91GR00589 E minima [Ecuador]

Fabaceae

78GR00257 I G

pyramidalis (Lam.) Urb.

Robinia

74RD00367 G

ambigua Poir. 'Decaisneana'

79RD00391 G

ambigua Poir. 'Decaisneana'

79RD00544 G

'Casque Rouge'

79RD00385 G

elliottii (Chapm.) Ashe

79RD00403 G

elliottii (Chapm.) Ashe

00ZG01740 G

x hillieri Hort.

74RD00377 G

x holdtii Beissn.

74RD00332 G

neomexicana A. Gray var. luxurians Dieck

79RD00330 G

pseudoacacia L. 'Appalachia'

00ZG00933 G

pseudoacacia L. 'Frisia'

79RD00404 G

pseudoacacia L. 'Frisia'

79RD00405 G

pseudoacacia L. 'Pyramidalis'

00ZG01380 G

pseudoacacia L. 'Sandraudiga'

79RD00373 G

pseudoacacia L. 'Tortuosa'

79RD00408 G

pseudoacacia L. 'Tortuosa'

00ZG01741 G

viscosa Vent.

Sophora

78RD00640 E

flavescens Ait. [Amoer Distr.]

61RD01389 G

japonica L.

79RD00410 G

japonica L.

88RD00277 K

japonica L. 'Pendula'

73GR00550 I E

tetraptera J. Mill. [New Zealand, North Isl.]**Spartium**

84BL00523 G

junceum L.

Swartzia

91GR00672 E

oblonga Benth. [MJJ 2443 Guyana]**Tetragonolobus**

84BL00386 E

maritimus (L.) Roth [Hungary]

56ZE02112 I G

purpureus Moench

Thermopsis

75ZS00108 G

macrophylla W.J.Hook. & Arn.

Trifolium

83BL00234 E

alpinum L. [France]

83BL00251 E

alpinum L. [Switzerland]

81BL00108 E

badium Schreb. [Switzerland]

91ZS00819 I E

fragiferum L. [E.Germany]

92ZS00434 G

hybridum L.

73ZE00883 I G

incarnatum L.

- 81BL00009 I E montanum L. [France]
 81BL00057 E pallescens Schreb. [Switzerland]
 66BL00016 I G rubens L.
 82BL00180 E V saxatile All. [Switzerland]

- Trigonella**
 92ZE00317 G foenum-graecum L.

- Ulex**
 91RD00931 K europaeus L.

- Vicia**
 88ZS00043 I E cracca L. [E.Germany]
 87ZE01463 S sativa L. subsp. sativa [E.Germany]
 88ZE02158 E sativa L. subsp. sativa [Spain]

- Wisteria**
 69RD00126 I G floribunda (Willd.) DC.
 82RD00083 E floribunda (Willd.) DC. [Honshu]
 91RD00954 K floribunda (Willd.) DC.
 63RD00392 I G floribunda (Willd.) DC. 'Alba'
 91RD00956 K floribunda (Willd.) DC. 'Alba'
 00ZG01796 G floribunda (Willd.) DC. 'Issai'
 91RD00957 K floribunda (Willd.) DC. 'Rosea'
 91RD00955 K floribunda (Willd.) DC. 'Violacea Plena'
 63RD00413 I G sinensis (Sims) Sweet
 84RD00321 G sinensis (Sims) Sweet
 91RD00962 K sinensis (Sims) Sweet

Fagaceae

- Castanea**
 00ZG00956 G sativa Mill.
 00ZG00976 G sativa Mill.
 65RD00014 I G sativa Mill.
 91RD00890 K sativa Mill.
 00ZG00208 I G sativa Mill. 'Argenteovariegata'
 85RD00306 K sativa Mill. 'Glabra'

- Fagus**
 86RD00321 K crenata Bl.
 00ZG00900 G engleriana Seemen
 00ZG00930 I G engleriana Seemen
 70RD00091 G grandifolia Ehrh. var. caroliniana (Loud.) Fern. & Rehd.
 71RD00093 I G R japonica Maxim.
 92RD00724 K lucida Rehd. & Wils.
 00ZG00142 I G orientalis Lipsky
 76RD00186 I G orientalis Lipsky
 72RD00170 I G sylvatica L.

Fagaceae

91RD01557	G	sylvatica L.	
91RD01586	G	sylvatica L.	
00ZG03418	G	sylvatica L. 'Asplenifolia'	
00ZG00138	I G	sylvatica L. 'Bornyensis'	
00ZG01099	G	sylvatica L. 'Dawyck'	
85RD00358	K	sylvatica L. 'Dawyck Gold'	
61RD00327	G	sylvatica L. 'Pendula'	
61RD00317	I G	sylvatica L. 'Purpurea'	
91RD01414	K	sylvatica L. 'Riversii'	
85RD00373	K	sylvatica L. 'Rohan Obelisk'	
00ZG00113	G	sylvatica L. 'Rohanii'	
73RD00018	G	sylvatica L. 'Rohanii'	
00ZG01097	G	sylvatica L. 'Zlatia'	

Nothofagus

00ZG00069	G	antarctica (G. Forst.) Oerst.	
00ZG00952	G	antarctica (G. Forst.) Oerst.	
00ZG02036	I G	antarctica (G. Forst.) Oerst.	
64RD00311	I G	antarctica (G. Forst.) Oerst.	
79RD00363	G	antarctica (G. Forst.) Oerst.	
90RD00237	K	antarctica (G. Forst.) Oerst.	

Quercus

80RD00224	G	acutissima Carruth.	
80RD00546	E	acutissima Carruth. [A 38 Kentucky]	
90RD00214	E	acutissima Carruth. [S.Korea]	
80GR00103	E	alnifolia Poech [Cyprus]	
84RD00149	E	arkansana Sarg. [Louisiana]	
00ZG00938	I G	bicolor Willd.	
00ZG00943	I G	bicolor Willd.	
65RD00012	I G I	castaneifolia C.A. Mey.	
00ZG00993	G	cerris L.	
65RD00013	I G	cerris L.	
00ZG01274	G	cerris L., cv.	
78RD00703	S	chrysolepis Liebm.	
00ZG00893	G	coccinea Muenchh.	
81RD00333	E	coccinea Muenchh. [New York, incl. Long Island]	
00ZG00914	I G I	dentata Thunb.	
81RD00232	E	ellipsoidalis E.J.Hill [Winsconsin]	
85RD00061	E	ellipsoidalis E.J.Hill [Canada]	
85RD00062	E	ellipsoidalis E.J.Hill [Canada]	
61RD00866	E	falcata Michx. var. falcata [Canada]	
84RD00151	E	falcata Michx. var. pagodifolia Elliott [Louisiana]	
64RD00286	G	frainetto Ten.	
80RD00346	E	frainetto Ten. [Rumania]	
00ZG00941	G	glandulifera Bl.	
00ZG01269	G	x hickelii Camus	

Fagaceae

73GR00532	I G	x hispanica Lam.
00ZG01271	G	ilicifolia Wangenh.
00ZG01011	G	imbricaria Michx.
71RD00119	G	imbricaria Michx.
78RD00714	G	imbricaria Michx.
78RD00705	G	infectoria Olivier
00ZG00937	G	libani Olivier
80RD00325	E	libani Olivier [<u>Iran</u>]
83RD00101	E	lyrata Walt. [<u>Louisiana</u>]
00ZG00921	G	macranthera Fisch. & Mey. ex Hohen.
00ZG02307	G	macranthera Fisch. & Mey. ex Hohen.
64RD00287	I G	macranthera Fisch. & Mey. ex Hohen.
65RD00228	I G	macranthera Fisch. & Mey. ex Hohen.
00ZG00939	G	macrocarpa Michx.
81RD00195	E	macrocarpa Michx. [<u>Quebec</u>]
83RD00057	E	macrocarpa Michx. [<u>Quebec</u>]
86RD00086	E	marilandica Muenchh. [<u>Louisiana</u>]
78RD00144	G	mongolica Fisch. ex Ledeb. var. grosseserrata (Bl.) Rehd. & Wils.
78RD00237	E	mongolica Fisch. ex Ledeb. var. grosseserrata (Bl.) Rehd. & Wils. [<u>Japan</u>]
84RD00435	E	mongolica Fisch. ex Ledeb. var. mongolica [B.E.C. 149 <u>S.Korea</u>]
82RD00022	E	muehlenbergii Engelm. [<u>Ontario</u>]
84RD00393	E	muehlenbergii Engelm. [<u>Ontario</u>]
00ZG00145	G	palustris Muenchh.
00ZG01674	G	palustris Muenchh.
61RD00328	G	palustris Muenchh.
78RD01088	I G	palustris Muenchh.
00ZG00946	G	palustris Muenchh. 'Pendula'
00ZG00141	G	palustris Muenchh. 'Umbraculifera'
79RD00327	G	petraea (Mattuschka) Liebl.
00ZG01273	G	petraea (Mattuschka) Liebl. 'Cochleata'
00ZG00936	G	petraea (Mattuschka) Liebl. 'Columna'
00ZG00940	G	petraea (Mattuschka) Liebl. 'Mespilifolia'
60RD00638	G	petraea (Mattuschka) Liebl. 'Purpurea'
00ZG01270	I G	phellos L.
78RD00707	G	phillyreoides A.Gray
00ZG00091	I G I	pontica K. Koch
90RD00212	E I	pontica K. Koch [<u>Turkey (Asia Minor)</u>]
85RD00341	E	prinus L. [<u>Ohio</u>]
61RD00983	I G	pyrenaica Willd.
72RD00268	I G	robur L.
00ZG01281	G	robur L. 'Cristata'
00ZG02178	G	robur L. 'Fastigiata'
00ZG02179	G	robur L. 'Fastigiata'
00ZG02180	G	robur L. 'Fastigiata'

Fagaceae

00ZG02181	G	robur L. 'Fastigiata'
00ZG02183	G	robur L. 'Fastigiata'
00ZG02184	G	robur L. 'Fastigiata'
00ZG02185	G	robur L. 'Fastigiata'
00ZG01272	G	robur L. 'Salicifolia'
61RD00315	G	rubra L.
61RD00986	G	rubra L.
77RD00111	E	rubra L. [<u>Pennsylvania</u>]
81RD00198	E	rubra L.
81RD00234	E I	shumardii Buckl.
80RD00547	E	spec. [A 36 <u>Kentucky</u>]
84RD00450	G	spec.
89GR00105	G	suber L.
90RD00213	E	trojana Webb. [<u>Turkey (Asia Minor)</u>]
00ZG00959	G	x turneri Willd. 'Pseudoturneri'
00ZG01267	G	variabilis Bl.
00ZG00092	I G	velutina Lam.

Flacourtiaceae

Azara		
90GR00218	K	dentata Ruiz & Pav.
Banara		
67GR00184	I E	tomentosa Clos [<u>JCL 4276 Brazil</u>]
Idesia		
78RD00656	G	polycarpa Maxim.
90RD00233	K	polycarpa Maxim. var. vestita Diels

Xylosma

72GR00340	R E	intermedium (Seem.) Triana & Planch. [<u>P 13193 Acre</u>]
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Fumariaceae

Ceratocarpus		
91ZE01604	G	claviculata (L.) Lidén
Corydalis		
83BL00348	E	ambigua Pallas ex Cham. & Schlechtend. [<u>Hokkaido</u>]
87BL00117	E	capnoides (L.) Pers. [<u>Italy</u>]
91BL01346	K E	cashmeriana Royle
69BL00335	I G	cheilanthifolia Hemsl.
87BL00294	G	edulis Maxim.
83BL00259	G	nobilis (L.) Pers.
83BL00332	G	nobilis (L.) Pers.
81BL00226	I U	ochotensis Turcz. var. ochotensis

Fumariaceae

- 71BL00193 I G ochroleuca W.D.J.Koch
 67BL00199 G ophiocarpa J.D.Hook. & Thoms.
 54ZE02436 I G sempervirens (L.) Pers.
 86BL00264 G sempervirens (L.) Pers.
 69BL00442 I G R solida (L.) Clairv.
 77BL00355 I G R solida (L.) Clairv.
 78BL00043 I E R solida (L.) Clairv. [France]
 77BL00026 G solida (L.) Clairv. var. speciosa-transsilvanica
 87BL00436 G tomentella Franch.
 90BL00071 G tomentella Franch.
 87BL00017 G wilsonii N.E.Br.

Fumaria

- 88ZE02179 I E capreolata L. [France]
 75BL00207 I G officinalis L.
 88ZE02180 I E officinalis L. [Belgium]

Pseudofumaria

- 71BL00192 I G lutea (L.) Borckh.

Garryaceae

Garrya

- 69GR00201 I E veatchii Kellogg [California]

Gentianaceae

Blackstonia

- 92ZE00576 E perfoliata (L.) Hudson subsp. perfoliata [F 786B5 Portugal]

Centaurium

- 92BL00745 I G R chloodes (Brot.) Sampaio
 57ZE00818 I E erythraea Rafn subsp. erythraea [Czechoslovakia]
 92ZE00585 S E littorale (D. Turner) Gilmour subsp. littorale [F The Netherlands]
 92ZE00587 S E littorale (D. Turner) Gilmour subsp. littorale [F 749V16 The Netherlands]
 92ZE00578 S E pulchellum (Sw.) Druce [F 749P8 Noord-Holland]
 92ZE00580 S E spicatum (L.) Fritsch [F 767S3/4 Portugal]

Cicendia

- 77BL00012 E filiformis (L.) Delarbre [W.Germany]

Gentiana

- 65BL00553 G acaulis L.
 79BL00055 I N acaulis L. [Yugoslavia]
 85BL00110 E acaulis L. [Austria]

Gentianaceae

- 91BL01801 K acaulis L.
- 83BL00287 I E affinis Griseb. [Oregon]
- 64BL00285 G alba Muehlenb.
- 87BL00195 E andrewsii Griseb. [Canada]
- 90BL00829 S angustifolia Vill. [Switzerland]
- 65BL00002 I G asclepiadea L.
- 85BL00108 E asclepiadea L. [Austria]
- 83BL00153 E bavarica L. var. subacaulis Schleich. [Switzerland]
- 81BL00180 E brachyphylla Vill. subsp. favratii (Rittener) Tutin [Bulgaria]
- 90BL00838 G E cachemirica
- 91BL01134 S calycosa Griseb. [Colorado]
- 84BL00196 G clausa Raf.
- 85BL00125 S clausa Raf. [Ohio]
- 88BL00122 E clusii Perr. & Song. [Alps]
- 88BL00124 E clusii Perr. & Song. [Switzerland]
- 88BL00319 E clusii Perr. & Song. [Czechoslovakia]
- 89BL00064 E clusii Perr. & Song. [Austria]
- 87BL00250 G crassicaulis Duthie ex Burk.
- 68BL00059 I G cruciata L. subsp. cruciata
- 90BL00505 E cruciata L. subsp. cruciata [Caucasus]
- 90BL00519 E cruciata L. subsp. cruciata [Austria]
- 90BL00625 S R cruciata L. subsp. phlogifolia (Schott & Kotschy) Tutin [Rumania]
- 87BL00229 G dendrologi Marq.
- 87BL00268 G dendrologi Marq.
- 90BL00197 G depressa
- 86BL00375 G freyniana Bornm. ex Freyn
- 88BL00253 G freyniana Bornm. ex Freyn
- 88BL00370 G freyniana Bornm. ex Freyn
- 89BL00059 G freyniana Bornm. ex Freyn
- 85BL00070 G frigida Haenke
- 88BL00121 E froelichii Jan ex Reichb. [Alps]
- 87BL00269 G gelida M.B.
- 78BL00286 G grombaczewskii Kusn.
- 84BL00425 E V ligustica R. Vilm. & Chop. [Italy]
- 72BL00267 G lutea L. subsp. lutea
- 84BL00516 I E lutea L. subsp. lutea [France]
- 84BL00557 E lutea L. subsp. lutea [N 8410 France]
- 89BL00138 U lutea L. subsp. lutea
- 90BL01222 U lutea L. subsp. lutea
- 89BL00070 E macrophylla Pall. [Mongolia]
- 84BL00544 G makino Kusn.
- 88BL00254 G ornata Wall. ex Griseb.
- 86BL00023 E pannonica Scop. [W. Germany]
- 82BL00181 E pneumonanthe L. [France]
- 82BL00295 E pneumonanthe L. [Tomsk Distr.]

Gentianaceae

- 85BL00095 E porphyrio Gmel. [New Jersey]
 91BL00273 E punctata L. [Switzerland]
 87BL00270 G pyrenaica L.
 82BL00094 G robusta King ex W.J.Hook.
 84BL00132 G rockhillii Hemsl.
 86BL00051 E scabra Bunge var. buergeri (Miq.) Maxim. [Japan]
 87BL00197 E septemfida Pall. [Iran]
 88BL00155 S septemfida Pall. [Iran]
 66BL00179 I G septemfida Pall.. cv.
 86BL00303 G sikokiana Maxim.
 84BL00033 I G siphonantha Maxim. ex Kusn.
 82BL00112 G spec.
 84BL00194 G spec.
 84BL00441 G spec.
 90BL00757 E spec. [SICH 107 Sichuan]
 90BL00760 E spec. [SICH 122 Sichuan]
 90BL00813 E spec. [SICH 350 Sichuan]
 84BL00133 I G tianschanica Rupr.
 84BL00449 G tianschanica Rupr.
 85BL00071 G tianschanica Rupr.
 79BL00153 I G tibetica King ex J.D.Hook.
 83BL00329 G tibetica King ex J.D.Hook.
 84BL00129 I G tibetica King ex J.D.Hook.
 82BL00264 U triflora Pall. var. japonica (Kusn.) Hara
 84BL00550 G verna L. subsp. tergestina (G.Beck) Hayek
 85BL00235 I G verna L. subsp. tergestina (G.Beck) Hayek

Gentianella

- 90BL00043 E amarella [Finland]
 92ZE00447 E campestris (L.) Börner [Italy]
 92ZE00534 E campestris (L.) Börner [Switzerland]
 92ZE00535 E germanica (Willd.) Börner [Switzerland]

Orphium

- 91GR01503 G frutescens (L.) E.H. Meyer

Swertia

- 67BL00084 E kingii J.D.Hook.
 87BL00524 E lactea Bunge [Tadzhikistan]
 91BL01540 E perennis L. [Switzerland]
 86BL00413 K perennis L. var. cuspidata Maxim.
 64BL00228 I G perfoliata Royle ex G. Don

Geraniaceae

Geraniaceae

Erodium

- 61ZE00881 I G cicutarium (L.) L'Herit. ex Ait. subsp. cicutarium
 91ZE01592 G cicutarium (L.) L'Herit. ex Ait. subsp. cicutarium
 91BL00274 S manescavi Coss. [Pyrenees]
 85BL00053 G petraeum (Gouan) Willd. subsp. glandulosum (Cav.) Bonnier
 90BL00520 G stephanium

Geranium

- 89BL00126 K x cantabrigiense Yeo 'Biokovo'
 66BL00328 G cinereum Cav. 'Ballerina'
 65BL00148 I G dalmaticum (Beck) K.H.Rech.
 85BL00176 G dalmaticum K.H.Rech. 'Album'
 91ZE00464 I E dissectum L. [E.Germany]
 91ZE01653 G dissectum L.
 79BL00315 G farreri Stapf
 81BL00112 I E lucidum L. [France]
 80ZB00003 G macrorrhizum L. 'Album'
 66BL00071 G macrorrhizum L. 'Walter Ingwersen'
 77BL00383 I G macrostylum Boiss.
 75ZS00126 I G maculatum L.
 72GR00008 I E E maderense Yeo [CYT 1261 Madeira]
 89BL00120 K 'Max Frei'
 85BL00172 G meeboldii Briq.
 85BL00175 G meeboldii Briq. 'Birch Double'
 91ZE01655 G molle L.
 83ZS00038 I U nodosum L.
 85BL00052 E nodosum L. [Switzerland]
 87BL00221 S nodosum L.
 75ZS00125 I G palustre L.
 73ZS00051 I G phaeum L.
 91ZS01752 U phaeum L.
 69BL00205 I G platypetalum Fisch. & Mey.
 66BL00100 I G pratense L.
 90ZS00835 E pratense L. [E.Germany]
 92ZS00289 E pratense L. [E.Germany]
 86BL00393 N procurrens Yeo [SCHLL 2149 Nepal]
 69BL00341 G pylzowianum Maxim.
 77BL00196 I E pyrenaicum Burm.f. [Pyrenees]
 91ZS00655 I G pyrenaicum Burm.f.
 92ZS00313 S pyrenaicum Burm.f. [W.Germany]
 92ZS00407 E pyrenaicum Burm.f. [E.Germany]
 80ZB00020 G rectum Trautv. 'Album'
 88BL00075 G renardii Trautv.
 88BL00348 G renardii Trautv.
 89BL00047 G renardii Trautv.
 88BL00076 G richardsonii Fisch. & Trautv.

Geraniaceae

72ZE02194	I E	robertianum L. [CYT <u>The Netherlands</u>]
91ZE01654	G	robertianum L.
66BL00130	I G	sanguineum L. var. prostratum (Cav.) Pers. 'Lancastriense'
75ZS00127	I G	sanguineum L. var. sanguineum
86BL00407	K	shikokianum Matsum. var. yoshiianum (Koidz.) Hara
88BL00037	G	soboliferum Kom.
89BL00137	U	spec.
90BL01216	U	spec.
85BL00173	G	stapfianum Hand.-Mazz.
85BL00174	G	stapfianum Hand.-Mazz. 'Roseum'
66BL00144	I G	sylvaticum L.
75ZS00128	I G	sylvaticum L.
81BL00145	I G	wallichianum D. Don
Pelargonium		
91GR00126	U	(Zonale-hybr.) cv.
73GR00633	I G	echinatum Curt.
84BL00082	S	endlicherianum Fenzl [<u>Turkey, European</u>]
84BL00263	G	endlicherianum Fenzl
70GR00187	G	ferulaceum (N.L. Burm.) Willd.
53ZE00969	I G	inodorum Willd.
91GR01172	I K	radens H.E. Moore
76GR00511	I G	x stapletoni Sweet
73GR00632	I G	tetragonum (L.f.) L'Herit.

GESNERIACEAE

Introduction

This former research collection has been maintained as a focal-point collection. The material for most part originates from the neotropics and especially this part can be considered a reference collection. Monographic studies were conducted on the neotropical taxa.

The maintenance of this collection has lasted for a period of more than 25 years. Unfortunately, due to a technical cause in 1990, we lost a number of valuable accessions. In 1991, however, we acquired a fine collection from a private *Gesneriaceae* enthusiast. The cultivation and care of these plants is rather specialized and needs constant attention.

Aims

The maintenance of the national focal-point collection of *Gesn-*

eriaceae with a strong accent on the representatives from the neotropics.

Programme

Much attention will be paid to the care of the maintenance material. Among other things, cuttings must be taken very regularly to rejuvenate the collection. Because of this, one obtains strong plants that are less prone to diseases. When possible the collections will be added to with material collected in the neotropics.

Location

The collection is housed in two greenhouses at Fort Hoofddijk.

Cooperation

There has been regular contact with taxonomists specialized in the family, who also use the collection for their own research. Two of these are Dr. L.E. Skog, National Museum of Natural History, Smithsonian Institution, Washington, DC (USA) and Dr. C. Feuillet, Washington, DC. Both collaborate on the "Flora of the Guianas" project. For many years there was also contact with Dr. H. Wiehler, formerly with Selby Botanic Gardens, Sarasota, FLA. (USA).

Publications

Leeuwenberg 1958; 1959; 1963; 1965; 1968; 1969.

Gesneriaceae

		x Achimenantha
86GR00262	K	'Ginger Peachy'
86GR00263	K	'Inferno'
		Achimenes
91GR01386	G	'Admirabilis'
85GR00077	G	andrieuxii DC.
91GR01389	G	andrieuxii DC.
91GR01375	G	antirrhina (DC.) C.V. Morton
85GR00246	G	candida Lindl.
91GR01379	G	candida Lindl.
91GR01388	G	chettoana H.E. Moore
91GR01376	G	dulcis C.V. Morton
75GR00195	G	ehrenbergii (Hanst.) H.E. Moore
83GR00388	I G	ehrenbergii (Hanst.) H.E. Moore

Gesneriaceae

91GR01392	G	ehrenbergii (Hanst.) H.E. Moore
68GR00759	I G	erecta (Lam.) H.P. Fuchs
91GR01377	G	fimbriata Rose ex C.V. Morton
68GR00748	I G	flava C.V. Morton
91GR01383	G	flava C.V. Morton
91GR01374	G	glabrata Fritsch
68GR00754	I G	grandiflora (Schiede) DC.
91GR01385	G	grandiflora (Schiede) DC. 'Robert Dressler'
91GR01329	G	'Harveyi'
75GR00196	G	heterophylla (Mart.) DC.
68GR00758	G	'Little Beauty'
68GR00742	I G	longiflora DC.
91GR01381	G	longiflora DC.
91GR01384	G	longiflora DC. 'Alba'
91GR01382	G	'Magnifica'
91GR01378	G	mexicana (Seem.) Benth. & J.D. Hook. ex Fritsch
91GR01330	G	'Nitida'
68GR00755	I G	patens Benth.
91GR01393	G	'Pearl'
68GR00741	I G	pedunculata Benth.
91GR01380	G	skinneri Lindl.
91GR01387	G	virginata
83GR00389	G	warszewicziana (Regel) H.E. Moore

Aeschynanthus

80GR00234	G	albidus (Bl.) Steud.
86GR00143	K	'Big Apple'
91GR01400	G	boscheanus Vriese
91GR01399	G	cordifolia W.J. Hook.
91GR01394	G	fecundus P.J.B. Woods
91GR01390	G	garrettii
91GR01395	G	hians C.B. Clarke
68GR00300	I G	hosseusii Pellegr.
68GR00317	I G	lobbianus W.J. Hook.
68GR00293	V G	longicaulis R. Br.
91GR01398	G	longicaulis R. Br.
91GR01391	G	longiflorus (Bl.) A. DC.
91GR01402	G	maculatus Lindl.
91GR01396	G	micranthus C.B. Clarke
86GR00265	K	micranthus C.B. Clarke X A. albidus (Bl.) Steud.
91GR01397	G	mimetes
91GR01401	G	nummularius (Burkill & S. Moore) K. Schum.
86GR00157	K	obconicus C.B. Clarke
68GR00309	G	parasiticus (Roxb.) Wall.
67GR00123	G	parviflorus (D. Don) C. Spreng.
86GR00144	K	'Pullobia'
70GR00068	I G	radicans Jack

Gesneriaceae

- 88GR00076 K spec.
 91GR01327 G spec.
 91GR01328 G spec.
 72GR00410 I G speciosus W.J. Hook.
 86GR00137 K x splendidus T. Moore
 70GR00069 I G tricolor W.J. Hook.
- Alloplectus**
 91GR01458 G ambiguus Urb.
 91GR01470 G calochlamys J.D. Smith
 91GR01457 G cristatus Mart. ex G. Don var. epirotes Leeuwenb.
 91GR01459 G fimbriatus
- Besleria**
 92GR00338 E lutea L. var. alpestris Urb. [Guadeloupe]
 80GR00269 E solanoides Kunth [MAAS 4720 Ecuador]
- Boea**
 82GR00081 I U hygrometrica (Bunge) R.Br.
- Briggsia**
 90BL01183 K muscicola (Diels) Craib
- Capaea**
 91GR01469 G grandiflora (Kunth) Decne. ex Planch.
- Chirita**
 83GR00183 G caliginosa C.B. Clarke
 91GR01466 G eburnea Hance
 88GR00072 G elphinstonia Craib
 68GR00034 I G hamosa Wall. ex R.Br.
 83GR00185 G horsfieldii R.Br.
 76GR00021 I G involucrata Craib
 68GR00051 I G lavandulacea Stapf
 71GR00040 I G micromusa B.L. Burt
 86GR00062 G pumila D. Don
 91GR01467 G sinensis Lindl.
 91GR01468 G sinensis Lindl. 'Latifolia' (dwarf)
 83GR00090 G walkeri Gardn.
- Chrysothemis**
 86GR00047 G friedrichsthaliana (Hanst.) H.E. Moore
 83GR00425 G pulchella (Donn ex Sims) Decne.
 84GR00145 I G villosa (Benth.) Leeuwenb.
- Codonanthe**
 91GR00723 G carnosa (Gardn.) Hanst.

Gesneriaceae

91GR01471	G	<i>carnosa</i> (Gardn.) Hanst.
91GR01472	G	<i>corniculata</i> Wiehler
91GR01473	G	<i>crassifolia</i> (Focke) C.V. Morton 'Cranberry'
91GR01474	G	<i>digna</i> Wiehler
91GR01475	G	<i>elegans</i> Wiehler
83GR00398	I G	<i>gracilis</i> (Mart.) Hanst.
91GR01476	G	<i>luteola</i> Wiehler 'Pygmy'
86GR00268	K	<i>macradenia</i> J.D.Sm. 'Compact Jade'
86GR00269	K	<i>paula</i> Wiehler
		x Codonanthus
86GR00147	K	'Aurora'
86GR00271	K	'Tropic Night'
86GR00272	K	'Vista'
		Columnnea
68GR00315	I G I	<i>allenii</i> C.V.Morton
86GR00145	K	'Apollo'
91GR01477	G	<i>argentea</i> Griseb.
68GR00318	I G	<i>arguta</i> C.V.Morton
68GR00302	I G	<i>x banksii</i> Lynch
68GR00308	I G	<i>billbergiana</i> Beurling
91GR01478	G	<i>brenneri</i> (Wiehler) Morley
86GR00063	G	<i>consanguinea</i> Hanst.
91GR01485	G	<i>crassicaulis</i> (Wiehler)
91GR01481	G	<i>crassifolia</i> Brongn.
91GR01480	G	<i>dissimilis</i> C.V. Morton
91GR01486	G V	<i>dressleri</i> Wiehler
91GR01487	G	<i>ecuadorana</i> (Wiehler) L.E. Skog
91GR01482	G	<i>erythrophaea</i> Decne. ex Houll.
91GR01491	G	<i>evolvens</i>
91GR01483	G	<i>fawcettii</i> (Urb.) C.V. Morton
91GR01484	G	<i>filifera</i> Wiehler
66GR01631	I G	<i>flaccida</i> Seem.
68GR00303	I G	<i>gloriosa</i> Sprague
68GR00311	V G	<i>gloriosa</i> Sprague 'Superba'
68GR00301	I G	<i>gloriosa</i> x <i>C. schiedeana</i>
70GR00063	I G	<i>harrisii</i> (Urb.) Britton
90GR00455	G	<i>harrisii</i> (Urb.) Britton
86GR00141	K	'Heidi'
86GR00154	K	'Hekla'
91GR01815	G V	<i>hiantiflora</i> Wiehler
68GR00320	I G	<i>hirta</i> Klotzsch & Hanst. var. <i>hirta</i>
68GR00314	I G	<i>hirta</i> Klotzsch & Hanst. var. <i>mortonii</i> (Raymond) Morley
90GR00178	G V	<i>illepida</i> H.E.Moore
91GR01479	G	<i>kahlbreyeriana</i> Masters
86GR00156	K	'Krakatau'

Gesneriaceae

- 74GR00376 G lehmannii Mansf.
 68GR00326 I G linearis Oerst.
 68GR00304 I G microphylla Klotzsch & Hanst. ex Oerst.
 91GR01489 G minor (W.J. Hook.) Hanst.
 91GR01488 G R mira B. Morley
 66GR01629 I G R moorei C.V. Morton
 83GR00382 G oerstediana Klotzsch ex Oerst.
 91GR01495 G parviflora C.V. Morton 'Rusty'
 91GR01493 G picta Karsten
 91GR01498 G pilosissima Standl.
 91GR01814 G purpurata Hanst.
 91GR00725 G purpureovittata (Wiehler) B. Morley
 91GR01496 G purpureovittata (Wiehler) B. Morley
 91GR01817 G repens (W.J. Hook.) Hanst.
 91GR01819 G sanguinea (Pers.) Hanst.
 91GR01816 G sanguinolenta (Klotzsch ex Oerst.) Hanst. 'Black Frill'
 68GR00316 I G scandens L.
 69GR00195 I G schiedeana Schlechtend.
 86GR00155 K 'Schönbrunn'
 91GR01706 U spec.
 91GR01818 E spec. [Guatemala]
 68GR00767 G 'Stavanger'
 91GR01823 G subcordata C.V. Morton
 68GR00294 I G teuscheri (C.V. Morton) H.E. Moore
 90GR00086 G tulae Urban
 68GR00321 I G tulae Urban 'Flava'
 72GR00088 I G V tulae Urban 'Rubra'
- Conandron**
 84BL00400 G ramondioides Sieb. & Zucc.
- Diastema**
 91GR01324 G comiferum
 91GR01325 G maculatum (Poepp.) Benth. ex Walp.
 90GR00179 G quinquevulnerum Planch. & Linden
 91GR01326 G racemiferum Benth.
 91GR01323 G scabrum (Poepp.) Benth. ex Walp.
 91GR01322 G vexans H.E. Moore
- Drymonia**
 91GR00429 S E alloplectoides Hanst. [MAAS 7910 Costa Rica]
 91GR01828 G alloplectoides Hanst.
 91GR01826 E campostyla Leeuwenb. [SKOG French Guiana]
 91GR01824 G conchocalyx Hanst.
 91GR01820 G killipii Wiehler
 91GR01831 G multiflora (Oerst. ex Hanst.) Wiehler
 91GR01829 G oinochrophylla (J.D. Smith) D.N. Gibson

Gesneriaceae

- 91GR01827 G peltata (Oliver) H.E. Moore
 71GR00054 I N serrulata (Jacq.) Mart. [BRET 426 Venezuela]
 74GR00616 I E serrulata (Jacq.) Mart. [PL 4377 Colombia]
 91GR01825 G serrulata (Jacq.) Mart. 'Miranda'
 78GR00199 E spec. [LEEU 11739 Guyana]
 75GR00361 I G stenophylla (J.D. Sm.) H.E. Moore
 91GR01830 G R sulphurea Wiehler
 91GR01822 G turrialvae Hanst.
 91GR01821 G variegata Uribe.....

Episcia

- 68GR00388 I G cupreata (W.J.Hook.) Hanst.
 77GR00108 G cupreata (W.J.Hook.) Hanst.. cv.
 68GR00766 I G cupreata (W.J.Hook.) Hanst. 'Silver Sheen'
 91GR01460 G 'Cygnets'
 68GR00312 I G dianthiflora H.E.Moore & R.G.Wils.
 90GR00447 G dianthiflora H.E.Moore & R.G.Wils.
 91GR01461 G dianthiflora H.E.Moore & R.G.Wils. 'Costa Rica'
 91GR01463 G 'Irish August'
 68GR00364 I G lilacina Hanst.
 91GR01464 G lilacina Hanst. 'Mrs. Fanny Haage'
 77GR00107 G lilacina Hanst. 'Viridis'
 68GR00307 I G punctata (Lindl.) Hanst.
 91GR01465 G punctata (Lindl.) Hanst.
 68GR00325 I G reptans Mart.
 80GR00359 V E reptans Mart. [MAAS 5236 Venezuela]
 91GR01490 G spec.
 91GR01462 G xantha Leeuwenb.

Gesneria

- 68GR00080 I G cuneifolia (DC.) Fritsch
 77GR00011 I G pulverulenta Alain
 68GR00347 I G ventricosa Sw. subsp. ventricosa

Gloxinia

- 86GR00274 K 'Chic'
 86GR00275 K 'Damask'
 79GR00063 I G gymnostoma Griseb.
 69GR00253 I G lindeniana (Regel) Fritsch
 86GR00276 K 'Medea'
 86GR00277 K 'Medusa'
 91GR01922 G nematanthodes (O. Kuntze) Wiehler
 68GR00359 I G perennis (L.) Fritsch
 91GR01923 G perennis (L.) Fritsch 'Insignis'
 91GR01833 G racemosa (Benth.) Wiehler
 68GR00345 I G sylvatica (H.B.K.) Wiehler

Gesneriaceae

- 66BL00054 I G **Haberlea**
rhodopensis Friv.
- 91BL01805 K rhodopensis Friv. 'Virginalis'
- 91GR01924 G **Heppiella**
spec.
- 86GR00279 K **x Heppimenes**
'Purple Queen'
- 68GR00090 I G **Koellikeria**
erinoides (DC.) Mansf.
- 68GR00363 I G **Kohleria**
amabilis (Planch. & Lind.) Fritsch
- 85GR00249 G bella C.V. Morton
- 90GR00452 G bogotensis (Nichols.) Fritsch
- 91GR01925 G 'Cecilia'
- 86GR00151 G 'Clytie'
- 68GR00351 I G digitaliflora (Lind. & André) Fritsch
- 68GR00338 I G eriantha (Benth.) Hanst.
- 91GR01926 G hirsuta (H.B.K.) Regel
- 91GR01927 G peruviana Fritsch
- 86GR00146 G 'Rongo'
- 91GR01928 G scabrida
- 91GR01929 E spec. [Panama]
- 85GR00080 I G spicata (H.B.K.) Oerst.
- 86GR00284 K 'Strawberry Fields'
- 83GR00391 I G trianae (Regel) Hanst.
- 91GR01930 G trianae (Regel) Hanst.
- 91GR01931 G tubiflora (Cav.) Hanst.
- 91GR01932 G villosa (Fritsch) Wiehler
- 83GR00392 G warszewiczii (Regel) Hanst.
- 91GR01933 G **Lembocarpus**
amoenus Leeuwenb.
- 91GR01934 G **Lietzia**
brasiliensis Regel & Schmidt
- 91GR01935 G **Lysionothus**
montanus Kao
- 86BL00419 K **Lysionotus**
pauciflorus Maxim.
- Monophyllaea**

Gesneriaceae

- 83GR00056 G *horsfieldii* R. Br.
- Monopyle**
- 91GR01936 G R *grandiflora* Wiehler
- 91GR01937 G *sodiroana* Fritsch
- Moussonia**
- 91GR01938 G *septentrionalis* (Denham) Wiehler
- 91GR01939 G *strigosa* C.V. Morton
- Nautilocalyx**
- 92GR00474 G *cataractarum* Wiehler
- 92GR00475 G R *colonensis* Wiehler
- 92GR00476 G *ecuadoranus* Wiehler
- 68GR00348 I G *lynchii* (J.D. Hook.) Sprague
- 92GR00477 G *lynchii* (J.D. Hook.) Sprague
- 92GR00478 G *melittifolius* (L.) Wiehler
- 92GR00479 G *melittifolius* (L.) Wiehler 'St. Vincent'
- 86GR00138 K *porphyrotrichus* (Leeuwenb.) Wiehler 'El Blanco'
- 92GR00480 G *punctatus* Wiehler
- Nematanthus**
- 86GR00152 K 'Chandolin'
- 68GR00322 I G *crassifolius* (Schott.) Wiehler
- 92GR00481 G *fissus* (Vell.) L. Skog
- 68GR00310 I G *gregarius* D.L. Denh.
- 92GR00482 G *gregarius* D.L. Denh. 'Golden West'
- 92GR00483 G *hirtellus* (Schott) Wiehler
- 92GR00484 G *maculatus* (Fritsch) Wiehler
- 81GR00192 G *perianthomegus* (Vell.) H.E. Moore cv.
- 92GR00487 G 'Sambo'
- 75GR00360 I G *strigillosus* (Mart.) H.E. Moore
- 92GR00485 G *tessmannii* (Hoehne) A. Chautems
- 86GR00150 K 'Tropicana'
- 92GR00486 G *villosus* (Hanst.) Wiehler
- 83GR00401 G *wettsteinii* (Fritsch) H.E. Moore
- Neomortonia**
- 92GR00744 G *nummularia* (Hanst. Wiehler
- Niphaea**
- 86GR00101 G *oblonga* Lindl.
- 92GR00768 G *oblonga* Lindl.
- Opithandra**
- 92BL00870 G spec.

Gesneriaceae

- Paliavana**
66GR01547 I G prasinata (Ker-Gawl.) Benth. & J.D.Hook.
- Paradrymonia**
92GR00758 G decurrens (C.V. Morton) Wiehler
92GR00760 G densa (C.H. Wright) Wiehler
92GR00759 G lacera Wiehler
- Parakohleria**
92GR00748 G abunda Wiehler
92GR00749 G baezana (Cuatrec.) Wiehler
92GR00750 G rhodotricha (Cuatrec.) Wiehler
92GR00751 G sprucei (Britton ex Rusby) Wiehler
- Pearcea**
92GR00761 G hypocyrtiflora (W.J. Hook.) Regel
- Petroscosmea**
92GR00762 K flaccida Craib
92GR00763 G kerrii Craib
92GR00764 G nervosa Craib
92GR00765 G parryorum C. Fisch.
- Phinaea**
92GR00766 G albo-lineata Benth. ex Hemsl.
90GR00180 G divaricata (Poepp.) Wiehler
84GR00147 G multiflora C.V. Morton
- Ramonda**
65BL00453 I G myconi (L.) Rechb.
66BL00325 I G myconi (L.) Rechb. 'Alba'
82BL00035 G myconi (L.) Rechb. 'Alba'
82BL00036 G R nathaliae Panc. & Petr.
82BL00132 S R nathaliae Panc. & Petr. [Yugoslavia]
73BL00099 E R serbica Panc.
- Rytidophyllum**
82GR00076 E auriculatum W.J.Hook. [Dominica]
68GR00371 I E tomentosum (L.) G.Don [KUK 1690 Jamaica]
- Saintpaulia**
84GR00421 G confusa B.L.Burtt
68GR00765 I E grotei Engl. [Tropical Africa]
92GR00564 G magungensis E.P. Roberts var. minima B.L. Burtt
68GR00093 I G R orbicularis B.L.Burtt
73GR00150 I G pendula B.L.Burtt

Gesneriaceae

Sinningia

- 92GR01042 G aggregata (Ker-Gawl.) Wiehler
 92GR01043 G aggregata (Ker-Gawl.) Wiehler 'Pendulina'
 84GR00149 G canescens (Mart.) Wiehler
 68GR00329 I G cardinalis (Lehm.) H.E. Moore
 92GR01044 G cardinalis (Lehm.) H.E. Moore
 86GR00086 G claybergiana H.E. Moore
 84GR00148 G cooperi (Paxt.) Wiehler
 85GR00242 G discolor (Decne. ex Hanst.) Sprague
 92GR01045 G eumorpha H.E. Moore
 86GR00041 G hirsuta (Decne. & Hanst.) Nichols.
 66GR01546 I G incarnata (Aubl.) D.L. Denh.
 84GR00146 I G incarnata (Aubl.) D.L. Denh.
 68GR00330 I G macropoda (Sprague) H.E. Moore
 92GR01046 G macrorrhiza (Dum.) Wiehler
 92GR01047 G peruviana
- 92GR01048 G reitzii (Hoehne) Skog
 92GR01049 G richii Clayb.
 90GR00343 G sceptrum (Mart.) Wiehler
 92GR01050 G sceptrum (Mart.) Wiehler
 92GR01051 G sellovii (Mart.) Wiehler
 86GR00100 E spec. [CULX 603 Argentina]
 92GR01053 G spec.
 84GR00137 G speciosa (Lodd.) Hiern
 88GR00114 G speciosa (Lodd.) Hiern
 88GR00148 G speciosa (Lodd.) Hiern
 92GR01052 G speciosa (Lodd.) Hiern 'Regina'
 92GR01054 G stricta
- 92GR01055 G sulcata (Rusby) Wiehler
 92GR01056 G tuberosa (Mart.) H.E. Moore
 68GR00349 I G tubiflora (W.J. Hook.) Fritsch
 92GR01057 G tubiflora (W.J. Hook.) Fritsch
 92GR01058 G umbellata (Decne.) Hjelmq.
 92GR01059 G verticillata (Vell.) H.E. Moore

Smithiantha

- 69GR00125 I G cinnabarina (Lind.) O. Kuntze
 92GR01060 G cinnabarina (Lind.) O. Kuntze
 86GR01299 G multiflora (Martens & Gal.) Fritsch
 92GR01061 G spec.

Streptocarpus

- 69GR00142 G eylesii S. Moore
 85GR00024 E michelmorei B.L. Burt [Tanzania]
 80GR00137 E montanus Oliv. [KUK Kenya]
 68GR00004 I G polyanthus W.J. Hook. subsp. comptonii (Mansf.) Hilliard
 92GR01063 G primulifolius Gand. subsp. formosus Hilliard & B.L. Burt

Gesneriaceae

- 92GR01062 G primulifolius Gand. subsp. primulifolius
 67GR00072 I G rexi (Bowie ex W.J. Hook.) Lindl.
 68GR00324 I G saxorum Engl.
 78GR00070 I G thompsonii R. Br. var. thompsonii
 68GR00048 I G wilmsii Engl.

unknown

- 86GR00226 E species 'GESNER' [H.L. 124 Colombia]
 86GR00227 E species 'GESNER' [H.L. 131 Colombia]
 86GR00228 E species 'GESNER' [H.L. 151 Colombia]
 86GR00229 E species 'GESNER' [H.L. 1639 Colombia]
 86GR00230 E species 'GESNER' [H.L. 159 Colombia]
 91GR00436 E species 'GESNER' [Costa Rica]
 91GR00437 E species 'GESNER' [Costa Rica]

Ginkgoaceae

Ginkgo

- 86RD00295 G R biloba L.
 1 of 12 accessions sharing this taxon are listed above
 00ZG01288 G biloba L. 'Autumn Gold'
 00ZG01287 G biloba L. 'Fairmount'
 00ZG01286 G biloba L. 'Horizontalis'
 00ZG01283 G biloba L. 'Ohazuki'
 00ZG01284 G biloba L. 'Pendula'
 00ZG01282 G biloba L. 'Tremonia'

Globulariaceae

Globularia

- 91BL00233 E cordifolia L. [France]
 91BL00238 E cordifolia L. [Austria]
 91BL00275 E cordifolia L. [Switzerland]
 87BL00271 G R incanescens Viv.
 90BL00072 G R incanescens Viv.
 91BL00564 E nudicaulis L. [Switzerland]
 91BL00565 E nudicaulis L. [France]
 91BL00276 E I punctata Lapeyr. [Switzerland]
 91BL00277 E I punctata Lapeyr. [W.Germany]
 92BL00822 G repens Lam.
 92BL00369 S trichosantha Fisch. & Mey.
 91ZS00776 S vulgaris L. [Sweden]
 91ZS00802 E vulgaris L. [France]

Hebenstretia

- 77ZE00304 I G dentata L.

Grossulariaceae

- Brexia**
84GR00247 I U madagascariensis Thou. ex Ker-Gawl.
- Escallonia**
70GR00114 V E bifida Link & Otto [JCL 6263 Brazil]
75RD00062 G 'Victory'
75RD00061 I G virgata (Ruiz & Pav.) Pers.
- Itea**
71RD00023 I G virginica L.
76RD00240 E virginica L. [New Jersey]
86RD00380 K virginica L.
- Ribes**
62RD00476 I G alpinum L.
77RD00074 E alpinum L. [Czechoslovakia]
62RD00701 G aureum Pursh
70RD00187 I G aureum Pursh
81RD00155 E aureum Pursh [Ohio]
81RD00159 E aureum Pursh [Vermont]
78RD00106 E cereum Dougl. [Canada]
78RD00047 E fasciculatum Sieb. & Zucc. var. chinense Maxim.
61RD00567 G fasciculatum Sieb. & Zucc. var. fasciculatum
77RD00059 E heterotrichum C.A.Mey. [Kazakhstan]
78RD00029 E hudsonianum Richards. [Michigan]
78RD00193 G hudsonianum Richards.
77RD00055 E meyeri Maxim. var. meyeri [Kazakhstan]
61RD01548 I G nigrum L.
62RD00556 I G orientale Desf. var. heterotrichum (C.A.Mey.) Jancz.
76RD00045 G orientale Desf. var. orientale
61RD00697 E petraeum Wulf. var. petraeum [Czechoslovakia]
77RD00143 E petraeum Wulf. var. petraeum [Czechoslovakia]
64RD00281 I G sanguineum Pursh
91RD01005 K sanguineum Pursh
79RD00541 G sanguineum Pursh 'King Edward VII'
61RD01257 I G uva-crispa L. var. uva-crispa
77RD00087 E uva-crispa L. var. uva-crispa [Iran]
65RD00045 G vilmorinii Jancz.
77RD00036 E viscosissimum Pursh [Br. Columbia incl. Charlotte Isl.]

Gunneraceae

- Gunnera**
71BL00405 G manicata Lind. ex André
91ZB01009 K manicata Lind. ex André

Haemodoraceae

Haemodoraceae

- 80GR00405 I G **Anigozanthos**
flavidus Redoute
- 90GR00487 E **Lachnanthes**
caroliniana (Lam.) Dandy [MAAS 7766 Cuba]
- 72GR00370 I E **Xiphidium**
caeruleum Aubl. [HEKK Suriname]

Haloragaceae

- 55ZE00960 I G **Haloragis**
erecta (Banks ex Murr.) Oken subsp. erecta
- 89GR00106 G **Myriophyllum**
brasiliense Cambess.

Hamamelidaceae

- 79RD00481 G R **Corylopsis**
gotoana Mak.
- 62RD00151 I G pauciflora Sieb. & Zucc.
- 83RD00334 G pauciflora Sieb. & Zucc.
- 60RD00374 G sinensis Hemsl.
- 78RD00149 G sinensis Hemsl.
- 61RD00638 I G spicata Sieb. & Zucc.
- 63RD00217 G spicata Sieb. & Zucc.
- 74RD00492 I G spicata Sieb. & Zucc.
- 81RD00449 G spicata Sieb. & Zucc.
- 61RD00015 I G willmottiae Rehd. & Wils.
- 81RD00063 G willmottiae Rehd. & Wils.
- 91GR00767 E **Disanthus**
cercidifolius Maxim. [Japan]
- 73GR00483 I G **Distylium**
racemosum Sieb. & Zucc.
- 89RD00022 E **Fortunearia**
sinensis Rehd. & Wils. [W.China]
- 81RD00065 G **Fothergilla**
gardenii Murr.
- 00ZG00873 G major (Sims) Lodd.
- 00ZG00887 G major (Sims) Lodd.

Hamamelidaceae

61RD00310 G major (Sims) Lodd.

Hamamelis

86RD00239 K x intermedia Rehd., cv.
 79RD00502 G x intermedia Rehd. 'Diane'
 00ZG03414 G x intermedia Rehd. 'Gimborn's Perfume'
 88RD00321 K x intermedia Rehd. 'Gimborn's Perfume'
 88RD00121 K x intermedia Rehd. 'Goldcrest'
 79RD00504 G x intermedia Rehd. 'Jelena'
 86RD00352 K x intermedia Rehd. 'Jelena'
 79RD00505 G x intermedia Rehd. 'Primavera'
 84RD00354 G x intermedia Rehd. 'Westerstede'
 72RD00188 V G japonica Sieb. & Zucc. 'Arborea'
 61RD00325 G japonica Sieb. & Zucc. var. flavopurpurascens (Mak.) Rehd.
 74RD00380 I G japonica Sieb. & Zucc. var. flavopurpurascens (Mak.) Rehd.
 62RD00297 I G japonica Sieb. & Zucc. var. japonica
 83RD00121 U japonica Sieb. & Zucc. var. obtusata Matsum.
 00ZG02150 G mollis Oliv.
 79RD00506 G mollis Oliv.
 80RD00453 G mollis Oliv.
 74RD00394 I G mollis Oliv. 'Brevipetala'
 83RD00323 G mollis Oliv. 'Pallida'
 83RD00351 G mollis Oliv. 'Pallida'
 61RD00326 G spec.
 91RD01558 G spec.
 88RD00123 K vernalis Sarg. 'Sandra'
 60RD00371 G vernalis Sarg. f. vernalis
 74RD00359 I G virginiana L.
 80RD00378 E virginiana L. [Georgia]
 90RD00330 E virginiana L. [Pennsylvania]

Liquidambar

63RD00407 G styraciflua L.
 69RD00136 G styraciflua L.
 74RD00229 G styraciflua L.
 80RD00166 E styraciflua L. [Montana]
 80RD00167 E styraciflua L. [Montana]
 80RD00539 E styraciflua L. [A 59 Kentucky]

Loropetalum

72GR00034 I G chinense (R.Br.) Oliv.

Parrotia

00ZG00100 G I persica (DC.) C.A. Mey.
 00ZG01121 G I persica (DC.) C.A. Mey.
 61RD00217 I G I persica (DC.) C.A. Mey.
 74RD00448 I G I persica (DC.) C.A. Mey.

Hamamelidaceae

- 88RD00051 E I persica (DC.) C.A. Mey. [Iran]
 91RD00907 K I persica (DC.) C.A. Mey.
 79RD00415 I G persica (DC.) C.A. Mey. 'Vanessa'

Parrotiopsis

- 77RD00122 G jacquemontiana (Decne.) Rehd.
 77RD00244 G jacquemontiana (Decne.) Rehd.
 77RD00267 I G jacquemontiana (Decne.) Rehd.
 90RD00208 K jacquemontiana (Decne.) Rehd.

Sinowilsonia

- 82RD00079 G R henryi Hemsl.
 86RD00324 G R henryi Hemsl.

Sycopsis

- 88RD00215 G sinensis Oliv.

Trichocladus

- 74GR00488 I U ellipticus Eckl. & Zeyh. ex Walp.

Heliconiaceae

Heliconia

- 84GR00073 S E acuminata L.C.Rich. [JJDG 6598 French Guiana]
 87GR00262 S E chartacea Lane ex Barreiros [MJJ 0955 French Guiana]
 78GR00304 I G densiflora Verlot subsp. angustifolia L. Andersson
 84GR00079 S E densiflora Verlot subsp. densiflora [JJDG 5934 French Guiana]
 84GR00069 S E hirsuta L.f. [JJDG 6326 French Guiana]
 91GR00508 S E lourteigii Mello & E. Santos [MJJ 2568 Guyana]
 81GR00164 I E pendula Wawra [MAAS 5594 Guyana]
 87GR00253 E pendula Wawra [MAAS 6974 Brazil]
 89GR00091 S E psittacorum L.f. [MJJ 1937 Guyana]
 74GR00358 G rostrata Ruiz & Pav. [MAAS]
 87GR00263 S E spathocircinata Aristeg. [MJJ 0956 French Guiana]
 88GR00179 E spec. [French Guiana]
 80GR00345 E spec.nov. [MAAS 4956 Panama]

Hernandiaceae

Hernandia

- 86GR00001 G cordigera Vieill.

Sparattanthelium

- 84GR00276 I E tarapotanum Meissn. [MAAS 5976 Peru]

Hippocrateaceae

Hippocrateaceae

Salacia

- 68GR00922 I E uregaensis R. Wilczek var. aurantiaca N. Halle [WE 18 W.
Trop. Africa]

Hippocastanaceae

Aesculus

- 00ZG01001 G x carnea Hayne 'Aureo-Marginata'
79RD00356 G x carnea Hayne 'Briotii'
62RD00754 G flava Soland.
79RD00357 G flava Soland. 'Vestita'
61RD00350 I G glabra Willd.
78RD00712 G glabra Willd.
79RD00446 G glabra Willd.
83RD00134 E glabra Willd. [Ontario]
78RD00790 G hippocastanum L.
85RD00327 K hippocastanum L. 'Incisa'
00ZG00116 G hippocastanum L. 'Umbraculifera'
74RD00362 I G x hybrida DC.
76RD00158 I G x hybrida DC.
79RD00650 G indica (Cambess.) W. J. Hook.
88RD00264 K x marylandica Booth
85RD00329 K x mutabilis (Spach) Schelle 'Penduliflora'
00ZG00114 G parviflora Walt.
60RD00765 G parviflora Walt.
62RD00968 I G parviflora Walt.
85RD00330 K pavia L. 'Atrosanguinea'
85RD00328 K pavia L. var. discolor (Pursh) Torr. & A. Gray
61RD00349 G pavia L. var. pavia
62RD00146 G pavia L. var. pavia
77RD00591 I G pavia L. var. pavia
00ZG00886 G x plantierensis Andre
80RD00551 E spec. [A 9 Kentucky]
76RD00202 G turbinata Bl.
78RD00287 E turbinata Bl. [Japan]
78RD00713 G turbinata Bl.
78RD00643 G woerlitzensis Koehne

Hydrangeaceae

Decumaria

- 65RD00110 I G barbara L.
74RD00290 I G barbara L.

Hydrangeaceae

83BL00021	G	Deinanthe	
		bifida Maxim.	
83BL00142	G	caerulea Stapf	
		Deutzia	
80RD00141	I G	compacta Craib	
90RD00496	I K	crenata Sieb. & Zucc. var. nakaiana (Engl.) Hara 'Nikko'	
91RD00895	K	crenata Sieb. & Zucc. var. nakaiana (Engl.) Hara 'Nikko'	
74RD00034	G	gracilis Sieb. & Zucc.	
62RD00616	G	grandiflora Bunge	
91RD00929	K	grandiflora Bunge	
62RD00318	I G	x hybrida Lemoine	
75RD00018	G	x kalmiflora Lem.	
60RD00592	G	longifolia Franch.	
62RD00025	G	longifolia Franch.	
75RD00048	G	longifolia Franch.	
80RD00142	I G	purpurascens (Franch. ex L. Henry) Rehd.	
60RD00590	I G	scabra Thunb.	
61RD00066	I G	scabra Thunb.	
61RD00943	I G	scabra Thunb.	
61RD01209	G	scabra Thunb.	
62RD00450	I G	scabra Thunb.	
81RD00192	E	scabra Thunb.	
91RD00917	K	taiwanensis (Maxim.) Schneid.	
		Hydrangea	
80RD00083	G	arborescens L. subsp. arborescens	
90RD00329	E	arborescens L. subsp. arborescens [Pennsylvania]	
77RD00438	G	arborescens L. subsp. arborescens 'Annabelle'	
00ZG00978	G	heteromalla D. Don	
61RD01656	G	heteromalla D. Don	
65RD00044	G	heteromalla D. Don	
86RD00305	G	heteromalla D. Don	
86RD00322	G	heteromalla D. Don	
86RD00303	K	involutrata Sieb.	
90RD00232	K	macrophylla (Thunb. ex Murr.) Ser. 'Ayesha'	
86RD00351	K	macrophylla (Thunb. ex Murr.) Ser. 'Bouquet Rose'	
00ZG01258	G	macrophylla (Thunb. ex Murr.) Ser. 'Coerulea'	
65RD00095	I G	macrophylla (Thunb. ex Murr.) Ser. 'Coerulea'	
77RD00428	G	macrophylla (Thunb. ex Murr.) Ser. 'Lanarth White'	
79RD00513	G	macrophylla (Thunb. ex Murr.) Ser. 'Mariesii'	
91RD00940	K	macrophylla (Thunb. ex Murr.) Ser. 'Soeur Thérèse'	
79RD00649	G	macrophylla (Thunb. ex Murr.) Ser. 'Speciosa'	
92RD01109	K	macrophylla (Thunb. ex Murr.) Ser. 'Taube'	
91RD00928	K	macrophylla (Thunb. ex Murr.) Ser. 'Tricolor'	
79RD00514	G	macrophylla (Thunb. ex Murr.) Ser. 'Veitchii'	
81RD00123	E	paniculata Sieb.	

Hydrangeaceae

60RD00719	I G	paniculata Sieb. 'Floribunda'
79RD00515	G	paniculata Sieb. 'Floribunda'
00ZG00283	G	paniculata Sieb. 'Grandiflora'
85RD00392	K	paniculata Sieb. 'Kyushu'
85RD00391	K	paniculata Sieb. 'Tardiva'
77RD00429	G	paniculata Sieb. 'Unique'
00ZG00206	I G I	petiolaris Sieb. & Zucc.
65RD00192	G I	petiolaris Sieb. & Zucc.
86RD00271	U I	petiolaris Sieb. & Zucc.
86RD00304	K I	petiolaris Sieb. & Zucc.
64RD00267	I G	sargentiana Rehd.
79RD00518	G	serrata (Thunb.) Ser. 'Bluebird'
00ZG01259	G	serrata (Thunb.) Ser. 'Intermedia'
74RD00237	G	serrata (Thunb.) Ser. 'Preziosa'
86RD00266	G	serrata (Thunb.) Ser. 'Rosalba'
77RD00430	G	serrata (Thunb.) Ser. var. serrata
79RD00519	G	serrata (Thunb.) Ser. var. serrata
86RD00302	K	serrata (Thunb.) Ser. var. serrata
91RD01857	S	serrata (Thunb.) Ser. var. serrata [S.Korea]

Jamesia

64RD00306	G	americana Torr. & A.Gray
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Kirengeshoma

83BL00048	E	koreana Nakai [S.Korea]
73ZS00020	I G R	palmata Yatabe

Philadelphus

75RD00023	G	'Beaucherck'
64RD00262	G	caucasicus Koehne
90RD00239	K I	coronarius L.
77RD00006	E	delavayi L.Henry [Zhejiang]
61RD01350	G	floridus Beadle
63RD00073	G	henryi Koehne
61RD01013	G	lewisii Pursh var. lewisii
77RD00150	E	lewisii Pursh var. lewisii [Washington]
90RD00240	K	microphyllus A. Gray
76RD00182	G	'Purity'
60RD00057	E	satsumanus Sieb. ex Miq.
91RD01858	S	schrenkii Rupr. [S.Korea]
60RD00597	G	sericanthus Koehne
77RD00008	E	subcanus Koehne var. subcanus [Zhejiang]
76RD00177	G	(purpureo-maculatus-hybridum) 'Sybille'

Hydrocharitaceae

Hydrocharitaceae

- 92GR00235 G **Egeria**
densa Planch.
- 92GR00234 E **Hydrilla**
verticillata (L.f.) Royle [Pakistan]
- 89GR00103 G **Limnobium**
laevigatum (H. & B. ex Willd.) Heine

Hydrophyllaceae

- 87ZS00012 G **Hydrophyllum**
canadense L.
- 88ZS00019 G canadense L.
- 71ZS00114 I G virginianum L.
- 88ZE02133 I G **Nemophila**
maculata Benth. ex Lindl.
- 77ZE00609 I G menziesii W.J. Hook. & Arn.
- 71ZE00310 V G **Phacelia**
congesta W.J.Hook.
- 71ZE00817 I G tanacetifolia Benth.
- 91ZE01596 G tanacetifolia Benth.
- 84ZE02172 G viscida (Benth. ex Lindl.) Torr.
- 83BL00406 G **Romanzoffia**
tracyi Jeps.

Iridaceae

- 70ZS00025 I G **Acidanthera**
bicolor Hochst. 'Murielae'
- 68GR01077 I G **Babiana**
stricta (Ait.) Ker-Gawl. var. erectiflora Lewis
- 87GR00255 I G **Belamcanda**
chinensis (L.) DC. [MAAS]
- 90GR00535 G chinensis (L.) DC.
- 68GR01494 I G **Chasmanthe**
bicolor (Gasp.) N.E.Br.

Iridaceae

- Crocsmia**
 74ZS00038 G x crocosmiiflora (Lemoine ex E.Morr.) N.E.Br.
- Crocus**
 82BL00027 E R aeriis Herb. [Turkey (Asia Minor)]
 66BL00088 I G ancyrensis (Herb.) Maw
 75BL00211 I G I angustifolius West.
 77BL00360 G balansae J.Gay ex Maw 'Zwanenburg'
 90BL00806 G banaticus J. Gay
 83BL00440 I E biflorus Mill. subsp. adamii (J.Gay) B.Mathew [Yugoslavia]
 79BL00337 E biflorus Mill. subsp. biflorus [Yugoslavia]
 77BL00343 E R cancellatus Herb. var. cancellatus [SYR 167 Syria]
 78BL00227 S R cancellatus Herb. var. cancellatus [Iran]
 79BL00360 S R cancellatus Herb. var. cancellatus [Iran]
 77BL00362 I G cancellatus Herb. var. cilicicus Maw
 77BL00364 I E carpetanus Boiss. & Reut. [The Netherlands]
 71BL00341 G cartwrightianus Herb. 'Albus'
 77BL00365 G caspius Fisch. & Mey. var. lilacinus Bowl.
 87BL00090 E chrysanthus (Herb.) Herb.
 82BL00325 I E chrysanthus (Herb.) Herb. var. bornmuelleri Kitan. & Drenk. [Yugoslavia]
 83BL00442 E chrysanthus (Herb.) Herb. var. bornmuelleri Kitan. & Drenk. [Yugoslavia]
 82BL00326 I E chrysanthus (Herb.) Herb. var. chrysanthus [Yugoslavia]
 71BL00416 I G chrysanthus (Herb.) Herb. cv.
 77BL00401 I G chrysanthus (Herb.) Herb. 'E.P.Bowles'
 74BL00127 G chrysanthus (Herb.) Herb. 'Saturnus'
 77BL00366 chrysanthus (Herb.) Herb. 'Uschak Orange'
 77BL00302 I E clusii J.Gay [Y 15355 Portugal]
 77BL00367 G corsicus Vanucci ex Maw
 79BL00039 I E danfordiae Maw [PASCHE Turkey (Asia Minor)]
 77BL00404 G etruscum Parl. 'Zwanenburg'
 77BL00405 I G R flavus West.
 83BL00441 E R flavus West. [Yugoslavia]
 66BL00087 I G fleischeri J.Gay
 78BL00458 N R goulimy Turrill [Peloponesos]
 77BL00368 G hadriaticus Herb. var. chrysobelonicus Herb.
 79BL00362 S haussknechtii Boiss. & Reut. ex Boiss. [Iran]
 67BL00264 I G kotschyanus K.Koch subsp. kotschyanus
 71BL00340 G medius Balb.
 77BL00406 I G minimus DC.
 82BL00271 I E nudiflorus J.E.Sm. [France]
 72BL00276 G ochroleucus Boiss. & Gaill.
 83BL00445 pallasii Goldb. subsp. pallasii
 92BL00195 K 'Prins Claus'
 72BL00288 I G pulchellus Herb.
 83BL00446 E reticulatus Stev. ex Adams subsp. reticulatus [Yugoslavia]

Iridaceae

- 77BL00370 N sativus L. var. elwesii Maw [Turkey (Asia Minor)]
 77BL00407 G sieberi J.Gay var. atticus Orph.
 77BL00371 G sieberi J.Gay f. tricolor Bowles & Burt
 86BL00037 S speciosus M.B. subsp. speciosus [Turkey (Asia Minor)]
 69BL00495 I G tommasinianus Herb.
 77BL00374 G tommasinianus Herb. 'Albus'
 65BL00658 G tommasinianus Herb. 'Barr's Purple'
 65BL00657 G tommasinianus Herb. 'Whitewell Purple'
 68BL00100 E vernus (L.) Hill subsp. albiflorus (Kit. ex Schult.) Aschers. & Graebn.
 77BL00051 E vernus (L.) Hill subsp. albiflorus (Kit. ex Schult.) Aschers. & Graebn. [Switzerland]
 76BL00136 G vernus (L.) Hill. cv.
 77BL00184 G vernus (L.) Hill subsp. vernus
 78BL00208 E vernus (L.) Hill subsp. vernus [Poland]
 86BL00280 S vernus (L.) Hill subsp. vernus [Italy]
 90BL00859 E vernus (L.) Hill subsp. vernus [Czechoslovakia]

Diates

- 68GR01457 I G vegetata (L.) N.E. Br.

Gladiolus

- 70BL00167 I G byzantinus Mill.
 79BL00385 G caucasicus
 74ZS00039 G cv.
 77BL00056 E imbricatus L. [Thracia]
 77BL00384 I N imbricatus L. [Finland]
 90BL00127 E italicus [France]
 77ZS00030 G primulinus Bak.. cv.

Iris

- 78BL00312 E alberti Regel [Kirgiziya]
 70BL00074 I G aphylla L.
 90BL00060 G aucheri
 70BL00160 G 'Azurea'
 90BL00061 G bucharica M.Foster
 71BL00217 G cengialti Ambrosi
 64BL00083 I E chamaeiris Bertol. [Austria]
 66BL00032 G chamaeiris Bertol.
 73BL00051 G chrysographes Dykes
 86BL00400 E clarkei Bak. ex J.D.Hook. [SCHLL 2867 Nepal]
 69BL00435 G crocea Jacquem. ex R.Foster
 86BL00036 S cycloglossa Wendelbo [P.W. 7727 Afghanistan]
 92BL00197 K danfordiae (Bak.) Boiss.
 75BL00053 G demetrii Akhverdov & Mirzojeva
 75BL00054 G douglasiana Herb.
 80ZS00106 I E germanica L. [EAM Spain]

Iridaceae

- 71BL00343 G *germanica* L. 'Ola Kala'
- 86BL00411 K *gracilipes* A.Gray
- 71BL00385 G *graminea* L.
- 78BL00157 S *graminea* L. [Formentera]
- 84BL00468 G 'Greenspot'
- 89BL00154 K 'Greenspot'
- 67BL00270 G *halophila* Pall.
- 77BL00387 I G *histrioides* (G.F.Wils.) S.Arnett 'Major'
- 85BL00225 G *humilis* Georgi
- 78BL00276 G *hungarica* Waldst. & Kit.
- 86BL00034 G *kerneriana* Asch. & Sint.
- 75BL00055 G I *laevigata* Fisch.
- 77BL00409 I G I *magnifica* Vved.
- 87BL00603 G I *milesii* M. Foster
- 75BL00056 S *missouriensis* Nutt. var. *latifolia* [Arizona]
- 70BL00093 G *pallida* Lam.
- 77ZS00038 I G *prismatica* Pursh
- 77ZS00036 I G *pseudacorus* L.
- 91ZS01741 U *pseudacorus* L.
- 75BL00050 I G *pumila* L. var. *attica* (Boiss. & Heldr.) Regel
- 83BL00428 G *pumila* L. 'Aurea'
- 83BL00431 G *pumila* L. 'Jane Taylor'
- 83BL00432 G *pumila* L. 'Little Vanessa'
- 83BL00430 G *pumila* L. 'Meadow Court'
- 83BL00429 G *pumila* L. 'The Bride'
- 86BL00032 S R *purpureobractea* B.Mathew & Baytop [Turkey (Asia Minor)]
- 82BL00026 S *reichenbachii* Heuff. [Yugoslavia]
- 69BL00486 I G *reticulata* M.B.
- 77BL00411 G *reticulata* M.B. 'Harmony'
- 79ZS00033 G *sanguinea* Hornem.
- 86BL00030 S *schachtii* Markgraf [Turkey (Asia Minor)]
- 79BL00277 S *setosa* Pall. ex Link [Kurile Isls.]
- 79BL00400 E *setosa* Pall. ex Link [Sakhalin]
- 64BL00259 I G *sibirica* L.
- 77ZS00037 I G *sibirica* L.
- 82BL00251 S *sogdiana* Bunge [Asiatic Russia]
- 69BL00518 E spec. [ERNST Italy]
- 86BL00432 E spec. [MAAS Portugal]
- 88BL00453 E spec. [MAAS France]
- 64BL00020 E *spuria* L.
- 85BL00011 E *spuria* L. subsp. *musulmanica* (Fomin) Takht. [L&P 7258
Turkey (Asia Minor)]
- 87BL00037 G *tenax* Dougl.
- 75BL00057 G *versicolor* L.

Iridaceae

68GR00728 V G **Lapeirousia**
laxa (Thunb.) N.E.Br.

74GR00746 I G **Libertia**
formosa Grah.

92GR00451 S **Moraea**
alticola Goldblatt [Zululand]

76GR00098 G **Neomarica**
coerulea (Ker-Gawl.) Sprague

68GR01463 I G gracilis (Herb.) Sprague

68GR01515 I G northiana (Schneev.) Sprague

68GR01087 I G **Orthrosanthus**
multiflorus Sweet

91GR00557 G **x Pardanca**
norrisii L. Lenz

90GR00151 G **Patersonia**
umbrosa

90ZS00953 G **Sisyrinchium**
angustifolium Mill.

88BL00041 G bermudiana L.

65BL00428 G convolutum Nocca

88BL00042 G douglasii A. Dietr.

79BL00298 E patagonicum Phil. [Argentina]

71BL00412 G spec.

91GR01368 I K striatum Sm.

71ZS00098 I G **Tigridia**
pavonia (L.f.) Ker-Gawl.

88GR00012 G pavonia (L.f.) Ker-Gawl.

Juglandaceae

00ZG02300 G **Carya**
cordiformis (Wangenh.) K.Koch

91RD00889 K cordiformis (Wangenh.) K.Koch

78RD00719 G myristiciformis (Michx.f.) Nutt. ex Elliott

00ZG00064 G ovata (Mill.) K.Koch

74RD00461 G I **Juglans**
ailantifolia Carr. var. ailantifolia

00ZG00078 G ailantifolia Carr. var. cordiformis (Mak.) Rehd.

Juglandaceae

74RD00325	G	ailantifolia Carr. var. cordiformis (Mak.) Rehd.
00ZG00055	G	cinerea L.
61RD00862	G	cinerea L.
65RD00018	G	cinerea L.
74RD00324	I G	cinerea L.
77RD00491	G	cinerea L.
61RD00150	G V	mandshurica Maxim.
78RD00239	G V	mandshurica Maxim.
65RD00146	G	microcarpa Berland.
77RD00280	G	microcarpa Berland.
60RD00131	G	nigra L.
65RD00017	G	nigra L.
91RD00901	K R	regia L.
85RD00309	K	regia L. 'Broadview'

Pterocarya

00ZG00321	G	fraxinifolia (Lam.) Spach
00ZG02299	I G	fraxinifolia (Lam.) Spach
60RD00116	G	fraxinifolia (Lam.) Spach
77RD00245	I G	fraxinifolia (Lam.) Spach
64RD00088	G	hupehensis Skan
00ZG02301	I G	x rehderiana Schneid.
78RD00192	G	rhoifolia Sieb. & Zucc.
83RD00366	G	rhoifolia Sieb. & Zucc.

Juncaceae

Juncus

80ZS00050	I E	effusus L. [Hungary]
75ZS00037	I G	gerardi Loisel.
84BL00536	G	spec.

Luzula

87BL00396	G	luzuloides (Lam.) Dandy & Wilm.
87BL00429	G	luzuloides (Lam.) Dandy & Wilm.
87BL00660	E	luzuloides (Lam.) Dandy & Wilm. [E.Germany]
87BL00661	E	luzuloides (Lam.) Dandy & Wilm. [E.Germany]
76ZS00007	I G	luzuloides (Lam.) Dandy & Wilm. subsp. luzuloides
85ZB00024	G	luzuloides (Lam.) Dandy & Wilm. subsp. luzuloides
65BL00503	E	spadicea (All.) DC. [Alps]
91ZS01903	U	spec.
87BL00050	E	sylvatica (Huds.) Gaud. [W.Germany]
85ZB00027	G	sylvatica (Huds.) Gaud. 'Aureomarginata'

Lamiaceae

Lamiaceae

- Acinos**
92BL00220 G alpinus (L.) Moench
- Agastache**
53ZE00975 I G scrophulariaefolia (Willd.) O. Kuntze
- Ajuga**
90BL00941 E R chamaepitys (L.) Schreber [E.Germany]
91ZE01637 G R chamaepitys (L.) Schreber
90BL00345 G genevensis L.
81BL00050 E reptans L. [W.Germany]
91ZS01909 U reptans L.
92ZS00168 G reptans L.
92ZS00536 E reptans L. [Yugoslavia]
69BL00316 G reptans L. 'Multicolor'
89BL00156 K reptans L. 'Pink Surprise'
73BL00159 G reptans L. 'Variegata'
- Ballota**
76BL00084 I E R frutescens (L.) Woods [Alps]
73ZS00059 I G nigra L. subsp. nigra
84BL00526 G R pseudodictamnus (L.) Benth.
82BL00281 E rupestris (Biv.) Vis. [Yugoslavia]
- Calamintha**
88BL00417 E grandiflora (L.) Moench [Tauris Crimea]
- Collinsonia**
71ZS00059 I G canadensis L.
- Dracocephalum**
90BL00927 G grandiflorum L.
57ZE00325 I G moldavica L.
57ZE00385 I G moldavica L. 'Album'
72BL00171 I G nutans L. var. alpinum Kar. & Kir.
88BL00255 G renati Emb.
66BL00274 I G ruyschiana L.
82BL00190 E ruyschiana L. [Switzerland]
- Horminum**
65BL00165 I G pyrenaicum L.
- Hyssopus**
88RD00068 G officinalis L.
88ZS00058 G officinalis L.
88ZS00072 G officinalis L.
90BL00846 S seravschanicus [SEP 335 Pakistan]

Lamiaceae

Lamium

- 70ZS00022 I G galeobdolon (L.) L. subsp. galeobdolon
 75BL00104 I G garganicum L. subsp. laevigatum Arcang.
 69BL00313 I G maculatum L.
 92ZS00524 E maculatum L. [Belgium]
 92ZS00525 E maculatum L. [Belgium]
 92ZS00526 E maculatum L. [France]
 90BL01215 U orvala L.

Lavandula

- 72RD00265 I G angustifolia Mill. subsp. angustifolia
 91RD00283 K angustifolia Mill. 'Munstead'
 91RD00941 K angustifolia Mill. 'Rosea'
 91RD01212 K 'Dwarf Blue'

Leonurus

- 73ZS00040 I G cardiaca L.
 92ZS00163 E cardiaca L. [E.Germany]

Leucosceptrum

- 78BL00331 I G japonicum (Miq.) Kitamura & Murata

Lycopus

- 77ZS00032 I G europaeus L.

Marrubium

- 89ZS00005 I G supinum L.
 91ZS00546 G vulgare L.
 91ZS00644 G vulgare L.

Meehania

- 72BL00254 I G urticifolia (Miq.) Mak.

Melissa

- 75ZS00027 I G officinalis L.

Mentha

- 75ZS00062 G aquatica L. var. aquatica
 91ZS00443 E arvensis L. var. arvensis [Finland]
 77ZS00025 I E longifolia (L.) Huds. var. longifolia [Caucasus]
 74ZS00025 I G x piperita L. var. piperita
 91ZS00803 I E pulegium L. [France]
 92ZS00315 G pulegium L.
 92ZS00527 E pulegium L. [France]
 66BL00365 I G requienii Benth.
 85BL00179 G spicata L. var. spicata

Lamiaceae

Micromeria

- 66BL00136 I G dalmatica Benth.
 83BL00136 G thymifolia (Scop.) Fritsch
 83BL00186 G thymifolia (Scop.) Fritsch
 83BL00213 I G thymifolia (Scop.) Fritsch
 86BL00202 G thymifolia (Scop.) Fritsch

Monarda

- 88ZS00020 G bradburiana L.C. Beck

Nepeta

- 89BL00040 E bucharica [Tadzhikistan]
 91ZS00548 I G cataria L.
 70ZS00002 G x faassenii Bergm. ex Stearn 'Six Hills Giant'
 65BL00151 I G grandiflora M.B.
 72BL00217 I E nepetella L. [Switzerland]

Ocimum

- 79ZE00338 I G basilicum L.

Origanum

- 90BL01192 K rotundifolium Boiss.
 81BL00230 E sipyleum L. [Turkey (Asia Minor)]
 78BL00086 V S vulgare L. subsp. hirtum (Link) Ietswaard [Yugoslavia]
 64BL00036 I E vulgare L. subsp. vulgare [KLIPH Switzerland]
 77ZS00005 I E vulgare L. subsp. vulgare [VEN Sweden]

Perovskia

- 91BL00420 G abrotanoides Karel.
 90RD00531 I K atriplicifolia Benth. 'Blue Spire'

Phlomis

- 76BL00021 I G russeliana (Sims) Benth.
 80ZB00022 G samia L.
 75ZS00043 I G tuberosa L.

Physostegia

- 73ZS00041 I G virginiana (L.) Benth.

Plectranthus

- 87GR00281 G fruticosus L'Herit.
 70GR00158 I N ornatus Codd

Prunella

- 69BL00307 G grandiflora (L.) Scholler 'Carmineus'
 65BL00160 I G grandiflora (L.) Scholler subsp. grandiflora
 87BL00368 E grandiflora (L.) Scholler subsp. pyrenaica (Gren. & Godr.)

Lamiaceae

- 87BL00369 E A. & O. Bolos [France]
grandiflora (L.) Scholler subsp. pyrenaica (Gren. & Godr.)
- 88BL00172 S A. & O. Bolos [France]
grandiflora (L.) Scholler subsp. pyrenaica (Gren. & Godr.)
- 77BL00283 I E A. & O. Bolos [Spain]
laciniata (L.) L. [Y 17117 Italy]
- 92ZS00237 E vulgaris L. [Norway]
- 92ZS00298 E vulgaris L. [Norway]
- 66BL00072 G x webbiana Paul
- Rosmarinus**
- 90RD00385 K officinalis L.
- Salvia**
- 69BL00086 I E austriaca Jacq. [Rumania]
- 72ZE02143 I G coccinea Buc'hoz ex Etling.
- 92BL00857 G daghestanica
- 88BL00156 G forskaohlei L.
- 88BL00217 G forskaohlei L.
- 66BL00138 I G glutinosa L.
- 89BL00151 G glutinosa L.
- 71BL00406 G grandiflora Etling.
- 84GR00422 I G involuocrata Cav.
- 90GR00730 I G microphylla Kunth var. neurepia (Fern.) Epling
- 88ZS00027 G officinalis L.
- 91ZS01748 U officinalis L.
- 65ZE00307 I G patens Cav.
- 87ZS00034 E patens L. var. pratensis [W. Germany]
- 83BL00064 E sonomensis E. Greene [California]
- 88BL00094 E spathacea E. Greene [R.R. 70293 California]
- 76ZB00003 G x superba (Silva Tarouca & Schneid.) Stapf 'Oost Friesland'
- 80ZS00101 I E verbenaca L. subsp. clandestina (L.) Briq. [France]
- 88BL00276 E verbenaca L. subsp. verbenaca [Spain]
- 90BL00139 E verbenaca L. subsp. verbenaca [France]
- 91BL00873 E verticillata L. [E. Germany]
- Satureja**
- 53ZE01014 I G hortensis L.
- 69BL00362 I G montana L. subsp. montana
- 77BL00047 I E vulgaris (L.) Fritsch [Finland]
- 91ZS00524 I E vulgaris (L.) Fritsch [Norway]
- Scutellaria**
- 65BL00370 I E alpina L. var. alpina [Switzerland]
- 62BL00101 I G altissima L.
- 71BL00247 G baicalensis Georgi
- 89BL00076 G baicalensis Georgi

Lamiaceae

- 91ZS00446 E galericulata L. [Finland]
 90BL00804 I G indica L. var. parvifolia (Mak.) Mak.
 75BL00042 I G orientalis L.
 84GR00273 I E speciosa Epling [MAAS 5962 Peru]
- Sideritis**
 84BL00534 G hyssopifolia L.
 90BL00938 E montana L.
 78BL00211 I E scardica Griseb. [Greece]
 91BL01043 G syriaca L.
- Stachys**
 65BL00169 I G alopecurus (L.) Benth.
 65BL00166 I G alpina L.
 78BL00314 E betoniciflora Rupr. [Kirgiziya]
 69BL00247 I G byzantina K. Koch
 73ZS00074 I G byzantina K. Koch
 65BL00102 G iberica M.B.
 69BL00363 I G lavandulifolia Vahl
 67BL00290 I G macrantha (K. Koch) Stearn
 77BL00319 I E macrantha (K. Koch) Stearn [Caucasus]
 87BL00562 S monieri (Gouan) P.W. Ball [France]
 87BL00577 G monieri (Gouan) P.W. Ball
 88BL00339 E monieri (Gouan) P.W. Ball [Switzerland]
 67BL00269 I G officinalis (L.) Trev.
 75ZS00030 I G officinalis (L.) Trev.
 69BL00315 I G officinalis (L.) Trev. 'Rosea'
- Teucrium**
 66BL00015 I G N arduini L.
 82ZE02178 I E botrys L. [Austria]
 65BL00198 I G chamaedrys L.
 91ZS01901 U chamaedrys L. subsp. germanicum (F. Hermann) Rech.f.
 91BL00415 E montanum L. [France]
 73BL00077 I E pyrenaicum L. [Pyrenees]
 75BL00208 I E scorodonia L. [Belgium]
 80ZS00008 I E scorodonia L. [France]
- Thymus**
 66BL00330 G x citriodorus (Pers.) Schreb. 'Aureus'
 75BL00101 G x citriodorus (Pers.) Schreb. 'Silver Queen'
 84BL00209 G kozo-polyanskii Golitz.
 88BL00343 G longicaulis K.B.Presl
 90BL00140 E longicaulis K.B.Presl [France]
 86BL00499 G mastichina L.
 79BL00294 E R nitens Lamotte [France]
 88BL00344 E pannonicus All. [Tauris Crimea]

Lamiaceae

- 88BL00395 E pannonicus All. [Kazakhstan]
 84BL00211 G praecox Opiz subsp. arcticus (E.Durand) Jalas
 88BL00074 E praecox Opiz subsp. arcticus (E.Durand) Jalas [Iceland]
 90BL01026 K praecox Opiz 'Elfin'
 75BL00114 G praecox Opiz 'Hall's var.'
 90BL00510 S praecox Opiz subsp. polytrichus
 77BL00189 E pulcherrimus Schur [Czechoslovakia]
 64BL00054 I E pulegioides L. [KLIPH Switzerland]
 91ZS00687 I E pulegioides L. [Belgium]
 90RD00168 G richardii subsp. nitidus
 69BL00386 G serpyllum L. 'Albus'
 69BL00387 G serpyllum L. 'Coccineus'
 75BL00191 G serpyllum L. 'Pygmaeus'
 88ZS00042 E serpyllum L. subsp. serpyllum [France]
 88BL00199 E serpyllum L. subsp. tanaensis (Hyl.) Jal. [Finland]
 86BL00453 S serpyllum L. var. vallesiacum Brig. [Switzerland]
 87BL00513 E spinulosus Ten. [S.Italy]
 91ZS00666 I G vulgaris L.
- unknown**
 89BL00020 E species 'LAMIAC' [WOLB 88-023 Nepal]

Lardizabalaceae

- Akebia**
 70RD00151 I G quinata (Houtt.) Decne.
 71RD00096 I G quinata (Houtt.) Decne.
 91RD00933 K quinata (Houtt.) Decne.

- Decaisnea**
 00ZG00891 G fargesii Franch.
 64RD00163 I G fargesii Franch.

- Holboellia**
 68GR01461 G coriacea Diels
 68GR01104 G latifolia Wall.

- Stauntonia**
 75GR00176 G hexaphylla Decne.

Lauraceae

- Cinnamomum**
 73GR00538 G camphora (L.) J.S. Presl

- Laurus**
 73GR00693 I G nobilis L.

Lauraceae

- 75GR00132 G nobilis L. 'Angustifolius'
- Lindera**
- 71RD00035 G benzoin (L.) Bl. var. benzoin
- 61RD00500 I S benzoin (L.) Bl. var. pubescens (Palmer & Steyerem.) Rehd. [Illinois]
- 82RD00159 U obtusiloba Bl.
- 66RD00100 G umbellata Thunb.

- Litsea**
- 73GR00535 G japonica (Thunb.) Juss.

- Ocotea**
- 73GR00543 G V foetens Benth. & J.D.Hook.
- 91GR01162 E rodiaei (Schomb.) Mez [Guyana]

- Persea**
- 87GR00058 G americana Mill.. cv.

- Sassafras**
- 81RD00335 E albidum (Nutt.) Nees var. albidum [New York, incl. Long Island]
- 83RD00257 E albidum (Nutt.) Nees var. albidum [Maryland]
- 74RD00455 I G albidum (Nutt.) Nees var. molle (Raf.) Fern.

Lecythidaceae

- Couroupita**
- 76GR00242 G guianensis Aubl.

- Eschweilera**
- 91GR01164 E subglandulosa (Steud.) Miers [Guyana]

- Gustavia**
- 84GR00194 G augusta L.

- Napoleona**
- 64GR00006 I E vogelii W.J. Hook. & Planch. [WE 35 Ivory Coast]

Leeaceae

- Leea**
- 74GR00472 I G sambucina (L.) Willd.

Lentibulariaceae

Lentibulariaceae

		Pinguicula
91BL00748	G	agnata Casper
92GR00569	G	agnata Casper
72GR00209	I G	moranensis H.B.K.
83BL00351	G	vulgaris L.
89BL00096	E	vulgaris L. [WOLB 89030 <u>Pyrenees</u>]
90BL00087	E	vulgaris L. [<u>Norway</u>]

		Utricularia
92GR00566	G	alpina Jacq.
92GR00117	K	livida E. Meyer
92GR00119	K	reniformis St.-Hil.
92GR00118	K	sandersonii D. Oliver
92GR00567	G	tricolor St.-Hil.

Liliaceae

		Agapanthus
85BL00183	G	campanulatus Leighton. cv.
75GR00224	I G	praecox Willd.
75GR00225	I G	praecox Willd. subsp. orientalis (Leighton) Leighton
90GR01184	K	spec.

		Agave
73GR00664	G	spec.
76GR00226	G	spec.
79GR00249	E	spec. [MAAS <u>Guyana</u>]

		Albuca
68GR00737	I G	transvaalensis Mogg

		Allium
72BL00282	G	afatunense B. Fedtsch.
79BL00323	E	altaicum Pall. [<u>Altai</u>]
78BL00212	S	altissimum Regel [<u>Iran</u>]
91BL01250	K	amabile Stapf
91BL01666	K	amabile Stapf
77BL00092	G	canadense L.
79ZS00007	G	cepa L. var. cepa
77BL00064	E	cernuum Roth [<u>Canada</u>]
77BL00351	I G	christophii Trautv.
78BL00201	E R	chrysonemum Stearn [<u>Spain</u>]
71BL00172	I G	cirrhosum Vand.
83BL00114	E	crenatum Wieg. [<u>Washington</u>]
69BL00163	I G	cyaneum Regel
69BL00403	I G	cyathophorum Bur. & Franch. var. farreri (Stearn) Stearn
78BL00224	G	flavescens Bess.

Liliaceae

- 71ZS00102 I G flavum L.
 89BL00114 N flavum L. [CYT 24913]
 78BL00074 I E geyeri S. Wats. var. geyeri [Colorado]
 79BL00392 G grayi Regel
 72BL00003 I E haematochiton S. Wats. [WROD California]
 78BL00214 G hymenorrhizum Ledeb.
 90BL00827 E R insubricum Boiss. & Reut. [Switzerland]
 78BL00022 E N junceum Sibth. & Sm. [Turkey (Asia Minor)]
 78BL00247 G kansuense Regel
 66BL00432 I S macranthum Bak. [Xizang (Tibet Autonomous R.)]
 86BL00406 K maximowiczii Regel
 66BL00141 I G moly L.
 64BL00403 I G narcissiflorum Vill.
 79BL00051 S narcissiflorum Vill. [France]
 77BL00352 G neapolitanum Cyr.
 66BL00458 I E oleraceum L. [France]
 70BL00163 I E paradoxum (M.B.) G. Don
 74BL00125 I G saxatile M.B.
 66BL00153 I G schoenoprasum L.
 91ZS01902 U schoenoprasum L.
 62BL00140 I E senescens L. [Alps]
 71ZS00106 I G senescens L.
 70BL00165 I E sphaerocephalon L.
 86BL00405 K splendens Willd.
 71BL00173 I G thunbergii G. Don
 77BL00190 E triquetrum L. [Portugal]
 77BL00194 E triquetrum L. [France]
 71ZS00104 I G tuberosum Rottl. ex Spreng.
 74BL00079 E validum S. Wats. [WROD 14 California]
 83BL00026 E victoralis L. [W.Germany]
 87BL00087 E victoralis L. [Yugoslavia]
 87BL00129 G victoralis L.
 87BL00322 E victoralis L. [France]

Anthericum

- 65BL00462 I G liliago L.
 91ZS00454 E liliago L. [E.Germany]
 66BL00108 I G ramosum L.

Aphyllanthes

- 92BL00832 G monspeliensis L.

Arthropodium

- 72GR00215 I G cirrhatum (G.Forst.) R.Br.

Asparagus

- 68GR00814 I G aethiopicus L. 'Sprengeri'

Liliaceae

- 72GR00280 I G setaceus (Kunth) Jessop
- Asperagus**
- 71GR00095 I G officinalis L. var. pseudoscaber (Grec.) Aschers. & Graebn.
- Asphodeline**
- 71ZS00110 I G lutea (L.) Rchb.
- 72BL00229 I G lutea (L.) Rchb.
- Asphodelus**
- 77BL00050 E aestivus Brot. [Italy]
- 64BL00011 I G albus Mill. subsp. albus [PAF]
- Aspidistra**
- 72GR00093 I G elatior Bl.
- 72GR00091 I G elatior Bl. 'Variegata'
- Astroloba**
- 76GR00383 G deltoidea (J.D.Hook.) Uitew.
- 76GR00382 G skinneri (Berger) Uitew.
- Bellevalia**
- 62BL00309 I E romana (L.) Rchb. [EAM Italy]
- 83BL00255 E sarmatica (Pall. ex Georgi) Woronow [Tauris Crimea]
- Bessera**
- 92GR00618 G elegans Schult. f.
- Bowiea**
- 73GR00686 I G volubilis Harv. ex J.D.Hook.
- Brimeura**
- 74BL00130 I G amethystina (L.) Salisb.
- Bulbine**
- 73GR00581 I G alooides (L.) Willd.
- Caliphruria**
- 91GR00301 G E subdentata Baker
- Calochortus**
- 84BL00176 E luteus Dougl. ex Lindl. [California]
- 91BL01788 E macrocarpus Dougl. [Canada]
- Camassia**
- 87BL00563 S leichtlinii (Bak.) S.Wats. [Br. Columbia incl. Charlotte Isl.]
- 65BL00309 I G leichtlinii (Bak.) S.Wats. subsp. suksdorfii (Greenm.) Gould

Liliaceae

- 64BL00392 I G quamash (Pursh) E. Greene
87BL00430 E scilloides (Raf.) Cory [Pennsylvania]
- Cardiocrinum**
87BL00435 G cathayanum
84BL00282 E cordatum (Thunb.) Mak. [Japan]
73BL00087 I G giganteum (Wall.) Mak.
- Chamaelirium**
83BL00243 G luteum (L.) Willd.
- Chionodoxa**
75BL00220 G luciliae Boiss. 'Rosea'
67BL00272 I G V sardensis Barr & Sugd. ex Drude
92BL00199 K spec.
- Chlorophytum**
68GR01557 G bichetii (S. Karrer) Backer
75GR00103 V G comosum (Thunb.) Jacques 'Variegatum'
- Clintonia**
83BL00034 E uniflora (Schult.) Kunth [United States (excl. Alaska)]
- Colchicum**
77BL00356 G agrippinum Bak.
65BL00199 I G autumnale L.
72ZS00040 G autumnale L.
90BL00945 E autumnale L. [Poland]
91ZS01893 U autumnale L.
77BL00357 G bowlesianum Burt
72BL00274 G byzantinum Ker-Gawl. var. byzantinum
71BL00138 I G cilicium (Boiss.) Dammer
83BL00335 G cupanii Guss.
86BL00035 G diampolis Delip. & Cesm.
78BL00419 I G 'Giant'
83BL00383 S haussknechtii Boiss. [Iran]
77BL00191 E lusitanum Brot. [Portugal]
87BL00586 E spec. [Pyrenees]
72BL00275 G speciosum Stev.
77BL00358 G speciosum Stev. 'Album'
- Convallaria**
72BL00062 G majalis L. 'Plena'
90BL01217 U majalis L. 'Rosea'
66BL00445 I G majalis L. s.l.
71BL00415 I G majalis L. s.l.
79ZS00026 I G majalis L. s.l.

Liliaceae

- 60RD00760 I G I **Danae**
racemosa (L.) Moench
- 74GR00756 I G **Dianella**
laevis R.Br.
- 92BL00191 K **Dichelostemma**
congestum (Sm.) Kunth
- 89BL00133 U **Disporum**
smithii (W.J.Hook.) Piper
- 68GR01466 I G **Drimiopsis**
maculata Lindl.
- 78BL00315 E **Eremurus**
brachystemon Vved. [Tadzhikistan]
- 88BL00191 G tianschanica
- Erythronium**
- 86BL00545 E californicum Purdy [R.R. 50490 California]
- 86BL00513 G I caucasicum Woronow
- 87BL00110 E cliftonii [California]
- 71BL00007 G dens-canis L.
- 84BL00301 S dens-canis L. [Carpathians]
- 87BL00105 E dens-canis L. [Spain]
- 90BL00062 S dens-canis L. [Hungary]
- 86BL00104 E helenae Appleg. [United States (excl. Alaska)]
- 86BL00547 E helenae Appleg. [RR&KZ 50452 California]
- 82BL00042 E howellii S.Wats. [Oregon]
- 87BL00159 E japonicum Decne. [Japan]
- 83BL00285 E montanum S.Wats. [Oregon]
- 82BL00046 E multiscapoideum (Kellogg) A.Nels & Kennedy [California]
- 86BL00548 E multiscapoideum (Kellogg) A.Nels & Kennedy [WROD
United States (excl. Alaska)]
- 87BL00114 E multiscapoideum (Kellogg) A.Nels & Kennedy [California]
- 65BL00106 I G oregonum Appleg.
- 86BL00159 G oregonum Appleg.
- 86BL00231 E oregonum Appleg. [Br. Columbia incl. Charlotte Isl.]
- 87BL00060 E oregonum Appleg. [Br. Columbia incl. Charlotte Isl.]
- 87BL00092 E oregonum Appleg. [Br. Columbia incl. Charlotte Isl.]
- 87BL00106 E oregonum Appleg. [Br. Columbia incl. Charlotte Isl.]
- 87BL00116 E oregonum Appleg. [Br. Columbia incl. Charlotte Isl.]
- 65BL00313 I G 'Pagoda'
- 87BL00082 G 'Pink Beauty'
- 82BL00044 E revolutum J.E.Sm. [Oregon]
- 86BL00232 E revolutum J.E.Sm. [Canada]

Liliaceae

- 86BL00180 G sibiricum (Fisch. & Mey.) Kryl.
 86BL00525 G sibiricum (Fisch. & Mey.) Kryl.
 87BL00131 G sibiricum (Fisch. & Mey.) Kryl.
 82BL00047 E I tuolumnense Appleg. [California]

Eucharis

- 91GR00310 E V amazonica Lind. & Planch. [Ecuador]
 91GR00296 E V astrophiala (Ravenna) Ravenna [MADISON 2792 Ecuador]
 91GR00306 E V bouchei Woodson & P. Allen [Panama]
 91GR00309 E V bouchei Woodson & P. Allen [Panama]
 91GR00303 E V candida Planch. & Lind. [Ecuador]
 91GR00299 E ferreyrai [PL Peru]
 77GR00250 I G x grandiflora Planch. & Lind.
 91GR00292 U x grandiflora Planch. & Lind.
 91GR00293 E x grandiflora Planch. & Lind. [MEEROW 1127 Colombia]
 91GR00305 E mastersii Baker [Ecuador]
 91GR00307 E VR plicata Meerow subsp. plicata [MEEROW 1025 Peru]
 91GR00304 U V sanderi Baker
 91GR00294 E spec. [Ecuador]
 91GR00295 U spec.
 91GR00302 U spec.
 91GR00308 U spec.

Eucomis

- 77GR00115 I G comosa (Houtt.) Wehrh.

Eucrosia

- 91GR00297 E V dodsonii Meerow & Dehgan [Ecuador]
 91GR00298 E spec. [Ecuador]

Fritillaria

- 68BL00064 E camtschatcensis (L.) Ker-Gawl.
 82BL00240 E cirrhosa D. Don [Nepal]
 70BL00056 I G R elwesii Boiss.
 87BL00671 S gibbosa Boiss.
 87BL00672 S gibbosa Boiss.
 64BL00251 I E graeca Boiss. & Sprun. [Greece]
 64BL00388 I E lanceolata Pursh [Canada]
 67BL00129 I G lusitanica Wikstr.
 77BL00192 E lusitanica Wikstr. [Portugal]
 67BL00262 I G meleagris L. subsp. meleagris
 67BL00219 I G messanensis Raf. subsp. messanensis
 72BL00235 I E orientalis Adams [Balkan]
 65BL00514 I G V pallidiflora Schrenk
 67BL00229 I G pontica Wahlenb.
 86BL00440 E pudica (Pursh) K. Spreng. [Br. Columbia incl. Charlotte Isl.]

Liliaceae

- 68BL00012 I E pyrenaica L. [EAM Spain]
 75BL00079 E I raddeana Regel ex Batal. [Iran]
 77BL00382 N I raddeana Regel ex Batal. [Iran]
 66BL00299 I S ruthenica Wikstr. [Caucasus]
 68BL00071 I G tubiformis Gren. & Godr.
- Galtonia**
 73ZS00077 I G candicans (Bak.) Decne.
- Gasteria**
 76GR00358 G acinacifolia (Jacq.) Haw.
 76GR00360 G armstrongii Schoenl.
 76GR00391 G pulchra (Ait.) Haw.
 76GR00392 G verrucosa (Mill.) Duval var. intermedia (Haw.) Haw.
 76GR00355 G verrucosa (Mill.) Duval var. verrucosa
- Gloriosa**
 77GR00234 G rothschildiana O'Brien
- Haworthia**
 76GR00371 I G attenuata Haw. f. clariperla (Haw.) Bayer
 76GR00368 I G batesiana Uitew.
 76GR00527 I G bolusii Bak.
 76GR00384 I G glauca Bak. var. glauca
 76GR00366 I G limifolia Marl. var. limifolia
 76GR00386 I G nigra (Haw.) Bak.
 76GR00396 I G reinwardtii (Salm-Dyck) Haw. var. reinwardtii
- Heloniopsis**
 85BL00196 K orientalis (Thunb.) T.Tanaka var. breviscapa (Maxim.) Ohwi
- Hemerocallis**
 71ZS00108 I G citrina Baroni
 71ZS00109 I G dumortieri C.Morr.
 79ZS00018 S middendorffii Trautv. & Mey. var. esculenta (Koidz.) Ohwi [Sakhalin]
 65BL00107 G middendorffii Trautv. & Mey. var. middendorffii
 69BL00318 G 'Sammy Russell'
- Hosta**
 85ZB00068 I N (Plantaginea-hybr.) 'Royal Standard'
 85ZB00073 I G albomarginata (W.J. Hook.) Ohwi 'Kabitan'
 85ZB00065 I N albomarginata (W.J. Hook.) Ohwi 'Snowflakes'
 85ZB00070 I G albomarginata (W.J. Hook.) Ohwi f. spatulata (Miq.) Hensen
 85ZB00064 I G albomarginata (W.J. Hook.) Ohwi 'White Trumpets'

Liliaceae

- 85ZB00072 I G capitata (Koidz.) Nakai
 90ZB00693 G clausa Nakai var. normalis F. Maekawa
 85ZB00054 I G crispula F. Maekawa
 85ZB00056 I N elata Hyl.
 85ZB00057 I U fortunei (Bak.) L.H. Bailey 'Albopicta'
 85ZB00058 I N fortunei (Bak.) L.H. Bailey 'Aureomarginata'
 85ZB00052 G fortunei (Bak.) L.H. Bailey 'Helen Field Fisher'
 85ZB00059 I G fortunei (Bak.) L.H. Bailey var. hyacinthina Hyl.
 85ZB00053 I K fortunei (Bak.) L.H. Bailey 'Marginato-Alba'
 85ZB00062 I N lancifolia (Thunb.) Engl.
 85ZB00076 I G minor (Bak.) Nakai
 85ZB00066 I G nakaiana F. Maekawa
 90ZB00286 K nigrescens F. Maekawa
 85ZB00071 G 'Purple Dwarf'
 85ZB00067 I G rectifolia Nakai var. chionea F. Maekawa
 85ZB00069 I N rectifolia Nakai 'Yellow Surprise'
 85ZB00074 I G rupifraga Nakai
 71ZS00107 I G sieboldiana (W.J. Hook.) Engl. 'Elegans'
 85ZB00055 I K sieboldiana (W.J. Hook.) Engl. 'Lilac Giant'
 85ZB00061 I K tardiflora (W. Irv.) Stearn
 77ZB00026 I G undulata (Otto & A. Dietr.) L.H. Bailey var. erromena (Stearn) F. Maekawa
 85ZB00060 I G undulata (Otto & A. Dietr.) L.H. Bailey var. erromena (Stearn) F. Maekawa
 73BL00160 G undulata (Otto & A. Dietr.) L.H. Bailey var. undulata
 85ZB00063 I K undulata (Otto & A. Dietr.) L.H. Bailey var. undulata
 85ZB00077 I G ventricosa Stearn
 85ZB00051 I U ventricosa Stearn 'Aureomaculata'
 85ZB00075 I U ventricosa Stearn 'Aureomarginata'
- Hyacinthoides**
- 78BL00426 G hispanica (Mill.) Rothm. 'Chevithorne'
 69BL00464 G hispanica Mill.) Rothm.. cv.
- Ipheion**
- 68GR00842 I G bivalve (Lindl.) Traub
 65BL00587 I G V uniflorum (Lindl.) Raf.
- Kniphofia**
- 74ZB00013 G 'Jhr. van Tets'
- Korolkowia**
- 83BL00367 G sewerzowii Regel
- Ledebouria**
- 68GR00706 I G socialis (Bak.) Jessop

Liliaceae

Lilium

- 86BL00463 E bosniacum (G. Beck) G. Beck ex Fritsch [Bo-
snia-Hercegovina]
77BL00053 E bulbiferum L. subsp. bulbiferum [Switzerland]
65BL00070 I G bulbiferum L. subsp. croceum (Chaix) Bak.
78BL00172 E bulbiferum L. subsp. croceum (Chaix) Bak. [France]
82BL00060 E candidum L. [Yugoslavia]
65BL00361 G I cernuum Kom.
85BL00222 E chalcedonicum L. [CYT 24460 Greece]
65BL00660 G davidii Duchartre var. willmottiae (Wils.) Raffill
81BL00204 E hansonii Leichtl. [S.Korea]
79ZS00049 G henryi Bak.
65BL00662 G x hollandicum Bergmans ex Stearn 'Erectum'
78BL00242 E I ledebourii (Bak.) Boiss. [Iran]
65BL00113 G leucanthum (Bak.) Bak. var. centifolium (Stapf) Stearn
87BL00150 E martagon L. [Switzerland]
87BL00663 E martagon L. [E.Germany]
78BL00207 G martagon L. 'Album'
88BL00160 G martagon L. var. album
67BL00162 G martagon L. var. cattaniae Vis.
78BL00091 S martagon L. var. cattaniae Vis. [Yugoslavia]
78BL00199 G martagon L. subsp. caucasicum Miscz.
76BL00007 E V martagon L. var. martagon
76BL00011 E V martagon L. var. martagon
65BL00103 I G pardalinum Kellogg
65BL00441 G I parryi S. Wats.
67BL00020 G pennsylvanicum Ker-Gawl.
68BL00116 I G V pomponium L.
78BL00158 S V pomponium L. [France]
85BL00035 E V pomponium L. [Yugoslavia]
64BL00119 I S pyrenaicum Gouan
66BL00304 I G pyrenaicum Gouan
67BL00116 I G regale Wils.
67BL00087 G R rhodopaeum Delip.
88BL00097 E wigginsii [RR&KZ 70686 California]

Liriope

- 68GR01464 I G spicata Lour.

Maianthemum

- 65BL00223 I G bifolium (L.) F.W. Schmidt
78BL00267 E canadense Desf. [Quebec]
86BL00133 E canadense Desf. [Canada]
87BL00404 E canadense Desf. var. interius Fern. [Alberta]
72BL00213 E dilatatum (Wood) Nels. & Macbr. [N.America]

Liliaceae

- 70BL00126 I G **Melanthium**
virginicum L.
- 68BL00135 I E **Merendera**
pyrenaica (Pourr.) P.Fourn. [Portugal]
- Muscari**
- 77BL00390 I G armeniacum Leicht. ex Bak. var. armeniacum
75BL00214 I G armeniacum Leicht. ex Bak. 'Blue Spike'
77BL00260 G atropatanum Grossh.
69BL00462 I G aucheri Boiss.
89BL00155 K botryoides (L.) Mill. emend. DC. 'Album'
77BL00417 I G botryoides (L.) Mill. emend. DC. var. botryoides
77BL00261 G caucasicum Bak.
65BL00300 I E comosum (L.) Mill. [FROMME Switzerland]
69BL00496 I G R latifolium J. Kirk
62BL00299 I E neglectum Guss. ex Ten. [EAM Spain]
64BL00402 I G paradoxum (Fisch. & Mey.) Boiss.
64BL00409 I G pycnanthum K. Koch
- Nomocharis**
- 92BL00006 K saluenensis Balf.f.
- Ophiopogon**
- 68GR01546 I G jaburan (Sieb.) Lodd.
75GR00104 I G jaburan (Sieb.) Lodd. 'Vittatus'
74GR00710 G japonicus (L.f.) Ker-Gawl.
91BL01048 K japonicus (L.f.) Ker-Gawl. 'Minor'
84BL00555 G planiscapus Nakai 'Arabicus'
- Ornithogalum**
- 89BL00112 N angustifolium Bor. [CYT 18972]
89BL00115 N angustifolium Bor. [CYT 25693]
89BL00116 N angustifolium Bor. [CYT 26769]
89BL00119 N angustifolium Bor. [CYT 27767]
91BL00856 G arianum Lipsky ex B.Fedtsch.
69BL00480 G balansae Boiss.
67BL00300 I E collinum Guss. [Yugoslavia]
78BL00363 S fimbriatum Willd. [European Russia]
77BL00020 G magnum Krasch. & Schischk.
69BL00491 G nutans L.
89BL00117 N nutans L. [CYT 26885]
89BL00118 N nutans L. [CYT 27443]
84BL00302 S orthophyllum Ten. subsp. kochii (Parl.) Zahar. [Asiatic Russia]
89BL00113 N platyphyllum Boiss. [CYT 23396]
62BL00310 I E pyramidale L. [EAM Spain]

Liliaceae

83BL00450	E	pyrenaicum L.
91BL00407	S	pyrenaicum L.
83BL00308	S	schmalhauseni Alboff [<u>Asiatic Russia, Arctic Isls.</u>]
68BL00137	I E	sphaerocarpum A.Kern. [<u>GR&SM Crete</u>]
64BL00395	I E	umbellatum L. [<u>France</u>]
69BL00484	G	umbellatum L.

Paradisea

68BL00134	I E	lusitanica (Coutinho) Sampaio [<u>Portugal</u>]
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Paris

71BL00018	E	quadrifolia L. [<u>Austria</u>]
88BL00187	E	quadrifolia L. [<u>Norway</u>]

Phaedranassa

91GR00311	G	chlorantha Sealy
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Polygonatum

77BL00339	E	biflorum (Walt.) Elliott [<u>North Carolina</u>]
79BL00383	E	biflorum (Walt.) Elliott [<u>Indiana</u>]
70BL00156	I G	commutatum (Schult.f.) A.Dietr.
84BL00432	I K	hookeri Bak.
75BL00179	G	humile Fisch. ex Maxim.
71BL00019	E	latifolium (Jacq.) Desf. [<u>Austria</u>]
71BL00076	E	multiflorum (L.) All.
79ZS00055	G	multiflorum (L.) All.
91ZS01900	U	multiflorum (L.) All.
71BL00020	E	odoratum (Mill.) Druce var. odoratum [<u>Austria</u>]
71ZS00105	I G	odoratum (Mill.) Druce var. odoratum
86BL00369	E	odoratum (Mill.) Druce var. pluriflorum (Miq.) Ohwi [<u>S.Korea</u>]
79BL00326	E	pubescens (Willd.) Pursh [<u>New York, incl. Long Island</u>]
90BL01218	U	spec.
67BL00288	I E	verticillatum (L.) All. [<u>The Netherlands</u>]

Puschkinia

69BL00459	I G	scilloides Adams var. libanotica (Zucc.) Boiss.
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Rohdea

75GR00336	I G	japonica (Thunb.) Roth
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Ruscus

76GR00085	I G	aculeatus L.
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Scilla

79BL00275	S	autumnalis L. [<u>Greece</u>]
83BL00386	S	autumnalis L. [<u>France</u>]

Liliaceae

- 67BL00276 I E bifolia L. [Turkey (Asia Minor)]
 87BL00673 S hohenackeri [Iran]
 69BL00454 I G R litardierei Breistr.
 86BL00038 E R litardierei Breistr. [MPR 7906 Yugoslavia]
 69BL00474 I G I mischtschenkoana Grossh.
 86BL00473 E monophyllos Link [Portugal]
 69BL00463 G non-scripta (L.) Hoffmgg. & Link
 64BL00352 I G pratensis Waldst. & Kit.
 86BL00568 G rosenii K.Koch
 69BL00404 I G X scilloides (Lindl.) Druce
 69BL00453 I G sibirica Andr.
 87BL00574 E spec. [The Netherlands]

Semele

- 73GR00533 G V androgyna (L.) Kunth

Smilacina

- 64BL00394 I G racemosa (L.) Desf.
 73ZS00037 I G stellata (L.) Desf.
 78BL00301 E stellata (L.) Desf. [Ontario]

Streptopus

- 78BL00118 E amplexifolius (L.) DC.

Tofieldia

- 77BL00282 I E calyculata (L.) Wahlenb. [Y 16606 Italy]
 83BL00458 E calyculata (L.) Wahlenb. [N 8305 Switzerland]

Tricyrtis

- 88BL00409 E dilatata [S.Korea]
 66BL00257 I G ferrosana Bak.
 65BL00652 I G hirta (Thunb.) W.J.Hook.
 67BL00209 I G latifolia Maxim.
 84BL00495 G V macranthopsis Masam.
 81BL00135 G macropoda Miq.
 84BL00496 G nana Yatabe
 86BL00420 K ohsumiensis Masam.
 87BL00154 G ohsumiensis Masam.
 72BL00110 G puberula Nakai & Kitagawa
 82BL00038 G puberula Nakai & Kitagawa
 82BL00110 I G puberula Nakai & Kitagawa

TRILLIUM

Introduction

There are many studies concerning the American species of Trill-

ium (e.g. in *The Plantsman; Bull. Am. Rock Garden Soc.*), but the Chinese and Korean species are still under-explored and little studied. Added to this, different views on generic and species circumscription exist, necessitating further study, especially regarding the Asian representatives.

Propagation from seeds of *Trillium* species is a slow and difficult method. Therefore the collection is still in an early phase of development. The situation is further complicated by the fact that almost all specimens offered commercially are collected from the wild (Oldfield 1989). In view of the fact that most *Trillium* are on the CITES-list, it is difficult to acquire wild source material legally. This has seriously hampered our attempts to build up a comprehensive collection so far.

Aims

- 1 Enlarging the collection of the genus.
- 2 Scientific study of the Asian representatives of the genus.

Programme

Adding material from natural habitats to the collection, as well as from cultivated origin. *Trillium* species are very variable, which means that much material from wild source of each species is needed to acquire a complete picture of both number of species and their infraspecific variability.

Location

Woodland Section at Fort Hoofddijk.

Trillium

86BL00526	G	<i>camschatcense</i> Ker-Gawl.
86BL00179	G	<i>cernuum</i> L.
84BL00097	G	<i>chloropetalum</i> (Torrey) Howell var. <i>chloropetalum</i>
91BL01051	I G	<i>chloropetalum</i> (Torrey) Howell var. <i>chloropetalum</i>
85BL00194	I K	<i>erectum</i> L.
86BL00098	G	<i>erectum</i> L.
86BL00135	E	<i>erectum</i> L. [Quebec]
86BL00072	G	<i>erectum</i> L. 'Album'
91BL01050	I G	<i>erectum</i> L. cv.
82BL00013	I E	<i>flexipes</i> Raf. [Michigan]
65BL00665	I G	<i>grandiflorum</i> (Michx.) Salisb.
85BL00193	I K	<i>grandiflorum</i> (Michx.) Salisb.
86BL00427	I E	<i>grandiflorum</i> (Michx.) Salisb. [Ohio]

Liliaceae

- 85BL00105 I G kurabayashii Freeman
 86BL00123 G ludovicianum Harb.
 84BL00027 G ovatum Pursh
 86BL00093 E ovatum Pursh [Br. Columbia incl. Charlotte Isl.]
 86BL00124 G ovatum Pursh
 87BL00085 G ovatum Pursh f. hibbersonii Taylor & Szczawinski
 91BL00350 G ovatum Pursh f. hibbersonii Taylor & Szczawinski
 82BL00039 I E parviflorum Soukup [CORBET Washington]
 87BL00130 G recurvatum G.Beck
 86BL00125 G rivale S.Wats.
 86BL00126 G sessile L.
 90BL01147 K spec.
 86BL00418 K tschonokii Maxim.
 91BL00352 G vaseyi
 88BL00053 G viride L. Beck var. luteum (Muhlenb.) Gleason
 91BL00351 G viride L. Beck var. luteum (Muhlenb.) Gleason

Triteleia

- 73BL00152 I G laxa Benth.

Tulipa

- 72BL00195 E australis Link
 69BL00471 G batalinii Regel
 77BL00391 G K biflora Pall.
 92BL00189 K K biflora Pall.
 79BL00342 E boeotica Boiss. & Heldr. [Yugoslavia]
 69BL00468 I G clusiana DC. var. clusiana
 69BL00489 I G fosteriana Th.Hoog ex W.Irv. 'Princeps'
 69BL00500 G fosteriana Th.Hoog ex W.Irv. 'Purissima'
 79BL00405 E I greigii Regel [Asiatic Russia]
 72BL00279 I G hageri Heldr.
 92BL00196 K humilis 'Liliput'
 79BL00387 G karabachensis A.Grossh.
 69BL00497 G kaufmanniana Regel 'Heart's Delight'
 77BL00394 G kolpakowskiana Regel
 84BL00253 E korshinskyi Vved. [Tadzhikistan]
 77BL00415 G R maximowiczii Regel
 87BL00675 S micheliana Hoog
 90BL00948 E montana Lindl. [Iran]
 92BL00190 K montana Lindl.
 84BL00198 E persica (Lindl.) Sweet [Turkey (Asia Minor)]
 77BL00416 G saxatilis Sieb.
 90BL00940 E spec. [Bulgaria]
 84BL00246 G X sprengeri Bak.
 69BL00485 I G stellata W.J.Hook. var. chrysantha Hall
 86BL00474 E sylvestris L. subsp. australis (Link) Pamp. [Portugal]
 87BL00676 S systola Stapf

Liliaceae

- 69BL00477 I G R tarda Stapf
 86BL00203 S R tarda Stapf [Kazakhstan]
 79BL00314 E tschimganica Z.Botsch. [Kirgiziya]
 69BL00457 I G turkestanica (Regel) Regel
 84BL00452 E turkestanica (Regel) Regel [Uzbekistan]
 69BL00460 G N undulatifolia Boiss.
 86BL00573 E N undulatifolia Boiss. [Turkey (Asia Minor)]
 77BL00395 I G urumiensis Stapf
 77BL00396 I G vvedenskiyi Z.Botsch.

Urceolina

- 91GR00300 E V microcrater Kraenzl. [PL Peru]

Urginea

- 69GR00212 I E maritima (L.) Bak. [Spain]
 92GR00123 E maritima (L.) Bak. [Mallorca]

Uvularia

- 65BL00277 I G grandiflora J.E.Sm.

Veltheimia

- 68GR01452 I G bracteata Harv. ex Bak.

Veratrum

- 65BL00228 I G album L.
 65BL00271 I G nigrum L.

Zigadenus

- 75ZS00038 I G elegans Pursh
 77ZS00040 I G glaucus Nutt.

Limnocharitaceae

Hydrocleys

- 89GR00116 G nymphoides (Willd.) Buchenau

Linaceae

Linum

- 72ZS00036 I S austriacum L. [Rumania]
 70ZE02217 I S bienne Mill. [France]
 80BL00055 E capitatum Kit. ex Schult. [Yugoslavia]
 84BL00208 S V dolomiticum Borb. [Hungary]
 89BL00030 E V dolomiticum Borb. [Hungary]
 83ZS00023 I S flavum L. [Austria]
 71BL00051 E perenne L. subsp. alpinum (Jacq.) Ockendon
 84BL00427 E suffruticosum L. subsp. salsoloides (Lam.) Rouy [Italy]

Linaceae

- 83BL00130 G E tauricum Willd.
 83BL00249 G E tauricum Willd.
 53ZE01019 I G usitatissimum L.

Loasaceae

- 53ZE00859 I G **Blumenbachia**
 hieronymi Urb.

- 71ZE00830 I E **Caiophora**
 hibiscifolia (Griseb.) Urb. & Gilg [HAWK 3692 Argentina]
 54ZE02173 I G lateritia (W.J.Hook.) Klotzsch

- 53ZE00862 I G **Loasa**
 triphylla Juss. var. vulcanica (Andre) Urb. & Gilg

- 91ZE01447 E **Mentzelia**
 laevicaulis (Dougl.) Torr. [California]
 91ZE00714 I G lindleyi Torr. & A. Gray

Loganiaceae

- 66GR01753 I E **Strychnos**
 brasiliensis (Spreng.) Mart. [L&HAAS 8 Brazil]
 89GR00054 E nux-vomica L. [India]

Lomariopsidaceae

- 86GR00098 G **Bolbitis**
 86GR00099 E acrostichoides (Sw.) Ching
 bipinnatifida (Mett. ex Kuhn) Ching [WHHD 45 Madagascar]
 86GR00184 E bipinnatifida (Mett. ex Kuhn) Ching [WHHD 45 Seychelles]
 86GR00991 E nicotianifolia (Sw.) Alston [H.- 7075-1 Costa Rica]
 86GR01156 E nicotianifolia (Sw.) Alston [H.- 7159-1 Costa Rica]
 82GR00139 I E repanda (Bl.) Schott [Sulawesi (Celebes)]
 84GR00241 E repanda (Bl.) Schott
 86GR00018 E sinuata (K.B.Presl) Hennipm. [GRL 132 Luzon]
 86GR00026 E sinuata (K.B.Presl) Hennipm. [GRL Luzon]

- 68GR00511 I G **Elaphoglossum**
 81GR00184 E crinitum (L.) Christ
 86GR00196 E spec. [MAAS Guyana]
 spec. [GRL 150B Phillippines]

- 86GR00996 E **Peltapteris**
 spec. [H.- 7078-1 Costa Rica]

Lomariopsidaceae

- 83GR00041 E **unknown**
species 'LOMARI' [Venezuela]

Lythraceae

- Cuphea**
73GR00449 I G hyssopifolia H.B.K.
68GR00050 I G ignea A. DC.
53ZE00761 I G lanceolata W.T. Aiton
87ZE01477 I U procumbens Ortega
89GR00104 K spec.

- Heimia**
76GR00003 I E myrtifolia Cham. & Schlechtend. [JCL 6739 Brazil]
67GR00157 I E salicifolia (H.B.K.) Link [L&HAAS Brazil]

- Lafoensia**
88GR00061 S pacari St.-Hil. [Brazil]

- Lythrum**
90ZE00952 I E hyssopifolia L. [E.Germany]
69BL00311 G 'Robert'
72ZS00034 I G salicaria L.

Magnoliaceae

- Kadsura**
74GR00752 I G japonica (L.) Dun.

- Liriodendron**
84RD00005 G R chinense (Hemsl.) Sarg.
00ZG00065 I G tulipifera L.
00ZG00099 I G tulipifera L.
00ZG00329 I G tulipifera L.
00ZG00879 G tulipifera L.
00ZG00912 I G tulipifera L.
61RD01438 S tulipifera L. [Pennsylvania]
74RD00415 I G tulipifera L.
80RD00534 E tulipifera L. [A 62 Kentucky]
81RD00200 E tulipifera L. [Ontario]
00ZG00892 G tulipifera L. 'Aureomarginatum'
00ZG02002 I G tulipifera L. 'Aureomarginatum'
72RD00267 I G tulipifera L. 'Aureomarginatum'
87RD00336 O tulipifera x L. chinense
87RD00337 O tulipifera x L. chinense
87RD00338 O tulipifera x L. chinense

MAGNOLIA

Introduction

Magnolia has 80 species, of which at least 20 are hardy in our climate, and is distributed throughout North America and Eastern Asia. Usually the hybrids and a few selections of species are grown for cultivation. The species themselves are fairly unknown. Reproduction by means of seeds often gives poor results, since the treatment of the seeds in the International Seeds Exchange usually extremely reduces viability. This is the reason for the very limited genetic basis of *Magnolia* species in collections. The collection in the Von Gimborn Arboretum consists of a few species of fairly unique material, for example a large number of approximately 55-year-old trees of *Magnolia salicifolia* (see photograph in colour section).

In 1991 a collection of magnolias was received from the Research Station for Nursery Stock (Boskoop).

Aims

- 1 Establishment of a complete collection of hardy species, with specimens of natural source.
- 2 Complementing this wild source collection with cultivars to attain a complete survey of hardy magnolias.

Programme

- 1 Introduction of wild source material of species by means of direct contact with gardens and collectors, in order to acquire seeds in good condition.
- 2 planting of species in separate groups of specimens in the arboretum to establish the seed-bank function for the genus.

Location

The *Magnolia* collection is completely housed at the Von Gimborn Arboretum.

Cooperation

The cultivation of *Magnolia salicifolia* is being tested by the Ton van den Oever Nursery in Haaren for qualities as avenue tree. The first aspect being tested is how this species can best be reproduced

Magnoliaceae

vegetatively. Furthermore, experience will be obtained in cultivation and, in a later stage, tests will be carried out in public plantings.

Magnolia

90RD00276	K	(De Vos-hybr.) 'Ann'
86RD00226	K	(De Vos-hybr.) 'Betty'
86RD00227	K	(De Vos-hybr.) 'Jane'
86RD00228	K	(De Vos-hybr.) 'Ricki'
83RD00350	G	(Gresham-hybr.) 'Heaven Scent'
85RD00356	K	(Gresham-hybr.) 'Manchu Fan'
85RD00357	K	(Gresham-hybr.) 'Peppermint Stick'
91RD01854	I K	(Gresham-hybr.) 'Raspberry Ice'
85RD00365	K	(Gresham-hybr.) 'Royal Crown'
91RD01853	I K	(Kosar-hybr.) 'Spectrum'
83RD00355	G	(Kosar-hybr.) 'Susan'
00ZG00961	I G	acuminata (L.) L.
62RD00405	G	acuminata (L.) L.
74RD00140	I G	acuminata (L.) L.
85RD00367	K	acuminata (L.) L. var. cordata (Michx.) Sarg.
80RD00261	E	biloba Cheng [<u>Zhejiang</u>]
91RD01834	I K	x brooklynensis Kalmbacher
60RD00525	G	denudata Desr.
72RD00270	I G	denudata Desr.
91RD01836	I K	denudata Desr. 'Purple Eye'
91RD01849	I K	'Firefly'
91RD01850	I K	'Garnet'
83RD00353	G	'George Henry Kern'
75GR00150	I U	grandiflora L.
91RD01210	G	grandiflora L.
00ZG01142	I G I	hypoleuca Sieb. & Zucc.
67RD00058	G I	hypoleuca Sieb. & Zucc.
91RD01851	I K	'Iolanthe'
90RD00376	G	kobus DC. var. borealis Sarg.
91RD01837	I K	kobus DC. var. borealis Sarg.
91RD01838	I K	kobus DC. var. borealis Sarg.
70RD00002	I G	kobus DC. var. kobus
83RD00352	G	kobus DC. var. kobus
84RD00437	G	kobus DC. var. kobus
85RD00237	G	kobus DC. var. kobus [<u>S.Korea</u>]
71RD00010	I G	liliflora Desr.
86RD00245	K	liliflora Desr. 'Nigra'
86RD00287	K	liliflora Desr. 'Nigra'
91RD01835	I K	liliflora Desr. 'Nigra'
91RD01852	I K	'Lillaney'
83RD00349	G	x loebneri Kache 'Leonard Messel'
90RD00377	G	macrophylla Michx.

Magnoliaceae

- 83RD00215 G officinalis Rehd. & Wils.
 88RD00125 K 'Ruby'
 92RD01106 G salicifolia (Sieb. & Zucc.) Maxim.
 1 of 12 accessions sharing this taxon are listed above
 60RD00753 G sieboldii K. Koch
 74RD00442 I G sieboldii K. Koch
 81RD00144 E sieboldii K. Koch [S.Korea]
 84RD00438 G sieboldii K. Koch
 85RD00188 E sieboldii K. Koch [S.Korea]
 74RD00390 I G x soulangiana J.F.E. Hamelin
 81RD00441 G x soulangiana J.F.E. Hamelin
 86RD00244 K x soulangiana J.F.E. Hamelin
 90RD00279 K x soulangiana J.F.E. Hamelin
 85RD00361 K x soulangiana J.F.E. Hamelin 'Brozzonii'
 91RD01840 I K x soulangiana J.F.E. Hamelin 'Burgundy'
 91RD01841 I K x soulangiana J.F.E. Hamelin 'Dorsopurpurea'
 85RD00363 K x soulangiana J.F.E. Hamelin 'Lennei'
 91RD01842 I K x soulangiana J.F.E. Hamelin 'Lombardy Rose'
 91RD01843 I K x soulangiana J.F.E. Hamelin 'Rose Superb'
 91RD01844 I K x soulangiana J.F.E. Hamelin 'Superba'
 80RD00552 G spec. [A 35]
 85RD00370 K sprengeri Pamp.
 86RD00079 E sprengeri Pampan. var. diva (Stapf) Johnstone [China]
 86RD00217 E sprengeri Pampan. var. diva (Stapf) Johnstone
 81RD00442 G stellata (Sieb. & Zucc.) Maxim.
 90RD00234 K stellata (Sieb. & Zucc.) Maxim.
 91RD01845 I K stellata (Sieb. & Zucc.) Maxim. 'Massey'
 91RD01846 I K stellata (Sieb. & Zucc.) Maxim. 'Rosea'
 91RD01847 I K stellata (Sieb. & Zucc.) Maxim. 'Rosea'
 88RD00126 K stellata (Sieb. & Zucc.) Maxim. 'Royal Star'
 86RD00241 K stellata (Sieb. & Zucc.) Maxim. 'Water Lily'
 00ZG00209 I G tripetala (L.) L.
 65RD00047 I G tripetala (L.) L.
 65RD00188 G tripetala (L.) L.
 70RD00003 G tripetala (L.) L.
 00ZG01144 I G virginiana L.
 78RD00068 E virginiana L. [New Jersey]
 91RD01848 I K virginiana L.
 80RD00202 G V wilsonii (Finet & Gagnep.) Rehd.

Malpighiaceae

- Bunchosia**
 67GR00279 I E armeniaca (Cav.) DC. [JCL Peru]
Heteropteris
 90GR00515 G angustifolia Griseb.

Malpighiaceae

- Malpighia**
 68GR01545 I G glabra L.
 91GR01627 G puniceifolia L.
- Mascagnia**
 89GR00094 S E guianensis W.R. Anderson [MJJ 1957 Guyana]

Malvaceae

- Abutilon**
 76GR00608 I G megapotamicum (Spreng.) St.-Hil. & Naud. 'Variegatum'

- Alcea**
 91ZE00550 G rosea L.
 91ZE00660 G rosea L.
 91ZE00661 G rosea L. 'Nigra'
 92ZE00306 G rugosa Alef.

- Althaea**
 91ZS00690 G cannabina L.
 91ZS00779 S cannabina L. [Yugoslavia]
 92ZE00128 G hirsuta L.
 92ZE00528 E hirsuta L. [France]
 75ZS00122 I G officinalis L.
 91ZS01760 U officinalis L.
 76ZS00023 G sinensis Cav.

- Alyogyne**
 91GR01813 I G huegelii (Endl.) Fryxell

- Anisodontea**
 90GR00157 G capensis (L.) D.M. Bates

- Anoda**
 63ZE00846 I G cristata (L.) Schlechtend.

- Goethea**
 84GR00423 G strictiflora W.J.Hook.

- Gossypium**
 69GR00169 I G arboreum L.

- Hibiscus**
 75ZS00123 I G moscheutos L.
 77GR00244 G rosa-sinensis L. 'Calleri'
 68GR00285 I G rosa-sinensis L. 'Cooperi'
 77GR00235 I G rosa-sinensis L. cv.

Malvaceae

- 68GR00797 G rosa-sinensis L. 'Kermesinus'
- 76GR00599 I G rosa-sinensis L. 'Puniceus-Plenus'
- 78GR00174 I G schizopetalus (Mast.) J.D.Hook.
- 86RD00306 K sinosyriacus L.H.Bailey
- 80RD00550 E spec. [A 57 Kentucky]
- 91RD01017 K syriacus L. 'Ardens'
- 79RD00508 G syriacus L. 'Hamabo'
- 91RD01016 K syriacus L. 'Hamabo'
- 91RD01013 K syriacus L. 'Lady Stanley'
- 91RD01018 K syriacus L. 'Mauve Queen'
- 69RD00167 I G syriacus L. 'Oiseau Bleu'
- 72RD00243 G syriacus L. 'Oiseau Bleu'
- 91RD01012 K syriacus L. 'Oiseau Bleu'
- 69RD00169 I G syriacus L. 'Red Heart'
- 65RD00077 G syriacus L. 'Rubis'
- 69RD00168 I G syriacus L. 'Rubis'
- 91RD00287 K syriacus L. 'Speciosus'
- 91RD01014 K syriacus L. 'Violet Clair Double'
- 91RD01019 K syriacus L. 'William R.Smith'
- 79RD00511 G syriacus L. 'Woodbridge'
- 90RD00283 K syriacus L. 'Woodbridge'
- 91RD01015 K syriacus L. 'Woodbridge'
- 88GR00149 E tiliaceus L. [Papua Nw Guinea]
- 91GR00880 E tiliaceus L. [French Guiana]
- 53ZE00681 I G trionum L.
- Kitaibela**
- 71ZS00099 I G vitifolia Willd.
- Lavatera**
- 88ZS00028 G thuringiaca L. subsp. thuringiaca
- 84ZE02165 I G trimestris L.
- Malachra**
- 92GR00984 G capitata (L.) L.
- Malope**
- 69ZE01411 I G trifida Cav.
- Malva**
- 80ZS00010 I E moschata L. [France]
- 92ZS00442 E moschata L. [France]
- 83ZE00353 I E neglecta Wallr. [W.Germany]
- 82ZE02166 I G pusilla J.E. Sm.
- 83ZE00355 E sylvestris L. subsp. sylvestris [E.Germany]
- 91ZE01609 G sylvestris L. subsp. sylvestris

Malvaceae

- Malvastrum**
67GR00037 I E coromandelianum (L.) Garcke [JCL Brazil]
- Malvaviscus**
76GR00059 I G arboreus Cav.
- Modiola**
56ZE02379 I G caroliniana (L.) G. Don
- Pavonia**
68GR01510 I G praemorsa (L.f.) Cav.
- Plagianthus**
69GR00232 E divaricatus J.R. & G.Forst. [New Zealand, South Isl.]
- Sida**
75ZS00019 I G hermaphrodita (L.) Rusby
91GR01628 G rhombifolia L.
- Sidalcea**
73ZS00034 I G candida A.Gray
73ZS00033 I G neomexicana A.Gray var. parviflora (Greene) Roush
- Tarasa**
90GR00355 E operculata (Cav.) Krapov. [Peru]
- Thespesia**
88GR00124 E populnea (L.) Soland. ex Corrêa [LUKK. St. Eustatius]
- Triplochlamys**
88GR00259 G multiflora (Juss.) Ulbr.
- Urena**
91GR00590 E lobata L. [Nepal]
92GR00179 E lobata L. [Honshu]
- Marantaceae**
- Ataenidia**
72GR00199 I G conferta (Benth.) Milne-Redh.
- Calathea**
88GR00215 S K argyrophylla (Lind. ex K.Koch) L.H. Bailey
91GR00509 S E elliptica (Rosc.) K. Schum. [MJJ 2348 Guyana]
72GR00196 I G lancifolia Boom
68GR01047 I G lietzei E.Morr.
89GR00002 K lietzei E.Morr. 'Greenstar'

Marantaceae

- 70GR00155 I G lindeniana Wallis
 68GR01015 V G lucianii (Lind.) Cogn. & March.
 87GR00264 S E lutea G.F.W. Mey. [MJJ 0963 French Guiana]
 68GR00685 V G majestica (Lind.) 'Roseo-Lineata'
 72GR00185 I G makoyana E.Morr.
 72GR00184 I G musaica (Bull) L.H. Bail.
 73GR00142 G nigrocostata Lind. & Andre
 92GR00572 G ornata (Lind.) Koern.
 75GR00240 I G picturata (Lind.) K.Koch & Lind. 'Argentea'
 75GR00366 G reticulata
 79GR00072 I N sophiae Huber [PL 5044 Peru]
 79GR00067 N spec. [PLKENN 575 Peru]
 86GR00522 E spec. [H.- 6639-1 Costa Rica]
 73GR00143 I N undulata Lind. & Andre [Belgium]
 83GR00260 I G vaginata O.G.Peters.
 73GR00141 I N varians Koern. [Belgium]
 90GR00485 K variegata Koern.
 73GR00343 I E warscewiczii (Mathieu ex Planch.) Koern. [KENN Panama]
 89GR00005 K 'Wavestar'
 72GR00190 I G zebrina (Sims) Lindl.
 89GR00006 K zebrina (Sims.) Lindl. 'Redstar'

Ctenanthe

- 75GR00117 I G burle-marxii Kennedy
 89GR00003 K 'Greystar'
 72GR00189 I G kummerana (E.Morr.) Eichl.
 72GR00194 I G oppenheimiana (E.Morr.) K.Schum.
 68GR01034 I G oppenheimiana (E.Morr.) K.Schum. 'Variegata'
 89GR00007 K pilosa (Schau.) Eichl. 'Golden Mosaic'
 73GR00228 E spec. [Argentina]

Ischnosiphon

- 70GR00157 I G ovatus Koern.

Maranta

- 68GR01004 I G bicolor Ker-Gawl.
 72GR00193 I G depressa E.Morr.
 72GR00180 I G leuconeura E.Morr. 'Kerchoveana'

Marantochloa

- 68GR00897 I E I congensis (K.Schum.) J.J.Leonard & Mullensers [LEEU W. Trop. Africa]

Sarcophrynium

- 72GR00188 I E brachystachyum (Benth.) K.Schum. var. brachystachyum [BRET 166 Cameroun]

Marantaceae

Stromanthe

- 89GR00004 K sanguinea (W.J. Hook.) Sond. 'Stripestar'
 73GR00140 G schottiana (Koern.) Eichl.
 84GR00021 S E tonckat (Aubl.) Eichl. [JJDG 6325 French Guiana]

Marattiaceae

Marattia

- 86GR00629 E spec. [H.- 6812-1 Costa Rica]
 87GR00113 E spec. [H.- 7836-01 Philippines]

Marcgraviaceae

Marcgravia

- 66GR01581 I E polyantha Delpino [JCL 1357 Brazil]
 69GR00194 G spec.
 88GR00273 U spec.

Marcgraviastrum

- 80GR00273 I E sodiroi (Gilg) Bedell [MAAS 4745 Ecuador]

Souroubea

- 76GR00102 E spec. [PLKENN N53 Peru]

Marsileaceae

Marsilea

- 68GR01517 G drummondii A.Br.

Melastomataceae

Amphiblemma

- 69GR00069 I G cymosum (Schrad. & J.C. Wendl.) Naud.

Dissotis

- 69GR00196 I E rotundifolia (J.E.Sm.) Triana var. prostrata (Thonn.)
 Jacq.-Fél. [Tropical Africa]

Heterocentron

- 75GR00295 I G subtriplinervium (Link & Otto) A.Br.

Medinilla

- 68GR00712 I G V magnifica Lindl.
 75GR00229 G myriantha Merr.
 69GR00219 I G scortechinii King
 72GR00393 I G venosa Bl.

Melastomataceae

84GR00020 S E **Miconia**
ceramicarpa (DC.) Cogn. var. ceramicarpa [JJDG 6299
French Guiana]

89GR00102 S E **Rhynchanthera**
grandiflora (Aublet) DC. [MJJ 1874 Guyana]

74GR00477 I G **Tibouchina**
urvilleana (DC.) Cogn.

Meliaceae

90GR00504 G **Azadirachta**
indica A. Juss.

90GR00347 E **Carapa**
guianensis Aubl. [Guyana]

66GR01824 I E **Guarea**
macrophylla Vahl subsp. tuberculata (Vell.) Pennington
[JCL 2114 Brazil]

75GR00127 I E **Melia**
sempervirens Sw. [FROMME 9 Phillippines]

78GR00222 E **Swietenia**
macrophylla King [Venezuela]

00ZG00975 G **Toona**
sinensis (A. Juss.) M. J. Roem.
90RD00219 K sinensis (A. Juss.) M. J. Roem.

68GR00851 I G **Trichilia**
trifolia L. subsp. trifolia

Menispermaceae

73GR00482 I G **Cocculus**
laurifolius DC.
77GR00546 I E trilobus (Thunb.) DC. [Japan]

61RD00516 I G **Menispermum**
canadense L.

91GR00766 E **Sinomenium**
acutum (Thunb.) Rehd. & Wils. [Japan]

Menispermaceae

- Stephania**
 80GR00388 E japonica (Thunb.) Miers [KUK 7928 Taiwan (incl. Penghuleidao & Lan Yu)]
- Tinospora**
 68GR00370 I G tuberculata (Lam.) Beumee
- unknown**
 80GR00387 E species 'MENISP' [KUK 8111 Taiwan (incl. Penghuleidao & Lan Yu)]

Mimosaceae

- Acacia**
 68GR00723 I G farnesiana (L.) Willd.
 75GR00146 G oxycedrus Sieber ex DC.
- Albizia**
 92GR00329 G julibrissin Durazz.
 92GR00718 K julibrissin Durazz.
- Calliandra**
 68GR01006 G emarginata Benth.
 69GR00238 I G tweedii Benth.
- Cathormion**
 64GR00082 I E altissimum (J.D. Hook.) Hutchins. & Dandy [LEEU U4023 Ivory Coast]
- Mimosa**
 88GR00191 I E pudica L. [MJJ French Guiana]
- Parkia**
 90GR00576 E biglobosa Benth. [Guinea]
- unknown**
 88GR00056 E species 'MIMOSA' [Virgin Isl., Anegada]

Molluginaceae

- Corbichonia**
 88GR00096 E decumbens (Forssk.) Exell [Mozambique]
- Mollugo**
 88ZS00050 E verticillata L. [Michigan]
 89ZE00019 E verticillata L. [Michigan]

MORACEAE

As announced in the previous Catalogue, this specialization has been reduced in size and composition. A complete set of all specimens present in the collection, have been moved to the Botanical Garden of Bergen University, Norway, where Prof. Dr. C.C. Berg carries on with his research on this family.

Of the remaining duplicates and triplicates, a number of specimens were given in long-term loan to "Burger's Bush and Zoo", Arnhem, where these plants can develop more fully. Furthermore, specimens were given on long-term loan to the Botanic Garden of Amsterdam "Hortus Plantage".

The representatives of the genus *Cecropia*, now split off as a separate family, *Cecropiaceae*, remains at Utrecht Botanic Gardens. Although our *Cecropia* collection remains a relatively large collection in comparison to what is usually present in botanic gardens collections, we no longer consider it correct to list this as a specialization, since no research is carried out on the collection, and further reduction in size of the collection is to be expected.

Moraceae

- | | | | |
|-----------|-----|-----------------------------------------------------------------------------------------|--|
| | | Antiaris | |
| 74GR00072 | E | <i>africana</i> Engl. [<u>Liberia</u>] | |
| 82GR00304 | I E | <i>toxicaria</i> (Pers.) Lesch. subsp. <i>welwitschii</i> [BG 1493 <u>Ivory Coast</u>] | |
| | | Artocarpus | |
| 86GR00087 | G | <i>altilis</i> (Parkins. ex Du Roi) Fosb. | |
| | | Broussonetia | |
| 78RD00382 | G | <i>kazinoki</i> Sieb. & Zucc. | |
| 77RD00510 | I G | <i>papyrifera</i> (L.) Vent. | |
| 91RD00884 | K | <i>papyrifera</i> (L.) Vent. | |
| | | Clarisia | |
| 83GR00263 | S E | <i>biflora</i> Ruiz & Pav. [BG 1504 <u>Venezuela</u>] | |
| | | Cudrania | |
| 91RD00893 | K | <i>tricuspidata</i> (Carr.) Bur. ex Lavallée | |
| | | Dorstenia | |
| 92GR00570 | G | <i>argentata</i> J.D. Hook. | |
| 84GR00410 | I G | <i>bahiensis</i> Klotzsch ex Fisch. & Mey. | |
| 80GR00214 | I G | <i>barteri</i> Bur. var. <i>multiradiata</i> M.Hijman & C.C.Berg | |

Moraceae

- 68GR01319 I G brownii Rendle
 79GR00082 I N cayapia Vell. subsp. asaroides (W.J.Hook.) Carauta & C.C.Berg [RATT 266 Brazil]
- 68GR01024 I G contrajerva L.
 79GR00054 G contrajerva L.
 84GR00154 I G contrajerva L.
 68GR01022 V G convexa De Wild. var. convexa
 79GR00183 I G convexa De Wild. var. convexa
 80GR00213 I G convexa De Wild. var. convexa
 81GR00057 G convexa De Wild. var. convexa
 80GR00220 I G convexa De Wild. var. oblonga (Compere) M.Hijman
 86GR00225 I N cuspidata Hochst. ex A.Rich. var. preussii (Engl.) M.Hijman [BOS 1058 Gabon]
- 73GR00157 G drakena L.
 80GR00019 E elliptica Bur. [MH&JW 40 Gabon]
 73GR00158 I G hildebrandtii Engl. var. hildebrandtii
 78GR00283 G hildebrandtii Engl. var. hildebrandtii
 81GR00062 G hildebrandtii Engl. var. hildebrandtii
 75GR00123 I G hildebrandtii Engl. var. schlechteri (Engl.) M.Hijman
 79GR00081 I G hirta Desv.
 80GR00053 I G hirta Desv.
 80GR00215 I G hirta Desv.
 80GR00020 E mannii J.D.Hook. var. mannii [MH&JW 41 Gabon]
 79GR00080 I S psilurus Welw. var. psilurus [Tropical Africa]
 82GR00060 I E psilurus Welw. var. psilurus [BG 1420 Zambia]
 76GR00232 I G psilurus Welw. var. scabra Bur.
 79GR00179 I G psilurus Welw. var. scabra Bur.
 80GR00006 I E psilurus Welw. var. scabra Bur. [MH&JW 33 Cameroun]
 84GR00262 E spec. [MAL 1318 Congo Kinshasa (Zaire)]
 80GR00021 I E tenera Bur. var. obtusibracteata (E.) M.Hijman & C.C.Berg [MH&JW 41 Gabon]
- 76GR00229 I G yambuyaensis De Wild.
- Ficus**
- 82GR00029 I E abutilifolia (Miq.) Miq. [BG 1377 Zambia]
 85GR00069 I U benjamina L.
 90GR00706 I K binnendijkii Miq. 'Amstel Queen'
 71RD00037 I G carica L.
 82GR00023 V E chirindensis C.C.Berg [BG 1355 Zimbabwe]
 82GR00014 I E cordata Thunb. subsp. salicifolia (Vahl) C.C.Berg [BG 1322 Transvaal]
 82GR00045 I E cordata Thunb. subsp. salicifolia (Vahl) C.C.Berg [BG Transvaal]
 82GR00313 S K craterostoma Mildbr. & Burret [BG 1456 Ivory Coast]
 80GR00392 I U cyathistipula Warb.
 82GR00037 I E cyathistipula Warb. [BG 1429 Zambia]
 76GR00235 S K drupacea Thunb. var. pubescens (Roth) Corner

Moraceae

- 82GR00030 E *fischeri* Mildbr. & Burret [BG 1381 Zambia]
 84GR00415 I G *ilicina* (Sond.) Miq.
 82GR00041 I E *ingens* (Miq.) Miq. [BG Zambia]
 83GR00265 S E *insipida* Willd. [BG 1510 Venezuela]
 83GR00266 S E *insipida* Willd. [BG Venezuela]
 84GR00054 I E *krukovii* Standl. [PREV 1472 French Guiana]
 83GR00546 E *lingua* De Wild. & Dur. subsp. *lingua* [WAG Gabon]
 68GR00368 I G *montana* N.L.Burm.
 73GR00374 I G *natalensis* Hochst. subsp. *lepieurii* (Miq.) C.C.Berg
 82GR00031 I E *nigro-punctata* Mildbr. & Burret [BG 1382 Zambia]
 80GR00120 I E *nymphaeifolia* Ph.Mill. [BG 1147 Bahia]
 83GR00271 I E *obtusifolia* H.B.K. [BG Venezuela]
 82GR00036 I E *ottoniifolia* (Miq.) Miq. subsp. *macroscyce* C.C.Berg [BG 1421 Zambia]
 73GR00412 I G *parietalis* Bl.
 86GR00222 G *pumila* L. 'Minerva'
 76GR00295 I G *pumila* L. 'Minima'
 86GR00223 G *pumila* L. 'Quercifolia'
 86GR00224 G *pumila* L. 'Variegata'
 73GR00411 S K *religiosa* L.
 88GR00268 S K *sagittata* Vahl
 68GR00381 I G *sagittata* Vahl 'Variegata'
 88GR00267 S K *sagittata* Vahl 'Variegata'
 82GR00333 I E *sagittifolia* Warb. ex Mildbr. & Burret [BG 1489 Ivory Coast]
 82GR00328 I E *saussureana* DC. [BG 1481 Ivory Coast]
 81GR00035 I E *schumacheri* (Liebm.) Miq. [BG 2 Venezuela]
 83GR00270 I E *schumacheri* (Liebm.) Miq. [BG Venezuela]
 86GR00221 G *spec.*
 82GR00015 I E *sycomorus* L. [BG 1325 Transvaal]
 82GR00033 E *thonningii* Bl. [BG 1407 Zambia]
 82GR00332 I E *vallis-choudae* Del. [BG 1488 Ivory Coast]

Maclura

- 71RD00048 G *pomifera* (Raf.) Schneid.
 76RD00207 G *pomifera* (Raf.) Schneid.
 81GR00043 I E *tinctoria* (L.) Steud. [BG 1306 Ecuador]

Morus

- 64RD00022 G *alba* L. var. *alba*
 74RD00330 I G *alba* L. var. *alba*
 81RD00379 G *alba* L. 'Pendula'
 85RD00310 K *alba* L. 'Pendula'
 77RD00507 G *alba* L. var. *tatarica* (Pall.) Ser.
 85RD00311 I K *alba* L. 'Venosa'
 88RD00273 K *australis* Poir.
 73RD00040 I G *cathayana* Hemsl.

Moraceae

73RD00038	G	nigra L.
77RD00012	G	nigra L.
77RD00296	G	nigra L.
84RD00316	G	nigra L.
76RD00044	G	rubra L.

Musaceae

Musa

72GR00109	G	acuminata Colla
75GR00388	G	cv.
91GR01701	U	mannii H. Wendl.
78GR00307	G	(aaa-groep) 'Poyo'
90GR01114	G	textilis Nee. cv.
88GR00013	G	velutina H. Wendl. & Drude

Strelitzia

68GR01055	G	alba (L.f.) Skeels
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Myoporaceae

Bontia

86GR00391	E	daphnoides L. [Cuba]
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Myricaceae

Comptonia

81RD00023	G	peregrina (L.) Coult. var. asplenifolia (L.) Fern.
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Myrica

68GR01503	I E	faya Ait. [Portugal]
00ZG00019	G	gale L.
87BL00481	I G	gale L. var. tomentosa C. DC.
60RD00701	G	pensylvanica Loisel.
60RD00722	I G	pensylvanica Loisel.
70RD00097	G	pensylvanica Loisel.
82RD00117	E	pensylvanica Loisel. [Massachusetts]

Myrsinaceae

Ardisia

75GR00383	I G	crenata Sims
74GR00008	I G	solanacea Roxb.

Myrsine

75GR00272	I G	africana L. var. africana
75GR00149	I G	australis (A. Rich.) Allan

Myrsinaceae

87GR00269 S E guianensis (Aubl.) O. Ktze. [MJJ 1106 French Guiana]

Rapanea

70GR00104 I E ferruginea (Ruiz & Pav.) Mez [JCL 6250 Brazil]

72GR00317 I E parvifolia (A.DC.) Mez [JCL 9165 Brazil]

Myrtaceae

75GR00221 G **Acca**
sellowiana (Berg) Burret

66GR01748 I E **Calycorectes**
riedelianus Berg [JCL 962 Brazil]

92GR00008 E **Campomanesia**
aurea [Brazil]

73GR00501 G **Eucalyptus**
globulus Labill.
75GR00147 U gummifera (Gaertn.) Hochr.
86RD00195 E pauciflora Sieber ex K. Spreng. subsp. debeuzevillei
(Maiden) L. Johnson & Blaxell [New South Wales]

73GR00526 G **Eugenia**
costaricensis O.C.Berg
72GR00312 I E myrtifolia Cambess. aff. [JCL 8289 Brazil]
66GR01501 I E selloi O.C Berg [JCL Brazil]
68GR01496 G uniflora L.

90GR00497 I K **Leptospermum**
scoparium J.R. & G. Forst. 'Ruby Glow'

81GR00017 E **Myrcianthes**
pungens (Berg) Legrand [JCL Rio Grande do Sul]

73GR00491 I G **Myrtus**
communis L.
75GR00298 I U tenuifolia J.E. Sm.

74GR00691 E **Psidium**
galapageium J.D.Hook. var. galapageium [Galapagos Isls.]
90GR00287 E guajava L. [South Africa]

91GR00435 G **Syzygium**
jambos (L.) Alston
75GR00144 I G paniculatum Banks ex Gaertn.

Myrtaceae

- Tristaniopsis**
75GR00261 I G laurina (J.E.Sm.) P.G.Wils. & J.T.Waterhouse

Nelumbonaceae

- Nelumbo**
89GR00110 G nucifera Gaertn.

Nepenthaceae

- Nepenthes**
73GR00224 G mannii
80GR00407 G x mixta Mast.

Nyctaginaceae

- Mirabilis**
53ZE00688 I G jalapa L.
71ZE00835 G jalapa L. cv.
55ZE00792 I G longiflora L.

- Oxybaphus**
91ZE00780 G nyctagineus (Michx.) Sweet

- Pisonia**
76GR00060 G umbellifera (J.R. & G.Forst.) Seem. 'Variegata'

- Torrubia**
68GR01052 I G olfersiana (Link, Klotzsch & Otto) Standl.

Nymphaeaceae

- Nuphar**
75ZS00072 G advena (Ait.) R.Br.
75ZS00057 G lutea (L.) J.E.Sm.

- Nymphaea**
75ZS00074 I G alba L.
75ZS00073 G candida K.B.Presl
75ZS00075 G 'Colossea'
75BL00200 G 'Ellisiana'
75BL00198 G 'Fire Crest'
89GR00117 G hybride 'Director George T. Moore'
91GR00447 I G lotus L.
75ZS00077 G 'Moorei'
75BL00199 G 'Rose Arey'
90GR00705 G spec.

Nymphaeaceae

- 75BL00201 G 'Turicensis'
75ZS00076 G 'Virginalis'

Nyssaceae

- 89GR00012 G **Camptotheca**
acuminata Decne.

- Davidia**
81RD00210 G R involucrata Baill. var. involucrata
77RD00157 G R involucrata Baill. var. vilmoriniana (Dode) Wanger.

1 of 12 accessions sharing this taxon are listed above

- Nyssa**
00ZG01296 G sylvatica Marsh.
61RD00939 G sylvatica Marsh.
74RD00212 G sylvatica Marsh.
82RD00118 E sylvatica Marsh. [New Jersey]
84RD00060 E sylvatica Marsh. [Ontario]
85RD00197 E sylvatica Marsh. [Ohio]
85RD00204 E sylvatica Marsh. [New Jersey]
85RD00298 E sylvatica Marsh. [Maryland]

OLEACEAE

Introduction

Oleaceae is an "in-breadth" specialization in Utrecht with a strong accent on the introduction of species from natural habitats. Most attention is given to the genera *Fraxinus* (60 species), the ash, and *Syringa* (30 species), the lilac. The species in both genera growing in Asia are only slightly known. The material present in collections and nurseries is mostly incorrectly named or not species-pure.

Aims

- 1 Development of a reference collection of *Oleaceae* consisting mainly of wild species.
- 2 Introduction of pure species for cultivation.

Programme

Acquisition of specimens of natural source has increased in the past five years, especially of the genus *Fraxinus*. There is a fairly recent scientific study available on this genus. A few ashes seem to

Nyssaceae

be suitable for commercial cultivation and will be reproduced by one or more nurseries.

In the case of *Syringa*, a satisfactory systematic study is still badly needed.

Location

The majority of the collection can be found in the Von Gimborn Arboretum, a small proportion at Fort Hoofddijk.

Publications

Jong 1986f; 1987f; 1989.

Oleaceae

			Abeliophyllum
92RD00712	K E		distichum Nakai
			Chionanthus
83RD00209	E		retusus Lindl. & Paxt. [<u>S.Korea</u>]
86RD00608	G		retusus Lindl. & Paxt.
87RD00279	G		retusus Lindl. & Paxt.
00ZG01766	I G		virginicus L.
00ZG02279	I G		virginicus L.
62RD00148	G		virginicus L.
74RD00488	I G		virginicus L.
86RD00555	E		virginicus L. [<u>Virginia</u>]
			Fontanesia
61RD00250	G		fortunei Carr.
85RD00388	K		fortunei Carr.
76RD00250	G		philliraeoides Labill.
			Forestiera
71RD00062	G		neo-mexicana A. Gray
			Forsythia
00ZG01303	N R		europaea Degen & Bald.
79RD00043	G R		europaea Degen & Bald.
79RD00155	G R		europaea Degen & Bald.
86RD00323	G R		europaea Degen & Bald.
64RD00301	G		x intermedia Zab.
70RD00052	I G		x intermedia Zab.
00ZG02220	G		x intermedia Zab. 'Arnold Giant'
00ZG02221	G		x intermedia Zab. 'Lynwood Gold'
00ZG01748	G		x intermedia Zab. 'P.G.'

Oleaceae

- 00ZG02219 G x intermedia Zab. 'Spectabilis'
 00ZG02218 G x intermedia Zab. 'Spring Glory'
 64RD00302 I K ovata Nakai
 83RD00262 E ovata Nakai [B.E.C. I S.Korea]
 00ZG01774 G ovata Nakai 'Tetragold'
 78RD00917 G ovata Nakai 'Tetragold'
 64RD00189 G spec.
 79RD00145 G suspensa (Thunb.) Vahl var. sieboldii Zab.
 64RD00303 G suspensa (Thunb.) Vahl var. suspensa
 78RD00389 G suspensa (Thunb.) Vahl var. suspensa
 78RD00585 G suspensa (Thunb.) Vahl var. suspensa
 79RD00144 I G suspensa (Thunb.) Vahl var. suspensa
 83RD00024 E suspensa (Thunb.) Vahl var. suspensa [Sichuan]
 77RD00079 G viridissima Lindl. var. koreana Rehd.
 79RD00303 G viridissima Lindl. var. koreana Rehd.
- Fraxinus**
- 76RD00141 I G americana L. var. americana
 84RD00402 G americana L. var. americana [DK 01-14]
 84RD00403 G americana L. var. americana [DK 01-16]
 84RD00406 G americana L. var. americana [DK 01-23]
 84RD00436 G americana L. var. americana
 84RD00408 G americana L. 'Asciadiata' [DK 01-32]
 64RD00240 E americana L. var. iodocarpa Fern.
 84RD00407 G americana L. 'Juglandifolia' [DK 01-31]
 79RD00394 G americana L. 'Microcarpa'
 84RD00401 G americana L. 'Microcarpa' [DK 01-01]
 79RD00223 G americana x pennsylvanica
 79RD00360 G angustifolia Vahl subsp. angustifolia 'Monophylla'
 67RD00025 G angustifolia Vahl subsp. oxycarpa (Bieb. ex Willd.) Franco
 & Rocha Afonso
 80RD00402 E angustifolia Vahl subsp. oxycarpa (Bieb. ex Willd.) Franco
 & Rocha Afonso [Hungary]
 82RD00164 E angustifolia Vahl subsp. oxycarpa (Bieb. ex Willd.) Franco
 & Rocha Afonso [Hungary]
 00ZG02213 G angustifolia Vahl subsp. oxycarpa (Bieb. ex Willd.) Franco
 & Rocha Afonso 'Raywood'
 79RD00395 G angustifolia Vahl subsp. oxycarpa (Bieb. ex Willd.) Franco
 & Rocha Afonso 'Raywood'
 61RD01343 G angustifolia Vahl subsp. syriaca (Boiss.) Yaltirik ex P.S.
 Green
 79RD00304 G biltmoreana Beadle
 84RD00410 K biltmoreana Beadle [DK 03-01]
 80RD00298 G bungeana A. DC.
 81RD00215 G bungeana A. DC.
 78RD00599 E caroliniana Mill. [Virginia]
 80RD00248 G chinensis Roxb. var. acuminata Lingelsh.

Oleaceae

65RD00053	G	chinensis Roxb. var. chinensis
83RD00011	U	chinensis Roxb. var. chinensis
89RD00021	G	chinensis Roxb. var. chinensis
66RD00020	G	chinensis Roxb. var. rhynchophylla (Hance) Hemsl.
77RD00140	E	chinensis Roxb. var. rhynchophylla (Hance) Hemsl. [S.Korea]
79RD00132	G	chinensis Roxb. var. rhynchophylla (Hance) Hemsl.
80RD00319	E	chinensis Roxb. var. rhynchophylla (Hance) Hemsl. [S.Korea]
83RD00235	E	chinensis Roxb. var. rhynchophylla (Hance) Hemsl. [Primorsk Terr.]
86RD00317	E	dipetala W.J. Hook. & Arn. [California]
85RD00086	G	elonza Kirchn.
78RD00123	E	excelsior L. [Ireland, Rep.]
78RD00323	E	excelsior L. [Norway]
78RD01041	E	excelsior L. [Armenia]
90RD00947	E	excelsior L. [Iran]
91RD01292	E	excelsior L. [Utrecht]
70RD00093	G	excelsior L. 'Aurea'
86RD00679	K	excelsior L. 'Crispa'
85RD00308	K	excelsior L. 'Globosa'
86RD00680	K	excelsior L. 'Nana'
88RD00270	K	excelsior L. 'Pendula'
78RD00692	G	holotricha Koehne
79RD00177	G	holotricha Koehne
79RD00305	G	holotricha Koehne
83RD00253	E	holotricha Koehne [Rumania]
90RD00558	E	japonica Bl. [Japan]
82RD00071	E	lanuginosa Koidz. [Honshu]
82RD00161	U	lanuginosa Koidz.
83RD00247	E	lanuginosa Koidz. [Hokkaido]
78RD00263	G	latifolia Benth.
79RD00073	G	latifolia Benth.
80RD00189	E	latifolia Benth. [Washington]
85RD00244	E	latifolia Benth. [Washington]
00ZG02309	G	longicuspis Sieb. & Zucc.
61RD01265	G	longicuspis Sieb. & Zucc.
80RD00285	G	mandshurica Rupr. var. japonica Maxim.
88RD00081	E	mandshurica Rupr. var. japonica Maxim. [Hokkaido]
88RD00082	E	mandshurica Rupr. var. japonica Maxim. [Japan]
89RD00071	E	mandshurica Rupr. var. japonica Maxim. [Japan]
84RD00215	E	mandshurica Rupr. var. mandshurica [Asiatic Russia]
00ZG02312	G	nigra Marsh.
78RD00518	E	nigra Marsh. [Illinois]
88RD00044	E	nigra Marsh. [Ontario]
00ZG00947	G	ornus L.
00ZG00948	G	ornus L.

Oleaceae

- 61RD00045 G ornus L.
 78RD00538 E pennsylvanica Marsh. [Ontario]
 84RD00404 G pennsylvanica Marsh. [DK 01-17]
 84RD00405 G pennsylvanica Marsh. [DK 01-18]
 84RD00414 G pennsylvanica Marsh. [DK 01-13]
 84RD00415 G pennsylvanica Marsh. [DK 01-39]
 84RD00416 G pennsylvanica Marsh. [DK 07-03]
 90RD00316 E pennsylvanica Marsh. [Quebec]
 00ZG01100 G pennsylvanica Marsh. 'Aucubifolia'
 64RD00244 G pennsylvanica Marsh. var. austini Fern.
 65RD00059 G pennsylvanica Marsh. var. subintegerrima (Vahl) Fern.
 74RD00335 G pennsylvanica Marsh. var. subintegerrima (Vahl) Fern.
 79RD00030 E pennsylvanica Marsh. var. subintegerrima (Vahl) Fern. [Ontario]
 83RD00141 G pennsylvanica Marsh. var. subintegerrima (Vahl) Fern.
 70RD00092 I G pennsylvanica Marsh. 'Variegata'
 79RD00396 G pennsylvanica Marsh. 'Zundert'
 79RD00254 E potamophila Herd. [Kazakhstan]
 85RD00278 S potamophila Herd. [Central Asia]
 78RD00519 E quadrangulata Michx. [Illinois]
 88RD00005 E raibocarpa Regel [Tadzhikistan]
 88RD00093 E raibocarpa Regel [Tadzhikistan]
 91RD00032 E retusa Champ. [Zhejiang]
 91RD01371 G retusa Champ. var. henryana Oliv.
 74RD00056 G sieboldiana Bl.
 74RD00490 I G sieboldiana Bl.
 78RD00427 G sieboldiana Bl.
 83RD00050 E sieboldiana Bl. [S.Korea]
 89RD00051 E sieboldiana Bl. [Japan]
 83RD00264 E sieboldiana Bl. var. serrata [B.E.C. 2 S.Korea]
 80RD00538 E spec. [A 52 Kentucky]
 80RD00542 E spec. [A 47 Kentucky]
 83RD00097 E tomentosa Michx.f. [Missouri]
 88RD00251 E tomentosa Michx.f. [Missouri]
 84RD00413 K velutina Torr. [DK 08-01]
 86RD00033 E velutina Torrey var. coriacea (Watson) Rehd. [California]
 91RD00033 E velutina Torrey var. coriacea (Watson) Rehd. [California]
- Jasminum**
 71RD00060 I G beesianum Forrest & Diels
 76RD00006 G beesianum Forrest & Diels
 91RD00959 K beesianum Forrest & Diels
 78RD01023 S fruticans L.
 73GR00528 G humile L.
 69GR00215 I G mesnyi Hance
 69GR00218 I G multiflorum (N.L.Burm.) Andr.
 84RD00362 G nudiflorum Lindl.

Oleaceae

- 91RD00943 K nudiflorum Lindl.
 76GR00084 I G odoratissimum L.
 85RD00347 G parkeri Dunn
 68GR01451 V G polyanthum Franch.
 76GR00091 I G sambac (L.) Ait.
 91RD00961 K x stephanense Lemoine
- Ligustrum**
- 80RD00213 G amurense Carr.
 83RD00051 E foliosum Nakai [S.Korea]
 83RD00213 E foliosum Nakai [S.Korea]
 76RD00173 G x ibolium Coe ex Rehd. 'Variegatum'
 61RD00884 G ibota Sieb. & Zucc.
 79RD00147 G ibota Sieb. & Zucc.
 75GR00325 I G japonicum Thunb. var. japonicum
 00ZG01720 G obtusifolium Sieb. & Zucc. var. regelianum (Koehne) Rehd.
 'Dart's Elite'
 00ZG01726 G obtusifolium Sieb. & Zucc. var. regelianum (Koehne) Rehd.
 'Dart's Perfecta'
 61RD00076 I G ovalifolium Hassk. 'Aureum'
 64RD00309 G quihoui Carr.
 71RD00061 I G quihoui Carr.
 76RD00033 G quihoui Carr.
 81RD00133 G sinense Lour. var. stauntonii (A.DC.) Rehd.
 80RD00535 G spec. [A 25]
 86RD00204 E spec. [GUIZ 115 Guizhou]
 63RD00309 G tschonokii Decne. var. tschonokii
 80RD00406 S tschonokii Decne. var. tschonokii [Sakhalin]
 00ZG01710 G x vicaryi Rehd.
 00ZG01772 G x vicaryi Rehd.
 74RD00255 G x vicaryi Rehd.
 78RD01068 G vulgare L.
- Olea**
- 75GR00219 I G europaea L. subsp. europaea
 77GR00200 G europaea L. subsp. europaea
- Osmanthus**
- 00ZG01512 I G x burkwoodii (Burkw. & Skipw.) P.S. Green
 72RD00252 I G x burkwoodii (Burkw. & Skipw.) P.S. Green
 78RD00756 G x burkwoodii (Burkw. & Skipw.) P.S. Green
 00ZG01993 G I decorus (Boiss. & Balansa) Kasaplilig
 65RD00119 G I decorus (Boiss. & Balansa) Kasaplilig
 83RD00336 G heterophyllus (G.Don) P.S.Green
 86RD00240 K heterophyllus (G.Don) P.S.Green
 91RD00906 K heterophyllus (G.Don) P.S.Green

- Syringa**
- 88RD00171 K afghanica C.K.Schneid.
 90RD00379 G emodi Wall. ex G.Don
 91RD00939 K x josiflexa Preston ex J.S. Pringle 'Bellicent'
 61RD01609 I G josikaea Jacq.f. ex Rchb.
 62RD00892 G josikaea Jacq.f. ex Rchb.
 85RD00087 G josikaea Jacq.f. ex Rchb.
 88RD00218 G josikaea Jacq.f. ex Rchb.
 61RD01050 G julianae Schneid.
 61RD01012 G komarowii Schneid.
 61RD01119 G komarowii Schneid.
 79RD00236 G komarowii Schneid.
 72RD00272 I G laciniata Mill.
 65RD00025 G meyeri Schneid.
 72RD00271 V G meyeri Schneid. 'Palibin'
 81RD00072 G meyeri Schneid. 'Palibin'
 85RD00112 G meyeri Schneid. 'Palibin'
 91RD01556 G microphylla Diels
 81RD00118 G oblata Lindl. 'Alba'
 85RD00132 G oblata Lindl. 'Alba'
 83RD00088 G oblata Lindl. var. dilatata (Nakai) Rehd.
 85RD00111 G oblata Lindl. var. dilatata (Nakai) Rehd.
 79RD00148 G oblata Lindl. var. oblata
 80RD00090 E oblata Lindl. var. oblata [Hebei, Beijing & Tianjin]
 83RD00090 G oblata Lindl. var. oblata
 82RD00233 E patula (Palib.) Nakai var. kamibayashi (Nakai) T.Lee
 [S.Korea]
 83RD00052 E patula (Palib.) Nakai var. kamibayashi (Nakai) T.Lee
 [S.Korea]
 83RD00261 E patula (Palib.) Nakai var. kamibayashi (Nakai) T.Lee
 [B.E.C. 1 S.Korea]
 84RD00302 G patula (Palib.) Nakai var. patula
 84RD00441 G patula (Palib.) Nakai var. patula
 86RD00012 G patula (Palib.) Nakai var. patula
 88RD00197 E patula (Palib.) Nakai var. patula [China]
 64RD00334 I G pekinensis Rupr.
 86RD00674 G pekinensis Rupr.
 62RD00214 G pinetorum W.W. Sm.
 62RD00422 G pinetorum W.W. Sm.
 79RD00058 G pinetorum W.W. Sm.
 62RD00171 G pubescens Turcz.
 78RD00587 G reflexa Schneid.
 79RD00237 G reflexa Schneid.
 86RD00355 K reflexa Schneid. 'Bellincent'
 80RD00230 G reticulata (Bl.) Hara var. mandshurica (Maxim.) Hara
 81RD00145 E reticulata (Bl.) Hara var. mandshurica (Maxim.) Hara
 [S.Korea]

Oleaceae

- 81RD00225 S reticulata (Bl.) Hara var. mandshurica (Maxim.) Hara
 83RD00002 E reticulata (Bl.) Hara var. mandshurica (Maxim.) Hara
 84RD00207 S reticulata (Bl.) Hara var. mandshurica (Maxim.) Hara
 [Kurile Isls.]
 86RD00676 G reticulata (Bl.) Hara var. mandshurica (Maxim.) Hara
 61RD01068 G reticulata (Bl.) Hara var. reticulata
 78RD00054 G reticulata (Bl.) Hara var. reticulata
 79RD00238 G reticulata (Bl.) Hara var. reticulata
 89RD00070 E reticulata (Bl.) Hara var. reticulata [Japan]
 80RD00300 G robusta Nakai
 83RD00067 E spec. [Austria]
 62RD00374 G sweginzowii Koehne & Lingelsh.
 64RD00133 G tigerstedtii H. Sm.
 77RD00003 E tigerstedtii H. Sm. [Xingjiang Uygur (Autonomous R.)]
 79RD00104 S tigerstedtii H. Sm. [Japan]
 85RD00077 S tigerstedtii H. Sm. [W.China]
 62RD00823 I G tomentella Bur. & Franch.
 77RD00004 E tomentella Bur. & Franch. [H.SMITH Xingjiang Uygur
 (Autonomous R.)]
 78RD00642 G tomentella Bur. & Franch.
 61RD00146 I G villosa Vahl
 62RD00034 I G villosa Vahl
 62RD00756 I G villosa Vahl
 77RD00005 S villosa Vahl [China]
 83RD00127 S villosa Vahl [H.SMITH H9]
 79RD00100 E vulgaris L. [Yugoslavia]
 79RD00206 E vulgaris L. [Rumania]
 79RD00227 E vulgaris L. [Yugoslavia]
 82RD00252 E vulgaris L. [THSON 46 Yugoslavia]
 84RD00370 E vulgaris L. [Bulgaria]
 85RD00221 E vulgaris L. [Hungary]
 85RD00238 E vulgaris L. [Bulgaria]
 85RD00271 E vulgaris L. [Rumania]
 80RD00311 E wolfii Schneid. var. hirsuta (Schneid.) Rehd. [S.Korea]
 85RD00226 S wolfii Schneid. var. hirsuta (Schneid.) Rehd. [Asiatic Russia]
 61RD00145 G wolfii Schneid. var. wolfii
 61RD00228 G wolfii Schneid. var. wolfii
 83RD00003 E wolfii Schneid. var. wolfii
 83RD00238 E wolfii Schneid. var. wolfii [Primorsk Terr.]
 84RD00068 S wolfii Schneid. var. wolfii
 84RD00177 G wolfii Schneid. var. wolfii
 84RD00217 E wolfii Schneid. var. wolfii [Primorsk Terr.]
 84RD00266 E wolfii Schneid. var. wolfii [Asiatic Russia]
 61RD00468 G yunnanensis Franch.
 78RD00157 G yunnanensis Franch.
 79RD00101 E yunnanensis Franch.
 82RD00253 S yunnanensis Franch. [FORREST China]

Onagraceae

- Boisduvalia**
 73ZE00833 I G densiflora (Lindl.) S.Wats.
- Circaea**
 68BL00080 I G cordata Royle
 83BL00178 I G cordata Royle
 80ZS00017 I E lutetiana L. [W.Germany]
 87BL00664 E lutetiana L. [E.Germany]
 91ZS01918 E lutetiana L. [Belgium]
 79BL00331 G mollis Sieb. & Zucc.
 91BL00501 E quadrisulcata (Maxim.) Franch. & Sav. var. canadensis (L.)
 Hara [Quebec]
- Clarkia**
 53ZE00877 I G concinna (Fisch. & Mey.) E.Greene
- Epilobium**
 87BL00138 E anagallidifolium Lam. [Norway]
 87BL00588 E anagallidifolium Lam. [Spain]
 66BL00194 I G dodonaei Vill.
 86BL00356 I E fleischeri Hochst. [Italy]
 87BL00202 I E fleischeri Hochst. [Switzerland]
 87BL00331 E fleischeri Hochst. [Italy]
 87BL00390 I E fleischeri Hochst. [France]
 88BL00068 S lactiflorum Hausskn. [Iceland]
 79BL00267 E nutans F.W.Schmidt [Switzerland]
- Fuchsia**
 00ZG01257 I G magellanica Lam.
 73ZS00030 I G magellanica Lam. 'Conica'
 92GR00282 I G microphylla H.B.K.
 80GR00318 V E paniculata Lindl. [MAAS 4985 Panama]
 68GR01556 I G E procumbens R. Cunn. ex A. Cunn.
 78GR00298 G 'Tom Thumb'
- Gaura**
 54ZE02103 I G lindheimeri Engelm. & A.Gray
- Godetia**
 53ZE00879 I G purpurea (Curt.) G.Don
- Lopezia**
 53ZE00878 I G racemosa Cav. subsp. racemosa
- Ludwigia**

Onagraceae

90GR00304	I G	octovalvis (Jacq.) Raven subsp. octovalvis
91GR01697	G	octovalvis (Jacq.) Raven var. sessiliflora
89GR00108	E	palustris (L.) Elliott [SYM E0983 Belgium]

Oenothera

88BL00206	G	acaulis Cav.
67ZE00317	I E	erythrosepala (Borb.) Borb.
92ZE00516	E	erythrosepala (Borb.) Borb. [France]
92ZE00517	E	erythrosepala (Borb.) Borb. [France]
66BL00335	I G	missouriensis Sims
84BL00025	G	perennis L.
87ZS00033	I G	perennis L.
84BL00260	I G	tetragona Roth

ORCHIDACEAE

Introduction

Since 1975 there has been a specialization in neotropical *Orchidaceae*. Much of the material that was added to the collection was collected by staff members of the Herbarium Division (formerly Institute of Systematic Botany), during expeditions. Furthermore, much CITES material has been acquired from confiscated shipments, after a release and transfer by court order to the Dutch Botanic Gardens Foundation.

Aims

The maintenance and further development of the focal-point collection of neotropical orchids.

Programme

More additions to the collection are needed with material collected on expeditions in the neotropics, within CITES-regulations.

Location

The collection is housed in three greenhouses with different climatological conditions.

Orchidaceae

Acampe

00ZW10659	K	ochracea (Lindl.) Hochr.
00ZW10023	I G	papillosa Lindl.

Orchidaceae

Acineta

- 00ZW11220 G chrysantha (C. Morr.) Lindl. & Paxt.

Ada

- 00ZW02813 I G aurantiaca Lindl.

Aerangis

- 00ZW02356 I G biloba (Lindl.) Schlechter
 00ZW10860 I E biloba (Lindl.) Schlechter [BG 131 W. Trop. Africa]
 00ZW09761 E cryptodon Schlechter [Malagasy]
 00ZW10821 I G friesiorum Schlechter
 00ZW11119 I K ugandensis Summerh.

Aeranthes

- 00ZW09763 I E grandiflora Lindl. [Malagasy]

Aerides

- 00ZW10029 G flabellatum Rolfe ex Downie
 00ZW10835 G houlettianum Rchb.f.
 00ZW10897 G multiflorum Roxb.
 00ZW02676 I G odoratum Lour.
 00ZW09835 I G odoratum Lour.
 00ZW11334 G uniflora (Lindl.) Summerh.
 00ZW02509 I G vandarum Rchb.f.

Amblostoma

- 00ZW11533 I K tridactylum (Lindl.) Rchb.f.

Ancistrochilus

- 00ZW11333 I E rothschildianus O'Brien [W. Trop. Africa]

Angraecopsis

- 00ZW11298 I E elliptica Summerh. [W. Trop. Africa]

Angraecum

- 00ZW10525 I N brachyrhopalon Schlechter [Malagasy]
 00ZW11825 I G calceolus Thou.
 00ZW09760 I E comorense Kraenzl. [Comoro Isls.]
 00ZW02252 I G distichum Lindl.
 00ZW10181 I G eburneum Bory
 00ZW11121 K eichlerianum Kraenzl.
 00ZW11009 I G erectum Summerh.
 00ZW11311 I E modicum Summerh. [W. Trop. Africa]
 00ZW09766 E sororium Schlechter [Malagasy]
 00ZW10679 I N subulatum Lindl. [W. Trop. Africa]
 00ZW11290 I E subulatum Lindl. [LANGE Ivory Coast]

Orchidaceae

- 00ZW11207 G **Anguloa**
uniflora Ruiz & Pav.
- 00ZW11990 G **Ansellia**
africana Lindl.
- 00ZW02617 I G **Arpophyllum**
spicatum Llave & Lex.
00ZW02618 I G spicatum Llave & Lex.
00ZW10147 I G spicatum Llave & Lex.
- 00ZW09771 V G **Ascocentrum**
ampullaceum (Lindl.) Schlechter
- 00ZW09797 I E **Ascoglossum**
calopterum (Rchb.f.) Schlechter [New Guinea]
- 00ZW11466 I K **Aspasia**
epidendroides Lindl.
- 00ZW10867 I G **Barbosella**
handroi F.C.Hoehne
- 00ZW11221 I G R **Barkeria**
halbingeri Thien
00ZW11483 I G lindleyana Batem. ex Lindl. subsp. cyclotella (Rchb.f.)
Thien
- 00ZW11517 K **Batemanina**
colleyi Lindl.
- 00ZW11605 I E **Bifrenaria**
aurantiaca Lindl. [SCHULTZ Suriname]
00ZW11553 I K aureofulva (W.J.Hook.) Lindl.
00ZW02613 I G harrisoniae (W.J.Hook.) Rchb.f.
- 00ZW11805 E **Bletia**
spec. [MAAS 4797 Ecuador]
- 00ZW02531 I G **Bletilla**
striata (Thunb.) Rchb.f.
- 00ZW11244 I G **Bollea**
violacea (Lindl.) Rchb.f.
00ZW11829 I E violacea (Lindl.) Rchb.f. [SCHULTZ Suriname]
90ZW00436 E violacea (Lindl.) Rchb.f. [Suriname]

00ZW02577 I G
 00ZW11909 G
 00ZW06907 I G
 00ZW06836 I E
 00ZW02278 I G
 00ZW09820 I N
 00ZW11886 I E
 00ZW10670 I K

Brassavola

digbyana Lindl.
 digbyana Lindl.
 glauca Lindl.
 martiana Lindl. [Suriname]
 nodosa (L.) Lindl.
 nodosa (L.) Lindl. [Venezuela]
 nodosa (L.) Lindl.
 tuberculata W.J.Hook.

00ZW09955 V G
 00ZW10743 V G
 00ZW12008 E
 00ZW12013 E
 00ZW11854 E
 00ZW10712 G I
 00ZW11901 G I
 00ZW06861 I E
 00ZW09853 I E
 00ZW09952 I G
 00ZW02709 I E
 00ZW09882 I E
 00ZW09963 I G
 00ZW11691 I E
 00ZW11397 V E
 00ZW11672 I E
 00ZW02694 G
 00ZW02409 I G
 00ZW02535 I G
 00ZW02649 I G
 00ZW02650 I G
 00ZW11897 G

Brassia

antherotes Rchb.f. var. antherotes
 antherotes Rchb.f. var. antherotes
 antherotes Rchb.f. var. antherotes [GRIJMA Costa Rica]
 arcuigera Rchb.f. [H.L. 1280 Colombia]
 bidens Lindl. [MAAS 5760 Guyana]
 caudata (L.) Lindl.
 caudata (L.) Lindl.
 chloroleuca Barb.-Rodr. [French Guiana]
 chloroleuca Barb.-Rodr. [PAF 2478 Suriname]
 chloroleuca Barb.-Rodr.
 lanceana Lindl. [Suriname]
 lanceana Lindl. [MAAS 2861 Suriname]
 lanceana Lindl.
 lanceana Lindl. [M&SNUV Guyana]
 lawrenceana Lindl. [EAM Suriname]
 lawrenceana Lindl. [M&SNUV Guyana]
 maculata R.Br.
 verrucosa Batem.
 verrucosa Batem.
 verrucosa Batem.
 verrucosa Batem.
 verrucosa Batem.
 verrucosa Batem.

00ZW10200 G
 00ZW02641 G

x Brassocattleya

'Jean Gauthier'
 'Massangeana'

Bulbophyllum

00ZW02776 I G
 00ZW10590 I G
 00ZW06892 I G
 00ZW06915 I G
 00ZW11179 I G
 00ZW10857 I G
 00ZW10848 I G
 00ZW10584 I G

ambrosia (Hance) Schlechter
 ambrosia (Hance) Schlechter
 andersonii (J.D.Hook.) J.J.Sm.
 apodum J.D.Hook.
 barbigerum Lindl.
 bequaertii De Wild.
 buntingii Rendle
 cocoinum Batem. ex Lindl.

Orchidaceae

- 00ZW11887 G cocoinum Batem. ex Lindl.
 00ZW02306 I G crassipes J.D.Hook.
 00ZW06932 I G dayanum Rchb.f.
 00ZW10588 I G distans Lindl.
 00ZW10847 I G distans Lindl.
 00ZW02245 I G falcatum (Lindl.) Rchb.f.
 00ZW11120 I K falcatum (Lindl.) Rchb.f.
 00ZW11130 I G falcatum (Lindl.) Rchb.f.
 00ZW11142 I G falcatum (Lindl.) Rchb.f.
 00ZW10885 I G 'Fascination'
 00ZW11291 I E flavidum Lindl. [LANGE Suriname]
 00ZW11167 G frostii Summerh.
 00ZW10589 I G gibbosum (Bl.) Lindl.
 00ZW11877 G gibbosum (Bl.) Lindl.
 00ZW11894 G gibbosum (Bl.) Lindl.
 00ZW09842 I G grandiflorum Bl.
 00ZW02396 I G guttulatum Wall. ex J.D.Hook.
 00ZW09982 I G guttulatum Wall. ex J.D.Hook.
 00ZW10586 I G lasiochilum Par. & Rchb.f.
 00ZW10534 I K I lobbii Lindl.
 00ZW10887 I G 'Louis Sander'
 00ZW02787 I G medusae (Lindl.) Rchb.f.
 00ZW06931 I G E morphologorum Kraenzl.
 00ZW10886 I G neilgherrense Wight
 00ZW10585 G odoratissimum (J.E.Sm.) Lindl.
 00ZW10849 I G oreonastes Rchb.f.
 00ZW02639 G phalaenopsis J.J.Sm.
 00ZW09824 E phalaenopsis J.J.Sm.
 00ZW02859 I G putidum (Teijsm. & Binn.) J.J.Sm.
 00ZW10749 I G recurvum Lindl.
 00ZW11180 G retusiusculum Rchb.f.
 00ZW09980 I G rigidum King & Pantl.
 00ZW10587 I G rufinum Rchb.f.
 00ZW11329 I E schimperanum Kraenzl. [W. Trop. Africa]
 00ZW09805 I G semperflorens J.J.Sm.
 00ZW10523 I K simonii Summerh.
 00ZW12032 E spec. [H. - 7808-01 Philippines]
 00ZW02727 I G umbellatum Lindl.
 00ZW11115 I K umbellatum Lindl.
 00ZW09801 I G weberi O.Ames
- Calanthe**
 00ZW11590 I E arisanensis Hayata [Taiwan (incl. Penghuleidao & Lan Yu)]
 00ZW10910 G I herbacea Lindl.
 00ZW10690 I G masuca (D.Don) Lindl.
 00ZW11508 G spec.
 00ZW02253 G vestita Lindl. var. regnieri Veitch

Orchidaceae

- 00ZW10207 I G 'William Murray'
 00ZW10208 I G 'William Murray'
- Calyptrochilum**
 00ZW02167 I N christyanum (Rchb.f.) Summerh. [N.Nigeria]
 00ZW06952 I G christyanum (Rchb.f.) Summerh.
- Campylocentrum**
 00ZW11521 K crassirhizum F.C.Hoehne
 00ZW11830 I E fasciola (Lindl.) Cogn. [SCHULTZ Suriname]
 00ZW11522 I K robustum Cogn.
- Catasetum**
 00ZW11006 I G atratum Lindl.
 00ZW09818 I N discolor Lindl. [Venezuela]
 00ZW11655 I E discolor Lindl. [M&SNUV Guyana]
 90ZW00434 E discolor Lindl. [Suriname]
 00ZW11560 I U fimbriatum (C.Morr.) Lindl. & Paxt.
 00ZW02526 I E macrocarpum L.C. Rich. ex Kunth [Suriname]
 00ZW09816 I N macrocarpum L.C. Rich. ex Kunth [Venezuela]
 00ZW11249 I E macrocarpum L.C. Rich. ex Kunth [BL 1308 Suriname]
 00ZW11202 V G oerstedii Rchb.f.
 00ZW11993 E spec. [Suriname]
 00ZW12192 E spec. [MAAS Guyana]
 91ZW00066 E spec. [Peru]
 91ZW00067 E spec. [Peru]
 91ZW00068 E spec. [Peru]
 00ZW11201 I G viridiflavum W.J.Hook.
- Cattleya**
 00ZW06831 I G aclandiae Lindl.
 00ZW06903 I G aurantiaca (Batem. ex Lindl.) P.N. Don
 00ZW11234 I G aurantiaca (Batem. ex Lindl.) P.N. Don
 00ZW06832 I G bicolor Lindl.
 00ZW02503 I G R bowringiana Veitch
 00ZW02510 I G R bowringiana Veitch
 00ZW02744 I G R bowringiana Veitch
 00ZW02514 G 'Helena'
 00ZW10581 I G intermedia R. Grah.
 00ZW10582 G intermedia R. Grah.
 00ZW10199 G labiata Lindl.
 00ZW12033 E maxima Lindl. [Peru]
 00ZW06950 I N mossiae C.S. Parker ex W.J. Hook. [Venezuela]
 00ZW06959 I E percivaliana (Rchb.f.) O'Brien [Venezuela]
 00ZW06967 I E percivaliana (Rchb.f.) O'Brien [Venezuela]
 00ZW06972 I E percivaliana (Rchb.f.) O'Brien [Venezuela]
 00ZW10188 G 'Portia'

Orchidaceae

- 00ZW11005 I G schilleriana Rchb.f.
 00ZW02379 I G skinneri Batem.
 00ZW09743 G skinneri Batem.
 91ZW00057 E spec. [Peru]
 00ZW02722 G 'Swan'
 00ZW02718 G trianae Lind. & Rchb.f.
 00ZW02723 G trianae Lind. & Rchb.f.
 00ZW10187 G trianae Lind. & Rchb.f.
 00ZW02370 G walkeriana Gardn.
 00ZW10182 G 'Wendlandiana'
 00ZW10183 G 'Wendlandiana'
- Ceratostylis**
 00ZW11148 I K rubra O.Ames
- Chaubardia**
 00ZW12105 S E surinamensis Rchb.f. [RCK French Guiana]
 00ZW12130 S E surinamensis Rchb.f. [GR&JJ French Guiana]
- Chaubardiella**
 00ZW11261 I E tigrina (Garay & Dunsterv.) Garay [BL 97 Suriname]
 00ZW11840 I E tigrina (Garay & Dunsterv.) Garay [SCHULTZ Suriname]
- Chiloschista**
 00ZW11050 I K phyllorhiza (F. Muell.) Schlechter
 00ZW11976 G usneoides Lindl.
- Chysis**
 00ZW06839 G aurea Lindl. var. bractescens (Lindl.) Allen
- Cleisocentron**
 00ZW11200 I G trichromum (Rchb.f.) Bruehl
- Cleisostoma**
 00ZW02898 I N litoreum (Schlechter) Garay [New Guinea]
 00ZW12004 U stronglyloides (Ridl.) Garay
- Cochleanthes**
 00ZW11790 I E amazonica (Rchb.f.) R.E.Schult. & Garay [MAAS Peru]
 00ZW12093 E amazonica (Rchb.f.) R.E.Schult. & Garay [RCK French Guiana]
 00ZW09678 I G discolor (Lindl.) R.E.Schult. & Garay
- Cochlioda**
 00ZW02825 I G noezliana (hort.) Rolfe
 00ZW12035 I E noezliana (hort.) Rolfe [Peru]
 00ZW12119 U noezliana (hort.) Rolfe

Orchidaceae

- 00ZW02809 I G vulcanica (Rchb.f.) Benth. & J.D.Hook. ex Veitch
 00ZW02821 I G vulcanica (Rchb.f.) Benth. & J.D.Hook. ex Veitch
- Coelia**
- 00ZW09841 I G triptera (J.E.Sm.) G.Don ex Steud.
 00ZW10615 I G triptera (J.E.Sm.) G.Don ex Steud.
- Coelogyne**
- 00ZW10715 G barbata Lindl. ex Griff.
 00ZW10192 I G x burfordiense hort.
 00ZW10717 I G corymbosa Lindl.
 00ZW11239 I G corymbosa Lindl.
 00ZW02793 I G cristata Lindl. var. cristata
 00ZW02795 I G cristata Lindl. var. cristata
 00ZW02801 I G cristata Lindl. var. cristata
 00ZW02324 I G cristata Lindl. var. hololeuca Rchb.f.
 00ZW06986 I G cristata Lindl. var. lemoniana Godef.Leb.
 00ZW02625 I G dayana Rchb.f.
 00ZW02626 I G dayana Rchb.f.
 00ZW10560 I G elata Lindl.
 00ZW02834 I G I flaccida Lindl.
 00ZW10716 I G flavida Wall. ex Lindl.
 00ZW02317 I G R lawrenceana Rolfe
 00ZW02908 I G massangeana Rchb.f.
 00ZW02912 I G massangeana Rchb.f.
 00ZW10155 G massangeana Rchb.f.
 00ZW09832 I G mayerana Rchb.f.
 00ZW10536 I K mooreana hort. ex Rolfe
 00ZW10774 E spec. [Sarawak]
 00ZW02434 I G speciosa (Bl.) Lindl. var. salmonicolor (Rchb.f.) Schlechte
 00ZW02536 I G speciosa (Bl.) Lindl. var. speciosa
 00ZW02651 I G speciosa (Bl.) Lindl. var. speciosa
 00ZW02652 I G speciosa (Bl.) Lindl. var. speciosa
- Coryanthes**
- 00ZW11827 E macrantha (W.J.Hook.) W.J.Hook. [SCHULTZ Suriname]
- Cycnoches**
- 91ZW00061 S E pentadactylon Lindl. [Peru]
- Cymbidium**
- 00ZW02965 G (Alexanderi albans x Mornytch)
 00ZW10115 I G I devonianum Paxt.
 00ZW11236 G I devonianum Paxt.
 00ZW10754 G formosanum Hayata var. gracillimum (Fukuyama) Liu & Su
 00ZW11194 G gammieanum King & Pantl.
 00ZW10692 G giganteum Wall.

Orchidaceae

00ZW11513	I G	<i>giganteum</i> Wall.
00ZW10215	G	<i>hookerianum</i> Rchb.f.
00ZW02975	G	<i>insigne</i> Rolfe
00ZW02301	I G	<i>lancifolium</i> W.J.Hook.
00ZW02931	G I	<i>lowianum</i> Rchb.f.
00ZW02940	I G I	<i>lowianum</i> Rchb.f.
00ZW10213	G I	<i>lowianum</i> Rchb.f.
00ZW02953	G	'Pauwelsii'
00ZW10694	I G	<i>pendulum</i> (Roxb.) Sw.
00ZW11196	G	<i>pendulum</i> (Roxb.) Sw.
00ZW10761	G	<i>pumilum</i> Rolfe
00ZW11390	G	<i>pumilum</i> Rolfe
00ZW11131	G	<i>x schlegelii</i> Hort.
00ZW10211	I G	<i>simulans</i> Rolfe
00ZW10212	I G	<i>simulans</i> Rolfe
00ZW02201	G	spec.
00ZW02927	G	spec.
00ZW02942	G	spec.
00ZW02952	G	spec.
00ZW09775	G	spec.
00ZW09776	G	spec.
00ZW10218	G	spec.
00ZW11128	G	spec.
00ZW11197	G E	<i>whiteae</i> King & Pantl.

Cyrtopodium

00ZW06872	E	<i>andersonii</i> (Lamb. ex Andre) R.Br. [French Guiana]
90ZW00432	E	<i>glutiniferum</i> [Suriname]
00ZW02781	G	<i>punctatum</i> (L.) Lindl.

Cyrtorchis

00ZW11295	I G	<i>arcuata</i> (Lindl.) Schlechter subsp. <i>variabilis</i> Summerh.
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Dactylorhiza

66BL00406	G	<i>maculata</i> (L.) Soo subsp. <i>maculata</i>
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Dendrobium

00ZW02590	I G	<i>aggregatum</i> Roxb.
00ZW02663	I G	<i>aggregatum</i> Roxb.
00ZW02679	I G	<i>aggregatum</i> Roxb.
00ZW02682	I G	<i>aggregatum</i> Roxb.
00ZW02950	I G	<i>aggregatum</i> Roxb.
00ZW10506	G	<i>aggregatum</i> Roxb.
00ZW11146	I K	<i>amethystoglossum</i> Rchb.f.
00ZW09958	I G	<i>anceps</i> Sw.
00ZW02235	I G	<i>anosmum</i> Lindl.
00ZW02673	I N	<i>anosmum</i> Lindl. [New Guinea]

Orchidaceae

00ZW09758	G	anosmum Lindl.
00ZW06933	I G	bracteosum Rchb.f.
00ZW06894	G	'Cassiope'
00ZW10594	I G	chrysanthum Wall.
00ZW02611	I G	chrysotoxum Lindl.
00ZW02778	I G	chrysotoxum Lindl.
00ZW11906	G	chrysotoxum Lindl.
00ZW10593	G	clavatum Wall.
00ZW02587	I G	crumenatum Sw.
00ZW10117	I G	crumenatum Sw.
00ZW10527	I K	cumulatum Lindl.
00ZW10920	G	cv.
00ZW02455	I G	cymbidioides (Bl.) Lindl.
00ZW11156	I K	dearei Rchb.f.
00ZW02436	I G	x delicatum (F.M.Bailey) F.M.Bailey
00ZW06893	I G	x delicatum (F.M.Bailey) F.M.Bailey
00ZW12002	U	x delicatum (F.M.Bailey) F.M.Bailey
00ZW02423	G	densiflorum Wall.
00ZW02700	I G	farmeri Paxt.
00ZW06874	I G	farmeri Paxt.
00ZW10170	G	farmeri Paxt.
00ZW02919	I G	fimbriatum W.J.Hook. var. oculatum W.J.Hook.
00ZW02921	I G	fimbriatum W.J.Hook. var. oculatum W.J.Hook.
00ZW11507	I G	forbesii Ridl.
00ZW06883	I G	gibsonii Lindl.
00ZW10538	K	gibsonii Lindl.
00ZW11153	I K	guerreroi O.Ames & Quisumb.
00ZW09792	G	hookerianum Lindl.
00ZW02282	G	kingianum Bidw. var. kingianum
00ZW06975	G	kingianum Bidw. var. kingianum
00ZW11004	V G	kingianum Bidw. var. kingianum
00ZW11141	I G	kingianum Bidw. var. kingianum
00ZW11383	I U	kingianum Bidw. var. kingianum
00ZW11583	I G	kingianum Bidw. var. kingianum
00ZW02399	I G	koordersii J.J. Sm.
00ZW09999	I G	kunstleri J.D. Hook.
00ZW02357	I G	lobulatum Rolfe & J.J. Sm.
00ZW02158	I G	loddigesii Rolfe
00ZW02698	I G	moniliforme (L.) Sw.
00ZW10902	I G	moniliforme (L.) Sw.
00ZW02569	I G	moschatum Sw. var. calceolaria Veitch
00ZW02430	I G	moschatum Sw. var. moschatum
00ZW02431	I G	moschatum Sw. var. moschatum
00ZW02439	I G	moschatum Sw. var. moschatum
00ZW02443	I G	moschatum Sw. var. moschatum
00ZW02570	I G	moschatum Sw. var. moschatum
00ZW09768	I G	moschatum Sw. var. moschatum

Orchidaceae

00ZW10765	I G	nakaharaei Schlechter
00ZW02433	I G	nobile Lindl. var. cooksianum Rchb.f.
00ZW02435	I G	nobile Lindl. var. cooksianum Rchb.f.
00ZW02441	I G	nobile Lindl. var. cooksianum Rchb.f.
00ZW02585	I G	nobile Lindl. var. cooksianum Rchb.f.
00ZW02697	G	nobile Lindl. cv.
00ZW02415	I G	nobile Lindl. var. nobile
00ZW02444	I G	nobile Lindl. var. nobile
00ZW02445	I G	nobile Lindl. var. nobile
00ZW10118	G	nobile Lindl. var. nobile
00ZW10595	I G	nobile Lindl. 'Virginale'
00ZW02450	I E	phalaenopsis Fitzg. [WTTEW <u>New Guinea</u>]
00ZW02451	I E	phalaenopsis Fitzg. [WTTEW <u>New Guinea</u>]
00ZW02452	I E	phalaenopsis Fitzg. [WTTEW <u>New Guinea</u>]
00ZW02457	I E	phalaenopsis Fitzg. [WTTEW <u>New Guinea</u>]
00ZW02684	I E	phalaenopsis Fitzg. [DEKON <u>New Guinea</u>]
00ZW09765	I G	phalaenopsis Fitzg.
00ZW02615	I G	pierardii Roxb.
00ZW06886	I G	pierardii Roxb.
00ZW09747	I G	pierardii Roxb.
00ZW02790	I G I	primulinum Lindl.
00ZW11908	G I	primulinum Lindl.
00ZW10086	G	pulchellum Roxb. ex Lindl.
00ZW10539	I K	rotundatum Benth.
00ZW11335	G	rotundatum Benth.
00ZW09788	E	schulleri J.J. Sm. [<u>New Guinea</u>]
00ZW02151	I G	secundum (Bl.) Lindl.
00ZW10977	I E	secundum (Bl.) Lindl. [<u>Thailand</u>]
00ZW11145	I K	secundum (Bl.) Lindl.
00ZW02447	G	spec.
00ZW09707	G	spec.
00ZW09774	E	spec. [<u>Malagasy</u>]
00ZW10121	G	spec.
00ZW11068	E	spec. [<u>Australia</u>]
00ZW11069	E	spec. [<u>Australia</u>]
00ZW06973	I G	speciosum J.E. Sm. var. fusiforme F.M. Bailey
00ZW02899	I G	speciosum J.E. Sm. var. speciosum
00ZW09790	I E	spectabile (Bl.) Miq. [<u>New Guinea</u>]
00ZW02497	G	'Sunburst'
00ZW02388	I G	x superbiens Rchb.f.
00ZW09795	I E	x superbiens Rchb.f. [<u>New Guinea</u>]
00ZW02413	I G	thyrsoflorum Rchb.f.
00ZW02426	I G	thyrsoflorum Rchb.f.
00ZW02427	I G	thyrsoflorum Rchb.f.
00ZW09953	I G	transparens Wall.
00ZW11022	K	transparens Wall.
00ZW11226	K	transparens Wall.

Orchidaceae

		Dendrochilum	
00ZW02391	I G	aurantiacum Bl.	
00ZW02539	I G	cobbianum Rchb.f.	
00ZW10158	I G	cobbianum Rchb.f.	
00ZW10161	V G	cobbianum Rchb.f.	
00ZW06917	I G	cornutum Bl.	
00ZW06919	I G	cucumerinum Rchb.f.	
00ZW06918	I G	filiforme Lindl.	
00ZW10637	I G	formosanum (Schlechter) Schlechter	
00ZW02549	I G	glumaceum Lindl.	
00ZW02599	I G	glumaceum Lindl.	
00ZW06914	I G	glumaceum Lindl.	
00ZW02248	I G	latifolium Lindl.	
00ZW10987	G	spec.	
00ZW11419	G	spec.	

		Diaphananthe	
00ZW10643	K	bidens (Sw. ex Pers.) Schlechter	
00ZW11313	I E	pellucida (Lindl.) Schltr. [W. Trop. Africa]	
00ZW11321	I E	polydactyla (Kraenzl.) Summerh. [W. Trop. Africa]	
00ZW10645	I K	rutila (Rchb.f.) Summerh.	
00ZW11172	I E	rutila (Rchb.f.) Summerh. [Kenya]	

		Dichaea	
00ZW10245	I E	brachypoda Rchb.f. [M&PAF <u>Suriname</u>]	
00ZW11053	K	cogniauxiana Schltr.	
00ZW11766	I E	muricata (Sw.) Lindl. [V.RD. 843 <u>Honduras</u>]	
00ZW11134	I E	panamensis Lindl. [MAAS 1210 <u>Costa Rica</u>]	
00ZW11255	E	spec. [<u>Suriname</u>]	
00ZW11405	E	spec. [<u>Suriname</u>]	
00ZW11726	E	spec. [M&SNUV <u>Guyana</u>]	
00ZW11959	E	spec. [C.GOUDA <u>Ecuador</u>]	
00ZW12106	E	spec. [RCK <u>French Guiana</u>]	

		Dipteranthus	
00ZW11523	I K	pellucidus (Rchb.f.) Cogn.	

		Doritis	
00ZW02525	I G K	pulcherrima Lindl.	
00ZW02784	I G K	pulcherrima Lindl.	

		Elleanthus	
00ZW11708	E	spec. [M&SNUV <u>Guyana</u>]	

		Encyclia	
00ZW02581	I G	baculus (Rchb.f.) Dressl. & G.Pollard	
00ZW11572	I K	bulbosa (Vell.) Pabst	

Orchidaceae

- 00ZW11470 I K chacaoensis (Rchb.f.) Dressl. & G.Pollard
 00ZW02459 I G cochleata (L.) Lemee
 00ZW02928 I G cochleata (L.) Lemee
 00ZW09706 I E cochleata (L.) Lemee [KUK Jamaica]
 00ZW09851 I G cochleata (L.) Lemee
 00ZW11040 I K concolor (Llave & Lex.) Schlechter
 00ZW09807 I G cordigera (H.B.K.) Dressl. var. cordigera
 00ZW02261 I E fragrans (Sw.) Lemee [PAF Suriname]
 00ZW02548 I E fragrans (Sw.) Lemee [Suriname]
 00ZW02564 I E fragrans (Sw.) Lemee [PAF Suriname]
 00ZW06818 I E fragrans (Sw.) Lemee [Suriname]
 00ZW09856 I E fragrans (Sw.) Lemee [PAF Suriname]
 00ZW09864 I E fragrans (Sw.) Lemee [PAF Suriname]
 90ZW00427 E fragrans (Sw.) Lemee [Suriname]
 00ZW11352 I K garcianum (Garay & Dunsterv.) Carnevali & I. Ramirez
 00ZW11585 I G grammatoglossa (Rchb.f.) Dressl.
 00ZW11478 I K guatemalensis (Klotzsch) Dressl. & G.Pollard
 00ZW11473 I K linkiana (Klotzsch) Schlechter
 00ZW11039 I K microbulbon (W.J.Hook.) Schlechter
 00ZW10972 I E nematocaulon (A.Rich.) Acuna [Honduras]
 00ZW11353 I K polybulbon Sw.
 00ZW11874 I G polybulbon Sw.
 00ZW10091 I E prismatocarpa (Rchb.f.) Dressl. [GRIJPM Costa Rica]
 00ZW06989 I G pygmaea (W.J.Hook.) Dressl.
 00ZW02725 I G radiata (Lindl.) Dressl.
 00ZW11876 I G rhynchophora (A.Rich. & Gal.) Dressl.
 90ZW00426 E selligera (Lindl.) Schltr. [Suriname]
 00ZW06864 E spec. [French Guiana]
 00ZW09843 E spec. [MAAS Suriname]
 00ZW11665 E spec. [M&SNUV Guyana]
 00ZW11711 E spec. [M&SNUV Guyana]
 00ZW11783 E spec. [STOFF Saba]
 00ZW11955 E spec. [C.GOUDA Ecuador]
 00ZW11962 E spec. [C.GOUDA Ecuador]
 91ZW00023 E spec. [Mexico]
 91ZW00025 E spec. [Mexico]
 91ZW00026 E spec. [Mexico]

10 of 13 accessions sharing this taxon are listed above

- 00ZW06817 I E vespa (Vell.) Dressl. [Suriname]
 00ZW06867 I E vespa (Vell.) Dressl. [French Guiana]
 00ZW09874 I E vespa (Vell.) Dressl. [PAF Suriname]
 00ZW11660 E vespa (Vell.) Dressl. [M&SNUV Guyana]
 90ZW00428 E vespa (Vell.) Dressl. [Suriname]

Epidendrum

- 00ZW10772 I G anceps Jacq.
 00ZW11782 I E anceps Jacq. [STOFF Saba]

Orchidaceae

- 00ZW11784 I E anceps Jacq. [STOFF Saba]
 00ZW06970 I G boothii (Lindl.) L.O. Williams
 00ZW02464 I G ciliare L.
 00ZW02468 I E ciliare L. [JCL Suriname]
 00ZW02637 I G ciliare L.
 00ZW06944 I E ciliare L. [Venezuela]
 00ZW11846 E ciliare L. [MAAS Guyana]
 00ZW10264 I E coriifolium Lindl. [GRIJPMA Costa Rica]
 00ZW02161 G cv.
 00ZW06895 G cv.
 00ZW09810 E difforme Jacq. [Venezuela]
 00ZW11780 I E difforme Jacq. [STOFF Saba]
 00ZW11038 I K diffusum Sw.
 00ZW11161 I G diffusum Sw.
 00ZW02772 G ellipticum Lindl.
 00ZW10926 I E elongatum Jacq. [PAF Colombia]
 00ZW11650 I E elongatum Jacq. [M&SNUV Guyana]
 00ZW11721 E elongatum Jacq. [M&SNUV Guyana]
 00ZW11794 I E elongatum Jacq. [MAAS Peru]
 00ZW11793 I E excisum Lindl. [MAAS 4647 Peru]
 00ZW09813 I E ferrugineum Ruiz & Pav. [Venezuela]
 00ZW06937 I E ibaguense H.B.K. [Venezuela]
 00ZW09773 I E ibaguense H.B.K. [Malagasy]
 00ZW10572 G ibaguense H.B.K.
 00ZW09798 S G medusae (Rchb.f.) Siebert
 00ZW06830 I E nocturnum Jacq. [Suriname]
 00ZW11501 I E nocturnum Jacq. [SCHULTZ Suriname]
 00ZW11620 E nocturnum Jacq. [SCHULTZ Suriname]
 00ZW11706 E nocturnum Jacq. [M&SNUV Guyana]
 00ZW11734 I E nocturnum Jacq. [M&SNUV Guyana]
 00ZW02884 I G x obrienianum Rolfe
 00ZW02463 I G paniculatum Ruiz & Pav.
 00ZW09725 I N paniculatum Ruiz & Pav. [Peru]
 00ZW09900 I E paniculatum Ruiz & Pav. [MAAS Suriname]
 00ZW10722 I G paniculatum Ruiz & Pav.
 00ZW09826 I G parkinsonianum W.J.Hook.
 00ZW11902 G parkinsonianum W.J.Hook.
 00ZW10890 I G purpurascens Focke
 00ZW11253 I E purpurascens Focke [Suriname]
 00ZW11612 I E rigidum Jacq. [SCHULTZ Suriname]
 00ZW11836 E rigidum Jacq. [SCHULTZ Suriname]
 00ZW11987 E schlechterianum O.Ames [SCHULTZ Suriname]
 00ZW11889 G schweinfurthianum Correll
 00ZW11258 I E sculptum Rchb.f. [BL 77** Suriname]
 00ZW02515 I G secundum Jacq.
 00ZW02636 I G secundum Jacq.
 00ZW06960 I E secundum Jacq. [Venezuela]

Orchidaceae

00ZW09750	I	N	secundum Jacq. [Peru]
00ZW11554	I	G	secundum Jacq.
00ZW11806	I	E	secundum Jacq. [MAAS 4798 Ecuador]
00ZW11351	I	K	siphonosepalum Garay & Dunsterv.
00ZW02945		G	spec.
00ZW10996		G	spec.
00ZW11267		E	spec. [BL 91 Suriname]
00ZW11510		E	spec. [SCHULTZ Suriname]
00ZW11532		K	spec.
00ZW11893		G	spec.
00ZW02630	I	G	stamfordianum Batem.
00ZW02657	I	G	stamfordianum Batem.
00ZW11607	I	E	stenopetalum W.J.Hook. [SCHULTZ Suriname]

Epipactis

66BL00409		G	helleborine (L.) Crantz
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Eria

00ZW06983		G	albido-tomentosa (Bl.) Lindl.
00ZW10605	I	G	albido-tomentosa (Bl.) Lindl.
00ZW10604		G	biflora Griff.
00ZW10864	I	G	biflora Griff.
00ZW10037	I	G I	bractescens Lindl.
00ZW02765	I	G	coronaria (Lindl.) Rchb.f.
00ZW10236	I	G	coronaria (Lindl.) Rchb.f.
00ZW02551	I	G	floribunda Lindl.
00ZW11435	I	E	hyacinthoides (Bl.) Lindl. [HEKK Bali]
00ZW02568	I	G	javanica (Sw.) Bl.
00ZW02614	I	G	multiflora (Bl.) Lindl.
00ZW09844	I	G	oligotricha Schlechter
00ZW10561		U	pannea Lindl.
00ZW11986		U	pseudotomentosa
00ZW02275	I	G	rosea Lindl.
00ZW09823		G	spec.
00ZW10837		G	spec.
00ZW11386		G	spec.
00ZW02320	I	G	spicata (D.Don) Hand.-Mazz.
00ZW09987	I	G	spicata (D.Don) Hand.-Mazz.
00ZW10510	I	G	stricta Lindl.
00ZW11094	I	K	stricta Lindl.
00ZW11385	I	G	stricta Lindl.
00ZW02202		G	vittata Lindl.

Erythrodes

90ZW00583		G	sagraeana (A. Rich.) León
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Orchidaceae

- 00ZW10895 I G **Gastrochilus**
 acutifolius (Lindl.) O.Kuntze
- 00ZW10705 G
 calceolaris D.Don
- 00ZW10962 I K
 calceolaris D.Don
- 00ZW11245 I E **Genyorchis**
 pumila (Sw.) Schlechter [Ivory Coast]
- 00ZW11546 I K **Gomesa**
 barkeri (W.J.Hook.) Regel
- 00ZW10010 I G
 foliosa (W.J.Hook.) Klotzsch
- 00ZW11549 I K
 glaziovii Cogn.
- 00ZW02284 I G V **Gongora**
 galeata (Lindl.) Rchb.f.
- 00ZW09815 I E
 quinquenervis Ruiz & Pav. [Venezuela]
- 00ZW10011 I G
 quinquenervis Ruiz & Pav.
- 00ZW11752 E
 spec. [M&SNUV Guyana]
- 00ZW10697 I G **Grobya**
 amherstiae Lindl.
- 00ZW09704 I G EV **Helcia**
 sanguinolenta Lindl.
- 00ZW10736 I G EV
 sanguinolenta Lindl.
- 00ZW12058 E EV
 sanguinolenta Lindl. [Peru]
- 00ZW11416 G **Homalopetalum**
 spec.
- 00ZW12157 E **Ionopsis**
 utricularioides (Sw.) Lindl. [Brazil]
- 00ZW12159 E
 utricularioides (Sw.) Lindl. [Brazil]
- 00ZW12161 E
 utricularioides (Sw.) Lindl. [Brazil]
- 90ZW00430 E
 utricularioides (Sw.) Lindl. [Suriname]
- 00ZW10998 I G **Isabelia**
 pulchella (Kraenzl.) Sengh. & Teusch.
- 00ZW10012 I G **Isochilus**
 linearis (Jacq.) R.Br.
- 00ZW10596 I G **Jacquiella**
 equitantifolia (Ames) Dressl.
- 00ZW10775 I E
 globosa (Jacq.) Schlechter [Venezuela]
- 00ZW11642 I E
 globosa (Jacq.) Schlechter [M&SNUV Guyana]
- 00ZW11697 I E
 globosa (Jacq.) Schlechter [M&SNUV Guyana]

Orchidaceae

- 00ZW11538 K spec.
 00ZW11297 I G teretifolia (Sw.) Britt. & Wils.
 00ZW11596 I E teretifolia (Sw.) Britt. & Wils. [BG Jamaica]

Koellensteinia

- 00ZW12121 U spec.

Laelia

- 00ZW11203 I G V albida Batem. ex Lindl.
 00ZW02642 I N anceps Lindl. [C.America]
 00ZW02668 I G anceps Lindl.
 00ZW02669 I G anceps Lindl.
 00ZW11125 G anceps Lindl. 'Alba'
 00ZW06889 I G V autumnalis Lindl.
 00ZW02303 I G cinnabarina Batem.
 00ZW11506 G crispera (Lindl.) Rchb.f.
 00ZW11458 K fidelensis Pabst
 00ZW10726 I G E gouldiana Rchb.f.
 00ZW06896 I G lobata (Lindl.) Veitch
 00ZW11388 G lobata (Lindl.) Veitch 'Alba'
 00ZW11461 K lueddemanni (Prill.) L.O.Williams
 00ZW10579 I G lundii (Rchb.f. ex Warming) Cogn.
 00ZW02659 I G perrinii (Lindl.) Batem.
 00ZW02660 I G perrinii (Lindl.) Batem.
 00ZW02866 I G perrinii (Lindl.) Batem.
 00ZW11505 I N purpurata Lindl. [Brazil]
 00ZW10580 G superbians Lindl.

x Laeliocattleya

- 00ZW10157 G callistoglossa hort.
 00ZW02496 G 'Canhamiana'

Lanium

- 00ZW11727 I E microphyllum (Lindl.) Benth. [M&SNUV Guyana]
 00ZW12092 I E microphyllum (Lindl.) Benth. [RCK French Guiana]
 00ZW12094 I E microphyllum (Lindl.) Benth. [RCK French Guiana]
 90ZW00422 E microphyllum (Lindl.) Benth. [Suriname]

Leptotes

- 00ZW06910 I G bicolor Lindl. var. bicolor
 00ZW06913 I G bicolor Lindl. var. serrulata Rchb.f.

Liparis

- 00ZW10638 I K I nervosa (Thunb.) Lindl.
 00ZW02820 I G viridiflora (Bl.) Lindl.
 00ZW10619 G viridiflora (Bl.) Lindl.

Orchidaceae

Lockhartia

- 00ZW02605 I E elegans W.J.Hook. [JCL Suriname]
 00ZW11159 I E imbricata (Lam.) F.C.Hoehne [MAAS French Guiana]
 00ZW11933 I E longifolia (Lindl.) Schlechter [C.GOUDE Ecuador]
 00ZW11217 I G lunifera (Lindl.) Rchb.f.
 00ZW02655 I G oerstedii Rchb.f.
 00ZW10058 I E oerstedii Rchb.f. [GRIJPM Costa Rica]

Ludisia

- 00ZW02692 I G discolor (Ker-Gawl.) A.Rich. var. dawsoniana (Low ex Rchb.f.) Schlechter
 00ZW02861 I G discolor (Ker-Gawl.) A.Rich. var. discolor
 90ZW00454 G discolor (Ker-Gawl.) A.Rich. var. discolor

Lycaste

- 00ZW02544 I G aromatica (R.Grah. ex W.J.Hook.) Lindl.
 00ZW02836 I G aromatica (R.Grah. ex W.J.Hook.) Lindl.
 00ZW11240 G aromatica (R.Grah. ex W.J.Hook.) Lindl.
 91ZW00069 S E ciliata (Ruiz & Pav.) Lindl. ex Rchb.f. [Peru]
 00ZW11218 I G consobrina Rchb.f.
 00ZW11875 I G consobrina Rchb.f.
 00ZW11481 I G V crinita Lindl.
 00ZW10872 I G cruenta (Lindl.) Lindl.
 00ZW10618 I G deppei (Lodd.) Lindl.
 00ZW12036 E fimbriata (Poepp. & Endl.) Cogn. [Peru]
 00ZW12038 E locusta Rchb.f. [Peru]
 00ZW12117 U locusta Rchb.f.
 00ZW12037 E longipetala (Ruiz & Pav.) Garay [Peru]
 00ZW09957 I G macrophylla (Poepp. & Endl.) Lindl.

Macodes

- 90ZW00453 G petola (Bl.) Lindl.

x Macrangraecum

- 00ZW11910 G veitchii (hort. Veitch) Constantin

Malaxis

- 00ZW11490 I G commelinifolia (Zoll. & Mor.) O.Kuntze
 00ZW11438 E spec. [HEKK Bali]

Masdevallia

- 00ZW12059 E X amabilis Rchb.f. & Warsc. [Peru]
 00ZW11016 I G amanda Rchb.f. & Warsz.
 00ZW10522 I K bella Rchb.f.
 00ZW10567 I G coriacea Lindl.
 00ZW10565 I G edwallii Cogn.
 00ZW02367 I G erythrochaete Rchb.f.

Orchidaceae

- 00ZW11012 I G floribunda Lindl.
 00ZW11573 I G ignea Rchb.f.
 00ZW02271 I G infracta Lindl.
 00ZW02369 I G infracta Lindl.
 00ZW10827 I E infracta Lindl. [Brazil]
 00ZW12091 I E lansbergii Rchb.f. [RCK French Guiana]
 00ZW11018 I G melanoxantha J.J.Lind. & Rchb.f.
 00ZW11602 I E minuta Lindl. [SCHULTZ Suriname]
 00ZW10571 I G pachyantha Rchb.f.
 00ZW11981 G peristeria Rchb.f.
 00ZW12062 E replicata [Peru]
 00ZW10569 I G simula Rchb.f.
 00ZW10000 G spec.
 00ZW12108 U spec.
 91ZW00059 E spec. [Peru]
 91ZW00060 E spec. [Peru]
 91ZW00062 E spec. [Peru]
 00ZW06941 I E tovarensis Rchb.f. [Venezuela]
 00ZW02315 I G veitchiana Rchb.f.

Maxillaria

- 00ZW09671 I E alba (W.J.Hook.) Lindl. [MAAS Suriname]
 00ZW11882 I E alba (W.J.Hook.) Lindl. [LEEU French Guiana]
 00ZW12085 I E alba (W.J.Hook.) Lindl. [RCK French Guiana]
 00ZW11661 V E amazonica Schlechter [M&SNUV Guyana]
 00ZW11631 I E bolivarensis C.Schweinf. [M&SNUV Guyana]
 00ZW11696 I E bolivarensis C.Schweinf. [M&SNUV Guyana]
 00ZW02946 I G camaridii Rchb.f.
 00ZW06848 I E camaridii Rchb.f. [Suriname]
 00ZW06987 I E camaridii Rchb.f. [KUK Suriname]
 00ZW09717 E camaridii Rchb.f. [KUK Suriname]
 00ZW11412 I E camaridii Rchb.f. [MH&JW French Guiana]
 00ZW10625 I G coccinea (Jacq.) L.O.Williams ex Hodge
 00ZW11235 I G coccinea (Jacq.) L.O.Williams ex Hodge
 00ZW11772 I E coccinea (Jacq.) L.O.Williams ex Hodge [STOFF Saba]
 00ZW11778 I E coccinea (Jacq.) L.O.Williams ex Hodge [STOFF Saba]
 00ZW11939 E coccinea (Jacq.) L.O.Williams ex Hodge [MAAS 6400 Santo Domingo]
 00ZW10511 I G cogniauxiana F.C.Hoehne
 00ZW02234 G curtipes W.J.Hook.
 00ZW06807 I E desvauxiana Rchb.f. [Suriname]
 90ZW00251 I E discolor (Lodd. ex Lindl.) Rchb.f. [F.BI French Guiana]
 90ZW00252 I E discolor (Lodd. ex Lindl.) Rchb.f. [F.BI French Guiana]
 90ZW00253 I E discolor (Lodd. ex Lindl.) Rchb.f. [F.BI French Guiana]
 00ZW10080 I E elatior Rchb.f. [GRIJPA Costa Rica]
 00ZW10269 I E friedrichtshalii Rchb.f. [VR&AK Costa Rica]
 00ZW11257 I E imbricata Barb.-Rodr. [BL 81-010 Suriname]

Orchidaceae

- 00ZW06809 I E kegelii Rchb.f. [Suriname]
 00ZW06810 I E kegelii Rchb.f. [Suriname]
 00ZW06812 I E kegelii Rchb.f. [Suriname]
 00ZW06991 I E kegelii Rchb.f. [KUK 3079 Suriname]
 00ZW09677 I E kegelii Rchb.f. [MAAS Suriname]
 00ZW12148 S E kegelii Rchb.f. [GR&JJ French Guiana]
 00ZW10250 I E luteoalba Lindl. [GRIJPMA Costa Rica]
 00ZW10575 G marginata (Lindl.) Fenzl
 00ZW10518 I E pachyphylla Schlechter ex F.C.Hoehne [Brazil]
 00ZW10787 I E parkeri W.J.Hook. [MAAS Acre]
 00ZW11863 I E parkeri W.J.Hook. [MAAS Guyana]
 00ZW11678 I E perparva Garay & Dunsterv. [M&SNUV Guyana]
 00ZW11550 I K picta W.J.Hook.
 00ZW11880 I G picta W.J.Hook.
 00ZW10517 I E plebeja Rchb.f. [Brazil]
 00ZW02715 I G porphyrostele Rchb.f.
 00ZW10512 I G porphyrostele Rchb.f.
 00ZW11270 I E purpurea (Spreng.) O.Ames & Correll [BL 79 Suriname]
 00ZW11394 I E purpurea (Spreng.) O.Ames & Correll [EAM Suriname]
 00ZW11649 I E purpurea (Spreng.) O.Ames & Correll [M&SNUV Guyana]
 00ZW11663 I E purpurea (Spreng.) O.Ames & Correll [M&SNUV Guyana]
 00ZW12084 I E purpurea (Spreng.) O.Ames & Correll [RCK French Guiana]
 00ZW11953 I E reichenheimiana Endes & Rchb.f. [C.G. GOUDA Ecuador]
 00ZW11418 I G ringens Rchb.f.
 00ZW02226 I G robusta Barb.-Rodr.
 00ZW10263 I E rubrilabia Schlechter [GRIJPMA Costa Rica]
 00ZW06811 I E rufescens Lindl. [Suriname]
 00ZW09740 I G rufescens Lindl.
 00ZW11673 I E rufescens Lindl. [M&SNUV Guyana]
 00ZW11693 I E rufescens Lindl. [M&SNUV Guyana]
 00ZW12040 E EV sanderiana Rchb.f. [Peru]
 00ZW11551 K setigera Lindl.
 00ZW02524 I G sophronitis (Rchb.f.) Garay
 00ZW10616 I G sophronitis (Rchb.f.) Garay
 00ZW10825 E spec. [Brazil]
 00ZW11441 E spec. [MAAS Ecuador]
 00ZW11633 E spec. [M&SNUV Guyana]
 00ZW11638 E spec. [M&SNUV Guyana]
 00ZW11667 E spec. [M&SNUV Guyana]
 00ZW11668 E spec. [M&SNUV Guyana]
 00ZW11674 E spec. [M&SNUV Guyana]
 00ZW11689 E spec. [M&SNUV Guyana]
 00ZW11705 E spec. [M&SNUV Guyana]
 00ZW11707 E spec. [M&SNUV Guyana]
 10 of 24 accessions sharing this taxon are listed above
 00ZW11370 I K spilotantha Rchb.f.

Orchidaceae

- 00ZW06850 I E splendens Poepp. & Endl. [Suriname]
 00ZW06826 I E superflua Rchb.f. [Suriname]
 00ZW09736 I E superflua Rchb.f. [Peru]
 00ZW11264 I E superflua Rchb.f. [BL 75** Suriname]
 00ZW11403 I E superflua Rchb.f. [Suriname]
 00ZW11884 E superflua Rchb.f. [LEEU French Guiana]
 00ZW12096 I E superflua Rchb.f. [RCK French Guiana]
 90ZW00424 E superflua Rchb.f. [Suriname]
 00ZW02422 I G tenuifolia Lindl.
 00ZW02440 I G tenuifolia Lindl.
 00ZW02688 I G tenuifolia Lindl.
 90ZW00254 I E trinitatis Ames [F.BI French Guiana]
 90ZW00255 I E trinitatis Ames [F.BI French Guiana]
 00ZW02428 I E uncata Lindl. [PAF Suriname]
 00ZW02600 I E uncata Lindl. [PAF Suriname]
 00ZW02601 E uncata Lindl.
 00ZW09709 I E uncata Lindl. [KUK Suriname]
 00ZW11414 I E uncata Lindl. [MH&JW French Guiana]
 00ZW11713 I E uncata Lindl. [M&SNUV Guyana]
 00ZW11768 I E uncata Lindl. [V.RD. 838 Honduras]
 00ZW11938 E uncata Lindl. [C.GOUDA Ecuador]
 00ZW12100 I E uncata Lindl. [RCK French Guiana]
 00ZW12102 I E uncata Lindl. [RCK French Guiana]
- 10 of 11 accessions sharing this taxon are listed above
- 00ZW02343 I G variabilis Batem. ex Lindl.
 00ZW02608 I E variabilis Batem. ex Lindl. [Venezuela]
 00ZW09753 I G variabilis Batem. ex Lindl.
 00ZW06824 I E violaceo-punctata Rchb.f. [Suriname]
 00ZW11835 I E violaceo-punctata Rchb.f. [SCHULTZ Suriname]

Miltonia

- 00ZW02567 I G clowesii Lindl.
 00ZW06898 I G clowesii Lindl.
 00ZW11895 G clowesii Lindl.
 90ZW00501 K cuneata Lindl.
 00ZW02724 I G flavescens Lindl.
 00ZW02848 I G flavescens Lindl.
 00ZW02547 I G regnellii Rchb.f.
 00ZW09780 I G spectabilis Lindl. var. moreliana Henfr.
 00ZW11504 I E spectabilis Lindl. var. moreliana Henfr. [SCHULTZ Suriname]
 00ZW10728 I G spectabilis Lindl. var. spectabilis

Milioniopsis

- 00ZW11557 I G vexillaria (Rchb.f.) Godefr.

Orchidaceae

00ZW10505	G	Monomeria punctata (Lindl.) Schlechter
00ZW02322	I G	Mormolyca ringens (Lindl.) Schlechter
91ZW00070	S E	ringens (Lindl.) Schlechter [Peru]
00ZW11387	I E	Nageliella purpurea (Lindl.) L.O. Williams [Suriname]
00ZW02491	I G	Neobenthamia gracilis Rolfe
00ZW11841	G	Neomoorea wallisii Rchb.f.
00ZW11045	I K	Notylia barkeri Lindl.
00ZW11049	I K	Oberonia muellerana Schlechter
00ZW02400	I G	Octomeria crassifolia Lindl.
00ZW02563	I G	crassifolia Lindl.
00ZW02566	I G	crassifolia Lindl.
00ZW10514	I E	crassifolia Lindl. [Brazil]
00ZW10613	I G	crassifolia Lindl.
00ZW12003	I G	crassifolia Lindl.
00ZW11339	I K	deltoglossa Garay
00ZW11729	I E	deltoglossa Garay [M&SNUV Guyana]
00ZW11542	I K	grandiflora Lindl.
00ZW11552	I K	grandiflora Lindl.
00ZW10562	I U	palmyrabellae Barb.-Rodr.
00ZW10516	E	spec. [Brazil]
00ZW10519	E	spec. [Brazil]
00ZW11623	E	spec. [SCHULTZ Suriname]
00ZW11991	E	spec. [Suriname]
00ZW11838	E	surinamensis Focke [SCHULTZ Suriname]
00ZW02827	G	x Odontioda 'August Janssen'
00ZW02797	G	cv.
00ZW02815	G	cv.
00ZW02826	G	cv.
00ZW02841	G	cv.
00ZW02856	G	cv.

Orchidaceae

Odontoglossum

- 00ZW02761 I G bictoniense (Batem.) Lindl.
 00ZW10771 I G cariniferum Rchb.f.
 00ZW11214 I G convallarioides (Schlechter) O.Ames & Correll
 00ZW02755 I G cordatum Lindl.
 00ZW10503 I G cordatum Lindl.
 00ZW12050 E R epidendroides H.B.K. [Peru]
 00ZW02190 I G grande Lindl. var. grande
 00ZW02192 I G grande Lindl. var. grande
 00ZW02807 I G grande Lindl. var. grande
 00ZW12052 E harryanum Rchb.f. [Peru]
 00ZW02757 I G laeve Lindl.
 00ZW11565 I U lindenii Lindl.
 00ZW02756 I G majale Rchb.f.
 00ZW11575 I G majale Rchb.f.
 00ZW12053 E multistellare Rchb.f. [Peru]
 00ZW11371 I K naevium Lindl.
 00ZW11566 I E naevium Lindl. [HVDW Venezuela]
 00ZW02759 I G nebulosum Lindl.
 00ZW06854 I G nebulosum Lindl.
 00ZW02867 I G V pendulum (Llave & Lex.) Batem.
 00ZW02869 I G V pendulum (Llave & Lex.) Batem.
 00ZW02879 I G V pendulum (Llave & Lex.) Batem.
 00ZW11238 G V pendulum (Llave & Lex.) Batem.
 00ZW02814 I G pulchellum Batem. ex Lindl.
 00ZW02840 I G pulchellum Batem. ex Lindl.
 00ZW02850 I G pulchellum Batem. ex Lindl.
 00ZW02854 I G pulchellum Batem. ex Lindl.
 00ZW02868 I G pulchellum Batem. ex Lindl.
 00ZW12051 E ramosissimum Lindl. [Peru]
 00ZW11126 I G rossii Lindl.
 00ZW10964 E spec. [Colombia]
 00ZW12111 U spec.
 00ZW12113 U spec.
 00ZW10249 I E stenoglossum (Schlechter) L.O.Williams [GRIJPMA Costa Rica]
 00ZW02876 I G 'Thompsonianum'
 00ZW02800 I G R uroskinneri Lindl.
 00ZW02873 I G R uroskinneri Lindl.

Oncidium

- 00ZW11457 I K abortivum Rchb.f.
 00ZW11934 I E abortivum Rchb.f. [C.GOUDA Ecuador]
 00ZW12009 E altissimum (Jacq.) Sw. [GRIJPMA Costa Rica]
 00ZW12179 E altissimum (Jacq.) Sw. [Brazil]
 00ZW12180 E altissimum (Jacq.) Sw. [Brazil]
 00ZW12181 E altissimum (Jacq.) Sw. [Brazil]

Orchidaceae

00ZW12182	E	altissimum (Jacq.) Sw. [Brazil]
00ZW12055	E	annulare Rchb.f. [Peru]
00ZW11941	E	aureum Lindl. [MAAS 6176 Peru]
00ZW12045	E	aureum Lindl. var. aureum [Peru]
00ZW11834	G	aurisasinorum Standl. & L.O.Williams [SCHULTZ]
00ZW06920	I G	baueri Lindl.
00ZW10823	I E	baueri Lindl. [Suriname]
00ZW10737	I G	bicallosum Lindl.
00ZW11379	I K	blanchetii Rchb.f.
00ZW11367	I K	boothianum Rchb.f.
00ZW12065	E	cajamarcae Schlechter [Peru]
00ZW11904	G	cavendishianum Batem.
00ZW10871	I G	cebolleta (Jacq.) Sw.
00ZW11363	I K	cebolleta (Jacq.) Sw.
00ZW11374	I K	concolor W.J.Hook. var. ottonis (Schlechter) Pabst
00ZW12046	E	dichorum Rolfe [Peru]
00ZW02141	I G	excavatum Lindl.
00ZW12044	E	excavatum Lindl. [Peru]
00ZW10739	I G	forbesii W.J.Hook.
00ZW02979	I G	harrisonianum Lindl.
00ZW10883	I G	harrisonianum Lindl.
00ZW11905	G	hastatum (Batem.) Lindl.
00ZW11369	I K	heteranthum Poepp. & Endl.
00ZW02476	I G	hians Lindl.
00ZW02477	I G	hians Lindl.
00ZW06851	I E	lanceanum Lindl. [Suriname]
00ZW10555	E	lanceanum Lindl. [Suriname]
00ZW11285	I E	lanceanum Lindl. [BL Suriname]
00ZW11373	I K V	leucochilum Batem. ex Lindl.
00ZW10621	G	liebmannii Rchb.f. ex Kraenzl.
00ZW10768	I G	liebmannii Rchb.f. ex Kraenzl.
00ZW12183	E	lietzei Regel [Brazil]
00ZW12184	E	lietzei Regel [Brazil]
00ZW12185	E	lietzei Regel [Brazil]
00ZW12187	E	lietzei Regel [Brazil]
00ZW12188	E	lietzei Regel [Brazil]
00ZW12190	E	lietzei Regel [Brazil]
00ZW06888	I G	maculatum (Lindl.) Lindl.
00ZW10730	I G	maculatum (Lindl.) Lindl.
00ZW02710	I G	microchilum Batem. ex Lindl.
00ZW11567	I E	obryzatum Rchb.f. [HVDW Venezuela]
00ZW11578	I E	obryzatum Rchb.f. [HVDW Venezuela]
00ZW02483	I G	ornithorhynchum H.B.K.
00ZW10624	I G	ornithorhynchum H.B.K.
00ZW10521	I K	papilio Lindl.
00ZW10889	I G	phymatochilum Lindl.
00ZW11492	I G	phymatochilum Lindl.

Orchidaceae

00ZW02591	G	pulvinatum Lindl.
00ZW11452	K	spec.
00ZW11651	E	spec. [M&SNUV <u>Guyana</u>]
00ZW11659	E	spec. [M&SNUV <u>Guyana</u>]
00ZW11858	E	spec. [MAAS <u>Guyana</u>]
00ZW12070	E	spec. [<u>Peru</u>]
91ZW00063	E	spec. [<u>Peru</u>]
00ZW02471	I G	sphacelatum Lindl.
00ZW02511	I G	sphacelatum Lindl.
00ZW09767	I G	sphacelatum Lindl.
00ZW09770	I G	sphacelatum Lindl.
00ZW11381	I K	spilopterum Lindl.
00ZW02481	I G	splendidum A.Rich. ex Duchartre
00ZW02482	I G	splendidum A.Rich. ex Duchartre
00ZW02597	I G	splendidum A.Rich. ex Duchartre
00ZW10164	I G	splendidum A.Rich. ex Duchartre
00ZW10256	I E	stenotis Rchb.f. [GRIJPMA <u>Costa Rica</u>]
00ZW11206	I G V	tigrinum Llave & Lex. var. unguiculatum (Lindl.) Lindl.
00ZW10501	I G	uniflorum Booth ex Lindl.
00ZW11482	I G	uniflorum Booth ex Lindl.
00ZW10741	I G	varicosum Lindl. var. rogersii (Batem.) Rchb.f.
00ZW11411	V E R	versteegianum Pulle [MH&JW <u>French Guiana</u>]
00ZW11368	I K	volvox Rchb.f.
00ZW11454	I K	waluwewa Rolfe
00ZW02473	I G	wentworthianum Batem. ex Lindl.

Ornithidium

00ZW02598	I G	densum (Lindl.) Rchb.f.
00ZW09828	I G	densum (Lindl.) Rchb.f.
00ZW10508	I G	densum (Lindl.) Rchb.f.
00ZW11787	E	densum (Lindl.) Rchb.f. [MAAS <u>Peru</u>]

Ornithocephalus

00ZW10024	I E	bicornis Lindl. [<u>Costa Rica</u>]
00ZW11280	I E	bicornis Lindl. [BL <u>Suriname</u>]
00ZW11764	I E	inflexus Lindl. [V.R.D. 840 <u>Honduras</u>]
00ZW11511	I E	kruegeri Rchb.f. [SCHULTZ <u>Suriname</u>]
00ZW12172	E	myrticola Lindl. [<u>Brazil</u>]
00ZW12173	E	myrticola Lindl. [<u>Brazil</u>]
00ZW12174	E	myrticola Lindl. [<u>Brazil</u>]
00ZW12178	E	myrticola Lindl. [<u>Brazil</u>]
91ZW00022	E	spec. [<u>Mexico</u>]
00ZW11046	I K	tripterus Schlechter

Ornithophora

00ZW02258	I G	radicans (Rchb.f.) Garay & Pabst
00ZW02865	I G	radicans (Rchb.f.) Garay & Pabst

Orchidaceae

- 00ZW09997 I G radicans (Rchb.f.) Garay & Pabst
 00ZW11010 I G radicans (Rchb.f.) Garay & Pabst
- Otochilus**
 00ZW11107 K alba Lindl.
- Otoglossum**
 00ZW10255 E brevifolium (Lindl.) Garay & Dunsterv. [GRIJPMA Costa Rica]
 00ZW12072 E brevifolium (Lindl.) Garay & Dunsterv. [Peru]
- Pachyphyllum**
 00ZW11444 I E tortuosum Foldats [CLEEF Colombia]
- Palumbina**
 00ZW11873 I G R candida (Lindl.) Rchb.f.
 00ZW11898 I G R candida (Lindl.) Rchb.f.
- Paphiopedilum**
 00ZW10103 G 'Adela'
 00ZW10107 G 'Andora'
 00ZW12001 G x annamense Guillaumin
 00ZW02173 G 'Arthurianum'
 00ZW02254 G 'Ashburtoniae'
 00ZW02365 G 'Ashburtoniae'
 00ZW02183 I G barbatum (Lindl.) Pfitz.
 00ZW09729 I G callosum (Rchb.f.) Stein
 00ZW10509 I G callosum (Rchb.f.) Stein
 00ZW11230 I G concolor (Batem.) Pfitz.
 00ZW02206 G 'Crossianum'
 00ZW02384 G 'Cyril Lee'
 00ZW02393 G 'Doraeus'
 00ZW02596 G 'Doraeus'
 00ZW12006 E E exul (Ridl.) Rolfe [Thailand]
 00ZW02352 G 'Harefield Hall'
 00ZW02364 G 'Harefield Hall'
 00ZW02207 G 'Harrisianum'
 00ZW02340 G 'Harrisianum'
 00ZW02350 G 'Harrisianum'
 00ZW02204 G insigne (Wall. ex Lindl.) Pfitz. var. insigne
 00ZW02310 I G insigne (Wall. ex Lindl.) Pfitz. var. insigne
 00ZW02339 G insigne (Wall. ex Lindl.) Pfitz. var. insigne
 00ZW02361 I G insigne (Wall. ex Lindl.) Pfitz. var. insigne
 00ZW02240 I G insigne (Wall. ex Lindl.) Pfitz. var. sanderae Rchb.f.
 00ZW02185 I G insigne (Wall. ex Lindl.) Pfitz. var.
 00ZW10900 I G javanicum (Reinw. ex Lindl. & Paxt.) Pfitz.
 00ZW02331 G 'King Arthur'

Orchidaceae

00ZW02414	G	'King Arthur'
00ZW02239	G	'Lathamianum'
00ZW02188	I G	lawrenceanum (Rchb.f.) Pfitz.
00ZW02189	I G	lawrenceanum (Rchb.f.) Pfitz.
00ZW02197	I G	lawrenceanum (Rchb.f.) Pfitz.
00ZW02213	I G	lawrenceanum (Rchb.f.) Pfitz.
00ZW02291	G	'Maudiae'
00ZW02281	G	'Minos Youngii'
00ZW02232	G	'Mona Lisa'
00ZW02394	G	'Mona Lisa'
00ZW02200	G	'Muriel Hollington Venus'
00ZW02344	G	x oenanthum (Rchb.f.) Pfitz.
00ZW11138	I K V	philippinense (Rchb.f.) Stein
00ZW02298	G	'Pollettianum'
00ZW02334	I G	praestans (Rchb.f.) Pfitz. var. kimballianum Lind.
00ZW12000	G	pyrisianum
00ZW02297	G	'Rosy Dawn'
00ZW02149	G	'San-actaeus'
00ZW02163	G	'Sir Redvers Buller'
00ZW02237	G	'Sir Redvers Buller'
00ZW10112	G	'Snowflake'
00ZW11999	G	spec.
00ZW02345	G	'St.Alban'
00ZW09989	I G I	sukhakulii Schoser & Sengh.
00ZW10106	G	'T.W.Abbott'
00ZW02375	I G E	tonsum (Rchb.f.) Stein
00ZW12007	G E	tonsum (Rchb.f.) Stein
00ZW02176	G	'Troilus'
00ZW02342	I G I	venustum (Wall.) Pfitz.
00ZW11903	G	villosum (Lindl.) Stein
00ZW02260	G	'William Mathews'

Phaius

00ZW10146	I G	tancarvilleae (Banks ex L'Herit.) Bl.
00ZW10981	I G	tancarvilleae (Banks ex L'Herit.) Bl.

Phalaenopsis

00ZW10122	I G	amabilis (L.) Bl.
00ZW11181	I E	amabilis (L.) Bl. [FROMME <u>Phillippines</u>]
00ZW02518	I G	lueddemanniana Rchb.f.
00ZW02645	I G	schilleriana Rchb.f.
00ZW10543	K	spec.
00ZW02540	I G	stuartiana Rchb.f.

Phloeophila

00ZW10515	I E	pubescens (Barb.-Rodr.) Garay [<u>Brazil</u>]
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Orchidaceae

Pholidota

- 00ZW10666 I K articulata Lindl.
 00ZW11436 I E carnea (Bl.) Lindl. [HEKK Bali]
 00ZW02728 I G chinensis Lindl.
 00ZW02390 I G imbricata Lindl.
 00ZW02555 I G imbricata Lindl.
 00ZW10160 I G imbricata Lindl.
 00ZW10701 I G imbricata Lindl.
 00ZW10975 I E imbricata Lindl. [Thailand]

Phragmipedium

- 00ZW11940 I E caricinum (Lindl. & Paxt.) Rolfe [MAAS 6005 Peru]
 91ZW00052 E caricinum (Lindl. & Paxt.) Rolfe [Peru]
 00ZW12039 E caudatum (Lindl.) Rolfe [Peru]
 00ZW02312 G cv.
 00ZW02314 G cv.
 00ZW02311 I G x grande Hort.
 00ZW02313 I G 'Schroederae'
 00ZW10130 G 'Schroederae'
 00ZW02305 G x sedenii (Rchb.f.) Pfitz.
 00ZW10133 I G x sedenii (Rchb.f.) Pfitz.
 00ZW10131 I G x sedenii (Rchb.f.) Pfitz. var. candidulum (Rchb.f.) Pfitz.
 00ZW10135 I G x sedenii (Rchb.f.) Pfitz. var. candidulum (Rchb.f.) Pfitz.
 00ZW10136 I G x sedenii (Rchb.f.) Pfitz. var. candidulum (Rchb.f.) Pfitz.
 00ZW10139 I G x sedenii (Rchb.f.) Pfitz. var. candidulum (Rchb.f.) Pfitz.
 00ZW10140 I G x sedenii (Rchb.f.) Pfitz. var. candidulum (Rchb.f.) Pfitz.
 00ZW10142 I G x sedenii (Rchb.f.) Pfitz. var. candidulum (Rchb.f.) Pfitz.
 00ZW12014 E spec. [H.L. 1437 Colombia]

Physosiphon

- 00ZW06925 I G tubatus (Lodd.) Rchb.f.
 00ZW11896 G tubatus (Lodd.) Rchb.f.

Platystele

- 00ZW10769 I G ovalifolia (Focke) Garay & Dunsterv.
 00ZW11243 I E ovalifolia (Focke) Garay & Dunsterv. [PAF Suriname]

Pleione

- 00ZW10507 I G bulbocodioides (Franch.) Rolfe
 67BL00215 I G bulbocodioides (Franch.) Rolfe

Pleurothallis

- 00ZW11427 I E acuminata (H.B.K.) Lindl. [CLEEF Colombia]
 00ZW11433 I E acuminata (H.B.K.) Lindl. [CLEEF Colombia]
 00ZW11753 I E blaisdellii S.Wats. [M&SNUV Guyana]
 00ZW10780 I E breviscapa C.Schweinf. [P 13031 Acre]
 00ZW11944 I E breviscapa C.Schweinf. [MAAS Peru]

Orchidaceae

- 00ZW11358 I K cabellensis Rchb.f.
 00ZW11463 I K ciliaris (Lindl.) L.O.Williams
 00ZW11346 I K ciliolata Schlechter
 00ZW10087 I E circumplexa Lindl. [GRIJPMA Costa Rica]
 00ZW11811 I E cornualis Luer [MAAS Ecuador]
 00ZW10036 I E decipiens O.Ames & C.Schweinf. [Costa Rica]
 00ZW10563 I U discoidea Lindl.
 00ZW11932 I U dodsonii Luer
 00ZW02603 I E grobyi Batem. ex Lindl. [JCL Suriname]
 00ZW10031 I E grobyi Batem. ex Lindl. [Costa Rica]
 00ZW10802 I E grobyi Batem. ex Lindl. [MAAS Parana]
 00ZW11252 I E grobyi Batem. ex Lindl. [Suriname]
 00ZW11634 I E hitchcockii Ames [M&SNUV Guyana]
 00ZW11712 I E hitchcockii Ames [M&SNUV Guyana]
 00ZW11446 I E hypocrita Garay & Dunsterv. [CLEEF Colombia]
 00ZW10938 I E incurva Lindl. [PAF Colombia]
 00ZW11601 V E ionantha Rchb.f. [SCHULTZ Suriname]
 00ZW12098 I E lanceana Lodd. [RCK French Guiana]
 00ZW11067 I E linguifera Lindl. [Colombia]
 00ZW10612 G macrophylla H.B.K.
 00ZW10779 I E mentosa Cogn. [P 13034 Acre]
 00ZW10917 I E minima C.Schweinf. [MAAS Acre]
 00ZW11611 I E minima C.Schweinf. [SCHULTZ Suriname]
 00ZW10244 I E monocardia Rchb.f. [M&PAF Suriname]
 00ZW11670 I E monocardia Rchb.f. [M&SNUV Guyana]
 00ZW11717 I E monocardia Rchb.f. [M&SNUV Guyana]
 00ZW09741 I N obovata (Lindl.) Lindl. [Peru]
 00ZW10614 I G obovata (Lindl.) Lindl.
 00ZW11676 I E orbicularis (Lindl.) Lindl. [M&SNUV Guyana]
 00ZW11847 I E orbicularis (Lindl.) Lindl. [MAAS Guyana]
 00ZW11360 I K pallida Luer
 00ZW09876 I E penduliflora Kraenzl. [PAF Suriname]
 00ZW12095 I E picta Lindl. [RCK French Guiana]
 00ZW11564 I E polygonoides Griseb. [Suriname]
 00ZW12077 S E polygonoides Griseb. [RCK French Guiana]
 00ZW11345 I K pruinosa Lindl.
 00ZW11609 I E pruinosa Lindl. [SCHULTZ Suriname]
 00ZW11675 I E pruinosa Lindl. [M&SNUV Guyana]
 00ZW10831 I U recurva Lindl. var. recurva
 00ZW11019 I G revoluta (Ruiz & Pav.) Garay
 00ZW11002 I G rhodosticta Kraenzl.
 00ZW11842 I E rhodosticta Kraenzl. [CLEEF Colombia]
 00ZW11818 I E ruberrima Lindl. [MAAS Ecuador]
 00ZW11001 I G ruscifolia (Jacq.) R.Br.
 00ZW11671 I E ruscifolia (Jacq.) R.Br. [M&SNUV Guyana]
 00ZW11879 I E ruscifolia (Jacq.) R.Br. [M&SNUV Guyana]
 00ZW11935 I E ruscifolia (Jacq.) R.Br. [C.GOUDA Ecuador]

Orchidaceae

- 00ZW11048 I K schiedei Rchb.f.
 00ZW11537 I K sclerophylla Lindl.
 00ZW11512 I G semperflorens Lindl.
 00ZW10052 E spec. [GRIJPMA Costa Rica]
 00ZW10830 E spec. [Brazil]
 00ZW10933 E spec. [PAF Colombia]
 00ZW11028 E spec. [Colombia]
 00ZW11428 E spec. [CLEEF Colombia]
 00ZW11430 E spec. [CLEEF Colombia]
 00ZW11598 E spec. [Ecuador]
 00ZW11792 E spec. [Peru]
 00ZW11804 E spec. [MAAS Ecuador]
 00ZW11807 E spec. [MAAS Ecuador]
 10 of 24 accessions sharing this taxon are listed above
 00ZW10921 I E talpinaria Rchb.f. [PAF Colombia]
 00ZW10524 I N teres [Malagasy]
 00ZW02818 I G R triangulipetala O.Ames & Correll
 00ZW11355 I K tridentata Klotzsch
 00ZW11582 I E tridentata Klotzsch [HVDW Venezuela]
 00ZW11720 I E uncinata Fawc. [M&SNUV Guyana]
 00ZW11865 I E uniflora Lindl. [MAAS Guyana]
 00ZW10923 I E velaticaulis Rchb.f. [PAF Colombia]
 00ZW11915 I E verecunda Schlechter [Ecuador]
- Podangis**
 00ZW11309 I E dactyloceras (Rchb.f.) Schlechter [W. Trop. Africa]
- Podochilus**
 00ZW11098 K cultratus Lindl.
- Polystachya**
 00ZW11178 I E adansoniae Rchb.f. [Kenya]
 00ZW11288 I E adansoniae Rchb.f. [LANGE Ivory Coast]
 00ZW10606 I G affinis Lindl.
 00ZW11324 I E V albescens Ridl. [W. Trop. Africa]
 00ZW11289 I E bancoensis van Der Burg [LANGE Ivory Coast]
 00ZW11307 I E calluniflora Kraenzl. [W. Trop. Africa]
 00ZW11974 I E concreta (Jacq.) Garay & Sweet [C.GOUDA Ecuador]
 00ZW10988 I E cultriformis (Thou.) Spreng. [Kenya]
 00ZW11300 I E cultriformis (Thou.) Spreng. [W. Trop. Africa]
 00ZW11330 I E elegans Kraenzl. [W. Trop. Africa]
 00ZW06965 I E foliosa (Lindl.) Rchb.f. [Venezuela]
 00ZW11890 I G galeata (Sw.) Rchb.f.
 00ZW11308 E spec. [W. Trop. Africa]
 00ZW11323 E spec. [W. Trop. Africa]
 00ZW11332 E spec. [W. Trop. Africa]
 00ZW11169 I E stricta Rolfe [Kenya]

Orchidaceae

- 00ZW11163 I U tessellata Lindl.
 00ZW11325 I E tessellata Lindl. [W. Trop. Africa]
- Pomatocalpa**
 00ZW10060 I G spicatum Breda
- Ponthieva**
 00ZW11779 I E petiolata Lindl. [STOFF Saba]
 00ZW11742 E racemosa (Walt.) Mohr [M&SNUV Guyana]
 00ZW11912 E spec. [Ecuador]
- Prescottia**
 00ZW09836 I G plantaginea Lindl.
- Promenaea**
 00ZW11362 I K stapelioides (Link & Otto) Lindl.
- Quekettia**
 91ZW00055 E spec. [Peru]
- Rangaeris**
 00ZW11331 I E brachyceras (Summerh.) Summerh. [W. Trop. Africa]
- Restrepia**
 00ZW02837 I G antennifera H.B.K.
 00ZW10635 G antennifera H.B.K.
 00ZW11440 I E ecuadorensis Rolfe [MAAS 2885 Ecuador]
 00ZW11629 I K lansbergii Rchb.f. & Wagner
 00ZW11562 G spec.
 00ZW11907 G spec.
 00ZW10622 I G striata Rolfe
 00ZW09769 I G wagneri Rchb.f.
 00ZW11767 I E xanthophthalma Rchb.f. [V.RD. Honduras]
- Restrepiella**
 00ZW10159 I G ophiocephala (Lindl.) Garay & Dunsterv.
 00ZW10168 I G ophiocephala (Lindl.) Garay & Dunsterv.
- Rodriguezia**
 00ZW12067 E batemanii Poepp. & Endl. [Peru]
- Rodriguezia**
 00ZW09752 I G decora (Lem.) Rchb.f.
 00ZW02830 I G secunda H.B.K.
 00ZW06828 I E secunda H.B.K. [Suriname]
 00ZW11985 E secunda H.B.K. [SCHULTZ Suriname]
 91ZW00056 E secunda H.B.K. [Peru]

Orchidaceae

- 00ZW11539 I K venusta Rchb.f.
- Rodrigueziella**
- 00ZW10892 G spec.
- Rodrigueziopsis**
- 00ZW11872 I G microphyta (Barb.-Rodr.) Schlechter
- Rudolfiella**
- 90ZW00429 E aurantiaca (Lindl.) Hoehne [Suriname]
- Saccolabium**
- 00ZW11093 I K humile Ridl.
- Sarcophyton**
- 00ZW11147 I K pachyphyllum (O.Ames) Garay
- Sauroglossum**
- 00ZW11007 I G nitidum (Vell.) Schlechter
- Scaphosepalum**
- 00ZW10610 I G ochthodes (Rchb.f.) Pfitz.
- 00ZW11491 I G swertiifolium (Rchb.f.) Rolfe
- Scaphyglottis**
- 00ZW02373 I G amethystina (Rchb.f.) Schlechter
- 00ZW06822 I E amethystina (Rchb.f.) Schlechter [Suriname]
- 00ZW06977 I E amethystina (Rchb.f.) Schlechter [KUK Suriname]
- 00ZW10781 I E amethystina (Rchb.f.) Schlechter [P 12723 Acre]
- 00ZW11211 G amethystina (Rchb.f.) Schlechter
- 00ZW12135 I E amethystina (Rchb.f.) Schlechter [GR&JJ French Guiana]
- 00ZW12144 I E amethystina (Rchb.f.) Schlechter [GR&JJ French Guiana]
- 90ZW00433 E amethystina (Rchb.f.) Schlechter [Suriname]
- 00ZW11799 I E cuneata Schlechter [MAAS Ecuador]
- 00ZW02632 I E cuneata Schlechter var. cuneata [Suriname]
- 00ZW06840 I E cuneata Schlechter var. cuneata [Suriname]
- 00ZW06984 I E cuneata Schlechter var. cuneata [KUK Suriname]
- 00ZW02828 I G cuneata Schlechter var. major (-) C.Schweinf.
- 00ZW11859 I E grandiflora O.Ames & C.Schweinf. [MAAS Guyana]
- 00ZW11591 V E leucantha Rchb.f. [Venezuela]
- 00ZW10084 I E lindeniana (A.Rich. & Gal.) L.O.Williams [GRIJPM
Costa Rica]
- 00ZW11259 E spec. [BL 133 Suriname]
- 00ZW11619 E spec. [SCHULTZ Suriname]
- 00ZW11664 E spec. [M&SNUV Guyana]
- 00ZW11682 E spec. [M&SNUV Guyana]
- 00ZW11732 E spec. [M&SNUV Guyana]

Orchidaceae

- 00ZW11845 E spec. [MAAS Guyana]
 00ZW11952 E spec. [C.GOUDA Ecuador]
 00ZW11966 E spec. [C.GOUDA Ecuador]
 00ZW11967 E spec. [C.GOUDA Ecuador]
 00ZW11989 E spec. [Suriname]
 00ZW10017 I E violacea (Lindl.) Lindl. [VR&AK Venezuela]
 00ZW11348 I K violacea (Lindl.) Lindl.
 00ZW11577 I E violacea (Lindl.) Lindl. [HVDW Venezuela]
 00ZW11652 I E violacea (Lindl.) Lindl. [M&SNUV Guyana]
 00ZW11690 I E violacea (Lindl.) Lindl. [M&SNUV Guyana]
 00ZW11699 I E violacea (Lindl.) Lindl. [M&SNUV Guyana]

- x Schombolaelia**
 00ZW02726 G tibibrosa Hort.

- Schomburgkia**
 00ZW02751 I E gloriosa Rchb.f. [Suriname]
 00ZW02762 I E gloriosa Rchb.f. [Suriname]
 00ZW02896 I E gloriosa Rchb.f. [Suriname]
 90ZW00425 E gloriosa Rchb.f. [Suriname]
 00ZW02358 I G humboldtii (Rchb.f.) Rchb.f.
 00ZW02516 G spec.
 00ZW02949 G spec.

- Sigmatostalix**
 00ZW11957 E spec. [C.GOUDA Ecuador]

- Sobralia**
 00ZW02225 I G leucoxantha Rchb.f.
 00ZW02916 I G E macrantha Lindl.
 00ZW02917 I G E macrantha Lindl.
 00ZW02924 I G E macrantha Lindl.
 00ZW10656 I K E macrantha Lindl.
 00ZW10982 I G E macrantha Lindl.
 00ZW09870 I E sessilis Lindl. [PAF Suriname]
 00ZW11785 E spec. [Chiapas]

- Sophronitis**
 00ZW02583 I G cernua Lindl.

- Spathoglottis**
 91ZW01709 G plicata Blume

- Spiranthes**
 00ZW11769 I E plantaginea Lindl. [Venezuela]

Orchidaceae

Stanhopea

- 00ZW10578 G grandiflora (Lodd.) Lindl.
 00ZW02907 I G graveolens Lindl. var. concolor Porsch
 00ZW02905 I G graveolens Lindl. var. graveolens
 00ZW02739 I G graveolens Lindl. var. inodora Regel
 00ZW02902 I G graveolens Lindl. var. inodora Regel
 00ZW02903 I G R hernandezii (Kunth) Schlechter
 00ZW02904 I G R hernandezii (Kunth) Schlechter
 00ZW02906 I G R hernandezii (Kunth) Schlechter
 00ZW10220 I G R hernandezii (Kunth) Schlechter
 00ZW10223 I G R hernandezii (Kunth) Schlechter
 00ZW10577 G insignis Frost ex W.J. Hook.
 00ZW02913 I G oculata (Lodd.) Lindl.
 00ZW09833 I G oculata (Lodd.) Lindl.
 00ZW10221 I G oculata (Lodd.) Lindl.
 00ZW10222 I G oculata (Lodd.) Lindl.
 00ZW10576 G oculata (Lodd.) Lindl.
 00ZW11763 I E oculata (Lodd.) Lindl. [V.R.D. 839 Honduras]
 00ZW11837 E spec. [SCHULTZ Suriname]
 00ZW02914 I G wardii Lodd. ex Lindl.
 00ZW10224 G wardii Lodd. ex Lindl.

Stelis

- 00ZW06922 I G aprica Lindl.
 00ZW11839 I E aprica Lindl. [SCHULTZ Suriname]
 00ZW02506 I E argentata Lindl. [PAF Suriname]
 00ZW02616 I E argentata Lindl. [Suriname]
 00ZW09892 I E argentata Lindl. [PAF Suriname]
 00ZW10242 I E argentata Lindl. [M&PAF Suriname]
 00ZW10795 I E argentata Lindl. [P 15353 Acre]
 00ZW10804 I E argentata Lindl. [MAAS Parana]
 00ZW10805 I E argentata Lindl. [MAAS Parana]
 00ZW12080 E argentata Lindl. [RCK French Guiana]
 00ZW12081 E argentata Lindl. [RCK French Guiana]
 00ZW12099 E argentata Lindl. [RCK French Guiana]

10 of 13 accessions sharing this taxon are listed above

- 00ZW11580 I E braccata Rchb.f. & Warscz. [HVDW Venezuela]
 00ZW11429 I E cucullata O. Ames [CLEEF Colombia]
 00ZW11442 I E nitens Rchb.f. [CLEEF Colombia]
 00ZW11803 I E nitens Rchb.f. [MAAS Ecuador]
 00ZW11536 I K papaquerensis Rchb.f.
 00ZW11410 E spec. [MH&JW French Guiana]
 00ZW11592 E spec. [Peru]
 00ZW11765 E spec. [V.R.D. 842 Honduras]
 00ZW11808 E spec. [MAAS Ecuador]
 00ZW11816 E spec. [MAAS Ecuador]
 00ZW11824 E spec. [MAAS Ecuador]

Orchidaceae

- 00ZW11936 E spec. [C.GOUDA Ecuador]
 00ZW11947 E spec. [C.GOUDA Ecuador]

8 of 11 accessions sharing this taxon are listed above

- 00ZW11027 I E vulcani Rchb.f. [Colombia]

Tetragamestus

- 00ZW11545 I K modestus Rchb.f.

Thunia

- 00ZW11899 G alba (Lindl.) Rchb.f.
 00ZW02517 I G bracteata (Roxb.) Schlechter
 00ZW02523 I G bracteata (Roxb.) Schlechter
 00ZW02233 G marshalliana Rchb.f.

Trias

- 00ZW11336 G intermedia Seidenf. & Smitin.
 00ZW06956 I G picta (Par. & Rchb.f.) Par.

Trichocentrum

- 90ZW00431 E cornucopiae Linden & Rchb.f. ex Rchb.f. [Suriname]
 00ZW11356 K pulchrum Poepp. & Endl.
 00ZW11286 I E recurvum Lindl. [BL Suriname]

Trichoceros

- 91ZW00065 E muralis Lindl. var. platyceros (Rchb.f.) C. Schweinf. [Peru]

Trichopilia

- 00ZW12048 E fragrans (Lindl.) Rchb.f. [Peru]
 00ZW10233 I G marginata Henfr.
 00ZW12049 E spec. [Peru]
 00ZW12115 U spec.
 00ZW12123 U spec.

Trichotosia

- 00ZW02849 I G velutina (Lodd. ex Lindl.) Kraenzl.

Tridactyle

- 00ZW11316 I E tridactylites (Rolfe) Schlechter [W. Trop. Africa]

Trigonidium

- 00ZW11409 I E acuminatum Batem. ex Lindl. [Suriname]
 90ZW00435 E acuminatum Batem. ex Lindl. [Suriname]
 00ZW11223 G egertonianum Batem.

Vanda

- 00ZW02892 I G tricolor Lindl. var. suavis (Lindl.) Rchb.f.
 00ZW02891 I G tricolor Lindl. var. tricolor

Orchidaceae

Vandopsis

- 00ZW02498 I G gigantea (Lindl.) Pfitz.
 00ZW02575 G lissochiloides (Gaudich.) Pfitz.
 00ZW10191 G lissochiloides (Gaudich.) Pfitz.

Vanilla

- 00ZW12018 G planifolia G.Jacks.
 00ZW06846 I E pompona Schiede [Suriname]
 00ZW06885 I E pompona Schiede [Suriname]
 00ZW10197 G spec.
 00ZW12132 E spec. [GR&JJ French Guiana]
 00ZW12301 E spec. [MJJ 2026 Guyana]

Warscewiczella

- 00ZW12010 U discolor (Lindl.) Rchb.f.

Xylobium

- 00ZW11593 I E corrugatum (Lindl.) Rolfe [HUBEIN Colombia]
 00ZW11891 G foveatum (Lindl.) Nichols.
 00ZW02187 I G leontoglossum (Rchb.f.) Rolfe
 00ZW10261 I E powellii Schlechter [GRIJPMA Costa Rica]

Zygopetalum

- 00ZW10735 I G crinitum Lodd.
 00ZW10015 I G intermedium Lodd. ex Lindl.
 00ZW10888 I G intermedium Lodd. ex Lindl.
 00ZW02354 I G mackaii W.J.Hook.
 00ZW11984 G wallisii Rchb.f.

Zygosepalum

- 00ZW12011 I E labiosum (L.C.Rich.) Garay [Guyana]

unknown

- 00ZW09897 E species 'ORCHID' [MAAS Suriname]
 00ZW10877 E species 'ORCHID' [Thailand]
 00ZW10922 E species 'ORCHID' [PAF Colombia]
 00ZW10936 E species 'ORCHID' [PAF Colombia]
 00ZW11061 E species 'ORCHID' [BG Brazil]
 00ZW11110 E species 'ORCHID'
 00ZW11183 E species 'ORCHID' [FROMME Phillippines]
 00ZW11184 E species 'ORCHID' [FROMME Phillippines]
 00ZW11251 E species 'ORCHID' [BL Suriname]
 00ZW11265 E species 'ORCHID' [BL 1338 Suriname]

10 of 175 accessions sharing this taxon are listed above

Orobanchaceae

Orobanchaceae

- Lathraea**
79ZS00060 G clandestina L.

Osmundaceae

- Osmunda**
85BL00190 K japonica Thunb.
69BL00278 I G regalis L.
79ZS00052 G regalis L.

Oxalidaceae

- Biophytum**
86GR00082 G dendroides (L.) DC.
86GR00084 G dendroides (L.) DC.
87GR00185 G sensitivum (L.) DC.

- Oxalis**
84BL00162 E acetosella L. [Norway]
90ZS00384 K acetosella L.
68GR01447 I G bowiei Herb.
73ZS00078 I G deppei Lodd. ex Sweet
89BL00128 G enneaphylla Cav.
92BL00856 G gymnoclada Turcz.
71BL00388 I G inops Eckl. & Zeyh.
84BL00469 G inops Eckl. & Zeyh.
89BL00141 K 'Ione Hecker'
91GR01149 G latifolia H.B.K.
77GR00185 I E mandioccana Raddi [MAAS 3263 Rio de Janeiro (state)]
80GR00242 I E teneriensis Kunth [MAAS 4653 Peru]
88GR00212 I G triangularis A. St. Hil. subsp. triangularis
71ZS00034 I G valdiviensis Barneoud

Paeniaceae

- Paenonia**
92ZS00711 K (Lactiflora-hybr.) 'L'Etincelante'
92ZS00710 K (Lactiflora-hybr.) 'Nymphe'
71ZS00053 I G anomala L. var. intermedia (C.A. Mey. ex Ledeb.) O. & B.
Fedtsch.
68BL00097 G bakeri Lynch
68BL00096 G banatica Rochel
82BL00222 E brownii Dougl. ex W.J. Hook. [California]
65BL00399 I G x lemoinei Rehd. cv.
71RD00032 I G lutea Delav. ex Franch. var. ludlowii F.C. Stern & G.
Taylor
78BL00200 G mascula (L.) Mill. subsp. mascula

Paeoniaceae

67BL00273	I G I	mlokosewitschii Lomak.
66BR00286	G	officinalis L. 'Rosea Plena'
71ZS00052	I G I	peregrina Mill.
66BR00283	G	peregrina Mill. 'Fire King'
88RD00094	G	potaninii Kom. var. potaninii
88RD00043	G	suffruticosa Andr.
88RD00069	G	suffruticosa Andr.
90BL01193	K	veitchii Lynch var. woodwardii (Stapf ex Cox) F.C. Stern
65BL00278	I G I	wittmanniana Hartwiss ex Lindl. var. wittmanniana

Pandanaceae

Pandanus

76GR00595	G	vandermeeschii Balf.f.
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Papaveraceae

Argemone

53ZE00601	I G	mexicana L.
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Chelidonium

75ZS00117	I G	majus L.
91ZS01750	U	majus L.

Dicentra

84BL00235	E	eximia (Ker-Gawl.) Torr. [<u>Pennsylvania</u>]
86BL00251	G	eximia (Ker-Gawl.) Torr.
86BL00456	G	eximia (Ker-Gawl.) Torr.
73BL00163	I G	formosa (Andr.) Walp. subsp. formosa
73ZS00031	I G	formosa (Andr.) Walp. subsp. formosa
74ZB00001	G	formosa (Andr.) Walp. subsp. formosa
73BL00047	I G	formosa (Andr.) Walp. subsp. oregana (Eastw.) Munz

Dicranostigma

68ZE02407	I G	leptopodium (Maxim.) Fedde
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Eschscholzia

84ZE02508	K	californica Cham., cv.
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Glaucium

61ZE00619	I G	flavum Crantz
91ZE01657	G	flavum Crantz

Hylomecon

71BL00346	I G	japonica (Thunb.) Prantl & Kuendig
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Papaveraceae

- Macleaya**
 75ZS00047 I G cordata (Willd.) R.Br. var. cordata
- Meconopsis**
 86BL00110 G E aculeata Royle
 64BL00209 I G betonicifolia Franch.
 65BL00454 I G cambrica (L.) Vig.
 82BL00299 E discigera Prain [BEER 640 Nepal]
 86BL00113 G grandis Prain
 86BL00255 S grandis Prain [BMW 109]
 81BL00117 G horridula J.D. Hook. & Thoms.
 85BL00116 I G horridula J.D. Hook. & Thoms.
 86BL00455 G horridula J.D. Hook. & Thoms.
 84BL00357 I S integrifolia (Maxim.) Franch. [LANC 889 Sichuan]
 84BL00398 I S V latifolia (Prain) Prain [Jammu & Kashmir]
 86BL00484 G napaulensis DC.
 87BL00461 G napaulensis DC.
 81BL00179 E paniculata (D. Don) Prain [FHC 10 Nepal]
 84BL00321 E paniculata (D. Don) Prain [AGS-S 446 Sikkim]
 86BL00086 S paniculata (D. Don) Prain [Nepal]
 86BL00014 G regia G. Taylor
 92BL00003 K robusta J.D. Hook. & Thoms.
 84BL00350 S simplicifolia D. Don [Nepal]
 92BL00004 K superba King ex Prain
 86BL00119 G villosa (J.D. Hook.) G. Taylor
- Papaver**
 86BL00089 G apokrinomenon Fedde
 86BL00182 G burseri Crantz
 72ZE02126 I G commutatum Fisch. & Mey.
 91ZE00686 I E dubium L. [Belgium]
 70BL00037 I G fugax Poir.
 86BL00328 S kernerii Hayek [Italy]
 65BL00579 G lateritium K.Koch
 87BL00438 G miyabeanum Tatewaki ex Miyabe & Tatewaki
 56ZE02388 I G nudicaule L.
 91ZS00645 G orientale L.
 91ZS00781 G orientale L.
 65BL00384 E rhaeticum Leresche
 91ZE01611 G rhoeas L.
 53ZE01049 G somniferum L. subsp. oleiferum
 71ZE01002 G somniferum L. subsp. somniferum
 91ZE01610 G somniferum L. subsp. somniferum
 77BL00058 I S spicatum Boiss. & Bal. var. spicatum [Turkey (Asia Minor)]
 77BL00059 E R strictum Boiss. & Bal. [Turkey (Asia Minor)]

Papaveraceae

86BL00421 K **Pteridophyllum**
racemosum Sieb. & Zucc.

75ZE00604 I G **Roemeria**
refracta DC.

81BL00176 G **Romneya**
coulteri Harv. var. coulteri

75BL00059 I G **Stylophorum**
diphyllum (Michx.) Nutt.

Passifloraceae

75ZS00010 I G **Passiflora**
caerulea L.
75GR00113 I G coriacea Juss.
91GR01890 G mollissima (H.B.K.) L.H. Bailey [MAAS]
92GR01030 G quadrangularis L.
92GR01031 K quadrangularis L.
87GR00272 E spec. [MJJ Guyana]

Pedaliaceae

91ZE00832 G **Proboscidea**
louisianica (Mill.) Thell.
92ZE00413 G louisianica (Mill.) Thell.

Phytolaccaceae

69GR00291 I G **Hillieria**
latifolia (Lam.) H. Walt.

91ZS00573 I G **Phytolacca**
acinosa Roxb.
91ZS00782 S americana L. [Canada]
72ZS00029 I G clavigera W.W.Sm.
90GR00415 G dioica L.
91ZS00808 E esculenta Van Houtte [Belgium]

68GR00888 I G **Rivina**
humilis L. var. humilis

68GR01295 G **Trichostigma**
peruvianum (Moq.) H.Walt.

Pinaceae

		Abies
61RD00952	G	alba Mill.
72RD00011	G	alba Mill.
83RD00224	E	alba Mill.
00ZG01411	G	alba Mill. 'Fastigiata'
00ZG02127	G	alba Mill. 'Pendula'
77RD00247	G	amabilis (Dougl. ex Loud.) Dougl. ex Forb. 'Compacta'
00ZG00333	G	amabilis (Dougl. ex Loud.) Dougl. ex Forb. 'Spreading Star'
00ZG01356	G	amabilis (Dougl. ex Loud.) Dougl. ex Forb. 'Spreading Star'
86RD00494	K	amabilis (Dougl. ex Loud.) Dougl. ex Forb. 'Spreading Star'
61RD01526	E	balsamea (L.) Mill. [Ontario]
72RD00013	G	balsamea (L.) Mill.
85RD00160	E	balsamea (L.) Mill. [Michigan]
00ZG01403	G	balsamea (L.) Mill. f. hudsonia (Jacques) Fern.
00ZG01404	G	balsamea (L.) Mill. 'Nana'
86RD00396	K	balsamea (L.) Mill. 'Nana'
00ZG00335	G	bornmuelleriana Mattf.
77RD00248	G	bornmuelleriana Mattf.
00ZG00334	G	bracteata (D. Don) Nutt.
61RD01059	G	cephalonica Loud.
61RD01186	I G	cephalonica Loud.
65RD00245	G	cephalonica Loud.
78RD00507	E	cephalonica Loud. [Greece]
82RD00032	E	cephalonica Loud. [Thracia]
86RD00499	K	cephalonica Loud.
91RD01803	E	cephalonica Loud. [CYT 24529 Balkan]
00ZG00336	G	cephalonica Loud. 'Meyer's Dwarf'
00ZG00337	G	cilicica (Ant. & Kotschy) Carr.
00ZG02426	G	cilicica (Ant. & Kotschy) Carr.
00ZG02661	G	cilicica (Ant. & Kotschy) Carr.
61RD01185	G	cilicica (Ant. & Kotschy) Carr.
00ZG00292	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. 'Argentea'
00ZG01414	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. 'Aurea'
00ZG00620	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. 'Compacta'
00ZG00957	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. 'Compacta'
00ZG02198	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. 'Compacta'
00ZG02471	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. 'Compacta'
00ZG02473	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. 'Compacta'
00ZG03417	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. var. concolor
00ZG03429	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. var. concolor
62RD00212	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. var. concolor
72RD00014	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. var. concolor
00ZG01405	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. 'Fastigiata'
00ZG00133	G	concolor (Gord. & Glend.) Lindl. ex Hildebr. var. lowiana (Gord.) Lemm.

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- 00ZG02151 G concolor (Gord. & Glend.) Lindl. ex Hildebr. var. lowiana (Gord.) Lemm.
- 71RD00115 G concolor (Gord. & Glend.) Lindl. ex Hildebr. var. lowiana (Gord.) Lemm.
- 86RD00496 K delavayi Franch. var. georgei (Orr) Melville
- 00ZG00039 G firma Sieb. & Zucc.
- 89RD00040 E firma Sieb. & Zucc. [Japan]
- 90RD00539 E firma Sieb. & Zucc. [Japan]
- 00ZG02394 G grandis (Dougl.) Lindl.
- 00ZG02502 G grandis (Dougl.) Lindl.
- 00ZG03283 G grandis (Dougl.) Lindl.
- 62RD00213 I G grandis (Dougl.) Lindl.
- 62RD00265 S grandis (Dougl.) Lindl.
- 72RD00015 G grandis (Dougl.) Lindl.
- 00ZG00134 G grandis (Dougl.) Lindl. 'Aurea'
- 00ZG00340 G holophylla Maxim.
- 62RD00460 G holophylla Maxim.
- 82RD00216 E holophylla Maxim. [S.Korea]
- 82RD00218 E holophylla Maxim. [S.Korea]
- 71RD00121 G homolepis Sieb. & Zucc.
- 1 of 13 accessions sharing this taxon are listed above
- 00ZG02201 G x insignis Carr. ex Bailly 'Beissneriana'
- 82RD00267 E kawakamii (Hayata) Ito [Taiwan (incl. Penghuleidao & Lan Yu)]
- 00ZG00040 G R koreana Wils.
- 00ZG00087 G R koreana Wils.
- 00ZG01020 G R koreana Wils.
- 61RD01188 G R koreana Wils.
- 70RD00032 G R koreana Wils.
- 70RD00033 G R koreana Wils.
- 71RD00125 G R koreana Wils.
- 80RD00387 E R koreana Wils. [Cheju Do (Quelpaert Isl.)]
- 76RD00180 G koreana Wils. 'Aurea'
- 00ZG00623 G koreana Wils. 'Compact Dwarf'
- 86RD00495 K koreana Wils. 'Lutea'
- 00ZG01407 G koreana Wils. 'Piccolo'
- 86RD00498 K koreana Wils. 'Piccolo'
- 00ZG00809 G koreana Wils. 'Prostrate Beauty'
- 83RD00327 G lasiocarpa (W.J. Hook.) Nutt. 'Compacta'
- 86RD00249 K lasiocarpa (W.J. Hook.) Nutt. 'Compacta'
- 83RD00326 G lasiocarpa (W.J. Hook.) Nutt. 'Glaucua'
- 86RD00250 K lasiocarpa (W.J. Hook.) Nutt. 'Glaucua'
- 84RD00035 E magnifica A. Murr. [California]
- 00ZG02199 G marocana Trabut
- 00ZG02197 G R nordmanniana (Stev.) Spach subsp. equi-trojani (Aschers. & Sint. ex Boiss.) Coode & Cullen
- 00ZG00344 G nordmanniana (Stev.) Spach 'Golden Spreader'

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00ZG00140	G	nordmanniana (Stev.) Spach subsp. nordmanniana
00ZG02478	G	nordmanniana (Stev.) Spach subsp. nordmanniana
61RD01189	G	nordmanniana (Stev.) Spach subsp. nordmanniana
72RD00092	I G	nordmanniana (Stev.) Spach subsp. nordmanniana
86RD00398	K	nordmanniana (Stev.) Spach subsp. nordmanniana
00ZG01408	G	nordmanniana (Stev.) Spach 'Pendula'
00ZG01409	G	nordmanniana (Stev.) Spach 'Robusta'
86RD00493	K	nordmanniana (Stev.) Spach 'Robusta'
61RD01269	G V	numidica De Lannoy ex Carr.
61RD01400	G V	numidica De Lannoy ex Carr.
72RD00070	I G V	numidica De Lannoy ex Carr.
00ZG00347	G	numidica De Lannoy ex Carr. 'Pendula'
00ZG01410	G	x pardei Gauss.
00ZG00878	G V	pinsapo Boiss.
00ZG01370	G V	pinsapo Boiss.
61RD00950	G V	pinsapo Boiss.
00ZG00625	G	pinsapo Boiss. 'Aurea'
86RD00492	K	pinsapo Boiss. 'Aurea'
00ZG00810	G	pinsapo Boiss. 'Kelleriis'
77RD00249	G	pinsapo Boiss. 'Kelleriis'
86RD00497	K	pinsapo Boiss. 'Kilmacurragh'
77RD00250	G	pinsapo Boiss. 'Pendula'
00ZG00296	G	procera Rehd.
00ZG00626	G	procera Rehd.
00ZG02545	G	procera Rehd.
00ZG02719	G	procera Rehd.
62RD00813	G	procera Rehd.
70RD00024	G	procera Rehd.
71RD00137	G	procera Rehd.
79RD00262	E	procera Rehd. [<u>Georgia</u>]
00ZG02289	G	procera Rehd. 'Glauca'
00ZG02715	G	procera Rehd. 'Glauca'
00ZG02721	G	procera Rehd. 'Glauca'
84RD00202	E I	sachalinensis (Fr. Schmidt) Mast. var. sachalinensis [<u>Khabarovsk Terr.</u>]
00ZG01413	G V	sibirica Ledeb.
63RD00252	G V	sibirica Ledeb.
81RD00014	E	spectabilis (D. Don) Spach [<u>Nepal</u>]
00ZG02403	G	veitchii Lindl.
00ZG02572	G	veitchii Lindl.
00ZG02685	G	veitchii Lindl.
71RD00127	G	veitchii Lindl.
00ZG01415	G	veitchii Lindl. 'Glauca'
00ZG02514	G	veitchii Lindl. 'Glauca'
00ZG02517	G	veitchii Lindl. 'Glauca'
00ZG02581	G	veitchii Lindl. 'Glauca'
00ZG02582	G	veitchii Lindl. 'Glauca'

Pinaceae

- 00ZG00350 G x vilmorinii Mast.
 61RD01403 G x vilmorinii Mast.

Cedrus

- 80RD00558 G atlantica (Endl.) Manetti ex Carr. [A 127]
 83RD00367 G atlantica (Endl.) Manetti ex Carr.
 00ZG00423 G atlantica (Endl.) Manetti ex Carr. 'Aurea'
 00ZG00895 G atlantica (Endl.) Manetti ex Carr. 'Fastigiata'
 00ZG00243 G atlantica (Endl.) Manetti ex Carr. 'Glauca'
 00ZG03134 G atlantica (Endl.) Manetti ex Carr. 'Glauca'
 00ZG03135 G atlantica (Endl.) Manetti ex Carr. 'Glauca'
 00ZG03136 G atlantica (Endl.) Manetti ex Carr. 'Glauca'
 00ZG03139 G atlantica (Endl.) Manetti ex Carr. 'Glauca'
 00ZG03141 G atlantica (Endl.) Manetti ex Carr. 'Glauca'
 78RD00737 G atlantica (Endl.) Manetti ex Carr. 'Glauca'
 86RD00442 K atlantica (Endl.) Manetti ex Carr. 'Pendula'
 72RD00022 G deodara (D. Don) G. Don
 86RD00397 K deodara (D. Don) G. Don
 91RD00948 K deodara (D. Don) G. Don 'Aurea'
 86RD00429 K deodara (D. Don) G. Don 'Golden Horizon'
 00ZG01417 G deodara (D. Don) G. Don 'Pendula'
 00ZG01254 G deodara (D. Don) G. Don 'Prostata'
 00ZG00435 G R libani A. Rich.
 00ZG00427 G R libani A. Rich. subsp. brevifolia (J.D. Hook.) Meikle
 00ZG01345 G R libani A. Rich. subsp. brevifolia (J.D. Hook.) Meikle
 00ZG02295 G R libani A. Rich. subsp. brevifolia (J.D. Hook.) Meikle
 79RD00084 E R libani A. Rich. subsp. brevifolia (J.D. Hook.) Meikle
 86RD00435 K R libani A. Rich. subsp. brevifolia (J.D. Hook.) Meikle
 86RD00491 K libani A. Rich. 'Pendula'
 85RD00375 K libani A. Rich. 'Sargentii'
 86RD00358 K libani A. Rich. 'Sargentii'
 86RD00221 E libani A. Rich. var. stenocoma (Schwarz) Davis
 86RD00222 E libani A. Rich. var. stenocoma (Schwarz) Davis

Larix

- 00ZG02470 G decidua Mill. var. decidua
 00ZG02644 G decidua Mill. var. decidua
 61RD00527 G decidua Mill. var. decidua
 00ZG02659 G x eurolepis Henry
 65RD00167 G gmelinii (Rupr.) Kuzen. var. gmelinii
 72RD00127 G gmelinii (Rupr.) Kuzen. var. japonica (Maxim. ex Regel)
 Pilg.
 78RD00502 E gmelinii (Rupr.) Kuzen. var. japonica (Maxim. ex Regel)
 Pilg. [Kurile Isls.]
 72RD00126 G gmelinii (Rupr.) Kuzen. var. principis-rupprechtii (Mayr)
 Pilg.
 80RD00089 E gmelinii (Rupr.) Kuzen. var. principis-rupprechtii (Mayr)

Pinaceae

		Pilg. [Hebei, Beijing & Tianjin]
00ZG02369	G	kaempferi (Lamb.) Carr.
00ZG02452	G	kaempferi (Lamb.) Carr.
00ZG02593	G	kaempferi (Lamb.) Carr.
00ZG02978	G	kaempferi (Lamb.) Carr.
00ZG03192	G	kaempferi (Lamb.) Carr.
62RD00636	G	kaempferi (Lamb.) Carr.
62RD00663	I G	kaempferi (Lamb.) Carr.
62RD00725	G	kaempferi (Lamb.) Carr.
62RD00924	I G	kaempferi (Lamb.) Carr.
72RD00027	G	kaempferi (Lamb.) Carr.
00ZG00519	G	kaempferi (Lamb.) Carr. 'Blue Rabbit'
00ZG02358	G	kaempferi (Lamb.) Carr. 'Pendula'
00ZG02359	G	kaempferi (Lamb.) Carr. 'Pendula'
00ZG03216	G	kaempferi (Lamb.) Carr. 'Pendula'
61RD00359	I G	laricina (Du Roi) K.Koch
61RD00826	S	laricina (Du Roi) K.Koch
90RD00309	E	laricina (Du Roi) K.Koch [Quebec]
83RD00105	E	lyallii Parl. [Br. Columbia incl. Charlotte Isl.]
61RD00689	G	occidentalis Nutt.
78RD00252	G	occidentalis Nutt.
78RD00604	E	occidentalis Nutt. [Rhode Island]
79RD00106	E	occidentalis Nutt. [Br. Columbia incl. Charlotte Isl.]
79RD00263	E	occidentalis Nutt.
00ZG02424	G	russica (Endl.) Sabine ex Trautv.
87RD00246	E	russica (Endl.) Sabine ex Trautv. [Altai]
00ZG02642	G	spec.
78RD00344	G	sukaczewii Dgil.

Picea

62RD00206	G	abies (L.) Karst.
1 of 94 accessions sharing this taxon are listed above		
74RD00259	G	abies (L.) Karst. 'Aarburg'
00ZG00008	G	abies (L.) Karst. 'Acrocona'
00ZG00086	G	abies (L.) Karst. 'Acrocona'
00ZG00913	G	abies (L.) Karst. 'Acrocona'
00ZG00291	G	abies (L.) Karst. 'Argenteospica'
00ZG00026	G	abies (L.) Karst. 'Aurea'
00ZG00161	G	abies (L.) Karst. 'Aurea'
00ZG02569	G	abies (L.) Karst. 'Aurea'
00ZG02429	G	abies (L.) Karst. 'Capitata'
00ZG02436	G	abies (L.) Karst. 'Capitata'
00ZG02439	G	abies (L.) Karst. 'Capitata'
74RD00260	G	abies (L.) Karst. 'Capitata'
00ZG01451	G	abies (L.) Karst. 'Cincinnata'
00ZG02432	G	abies (L.) Karst. 'Cincinnata'
00ZG02434	G	abies (L.) Karst. 'Cincinnata'

Pinaceae

00ZG00520	G	abies (L.) Karst. 'Clanbrassiliana'
00ZG01802	G	abies (L.) Karst. 'Clanbrassiliana'
00ZG02430	G	abies (L.) Karst. 'Clanbrassiliana'
00ZG02455	G	abies (L.) Karst. 'Clanbrassiliana'
00ZG02456	G	abies (L.) Karst. 'Clanbrassiliana'
00ZG02459	G	abies (L.) Karst. 'Clanbrassiliana'
00ZG02460	G	abies (L.) Karst. 'Clanbrassiliana'
00ZG02841	G	abies (L.) Karst. 'Clanbrassiliana'
00ZG03004	G	abies (L.) Karst. 'Clanbrassiliana'
00ZG01450	G	abies (L.) Karst. 'Clanbrassiliana Elegans'
00ZG01940	G	abies (L.) Karst. 'Compacta'
00ZG02818	G	abies (L.) Karst. 'Compacta'
00ZG02825	G	abies (L.) Karst. 'Compacta'
79RD00565	G	abies (L.) Karst. 'Compacta'
00ZG00012	G	abies (L.) Karst. 'Cranstonii'
00ZG00521	G	abies (L.) Karst. 'Cupressina'
00ZG02361	G	abies (L.) Karst. cv.
00ZG02364	G	abies (L.) Karst. cv.
00ZG02400	G	abies (L.) Karst. cv.
00ZG02994	G	abies (L.) Karst. cv.
00ZG03012	G	abies (L.) Karst. cv.
00ZG03442	G	abies (L.) Karst. cv.
81RD00425	U	abies (L.) Karst. cv.
86RD00268	G	abies (L.) Karst. cv.
91RD01285	K	abies (L.) Karst. cv.
00ZG01452	G	abies (L.) Karst. 'Diffusa'
00ZG00522	G	abies (L.) Karst. 'Dovertii Pendula'
78RD00399	E	abies (L.) Karst. f. erythrocarpa (Purk.) Rehd. [Switzerland]
79RD00566	G	abies (L.) Karst. 'Farnsburg'
00ZG00297	G	abies (L.) Karst. 'Finedonensis'
74RD00261	G	abies (L.) Karst. 'Frohburg'
79RD00567	G	abies (L.) Karst. 'Frohburg'
00ZG00788	G	abies (L.) Karst. 'Gregoryana'
00ZG02772	G	abies (L.) Karst. 'Gregoryana'
00ZG00524	G	abies (L.) Karst. 'Gregoryana Veitchii'
00ZG01917	G	abies (L.) Karst. 'Gregoryana Veitchii'
00ZG03402	G	abies (L.) Karst. 'Gregoryana Veitchii'
00ZG00533	G	abies (L.) Karst. 'Hornibrookii'
00ZG00011	G	abies (L.) Karst. 'Inversa'
00ZG00690	G	abies (L.) Karst. 'Inversa'
00ZG01455	G	abies (L.) Karst. 'Little Gem'
79RD00643	G	abies (L.) Karst. 'Little Gem'
00ZG00023	G	abies (L.) Karst. 'Magnifica'
00ZG00066	G	abies (L.) Karst. 'Magnifica'
00ZG00791	G	abies (L.) Karst. 'Maxwellii'
00ZG00313	G	abies (L.) Karst. 'Merkii'
00ZG01803	G	abies (L.) Karst. 'Merkii'

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00ZG02466	G	abies (L.) Karst. 'Merkii'
00ZG01446	G	abies (L.) Karst. 'Microsperma'
00ZG00525	G	abies (L.) Karst. 'Mucronata'
79RD00645	G	abies (L.) Karst. 'Mucronata'
00ZG02690	G	abies (L.) Karst. 'Mutabilis'
86RD00434	K	abies (L.) Karst. 'Obergaertner Bruns'
00ZG02891	G	abies (L.) Karst. 'Ohlendorffii'

1 of 11 accessions sharing this taxon are listed above

00ZG00789	G	abies (L.) Karst. 'Pachyphylla'
00ZG01448	G	abies (L.) Karst. f. pendula (Laws.) Sylven
00ZG02977	G	abies (L.) Karst. 'Pendula Major'
00ZG01449	G	abies (L.) Karst. 'Phylicoides'
00ZG00691	G	abies (L.) Karst. 'Procumbens'
00ZG01805	G	abies (L.) Karst. 'Procumbens'
00ZG01806	G	abies (L.) Karst. 'Procumbens'
00ZG02367	G	abies (L.) Karst. 'Procumbens'
00ZG02743	G	abies (L.) Karst. 'Procumbens'
00ZG02831	G	abies (L.) Karst. 'Procumbens'
00ZG02892	G	abies (L.) Karst. 'Procumbens'
00ZG02996	G	abies (L.) Karst. 'Procumbens'
65RD00289	G	abies (L.) Karst. 'Procumbens'
00ZG02835	G	abies (L.) Karst. 'Pumila'
00ZG02862	G	abies (L.) Karst. 'Pumila'
00ZG02864	G	abies (L.) Karst. 'Pumila'
00ZG02902	G	abies (L.) Karst. 'Pumila'
00ZG03076	G	abies (L.) Karst. 'Pumila'
61RD01652	G	abies (L.) Karst. 'Pumila'
00ZG01934	G	abies (L.) Karst. 'Pumila Nigra'
88RD00151	G	abies (L.) Karst. 'Push'
00ZG00692	G	abies (L.) Karst. 'Pygmaea'
00ZG02844	G	abies (L.) Karst. 'Pygmaea'
79RD00631	G	abies (L.) Karst. 'Pygmaea'
91RD01412	K	abies (L.) Karst. 'Pyramidata'
00ZG01915	G	abies (L.) Karst. 'Remontii'
79RD00641	G	abies (L.) Karst. 'Repens'

1 of 17 accessions sharing this taxon are listed above

00ZG01939	G	abies (L.) Karst. 'Tabuliformis'
74RD00262	G	abies (L.) Karst. 'Wartburg'
00ZG01454	G	abies (L.) Karst. 'Wills Zwerg'
60RD00709	G	asperata Mast. var. asperata
61RD00454	G	asperata Mast. var. asperata
83RD00369	G	asperata Mast. var. asperata
00ZG00527	G	asperata Mast. var. retroflexa (Mast.) Boom
00ZG00529	G	bicolor (Maxim.) Mayr var. acicularis Shiras. & Koyama
00ZG02597	G	bicolor (Maxim.) Mayr var. acicularis Shiras. & Koyama
61RD01628	G	bicolor (Maxim.) Mayr var. acicularis Shiras. & Koyama
00ZG02482	G	bicolor (Maxim.) Mayr var. bicolor

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- 00ZG02646 G bicolor (Maxim.) Mayr var. bicolor
 00ZG02722 G bicolor (Maxim.) Mayr var. bicolor
 00ZG02802 G bicolor (Maxim.) Mayr var. bicolor
 00ZG02822 G bicolor (Maxim.) Mayr var. bicolor
 00ZG02963 G bicolor (Maxim.) Mayr var. bicolor
 61RD01634 G bicolor (Maxim.) Mayr var. bicolor
 00ZG01462 G bicolor (Maxim.) Mayr var. reflexa Shiras. & Koyama
 00ZG00043 G breweriana S.Wats.
 00ZG00049 G breweriana S.Wats.
 00ZG00082 G breweriana S.Wats.
 00ZG00920 G breweriana S.Wats.
 00ZG02037 G breweriana S.Wats.
 00ZG02038 G breweriana S.Wats.
 86RD00254 K breweriana S.Wats.
 62RD00227 E engelmanni Parry ex Engelm.
 72RD00030 G engelmanni Parry ex Engelm.
 00ZG01212 G engelmanni Parry ex Engelm. 'Glaucua'
 65RD00162 E glauca (Moench) Voss var. albertiana (S.Brown) Sarg.
 00ZG00785 G glauca (Moench) Voss 'Conica'
 00ZG03194 G glauca (Moench) Voss 'Conica'
 00ZG00523 G glauca (Moench) Voss 'Echiniformis'
 90RD00310 E glauca (Moench) Voss var. glauca [Quebec]
- 1 of 11 accessions sharing this taxon are listed above
- 00ZG02061 G glehnii (Fr.Schmidt) Mast.
 61RD01630 G glehnii (Fr.Schmidt) Mast.
 86RD00297 E glehnii (Fr.Schmidt) Mast.
 00ZG00245 G jezoensis (Sieb. & Zucc.) Carr. 'Aurea'
 00ZG01458 G jezoensis (Sieb. & Zucc.) Carr. var. hondoensis (Mayr) Rehd.
 00ZG01457 G jezoensis (Sieb. & Zucc.) Carr. var. jezoensis
 00ZG02395 G jezoensis (Sieb. & Zucc.) Carr. var. jezoensis
 00ZG02538 G jezoensis (Sieb. & Zucc.) Carr. var. jezoensis
 00ZG02576 G jezoensis (Sieb. & Zucc.) Carr. var. jezoensis
 00ZG02640 G jezoensis (Sieb. & Zucc.) Carr. var. jezoensis
 00ZG02641 G jezoensis (Sieb. & Zucc.) Carr. var. jezoensis
 86RD00252 K jezoensis (Sieb. & Zucc.) Carr. var. jezoensis
 90RD01074 E koraiensis Nakai [W.China]
 90RD01075 E koraiensis Nakai [W.China]
 00ZG00790 G koyamai Shiras.
 64RD00228 G koyamai Shiras.
 82RD00163 G koyamai Shiras.
 88RD00144 K likiangensis (Franch.) Pritz var. balfouriana (Rehd. & Wils.) Hillier ex Slavin
 86RD00420 K likiangensis (Franch.) Pritz. 'Blue Star'
 00ZG03308 G likiangensis (Franch.) Pritz. var. purpurea (Mast.) Dallim. & A.B.Jacks.
 88RD00145 K likiangensis (Franch.) Pritz. var. purpurea (Mast.) Dallim.

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- & A.B.Jacks.
- 00ZG02499 G x lutzii Little
 72RD00033 G x lutzii Little
 82RD00185 E mariana (Mill.) B.S.P. [Ontario]
 90RD00311 E mariana (Mill.) B.S.P. [Quebec]
- 2 of 23 accessions sharing this taxon are listed above
- 00ZG02357 G mariana (Mill.) B.S.P. 'Beissneri'
 71RD00124 G mariana (Mill.) B.S.P. 'Beissneri'
 00ZG00531 G mariana (Mill.) B.S.P. 'Beissneri Compacta'
 00ZG01199 G mariana (Mill.) B.S.P. 'Doumetii'
 00ZG01459 G mariana (Mill.) B.S.P. 'Fastigiata'
 00ZG00530 G mariana (Mill.) B.S.P. 'Nana'
 00ZG01850 G mariana (Mill.) B.S.P. 'Nana'
 00ZG02718 G mariana (Mill.) B.S.P. 'Nana'
 64RD00230 G meyeri Rehd. & Wils.
 00ZG00532 G E montigena Mast.
 00ZG01347 G E montigena Mast.
 62RD00452 G E montigena Mast.
 74RD00263 G morrisonicola Hayata
 80RD00502 E morrisonicola Hayata [Taiwan (incl. Penghuleidao & Lan Yu)]
- 81RD00211 G morrisonicola Hayata
 82RD00270 E morrisonicola Hayata [Taiwan (incl. Penghuleidao & Lan Yu)]
- 79RD00209 E V obovata Ledeb. [Altai]
 71RD00139 G R omorika (Panc.) Purk.
- 1 of 120 accessions sharing this taxon are listed above
- 00ZG01460 G omorika (Panc.) Purk. 'Borealis'
 00ZG00764 G omorika (Panc.) Purk. 'Gnom'
 00ZG01195 G omorika (Panc.) Purk. 'Gnom'
 81RD00380 G omorika (Panc.) Purk. 'Nana'
 86RD00255 K omorika (Panc.) Purk. 'Pendula'
 90RD01160 K omorika (Panc.) Purk. 'Professor Lanjouw'
 88RD00153 G omorika (Panc.) Purk. 'Treblitzensis'
 62RD00862 G orientalis (L.) Link
- 1 of 19 accessions sharing this taxon are listed above
- 00ZG00834 G orientalis (L.) Link 'Atrovirens'
 00ZG00136 G orientalis (L.) Link 'Aurea'
 00ZG00824 G orientalis (L.) Link 'Early Gold'
 00ZG01355 G orientalis (L.) Link 'Early Gold'
 79RD00569 G orientalis (L.) Link 'Early Gold'
 00ZG01845 G orientalis (L.) Link 'Glaucua'
 00ZG00312 G orientalis (L.) Link 'Gracilis'
 00ZG01818 G orientalis (L.) Link 'Gracilis'
 86RD00439 K polita (Sieb. & Zucc.) Carr.
 70RD00027 G pungens Engelm.
- 1 of 14 accessions sharing this taxon are listed above

Pinaceae

00ZG01835	G	pungens Engelm. 'Blue Trinket'
00ZG00535	G	pungens Engelm. 'Endtz'
00ZG01075	G	pungens Engelm. 'Endtz'
74RD00265	G	pungens Engelm. 'Erich Frahm'
00ZG00536	G	pungens Engelm. 'Furst Bismarck'
00ZG01076	G	pungens Engelm. 'Furst Bismarck'
00ZG02390	G	pungens Engelm. 'Glauca'
00ZG02763	G	pungens Engelm. 'Glauca'
00ZG01665	G	pungens Engelm. 'Glauca Kluis'
00ZG01081	G	pungens Engelm. 'Glauca Pendula'
00ZG00538	G	pungens Engelm. 'Glauca Procumbens'
00ZG00539	G	pungens Engelm. 'Globosa'
00ZG01077	G	pungens Engelm. 'Globosa'
00ZG01154	G	pungens Engelm. 'Globosa'
77RD00101	G	pungens Engelm. 'Globosa'
79RD00570	G	pungens Engelm. 'Globosa'
00ZG01079	G	pungens Engelm. 'Hoopsii'
00ZG01876	G	pungens Engelm. 'Hoopsii'
00ZG00787	G	pungens Engelm. 'Kleinood Luusberg'
00ZG01080	G	pungens Engelm. 'Koster'
00ZG02474	G	pungens Engelm. 'Koster'
00ZG02477	G	pungens Engelm. 'Koster'
73RD00024	G	pungens Engelm. 'Koster'
00ZG01078	G	pungens Engelm. 'Moerheimii'
00ZG00542	G	pungens Engelm. 'Spek'
00ZG01082	G	pungens Engelm. 'Thomsen'
00ZG01152	G	pungens Engelm. 'Thomsen'
00ZG02371	G	rubens Sarg.
00ZG02422	G	rubens Sarg.
00ZG02423	G	rubens Sarg.
61RD01629	G	rubens Sarg.
72RD00032	G	rubens Sarg.
78RD00309	E	rubens Sarg. [Nova Scotia]
82RD00186	E	rubens Sarg. [Ontario]
83RD00054	E	rubens Sarg. [Quebec]
81RD00047	E	schrenkiana Fisch. & C.A.Mey [Xingjiang Uygur (Autonomous R.)]
87RD00244	E	schrenkiana Fisch. & C.A.Mey [Asiatic Russia]
68RD00004	E	sitchensis (Bong.) Carr. [Oregon]
1 of 15 accessions sharing this taxon are listed above		
00ZG01464	G	sitchensis (Bong.) Carr. 'Mirage'
00ZG02366	G	sitchensis (Bong.) Carr.
77RD00026	E I	smithiana (Wall.) Boiss. [India]
78RD00355	G I	smithiana (Wall.) Boiss.
86RD00238	G I	smithiana (Wall.) Boiss.
90RD01076	E I	smithiana (Wall.) Boiss. [Himalaya]
00ZG01461	G	wilsonii Mast.

Pinaceae

- 61RD01195 G wilsonii Mast.
 90RD00758 E wilsonii Mast. [SICH 114 Sichuan]

Pinus

- 86RD00612 E albicaulis Engelm. [RR&KZ 50857 California]
 00ZG00544 G E armandii Franch.
 83RD00368 G E armandii Franch.
 76RD00228 E attenuata Lemm. [California]
 77RD00260 G attenuata Lemm.
 00ZG02296 G ayacahuite Ehrenb. var. ayacahuite
 61RD00848 E banksiana Lamb. [Quebec]
 78RD00430 E banksiana Lamb. [Quebec]
 79RD00264 S banksiana Lamb.
 80RD00481 G banksiana Lamb.
 81RD00149 E banksiana Lamb. [Quebec]
 79RD00164 N bungeana Zucc. ex Endl.
 80RD00063 G bungeana Zucc. ex Endl.
 83RD00085 G bungeana Zucc. ex Endl.
 84RD00171 U bungeana Zucc. ex Endl.
 84RD00246 G bungeana Zucc. ex Endl.
 62RD00772 S cembra L.

1 of 13 accessions sharing this taxon are listed above

- 00ZG00695 G cembra L. 'Chlorocarpa'
 00ZG00786 G cembra L. 'Compacta Glauca'
 00ZG01842 G cembra L. 'Compacta Glauca'
 86RD00484 K cembra L. 'Fastigiata'
 00ZG01467 G cembra L. 'Globe'
 00ZG02847 G cembra L. 'Pygmaea'
 00ZG02851 G cembra L. 'Pygmaea'
 00ZG02855 G cembra L. 'Pygmaea'
 00ZG02865 G cembra L. 'Pygmaea'
 00ZG02867 G cembra L. 'Pygmaea'
 00ZG02870 G cembra L. 'Pygmaea'
 00ZG02886 G cembra L. 'Pygmaea'
 00ZG02889 G cembra L. 'Pygmaea'
 00ZG02913 G cembra L. 'Pygmaea'
 61RD00913 E contorta Dougl. ex Loud. [Br. Columbia incl. Charlotte Isl.]
 61RD01081 G contorta Dougl. ex Loud.
 82RD00319 E contorta Dougl. ex Loud. var. contorta [Alaska]
 81RD00385 G R coulteri D. Don
 61RD01366 G I densiflora Sieb. & Zucc.
 66RD00059 G I densiflora Sieb. & Zucc.
 83RD00273 E densiflora Sieb. & Zucc. f. erecta [S. Korea]
 86RD00460 K densiflora Sieb. & Zucc. 'Oculus-draconis'
 00ZG00860 G densiflora Sieb. & Zucc. 'Pumila'
 72RD00097 G densiflora Sieb. & Zucc. 'Umbraculifera'
 86RD00471 K densiflora Sieb. & Zucc. 'Umbraculifera'

Pinaceae

- 00ZG00546 G flexilis James
 00ZG01307 G flexilis James
 61RD00300 G flexilis James
 61RD00940 G flexilis James
 86RD00479 K flexilis James
 00ZG01188 G flexilis James 'Glauca'
 00ZG01187 G flexilis James 'Pendula'
 90RD00282 K flexilis James 'Pendula'
 79RD00064 G V funebris Kom.
 80RD00307 E hwangshanensis Hsia [Jiangxi]
 00ZG00548 G jeffreyi Grev. & Balf.
 00ZG02757 G jeffreyi Grev. & Balf.
 72RD00036 G jeffreyi Grev. & Balf.
 61RD01646 G koraiensis Sieb. & Zucc.
 67RD00032 G koraiensis Sieb. & Zucc.
 72RD00037 G koraiensis Sieb. & Zucc.
 82RD00138 S koraiensis Sieb. & Zucc. [S.Korea]
 83RD00217 E koraiensis Sieb. & Zucc. [S.Korea]
 83RD00236 E koraiensis Sieb. & Zucc. [Primorsk Terr.]
 84RD00445 G koraiensis Sieb. & Zucc.
 85RD00177 S koraiensis Sieb. & Zucc. [S.Korea]
 86RD00454 K koraiensis Sieb. & Zucc. 'Silveray'
 88RD00024 E lambertiana Dougl. [RR&KZ 70737 California]
 00ZG00018 G leucodermis Ant.
 00ZG00697 G leucodermis Ant.
 00ZG01836 G leucodermis Ant.
 00ZG02887 G leucodermis Ant.
 61RD00032 G leucodermis Ant.
 61RD00252 G leucodermis Ant.
 70RD00031 G leucodermis Ant.
 78RD00985 G leucodermis Ant.
 83RD00370 G leucodermis Ant.
 00ZG00547 G leucodermis Ant. 'Aureospicata'
 00ZG02211 I G leucodermis Ant. 'Aureospicata'
 00ZG00761 G leucodermis Ant. 'Compact Gem'
 86RD00428 K leucodermis Ant. 'Compact Gem'
 86RD00474 K leucodermis Ant. 'Rubra Spicata'
 86RD00248 K leucodermis Ant. 'Satellit'
 86RD00458 K leucodermis Ant. 'Satellit'
 92RD00801 G leucodermis Ant. 'Schmidtii'
 00ZG01191 G monticola Dougl. ex D.Don
 61RD01645 G monticola Dougl. ex D.Don
 72RD00039 G monticola Dougl. ex D.Don
 86RD00469 K monticola Dougl. ex D.Don
 80RD00504 E morrisonicola Hayata [Taiwan (incl. Penghuleidao & Lan Yu)]
 00ZG00549 G mugo Turra 'Gnom'

Pinaceae

69RD00078	G	mugo Turra 'Hesse'
86RD00470	K	mugo Turra 'Hesse'
00ZG00698	G	mugo Turra 'Kobold'
86RD00362	K	mugo Turra 'Kobold'
00ZG00550	G	mugo Turra 'Mops'
86RD00361	K	mugo Turra 'Mops'
86RD00395	K	mugo Turra subsp. mugo

1 of 25 accessions sharing this taxon are listed above

86RD00489	K	mugo Turra 'Ophir'
00ZG00699	G	mugo Turra subsp. pumilio (Haenke) Franco
69RD00090	G	mugo Turra subsp. pumilio (Haenke) Franco
86RD00468	K	mugo Turra 'Rigi'
00ZG00796	G	mugo Turra 'Trompenburg'
86RD00467	K	mugo Turra 'Yeffile Hill'
86RD00466	K	mugo Turra 'Yellow Tip'
86RD00216	E	muricata D. Don [BREJ <u>California</u>]
00ZG01217	G	nigra Arnold 'Aurea'
00ZG01306	G	nigra Arnold 'Aurea'
86RD00464	K	nigra Arnold 'Hornibrookiana'
00ZG01352	G	nigra Arnold subsp. laricio (Poir.) Maire
00ZG02206	G	nigra Arnold 'Nana'
86RD00488	K	nigra Arnold 'Nana'
00ZG02915	G	nigra Arnold subsp. nigra
62RD00160	G	nigra Arnold subsp. nigra
72RD00086	G	nigra Arnold subsp. nigra
74RD00124	E	nigra Arnold subsp. nigra
91RD00003	G	nigra Arnold subsp. nigra
00ZG02207	G	nigra Arnold 'Selection'
00ZG00811	G	nigra Arnold 'Trompenburg'
78RD00994	G	nigra Arnold 'Villetta Barrea'
83RD00328	G	parviflora Sieb. & Zucc.

1 of 13 accessions sharing this taxon are listed above

86RD00500	K	parviflora Sieb. & Zucc. 'Adcock's Dwarf'
86RD00472	K	parviflora Sieb. & Zucc. 'Blue Giant'
86RD00465	K	parviflora Sieb. & Zucc. 'Gimborn's Ideal'
00ZG01858	G	parviflora Sieb. & Zucc. 'Gimborn's Pyramid'
86RD00483	K	parviflora Sieb. & Zucc. 'Gimborn's Pyramid'
00ZG02675	G	parviflora Sieb. & Zucc. 'Glauca'
00ZG02914	G	parviflora Sieb. & Zucc. 'Glauca'
83RD00329	G	parviflora Sieb. & Zucc. 'Glauca'
86RD00257	K	parviflora Sieb. & Zucc. 'Glauca'
86RD00258	K	parviflora Sieb. & Zucc. 'Glauca'
86RD00481	K	parviflora Sieb. & Zucc. 'Saphir'
86RD00490	K	parviflora Sieb. & Zucc. 'Shiobara'
00ZG00795	G	parviflora Sieb. & Zucc. 'Tempelhof'
86RD00357	K	parviflora Sieb. & Zucc. 'Tempelhof'
86RD00477	K	parviflora Sieb. & Zucc. 'Tempelhof'

Pinaceae

- 86RD00453 K parviflora Sieb. & Zucc. 'Venus'
- 00ZG00704 G peuce Griseb.
- 86RD00360 K peuce Griseb.
- 00ZG00553 G pinaster Soland. 'Aberdoniae'
- 61RD00961 G ponderosa Dougl. ex P. & C. Laws. var. ponderosa
- 72RD00042 G ponderosa Dougl. ex P. & C. Laws. var. ponderosa
- 83RD00110 E ponderosa Dougl. ex P. & C. Laws. var. ponderosa [Br.
Columbia incl. Charlotte Isl.]
- 88RD00033 E ponderosa Dougl. ex P. & C. Laws. var. ponderosa [RR&KZ
70744 California]
- 00ZG03201 G pumila (Pall.) Regel
1 of 28 accessions sharing this taxon are listed above
- 00ZG01848 G pumila (Pall.) Regel 'Dwarf Blue'
- 00ZG01909 G pumila (Pall.) Regel 'Dwarf Blue'
- 00ZG01910 G pumila (Pall.) Regel 'Dwarf Blue'
- 00ZG01911 G pumila (Pall.) Regel 'Dwarf Blue'
- 86RD00256 K pumila (Pall.) Regel 'Dwarf Blue'
- 86RD00480 K pumila (Pall.) Regel 'Dwarf Blue'
- 00ZG01841 G pumila (Pall.) Regel 'Glauca'
- 00ZG01847 G pumila (Pall.) Regel 'Glauca'
- 00ZG02536 G pumila (Pall.) Regel 'Glauca'
- 00ZG02543 G pumila (Pall.) Regel 'Glauca'
- 00ZG02549 G pumila (Pall.) Regel 'Glauca'
- 83RD00330 G pumila (Pall.) Regel 'Glauca'
- 00ZG02871 G pumila (Pall.) Regel 'Globe'
- 83RD00333 G pumila (Pall.) Regel 'Nana'
- 00ZG00702 G radiata D. Don
- 86RD00645 G radiata D. Don
- 00ZG00554 G resinosa Soland.
- 00ZG01350 G resinosa Soland.
- 84RD00057 E resinosa Soland. [Ontario]
- 85RD00100 E resinosa Soland. [Ontario]
- 85RD00161 E resinosa Soland. [Michigan]
- 86RD00052 E resinosa Soland. [Quebec]
- 00ZG02585 G rigida Mill.
- 61RD00846 E rigida Mill.
- 61RD01190 G rigida Mill.
- 74RD00042 E rigida Mill.
- 83RD00137 E rigida Mill. [Washington]
- 00ZG00031 G x schwerinii Fitschen
- 00ZG00555 G x schwerinii Fitschen
- 71RD00111 G x schwerinii Fitschen
- 63RD00237 E V sibirica (Rupr.) Mayr
- 66RD00093 G sosnowskyi Nakai
- 77RD00235 G sosnowskyi Nakai
- 00ZG01351 G spec.
- 88RD00242 G stankewiczii (Sukaczew) Fomin

Pinaceae

00ZG01465	G	strobiformis Engelm.
88RD00235		strobiformis Engelm.
61RD00852	S	strobus L.
90RD00312	E	strobus L. [<u>Quebec</u>]
2 of 41 accessions sharing this taxon are listed above		
00ZG00559	G	strobus L. 'Alba'
00ZG01482	G	strobus L. 'Contorta'
86RD00485	K	strobus L. 'Fastigiata'
86RD00463	K	strobus L. 'Jericho'
86RD00487	K	strobus L. 'Macopin'
83RD00331	G	strobus L. 'Nana'
86RD00363	K	strobus L. 'Nana'
00ZG01483	G	strobus L. 'Ontario'
00ZG01248	G	strobus L. 'Pendula'
86RD00473	K	strobus L. 'Pendula'
00ZG01485	G	strobus L. 'Radiata'
00ZG01839	G	strobus L. 'Radiata'
86RD00457	K	strobus L. 'Torulosa'
00ZG02535	G I	sylvestris L.
00ZG02546	G I	sylvestris L.
00ZG00557	G	sylvestris L. 'Aurea'
86RD00482	K	sylvestris L. 'Beuvronensis'
86RD00462	K	sylvestris L. 'Glaucua'
00ZG01487	G	sylvestris L. 'Globosa'
00ZG00558	G	sylvestris L. 'Globosa Viridis'
87RD00349	E	sylvestris L. var. lapponica Fries [<u>European Russia</u>]
81RD00048	E V	sylvestris L. var. mongolica [<u>Manchuria</u>]
00ZG02548	G	sylvestris L. 'Moseri'
00ZG00088	G	sylvestris L. 'Nana'
86RD00259	K	sylvestris L. 'Watereri'
86RD00359	K	sylvestris L. 'Watereri'
81RD00049	E	tabuliformis Carr. var. densata (Mast.) Rehd. [<u>Sichuan</u>]
61RD01530	G	tabuliformis Carr. var. tabuliformis
82RD00150	E	tabuliformis Carr. var. tabuliformis [<u>Sichuan</u>]
90RD00774	E	tabuliformis Carr. var. tabuliformis [<u>SICH 194 Sichuan</u>]
74RD00135	G	taeda L.
80RD00503	E	taiwanensis Hayata [<u>Taiwan (incl. Penghuleidao & Lan Yu)</u>]
00ZG02507	G	thunbergii Parl.
61RD01375	G	thunbergii Parl.
80RD00306	E	thunbergii Parl. [<u>Jilin</u>]
00ZG00700	G	uncinata Mill. ex Mirb. subsp. rotundata (Link) Janch. & Neumayer
61RD01224	E	uncinata Mill. ex Mirb. subsp. uncinata
70RD00029	G	uncinata Mill. ex Mirb. subsp. uncinata
71RD00112	G	uncinata Mill. ex Mirb. subsp. uncinata
72RD00041	G	uncinata Mill. ex Mirb. subsp. uncinata
82RD00182	E	uncinata Mill. ex Mirb. subsp. uncinata [<u>France</u>]

Pinaceae

- 00ZG00705 G virginiana Mill.
 80RD00531 E virginiana Mill. [A 29]
 00ZG02751 G wallichiana A.B.Jacks.
 00ZG02925 G wallichiana A.B.Jacks.
 00ZG02932 G wallichiana A.B.Jacks.
 61RD01452 E wallichiana A.B.Jacks.
 61RD01635 G wallichiana A.B.Jacks.
 72RD00035 G wallichiana A.B.Jacks.
 74RD00136 G wallichiana A.B.Jacks.
 90RD01069 E wallichiana A.B.Jacks. [Xizang (Tibet Autonomous R.)]
 00ZG01349 G wallichiana A.B.Jacks. 'Vernisson'
 00ZG01472 G wallichiana A.B.Jacks. 'Zebrina'

Pseudolarix

- 00ZG00915 I G amabilis (A.Nels.) Rehd.
 00ZG00916 I G amabilis (A.Nels.) Rehd.
 00ZG00917 I G amabilis (A.Nels.) Rehd.
 00ZG00919 I G amabilis (A.Nels.) Rehd.
 00ZG03286 G amabilis (A.Nels.) Rehd.
 70RD00036 I G amabilis (A.Nels.) Rehd.

Pseudotsuga

- 00ZG00709 G menziesii (Mirb.) Franco 'Argentea'
 00ZG00564 G menziesii (Mirb.) Franco 'Fletcheri'
 00ZG02104 G menziesii (Mirb.) Franco 'Fletcheri'
 00ZG02105 G menziesii (Mirb.) Franco 'Fletcheri'
 00ZG02726 G menziesii (Mirb.) Franco var. glauca (Beissn.) Franco
 62RD00744 G menziesii (Mirb.) Franco var. glauca (Beissn.) Franco
 71RD00143 G menziesii (Mirb.) Franco var. glauca (Beissn.) Franco
 82RD00011 E menziesii (Mirb.) Franco var. glauca (Beissn.) Franco [Montana]
 00ZG00814 G menziesii (Mirb.) Franco 'Holmstrupii'
 62RD00243 I S menziesii (Mirb.) Franco var. menziesii
 90RD00265 E menziesii (Mirb.) Franco var. menziesii [Idaho]
 90RD00266 E menziesii (Mirb.) Franco var. menziesii [Montana]
 90RD00267 E menziesii (Mirb.) Franco var. menziesii [Idaho]
 90RD00268 E menziesii (Mirb.) Franco var. menziesii [Washington]
 90RD00269 E menziesii (Mirb.) Franco var. menziesii [Washington]
 90RD00270 E menziesii (Mirb.) Franco var. menziesii [Washington]
 90RD00271 E menziesii (Mirb.) Franco var. menziesii [Br. Columbia incl. Charlotte Isl.]
 90RD00272 E menziesii (Mirb.) Franco var. menziesii [Oregon]
 90RD00273 E menziesii (Mirb.) Franco var. menziesii [Oregon]
 10 of 54 accessions sharing this taxon are listed above
 00ZG02773 G menziesii (Mirb.) Franco var. menziesii 'Fletcheri'
 00ZG00566 G menziesii (Mirb.) Franco 'Moerheimii'
 00ZG01817 G menziesii (Mirb.) Franco 'Pyramidalis'

Pinaceae

00ZG00708 G menziesii (Mirb.) Franco 'Tempelhof Compact'

Tsuga

- 00ZG02123 G canadensis (L.) Carr.
 00ZG02506 G canadensis (L.) Carr.
 00ZG03294 G canadensis (L.) Carr.
 61RD00493 E canadensis (L.) Carr.
 61RD00828 E canadensis (L.) Carr. [Quebec]
 70RD00026 G canadensis (L.) Carr.
 83RD00138 E canadensis (L.) Carr. [Ontario]
 00ZG01166 G canadensis (L.) Carr. 'Albospica'
 00ZG02116 G canadensis (L.) Carr. 'Bennet'
 00ZG00711 G canadensis (L.) Carr. 'Brandley'
 00ZG01244 G canadensis (L.) Carr. 'Cole'
 00ZG01209 G canadensis (L.) Carr. 'Curtis Ideal'
 00ZG00712 G canadensis (L.) Carr. 'Dawsoniana'
 79RD00646 G canadensis (L.) Carr. 'Dawsoniana'
 00ZG00713 G canadensis (L.) Carr. 'Fantana'
 00ZG00721 G canadensis (L.) Carr. 'Fastigiata'
 00ZG00714 G canadensis (L.) Carr. 'Fremdii'
 00ZG02120 G canadensis (L.) Carr. 'Fremdii'
 00ZG02121 G canadensis (L.) Carr. 'Fremdii'
 00ZG01162 G canadensis (L.) Carr. 'Globe'
 00ZG01160 G canadensis (L.) Carr. 'Greenwood Lake'
 00ZG00726 G canadensis (L.) Carr. 'Harmon'
 00ZG00775 G canadensis (L.) Carr. 'Hussii'
 00ZG01158 G canadensis (L.) Carr. 'Jeddeloh'
 00ZG01505 G canadensis (L.) Carr. 'Kluis'
 00ZG00717 G canadensis (L.) Carr. 'Macrophylla'
 00ZG00715 G canadensis (L.) Carr. 'Many Stems'
 00ZG00716 G canadensis (L.) Carr. 'Microphylla'
 00ZG00718 G canadensis (L.) Carr. 'Minima'
 79RD00648 G canadensis (L.) Carr. 'Minima'
 00ZG02122 G canadensis (L.) Carr. 'Parvifolia'
 00ZG02119 G canadensis (L.) Carr. 'Pendula'
 00ZG00722 G canadensis (L.) Carr. 'Pomfret'
 00ZG00723 G canadensis (L.) Carr. 'Prostrata'
 79RD00624 G canadensis (L.) Carr. 'Prostrata'
 86RD00681 K canadensis (L.) Carr. 'Pygmaea'
 00ZG00724 G canadensis (L.) Carr. 'Stranger'
 86RD00682 K canadensis (L.) Carr. 'Verkade's Recurved'
 00ZG01507 G canadensis (L.) Carr. 'Vermeulen's Pyramid'
 00ZG00776 G canadensis (L.) Carr. 'Von Helms Dwarf'
 00ZG01156 G canadensis (L.) Carr. 'Von Helms Dwarf'
 60RD00779 G caroliniana Engelm.
 88RD00236 G caroliniana Engelm.
 80RD00264 E chinensis (Franch.) Pritz. [Zhejiang]

Pinaceae

- 64RD00235 G diversifolia (Maxim.) Mast.
 79RD00622 G diversifolia (Maxim.) Mast.
 89RD00059 E diversifolia (Maxim.) Mast. [Japan]
 83RD00109 E heterophylla (Raf.) Sarg. [Br. Columbia incl. Charlotte Isl.]

1 of 22 accessions sharing this taxon are listed above

- 00ZG00198 G heterophylla (Raf.) Sarg. 'Conica'
 00ZG01041 G heterophylla (Raf.) Sarg. 'Conica'
 00ZG01042 G heterophylla (Raf.) Sarg. 'Conica'
 00ZG01673 G heterophylla (Raf.) Sarg. 'Conica'
 00ZG01889 G heterophylla (Raf.) Sarg. 'Conica'
 00ZG02118 G heterophylla (Raf.) Sarg. 'Conica'
 00ZG02562 G heterophylla (Raf.) Sarg. 'Conica'
 00ZG02747 G heterophylla (Raf.) Sarg. 'Conica'
 00ZG02749 G heterophylla (Raf.) Sarg. 'Conica'
 00ZG02170 G x jeffreyi (Henry) Henry

1 of 28 accessions sharing this taxon are listed above

- 00ZG00095 G mertensiana (Bong.) Carr.
 65RD00246 I G mertensiana (Bong.) Carr.
 00ZG02096 G mertensiana (Bong.) Carr. 'Blue Star'
 00ZG02098 G mertensiana (Bong.) Carr. 'Blue Star'
 00ZG02100 G mertensiana (Bong.) Carr. 'Blue Star'
 00ZG02101 G mertensiana (Bong.) Carr. 'Blue Star'
 00ZG02102 G mertensiana (Bong.) Carr. 'Blue Star'
 00ZG02103 G mertensiana (Bong.) Carr. 'Blue Star'
 00ZG02172 G mertensiana (Bong.) Carr. 'Blue Star'
 00ZG02173 G mertensiana (Bong.) Carr. 'Blue Star'
 91RD00946 K mertensiana (Bong.) Carr. 'Blue Star'
 00ZG00199 G sieboldii Carr.
 00ZG02117 G sieboldii Carr.
 83RD00222 E sieboldii Carr. [S.Korea]
 88RD00225 E sieboldii Carr. [S.Korea]
 00ZG02124 G sieboldii Carr. 'Glauca'

Piperaceae

Peperomia

- 68GR00675 G alata Ruiz & Pav.
 73GR00001 I G clusiifolia (Jacq.) W.J.Hook.
 92GR00577 G columella Rauh & P. Hutchison
 68GR00676 G fenzlei Regel
 68GR00679 G flexicaulis Wawra
 73GR00371 I G fraseri C.DC.
 68GR01392 I G glabella (Sw.) A.Dietr.
 68GR00666 I G glabella (Sw.) A.Dietr. 'Variegata'
 83GR00598 I E ilaloensis Sodiro [Colombia]
 68GR00682 I G incana (Haw.) A.Dietr.
 68GR00681 I G obtusifolia (L.) A.Dietr.

Piperaceae

- 68GR01398 I G obtusifolia (L.) A.Dietr. 'Green Gold'
 73GR00033 G puberulispica C.DC.
 68GR00672 I G rotundifolia (L.) H.B.K. var. rotundifolia
 68GR00677 I G rubella (Haw.) W.J.Hook.
 73GR00372 G serpens (Sw.) Loud.
 68GR01399 G spec.
 85GR00138 S spec. [Hawaii Isl.]
 88GR00262 E spec. [H. - Costa Rica]
 73GR00032 G subrenifolia Trel. & Yuncker
 81GR00046 I E velutina J.J.Lind. & Andre [BG Ecuador]
 76GR00263 I G verschafteltii Lem.
 73GR00379 I G verticillata (L.) A.Dietr.

Piper

- 73GR00218 I G arboreum Aubl. var. arboreum
 80GR00054 G betle L.
 68GR00875 I G crocatum Ruiz & Pav.
 80GR00081 G dilatatum L.C.Rich.
 72GR00378 I G magnificum hort. ex Trel.
 73GR00471 G nigrum L., cv.
 80GR00059 I G obliquum Ruiz & Pav.
 68GR00979 G ornatum N.E.Br.
 84GR00416 G rugosum Lam.
 73GR00215 I G unguiculatum Ruiz & Pav.

Pothomorphe

- 82GR00069 G peltata (L.) Miq.

Pittosporaceae

Citriobatus

- 73GR00514 I G multiflorus A.Cunn.

Pittosporum

- 92RD00558 G 'Garnettii'
 75GR00266 I G tobira (Thunb.) Ait.f.
 75GR00255 I G undulatum Vent.
 91GR01942 I G undulatum Vent.

Plantaginaceae

Plantago

- 54ZE02451 I G afra L.
 89ZE00024 G bellardii All.
 89ZS00025 G cornuti Gouan
 61ZE00611 I G coronopus L. var. coronopus
 61ZE01403 I G lagopus L.

Plantaginaceae

- 86ZS00002 E lanceolata L. [W.Germany]
 80ZS00081 E major L. subsp. major [Poland]
 89BL00108 K nivalis Boiss.

Platanaceae

Platanus

- 00ZG00075 G x acerifolia (Ait.) Willd.
 90RD00241 K x acerifolia (Ait.) Willd.
 80RD00464 E occidentalis L. [Michigan]
 61RD00532 G orientalis L.
 61RD00550 G orientalis L.

Plumbaginaceae

Acantholimon

- 89BL00028 E diapensioides Boiss. [Tadzhikistan]
 64BL00364 I G glumaceum (Jaub. & Spach) Boiss.
 91BL01369 K litvinovii Lincz.
 84BL00118 E spec. [ERN 7616 Pakistan]
 90BL01181 K R ulicinum (Willd. ex Schultes) Boiss.
 91BL00401 G R ulicinum (Willd. ex Schultes) Boiss.
 92BL00878 G venustum Boiss.

Armeria

- 77BL00177 E alliacea (Cav.) Hoffm. & Link [France]
 77BL00178 I S girardii (Bernis) Litard. [France]
 84BL00463 G girardii (Bernis) Litard.
 92BL00782 K juniperifolia (Vahl) Hoffm. & Link
 92BL00224 E maritima (Mill.) Willd. subsp. alpina (Willd.) P.Silva
 [Austria]
 77BL00164 E maritima (Mill.) Willd. s.l. [Yugoslavia]
 77ZS00007 I E maritima (Mill.) Willd. s.l. [Sweden]
 84BL00259 G maritima (Mill.) Willd. 'Splendens Perfecta'
 86BL00162 K maritima (Mill.) Willd. 'Vindictive'
 77BL00180 I E ruscionensis Girard [France]

Ceratostigma

- 69BL00437 I G plumbaginoides Bunge
 75GR00293 I G willmottianum Stapf

Dictyolimon

- 87BL00526 E macrorrhados (Boiss.) K.H. Rech. [SEP 18 Pakistan]

Goniolimon

- 84BL00191 G elatum (Fisch. ex Spreng.) Boiss.
 88ZS00029 G tataricum (L.) Boiss. subsp. tataricum

Plumbaginaceae

- Limonium**
- 71BL00252 I G latifolium (J.E.Sm.) O.Kuntze
 71ZS00024 I G latifolium (J.E.Sm.) O.Kuntze
 83BL00316 G minutum (L.) Fourr.
 84BL00199 G minutum (L.) Fourr.
 84BL00315 G minutum (L.) Fourr.
 91ZE00159 K sinuatum (L.) Mill.
 73BL00153 I S R transwallianum (Pugsley) Pugsley [Ireland, Rep.]
 87ZS00022 E vulgare Mill. subsp. vulgare [France]
 88ZS00044 E vulgare Mill. subsp. vulgare [W.Germany]

- Plumbago**
- 73GR00347 I G auriculata Lam.
 68GR01525 I G caerulea H.B.K.

- Psylliostachys**
- 75ZE00620 I G suvorovii (Regel) Roshk.

Poaceae

- Achnatherum**
- 80ZB00014 G calamagrostis (L.) P. Beauv.

- Aegilops**
- 65ZE01402 I G ovata L.

- Agropyron**
- 71ZS00032 I G cristatum (L.) Gaertn.

- Agrostis**
- 82BL00080 E alpina Scop. [Austria]
 68ZE02456 G nebulosa Boiss. & Reut.

- Arrhenatherum**
- 71BL00411 G elatius (L.) P.Beauv. ex J.S. & K.B.Presl subsp. bulbosum
 (Willd.) Schuebl. & Martens

- Arthraxon**
- 57ZE00743 I G ciliaris P. Beauv.

- Arundinaria**
- 00ZG02315 G chino (Franch. & Sav.) Mak.
 91ZB01511 I G simonii (Carr.) A. & C. Riv.
 00ZG02324 G simonii (Carr.) A. & C.Riv. 'Variegata'
 00ZG02323 G viridi-striata (Sieb. ex Andre) Mak. ex Nakai

Poaceae

- 85ZB00001 G **Arundo**
donax L.
- Avena**
- 91ZE00539 I G sativa L.
92ZE00314 G sativa L.
- Avenula**
- 85ZB00002 G planiculmis (Schrad.) W.Sauer & H.Chmelitschek
85ZB00003 G pratensis (L.) Dumort.
- Axonopus**
- 91GR01143 G compressus (Sw.) P. Beauv.
- Beckmannia**
- 58ZE02032 I G syzigachne (Steud.) Fern.
- Brachiaria**
- 91GR01151 G deflexa
- Briza**
- 54ZE02491 I G maxima L.
91ZE01638 G maxima L.
91ZS00221 E media L. [Austria]
91ZS00511 E media L. [Norway]
91ZS01746 U media L.
89BL00013 E spec. [WOLB 88-012 Nepal]
- Calamagrostis**
- 85ZB00005 G x acutiflora (Schrad.) Rchb. 'Karl Foerster'
- Cenchrus**
- 91GR01152 G ciliaris
- Cortaderia**
- 73ZB00009 I G selloana (Schult. & Schult.f.) Aschers. & Graebn.
89BL00078 K selloana (Schult. & Schult.f.) Aschers. & Graebn.. cv.
89BL00079 K selloana (Schult. & Schult.f.) Aschers. & Graebn.. cv.
89BL00080 K selloana (Schult. & Schult.f.) Aschers. & Graebn.. cv.
89BL00082 K selloana (Schult. & Schult.f.) Aschers. & Graebn.. cv.
89BL00083 K selloana (Schult. & Schult.f.) Aschers. & Graebn.. cv.
89BL00084 K selloana (Schult. & Schult.f.) Aschers. & Graebn.. cv.
89BL00085 K selloana (Schult. & Schult.f.) Aschers. & Graebn.. cv.
89BL00086 K selloana (Schult. & Schult.f.) Aschers. & Graebn.. cv.
- Cynodon**
- 91GR01142 G dactylon (L.) Pers.

Poaceae

71ZS00011	I G	Dactylis glomerata L.
85ZB00014	G	Deschampsia cespitosa (L.) P. Beauv. 'Bronzeschleier'
91GR01138	G	Echinochloa colonom (L.) Link
55ZE00772	I G	crus-galli (L.) P. Beauv.
91GR01154	G	Eleusine indica (L.) Gaertn.
57ZE00370	I G	Eragrostis poeoides P. Beauv.
75BL00155	G	Festuca alpina Suter
65BL00196	G	flavescens Bell.
65BL00461	I G	glauca Lam.
85ZB00020	G	ovina L.
75BL00156	G	punctoria J.E.Sm.
91ZS01904	U	rubra L. subsp. commutata Gaudin
86BL00470	G	rubra L. subsp. rubra
71BL00203	G	vallesiaca Schleich. ex Gaud.
74GR00707	G	Gigantochloa apus (Schult.f.) Kurz ex Munro
69BL00286	G	Glyceria maxima (Hartm.) Holmb.
85ZB00022	G	Helictotrichon sempervirens (Vill.) Pilg.
91ZE00777	G	Hordeum vulgare L.
92ZE00305	G	vulgare L.
89GR00114	G	Hygroryza aristata (Retz.) Nees ex Wight & Arn.
91GR01148	G	Imperata cylindrica (L.) Raeusch.
91ZS00568	G	Koeleria pyramidata (Lamk.) P. Beauv.

Poaceae

- 91ZS00639 G pyramidata (Lamk.) P. Beauv.
- Lagurus**
- 57ZE01417 I G ovatus L.
- Lolium**
- 91ZE01658 G multiflorum Lam.
- Melica**
- 79ZS00068 I E ciliata L. subsp. ciliata [EAM Spain]
- 92ZS00519 E uniflora Retz. [Belgium]
- Miscanthus**
- 85ZB00028 G purpurascens Anderss.
- 71ZS00103 I G sacchariflorus (Maxim.) Hack.
- 83ZS00019 S sinensis (Thunb.) Anderss. [Japan]
- 72BL00230 I G sinensis (Thunb.) Anderss. 'Gracillimus'
- 85ZB00029 G sinensis (Thunb.) Anderss. 'Strictus'
- 85ZB00030 G sinensis (Thunb.) Anderss. 'Variegatus'
- 85ZB00031 G sinensis (Thunb.) Anderss. 'Zebrinus'
- Molinia**
- 85ZB00032 G arundinacea Schrank 'Fontaine'
- 85ZB00033 G arundinacea Schrank 'Karl Foerster'
- 85ZB00034 G caerulea (L.) Moench 'Moorhexe'
- 73BL00162 G caerulea (L.) Moench 'Variegata'
- Oplismenus**
- 68GR00719 I G hirtellus (L.) P. Beauv. 'Variegatus'
- Panicum**
- 85ZB00035 G virgatum L. 'Haenseatum'
- 85ZB00036 G virgatum L. 'Rotstrahlbusch'
- 85ZB00037 G virgatum L. 'Strictum'
- Paspalum**
- 91GR01150 G plicatum Michx.
- Pennisetum**
- 85ZB00038 G alopecuroides (L.) Spreng.
- 85ZB00039 G alopecuroides (L.) Spreng. 'Hameln'
- 79ZE00360 I G setaceum (Forssk.) Chiov.
- Phalaris**
- 82ZE02141 I E canariensis L. [Italy]

Poaceae

- 66GR01727 I E **Pharus**
glaber H.B.K. [L&HAAS Brazil]
- Poa**
- 87BL00385 E alpina L. [Poland]
92ZE00462 I E annua L. [France]
87BL00046 G chaixii Vill.
- Rottboellia**
- 91GR01159 G exaltata (L.) L.f.
- Saccharum**
- 76GR00094 G officinarum L.. cv.
- Sasa**
- 00ZG02320 G nipponica (Mak.) Mak.
00ZG02321 G nipponica (Mak.) Mak.
00ZG02322 G palmata (Burbidge) Camus subsp. nebulosa
00ZG00903 I G veitchii (Carr.) Rehd.
00ZG00955 G veitchii (Carr.) Rehd.
- Scleropoa**
- 62BL00116 E dura (L.) Beauv.
- Secale**
- 91ZE00263 E R cereale L. [Switzerland]
- Sesleria**
- 66BL00043 I G autumnalis (Scop.) F.W.Schultz
85ZB00040 G nitida Ten.
- Setaria**
- 77ZE00320 G italica (L.) P.Beauv.
91GR01160 G italica (L.) P.Beauv.
68GR01530 I G palmifolia (J.G.Koenig) Stapf
- Sinarundinaria**
- 00ZG02316 G murielae (Gamble) Nakai
00ZG02317 G murielae (Gamble) Nakai
00ZG02318 G murielae (Gamble) Nakai
00ZG02319 G murielae (Gamble) Nakai
- Sorghum**
- 87ZE01448 G bicolor (L.) Moench
88ZE00062 G bicolor (L.) Moench
91GR01146 G halepense (L.) Pers.

Poaceae

- 85ZB00042 G **Spartina**
pectinata Link 'Aureomarginata'
- 85ZB00043 G **Spodiopogon**
sibiricus Trin.
- 71BL00253 G **Stipa**
pennata L.
- 85ZB00046 G **Themeda**
triandra Forssk. var. japonica (Willd.) Mak.
- 90ZE00052 G **Triticum**
monococcum L.
- 85ZB00047 G **Uniola**
latifolia Michx.
- 57ZE00384 I G **Vulpia**
myuros (L.) C.C.Gmel.
- 84ZE02517 K **Zea**
mays L. 'Aardbei'
- 74ZS00040 G mays L. convar. saccharata Koern.

Podocarpaceae

- 86RD00671 G **Podocarpus**
andinus Poepp. ex Endl.
- 73GR00547 G elatus R.Br.
- 71RD00169 G henkelii Stapf ex Dallim.
- 92GR01104 I E lambertii Klotzsch [JCL Rio Grande do Sul]
- 71RD00167 G latifolius (Thunb.) R.Br. ex Mirb.
- 72RD00215 G lawrencei J.D.Hook.
- 00ZG00571 G nivalis W.J. Hook.
- 65RD00098 G nivalis W.J. Hook.
- 70RD00191 G nivalis W.J. Hook.
- 79RD00642 G nivalis W.J. Hook.

Polemoniaceae

- 86ZE02542 U **Cobaea**
scandens Cav.
- 55ZE00776 I G **Collomia**
cavanillesii W.J.Hook. & Arn.
- 62ZE02181 I G linearis Nutt.

Polemoniaceae

- Gilia**
- 53ZE00902 I G achilleifolia Benth.
 55ZE00985 I G laciniata Ruiz & Pav.
 89ZE00014 I G tricolor Benth.
- Navarretia**
- 55ZE00770 I G squarrosa (Eschsch.) W.J. Hook. & Arn.

- Phlox**
- 76ZB00002 G (Paniculata-hybr.) 'Spitfire'
 86BL00600 K I bifida Beck
 89BL00127 K bifida Beck 'Alba'
 90BL01190 K bifida Beck cv.
 89BL00130 K bifida Beck 'Star Brite'
 82BL00223 E caespitosa Nutt. [Br. Columbia incl. Charlotte Isl.]
 90BL01152 covillei A. Nels.
 84BL00533 G douglasii W.J.Hook.
 83BL00427 G douglasii W.J.Hook. 'Crackerjack'
 89ZE00029 K drummondii W.J.Hook. cv.
 83BL00419 G I hirsuta E.E.Nels.
 66BL00114 G subulata L. 'Alice Wilson'
 80BL00085 G subulata L. 'Atropurpurea'
 71BL00409 I G subulata L. var. brittonii (Small) Wherry
 66BL00070 G subulata L. 'Snowflake'
 75BL00113 G subulata L. 'Temiscaming'

- Polemonium**
- 84BL00069 E acutiflorum Willd. var. nipponicum (Kitam.) Ohwi [Japan]
 66BL00107 I G caeruleum L. var. caeruleum
 91ZS00658 E caeruleum L. var. caeruleum [Switzerland]
 91ZS00783 S caeruleum L. var. caeruleum [Finland]
 91ZS01758 U caeruleum L. var. caeruleum
 87BL00541 S liniflorum V.Vassil [E.Siberia]
 87BL00540 S pulcherrimum W.J.Hook.
 83BL00180 G viscosum Nutt.
 83BL00244 G viscosum Nutt.

Polygalaceae

- Polygala**
- 84BL00464 G supina Schreb. subsp. rhodopea (Velen.) McNeill
 84ZS00008 E vulgaris L. [Belgium]

Polygonaceae

- Coccoloba**
- 75GR00390 U mollis Casar.

Polygonaceae

- 86GR01303 G uvifera (L.) L.
- Eriogonum**
- 69BL00200 G compositum Dougl.
 91BL00048 S compositum Dougl. [California]
 91BL00248 E douglasii Benth. [Washington]
 91BL00047 E fasciculatum Benth. [California]
 91BL00591 E fasciculatum Benth. [California]
 91BL00252 E I flavum Nutt. [Wyoming]
 91BL00254 E heracleoides Nutt. var. minus [Washington]
 91BL00627 G jamesii Benth.
 91BL00045 E I lobbii Torr. & A. Gray [California]
 91BL00046 E marifolium Torr. & A. Gray var. incanum (Torr. & A. Gray) M.E. Jones [California]
 91BL00044 E nudum Dougl. ex Benth. var. nudum [California]
 91BL00043 S nudum Dougl. ex Benth. var. pubiflorum [California]
 91BL00042 E ovalifolium Nutt. var. eximium [Nevada]
 91BL00262 E pharnaceoides [Arizona]
 62BL00307 G racemosum Nutt.
 91BL00040 E sphaerocephalum Dougl. ex Benth. var. halimioides [California]
 91BL00041 E sphaerocephalum Dougl. ex Benth. var. sphaerocephalum [Nevada]
- 65BL00323 I G R umbellatum Torr.
 91BL00039 E umbellatum Torr. var. nevadense [Nevada]
 91BL00038 E umbellatum Torr. var. polyanthum [California]
 91BL00037 E umbellatum Torr. var. subalpinum (E. Greene) M.E. Jones [Washington]
 91BL00035 E ursinum [California]
 91BL00034 E wrightii Torr. ex Benth. subsp. subscaposum (S. Wats.) S. Stokes [Nevada]
- Fagopyrum**
- 60ZE02169 I G esculentum Moench
 91ZE01593 G esculentum Moench
 81ZE00315 I G tataricum (L.) Gaertn.
- Muehlenbeckia**
- 65BL00249 I G axillaris (J.D. Hook.) Walp.
- Oxyria**
- 66BL00189 I G digyna (L.) J.Hill
- Polygonum**
- 92RD00727 K aubertii L. Henry
 83ZE00326 E aviculare L. [Norway]
 75ZS00013 I G bistorta L.

Polygonaceae

- 85BL00216 U bistorta L.
 91ZS01915 U bistorta L.
 72ZS00035 I G capitatum Buch.-Ham. ex D. Don
 73ZS00027 I G divaricatum L.
 65ZE00319 I G orientale L.
 79ZE00349 G persicaria L.
 92ZE00339 E persicaria L. [Belgium]
 71BL00392 I G vacciniifolium Meissn.
 64BL00358 I G viviparum L.

Reynoutria

- 74ZS00032 I G japonica Houtt. var. compacta (J.D. Hook.) Buchheim
 86BL00436 E japonica Houtt. var. japonica [WERG. Japan]

Rheum

- 76ZS00029 G 'Goliath'
 75ZS00014 G officinale Baill.
 73ZS00070 G palmatum L. var. tanguticum Maxim.
 79ZS00040 G R rhaponticum L.

Rumex

- 79ZS00057 G acetosa L.
 91ZS01906 U acetosa L.
 89BL00140 U alpinus L.
 92BL00899 G alpinus L.
 79ZS00036 G crispus L.
 87BL00341 E sanguineus L. [W.Germany]
 66BL00193 I G scutatus L. var. glaucus Jacq.
 89BL00008 E spec. [WOLB 88-003 Nepal]
 89BL00009 E spec. [WOLB 88-004 Nepal]

Tovara

- 75ZS00011 I S virginiana (L.) Raf. [Michigan]

Triplaris

- 87GR00273 I E weigeltiana (Rchb.) O. Kuntze [MJJ Guyana]

POLYPODIACEAE

In 1990 the research of Prof. Dr. E.M. Hennipman at Utrecht University came to an end. This was due to a reorganization of the research carried out at the Biology Faculty. The very extensive collection has subsequently been offered to Leiden Botanic Garden for their ongoing research. This was followed by a selection of Utrecht Botanic Gardens, for its own fern collection.

Polypodiaceae

Of the remainder, more than half of the initial collection, duplicates or triplicates, etc. were offered to the gardens and institutes of Kew, Berlin, Zürich, Meise (Brussels), and Haren.

LECANOPTERIS

During the scientific research on *Polypodiaceae* a very elaborate collection of the genus *Lecanopteris* was built up. After termination of the research, a duplicate set of this collection was sent to Leiden Botanic Garden, and duplicate specimens were sent to various garden and institutes. A complete set remains at Utrecht Botanic Gardens as reference collection.

Polypodiaceae

Aglaomorpha

- | | | |
|-----------|-----|----------------------------------------------------------------------|
| 82GR00206 | I U | heraclea (Kunze) Copel. |
| 83GR00554 | I E | meyeniana Schott [<u>Philippines</u>] |
| 84GR00313 | U | novoguineensis (Brause) C. Chr. |
| 83GR00478 | I E | parkinsoni (Bak.) Croxall & Roos [ROOS 8377 <u>Papua Nw Guinea</u>] |
| 87GR00112 | E | pilosa (J. Sm.) Copel. [H.- 7835-01 <u>Philippines</u>] |
| 82GR00243 | I G | splendens (J. Sm.) Copel. |

Campyloneurum

- | | | |
|-----------|---|-------------------------------------------------------------|
| 86GR01139 | E | latum T.Moore [H.- 7155-5 <u>Costa Rica</u>] |
| 86GR01140 | E | latum T.Moore [H.- 7155-6 <u>Costa Rica</u>] |
| 86GR00434 | E | spec. [H.- 6561-6 <u>Costa Rica</u>] |
| 86GR00429 | E | wercklei (Christ) Lellinger [H.- 6561-1 <u>Costa Rica</u>] |

Christiopteris

- | | | |
|-----------|---|--------------------------------------------------|
| 87GR00126 | E | sagitta Christ [H.- 7851-01 <u>Philippines</u>] |
|-----------|---|--------------------------------------------------|

Colysis

- | | | |
|-----------|---|-----------------------------|
| 85GR00165 | G | wrightii (W.J. Hook.) Ching |
|-----------|---|-----------------------------|

Drynaria

- | | | |
|-----------|-----|------------------------------------------------------------------|
| 85GR00176 | I E | descensa Copel. [GRL 075 <u>Philippines</u>] |
| 82GR00211 | I E | propinqua (Wall. ex Mett.) Bedd. [H.- 4696/67] |
| 81GR00131 | I E | quercifolia (L.) J. Sm. [MANTONP 158 <u>Sri Lanka</u>] |
| 83GR00512 | I G | rigidula (Sw.) Bedd. [ROOS 83103] |
| 83GR00448 | I E | sparsisora (Desv.) T. Moore [ROOS 83113 <u>Papua Nw Guinea</u>] |
| 82GR00204 | I G | sparsisora x D. willdenowii |
| 84GR00101 | I G | volkensis Hieron. |

Polypodiaceae

Goniophlebium

- 81GR00101 I G brasiliense (Poir.) Farw.
 86GR00981 G glaucophyllum (Klotzsch) Fee [H.- 7061-01 Costa Rica]
 83GR00491 E spec. [ROOS 8370 Papua Nw Guinea]
 83GR00486 I E subauriculatum (Bl.) K.B.Presl [ROOS 8390 Papua Nw Guinea]
 87GR00093 E terrestre (Copel.) Copel. [H.- 7825-01 Philippines]

Lecanopteris

- 82GR00293 I E carnosia (Reinw.) Bl. [H.- 5665 Sulawesi (Celebes)]
 90GR01068 U carnosia (Reinw.) Bl.
 85GR00170 I E celebica [Sulawesi (Celebes)]
 82GR00292 I U crustacea Copel.
 87GR00136 I E curtisii Bak. [H.- 7865-01 Philippines]
 87GR00085 I E luzonensis Hennipm. [H.- 7820-03 Philippines]
 92GR00665 G mirabilis (C.Chr.) Ching
 85GR00097 I E pumila Bl. [WODJ 551 Malaysia]
 83GR00571 I U sarcopus (Teysm. & Binn.) Copel.
 89GR00120 I U sarcopus (Teysm. & Binn.) Copel.
 82GR00208 I E sinuosa (Wall. ex W.J.Hook) Copel. [PRICE 1705]
 86GR00023 I E sinuosa (Wall. ex W.J.Hook) Copel. [GRL 139 Luzon]
 87GR00087 I E sinuosa (Wall. ex W.J.Hook) Copel. [H.- 7821-01 Philippines]

Lemmaphyllum

- 82GR00143 I E microphyllum K.B.Presl [AFS 2161 Shikoku]

Microgramma

- 86GR01005 E ciliata (Willd.) Alston [H.- 7092-1 Costa Rica]
 86GR01117 E ciliata (Willd.) Alston [H.- 7146-1 Costa Rica]
 81GR00079 E heterophylla (L.) Wherry
 86GR01004 E lycopodioides (L.) Copel. [H.- 7091-1 Costa Rica]
 87GR00016 G mauritiana
 83GR00559 G persicariifolia (Schrad.) K.B.Presl
 68GR00466 G spec.

Microsorium

- 83GR00479 I E linguaeforme (Mett.) Copel. [ROOS 8378 Papua Nw Guinea]
 83GR00499 I E linguaeforme (Mett.) Copel. [ROOS 8378 Papua Nw Guinea]
 82GR00165 I G punctatum (L.) Copel.
 86GR00013 E validum (Copel.) Ching [GRL 127 Luzon]

Niphidium

- 86GR00897 E spec. [H.- 7034-01 Costa Rica]

Phlebodium

- 68GR00559 I G aureum (L.) J.Sm. var. areolatum (H. & B. ex Willd.) J.Sm.

Polypodiaceae

- 83GR00038 I E aureum (L.) Sm. var. aureum [Venezuela]
 86GR00778 E aureum (L.) Sm. var. aureum [H.- 6952-01 Costa Rica]

Phymatosorus

- 82GR00286 I G commutatus (Bl.) Pichi-Serm.
 82GR00279 E cromwellii (Ros.) ined. [H.- -5476 Sulawesi (Celebes)]

Platyserium

- 68GR00553 I G bifurcatum (Cav.) C. Chr. var. bifurcatum
 76GR00288 I G bifurcatum (Cav.) C. Chr. var. hillii (T. Moore) Domin
 82GR00181 I U R bifurcatum (Cav.) C. Chr. subsp. veitchii (Underw.) Hennipm. & Roos [AFS 2219]
 68GR00556 G bifurcatum (Cav.) C. Chr. subsp. willinckii (T. Moore) Hennipm. & Roos 'Lemoinei'
 82GR00171 G E grande (Fee) Kunze
 82GR00257 I E E grande (Fee) Kunze [PRICE Philippines]
 82GR00221 U holttumii De Jonch. & Hennipm.
 76GR00286 G spec.
 76GR00287 G spec.
 82GR00355 I G stemaria (Beauv.) Desv.
 82GR00218 U superbum De Jonch. & Hennipm.

Pleopeltis

- 86GR01134 E percussa (Cav.) W.J. Hook. [H.- 7154-2 Costa Rica]
 86GR01171 E revoluta (Spreng. ex Willd.) A.R. Sm. [H.- 7167-S Costa Rica]

Polypodium

- 86GR00336 E x aspidiolepis Bak. [H.- 6526-01 Costa Rica]
 80GR00264 I E crassifolium L. [MAAS 4701 Ecuador]
 85GR00219 U x font-queri Rothm. [CHH 14]
 85GR00163 G formosanum Bak.
 86GR00331 E fuscopetiolatum A. Reed Smith [H.- 6522-01 Costa Rica]
 82GR00261 I E glaucophyllum Klotzsch [Peru]
 84GR00014 I E hirsutissimum Raddi [Colombia]
 71BL00429 I G interjectum Shivas
 86GR00884 E latipes Langsd. & Fisch. [H.- 7028-01 Costa Rica]
 86GR01053 E leucosticton G. Kunze ex Klotzsch [H.- 7124-3 Costa Rica]
 86GR00178 E loriceum L. [BARO 147 Costa Rica]
 86GR01111 E maritimum Hieron. [H.- 7144-S Costa Rica]
 86GR00859 E montigenum Maxon [H.- 6999-01 Costa Rica]
 68GR00570 I E persicariifolium Schrad. [HEKK 992 Suriname]
 86GR00980 E plectolepis W.J. Hook. [H.- 7060-S Costa Rica]
 86GR00317 E polypodioides (L.) Hitchcock [H.- 6508A-1 Costa Rica]
 86GR00405 E ptilorhizon Christ [H.- 6537-01 Costa Rica]
 81GR00084 G x schneideri
 85GR00147 G spec.

Polypodiaceae

- 91GR00011 U spec.
 78BL00435 G vulgare L.
 79ZS00053 G vulgare L.

Pyrrosia

- 82GR00290 I E christii (Giesenh.) Ching [GEES Borneo]
 82GR00254 I G lanceolata (L.) Farw.
 82GR00297 I E lanceolata (L.) Farw. [Sulawesi (Celebes)]
 82GR00256 I E longifolia (N.L.Burm.) C.V.Morton [H.- Sulawesi (Celebes)]
 84GR00372 I G polydactyla (Hance) Ching
 83GR00456 E spec. [ROOS 83119 Papua Nw Guinea]

Schellolepis

- 86GR00193 E argutum (Wall.) J.Sm. ex W.J. Hook. [GRL 108 Phillip-
 pines]

Selliguea

- 82GR00132 I E feei Bory [JACOBS Jawa]

Pontederiaceae

Eichhornia

- 76GR00078 I G crassipes (Mart.) Solms

Portulacaceae

Anacampseros

- 70GR00183 G meyeri V. Poelln.

Calandrinia

- 53ZE00774 I G compressa Schrad.
 91BL01691 K hispida Phil.
 82BL00207 G umbellata (Ruiz. & Pav.) DC.

Claytonia

- 79BL00379 G megarhizia (A.Gray) Parry ex S.Wats. var. nivalis (English)
 C.L.Hitchc.
 91ZE01899 U perfoliata Donn. ex Willd.
 81ZE00313 I G sibirica (L.) Howell

Lewisia

- 86BL00013 G brachycalyx Engelm. ex A.Gray
 86BL00165 K cantelovii J.T. Howell
 92BL00827 G cantelovii J.T. Howell
 92BL00848 G cantelovii J.T. Howell
 92BL00894 G cantelovii J.T. Howell subsp. serrata
 83BL00292 E columbiana (Howell) Robins. [Washington]

Portulacaceae

- 83BL00293 E V cotyledon (S.Wats.) Robins. [California]
 92BL00860 G V cotyledon (S.Wats.) Robins.
 92BL00825 K cotyledon (S.Wats.) Robins. cv.
 92BL00849 K cotyledon (S.Wats.) Robins. cv.
 92BL00893 G I cotyledon (S. Wats.) Robins. var. howellii (S. Wats.) Jeps.
 71BL00386 G leana (Porter) Robins.
 92BL00884 G I pygmaea (A. Gray) Robins.
 88BL00099 E rediviva Pursh [R.R. 70108 California]
 87BL00708 G tweedyi (A.Gray) Robins.
 92BL00850 G tweedyi (A.Gray) Robins.
 83BL00353 G tweedyi (A.Gray) Robins. 'Rosea'

Portulaca

- 89ZE00030 K grandiflora W.J.Hook. cv.
 91GR01158 G oleracea L. subsp. oleracea
 91ZE00822 E oleracea L. subsp. oleracea [E.Germany]

Talinum

- 83BL00420 G appalachianum W.Wolf
 68GR01533 I G paniculatum (Jacq.) Gaertn.
 75GR00409 I E triangulare (Jacq.) Willd. [FROMME 1 Philippines]

Primulaceae

Anagallis

- 53ZE00910 V G arvensis L. subsp. arvensis
 91ZE00453 I E arvensis L. subsp. arvensis [E.Germany]
 91ZE01620 G arvensis L. subsp. arvensis

Androsace

- 69BL00037 I G albana Stev.
 85BL00256 G carnea L. subsp. brigantiaca (Jord. & Fourr.) I.K. Fergus.
 82BL00161 E carnea L. subsp. carnea [Switzerland]
 82BL00133 E carnea L. subsp. laggeri (Huet) Nym. [Spain]
 92BL00883 G carnea L. subsp. laggeri (Huet) Nym. x A. pyrenaica
 90BL01089 K carnea L. x A. pyrenaica Lam.
 85BL00258 G cylindrica DC.
 90BL01191 K delavayi Franch.
 92BL00752 G x heeri Hegetschw.
 86BL00494 E helvetica (L.) All. [Switzerland]
 85BL00260 G hirtella Dufour
 92BL00891 G hirtella Dufour
 83BL00417 G hookeriana Klatt
 69BL00167 I G lanuginosa Wall. 'Leichtlinii'
 86BL00102 G V mathildae Levier
 83BL00407 G rotundifolia Hardw.
 85BL00212 G rotundifolia Hardw.

Primulaceae

- 75BL00134 G sarmentosa Wall. 'Watkinsii'
 86BL00538 E septentrionalis L. [Italy]
 90BL01087 U spec.
 91BL00631 I G strigillosa Franch.
 66BL00416 I G studiosorum A. Kress
 86BL00486 G vandellii (Turra) Chiov.
 92BL00888 G villosa L. var. taurica (Ovcz.) R. Knuth

Coris

- 90BL00369 E monspeliensis L. [Italy]

Cortusa

- 86BL00569 G altaica Los.-Losinsk.
 75BL00013 I G matthioli L. f. matthioli
 81BL00044 E matthioli L. f. matthioli [Austria]
 81BL00219 E turkestanica Los.-Losinsk. [Kirgiziya]
 89BL00029 E turkestanica Los.-Losinsk. [Tadzhikistan]

Cyclamen

- 86BL00029 S africanum Boiss. & Reut. [Turkey (Asia Minor)]
 83BL00187 E cilicium Boiss. & Heldr. var. cilicium [Turkey (Asia Minor)]
 65BL00011 G coum Mill. subsp. caucasicum (K.Koch) Schwarz
 86BL00031 S coum Mill. subsp. caucasicum (K.Koch) Schwarz [L&P 7075
 Turkey (Asia Minor)]
 92BL00812 G coum Mill. subsp. caucasicum (K.Koch) Schwarz
 86BL00033 S coum Mill. subsp. coum [L&P 7082 Turkey (Asia Minor)]
 77BL00381 G coum Mill. subsp. hiemale (Hildebr.) Schwarz
 77BL00376 N creticum (Doerfl.) Hildebr. [Crete]
 87BL00018 G cyprium Kotschy
 77BL00378 G hederifolium Ait.
 90BL00020 G hederifolium Ait.
 92BL00833 K hederifolium cv.
 77BL00379 G libanoticum Hildebr.
 78BL00401 S V mirabile Hildebr. [Turkey (Asia Minor)]
 77BL00380 G pseudibericum Hildebr.

Dionysia

- 92BL00859 G aretioides (Lehm.) Boiss.
 92BL00869 G aretioides (Lehm.) Boiss. 'Paul Frunze'
 92BL00879 G aretioides (Lehm.) Boiss. 'Phyllis Carter'
 92BL00892 G I involucrata Zaprj.
 92BL00858 G tapetodes Bunge

Dodecatheon

- 90BL00120 G alpinum (A. Gray) E. Greene
 88BL00100 E clevelandii E. Greene [California]
 83BL00104 G clevelandii E. Greene subsp. clevelandii

Primulaceae

- 88BL00135 G clevelandii E.Greene subsp. patulum (E.Greene)
H.J.Thomps.
84BL00008 G cusickii E.Greene
83BL00281 E dentatum W.J.Hook. subsp. dentatum [Oregon]
86BL00531 E frigidum Cham. & Schlechtend. [Chukotsk Nat. R.]
91BL00340 G meadia L.
87BL00091 E poeticum L.F.Henders. [Br. Columbia incl. Charlotte Isl.]
87BL00041 G pulchellum (Raf.) Merr.
66BL00436 I G pulchellum (Raf.) Merr. subsp. pulchellum
84BL00006 G pulchellum (Raf.) Merr. subsp. pulchellum
88BL00256 G redolens (H.M.Hall) H.J.Thomps.

Douglasia

- 83BL00116 E laevigata A.Gray [Washington]
88BL00212 E laevigata A. Gray var. ciliolata Const. [Washington]
84BL00090 E montana A.Gray [Wyoming]

Lysimachia

- 76ZS00021 I G clethroides Duby
88ZS00025 I G ephemerum L.
66BL00172 I G nemorum L.
66BL00461 I G nummularia L.
73ZS00036 I E nummularia L. [The Netherlands]
91ZS01910 U nummularia L.
67BL00257 I G punctata L.
75ZS00021 I G punctata L.
91ZS01740 U thyrsoflora L.
92ZS00304 E thyrsoflora L. [Finland]
80ZS00012 I E vulgaris L. [France]

Primula

- 92BL00885 G allionii Loisel. 'Wisley'
92BL00826 K allionii Loisel. 'Wisley Blue'
79BL00250 G anisodora Balf.f. & Forrest
79BL00045 E auricula Lam.
89BL00049 G auricula Lam. cv.
90BL01091 U auricula Lam. cv.
86BL00529 E baldshuanica B.Fedtsch. [Uzbekistan]
79BL00086 G beesiana Forrest
79BL00252 G beesiana Forrest
82BL00245 I G beesiana Forrest
70BL00125 I G bulleyana Forrest
92BL00887 G R carniolica Jacq.
86BL00493 U chionantha Balf.f. & Forrest
67BL00057 G chungensis Balf.f. & Ward
71BL00237 I G clusiana Tausch
87BL00467 E cockburniana Hemsl. [LANC 913 Sichuan]

Primulaceae

83BL00411	G	concholoba Stapf & Sealy
90BL00181	G I	darialica
71BL00242	G	denticulata J.E.Sm.
92BL00792	G	'Duke of Edinburgh'
87BL00370	I E	elatior (L.) Hill [France]
88BL00269	S	elatior (L.) Hill [W.Germany]
89BL00067	E	elatior (L.) Hill [Italy]
89BL00123	K	ellisiae Poll. & Cockerell
64BL00212	I G	farinosa L.
78BL00245	S	farinosa L. [Czechoslovakia]
64BL00221	I G	florindae F.K. Ward
84BL00549	G	florindae F.K. Ward 'Red Form'
82BL00017	I G R	frondosa Janka
83BL00160	E	glaucescens Moretti subsp. longobarda (Porta) Widmer [Italy]
91BL00604	E	glutinosa Wulf. [Italy]
84BL00547	G	grandis Trautv.
84BL00554	G	grandis Trautv.
92BL00783	K	'Green Pastures'
91BL00605	E	halleri J.F.Gmel. [Italy]
83BL00413	G	helodoxa Balf.f.
82BL00178	E	hirsuta All. [Switzerland]
83BL00457	E	hirsuta All. [N 8202 Switzerland]
83BL00183	S	ianthina Balf.f. & Cave [Nepal]
83BL00252	E	integrifolia L. [Switzerland]
90BL00055	I G	ioessa W.W. Sm.
82BL00158	I G	japonica A.Gray
90BL00534	I G	japonica A.Gray
86BL00410	I K R	kisoana Miq.
83BL00161	E	latifolia Lapeyr. [Switzerland]
90BL00372	E	latifolia Lapeyr. [Italy]
90BL00569	E	latifolia Lapeyr. [Switzerland]
90BL00182	G	loeseneri
92BL00872	G	x loiseleuri Suenderm. 'Lismore Yellow'
90BL00906	K	macrophylla
87BL00573	K	marginata Curt.
90BL00374	E	marginata Curt. [Italy]
91BL01799	G	marginata Curt.
92BL00897	G	marginata Curt.
86BL00066	E	minima L. [Austria]
82BL00072	G	muscaroides Hemsl.
88BL00201	E	nutans Georgi var. jokelae Maek. & Maek. [Finland]
83BL00399	G V	palinuri Petagna
92BL00756	G V	palinuri Petagna
88BL00245	E	pamirica Fed.
83BL00366	E	pedemontana Thomas ex Gaud. [Italy]
83BL00398	I G	pedemontana Thomas ex Gaud.

Primulaceae

- 86BL00487 G poissonii Franch.
 86BL00570 G polonensis F.K.Ward
 65BL00450 I G polyneura Franch.
 83BL00181 G pulverulenta Duthie
 67BL00217 I G rosea Royle
 90BL00907 K rusbyi
 79BL00231 E scandinavica Bruun [Norway]
 83BL00412 G scotica W.J.Hook.
 84BL00067 G sieboldii E.Morr.
 82BL00261 I S sikkimensis W.J. Hook. var. pudibunda W.W. Sm. [Sikkim]
 84BL00367 E sikkimensis W.J.Hook. var. sikkimensis [AGS-S 543 Sikkim]
 90BL00815 I E sikkimensis W.J.Hook. var. sikkimensis [SICH 366 Sichuan]
 84BL00107 E spec. [AGS-S 486 Sikkim]
 90BL00761 E spec. [SICH 130 Sichuan]
 92BL00040 E spec. [WOLB 91-006 Sikkim]
 92BL00078 E spec. [WOLB 91-050 W.Bengal]
 72BL00178 I G R spectabilis Tratt.
 85BL00137 E R spectabilis Tratt. [Italy]
 90BL01088 K x thomasiana Suenderm.
 90BL00141 E veris L. subsp. columnae [France]
 90BL00375 E veris L. subsp. columnae [Italy]
 89ZS00170 S veris L. subsp. veris [W.Germany]
 90BL00830 I G waltonii G. Watt ex Balf.f. hybr.
 84BL00257 E warshenewskiana B.Fedtsch. [Tadzhikistan]

Samolus

- 90ZE00886 I E valerandi L. [Sweden]

Soldanella

- 81BL00039 E alpina L. [Austria]
 83BL00002 E carpatica Vierh. [Czechoslovakia]
 87BL00193 E minima Hoppe [Italy]
 86BL00065 E montana Willd. [W.Germany]
 86BL00091 G R pindicola Hausskn.
 82BL00078 E pusilla Baumg. [Austria]
 90BL01099 U spec.

Trientalis

- 76BL00050 G borealis Raf.
 88BL00430 E borealis Raf. [Ontario]
 86BL00206 E borealis Raf. subsp. latifolia (W.J. Hook.) Hult. [Alberta]
 00ZG03416 G europaea L.

Vitaliana

- 82BL00141 E primuliflora Bertol. [France]
 85BL00243 G primuliflora Bertol. subsp. assoana Lainz
 90BL01049 U primuliflora Bertol. subsp. praetutiana (Buser ex

Primulaceae

Suenderm.) I.K. Fergus

Proteaceae

75GR00254 G **Grevillea**
robusta A.Cunn. ex R.Br.

90GR00449 G **Hakea**
suaveolens R. Br.

73GR00469 G **Macadamia**
tetraphylla L.Johnst.

73GR00511 I G **Stenocarpus**
salignus R. Br.
90GR00439 G sinuatus (A. Cunn.) Endl.

Punicaceae

77GR00019 I G **Punica**
granatum L.
77GR00022 I G granatum L.
75GR00288 I G granatum L. 'Nana'

Ranunculaceae

66BR00265 G **Aconitum**
x cammarum L. emend. Fries var. bicolor (Schultens)
Bergmans
66BR00267 G x cammarum L. emend. Fries 'Spark'
86BL00262 E exelsum Rchb. [Shanxi]
82BL00209 E lamarckii Rchb. [Italy]
85BL00221 U napellus L.
91ZS00651 E napellus L. [W.Germany]
81BL00206 I E orientale Mill. [European Russia]
88BL00292 septentrionale Koelle
82BL00184 E variegatum L. [Austria]
92ZS00120 G volubile Pall. ex Koelle
67BR00062 I G vulparia Rchb.
79BL00015 E vulparia Rchb. [France]
91ZS01761 U vulparia Rchb.

87BL00287 E **Actaea**
asiatica Hara [Japan]
65BL00455 I E pachypoda Elliott [PAF Canada]
83BL00054 E pachypoda Elliott f. rubrocarpa (Killip) Fern. [Quebec]
67BR00013 I G rubra (Ait.) Willd.

Ranunculaceae

- 73ZS00063 I G rubra (Ait.) Willd.
 66BL00168 I G spicata L.
- Adonis**
 75ZE00311 I G aestivalis L.
 65BL00528 I G vernalis L.
 75ZS00080 I G vernalis L.
- Anemone**
 86BL00140 G altaica Fisch. ex C.A. Mey.
 86BL00250 G altaica Fisch. ex C.A. Mey.
 87BL00103 G altaica Fisch. ex C.A. Mey.
 87BL00308 G altaica Fisch. ex C.A. Mey.
 88BL00045 G baicalensis Turcz.
 90BL00090 G baicalensis Turcz.
 87BL00389 E baldensis L. [France]
 92BL00192 K blanda Schott & Kotschy 'Blue Shade'
 92BL00194 K blanda Schott & Kotschy 'Charmer'
 67BR00087 I G blanda Schott & Kotschy var. scythinica Jenk.
 92BL00198 K blanda Schott & Kotschy 'Violet Star'
 92BL00193 K blanda Schott & Kotschy 'White Splendour'
 87BL00376 G canadensis L.
 89ZS00026 K coronaria L.
 91BL00516 G crinita Juz.
 85BL00092 E cylindrica A. Gray [Ontario]
 88BL00270 S hupehensis (Lemoine) Lemoine [Sichuan]
 66BR00021 G hupehensis (Lemoine) Lemoine var. hupehensis
 91ZS01753 U hupehensis (Lemoine) Lemoine var. japonica (Thunb.)
 Bowles & Stearn
 70ZS00017 G x hybrida Paxt.
 88BL00371 G leveillei Ulbr.
 87BL00493 G magellanica 'Major'
 87BL00325 G multifida Poir.
 83BL00093 G multifida Poir. var. multifida
 81BL00092 E narcissiflora L. [Switzerland]
 82BL00082 E narcissiflora L. [Austria]
 82BL00123 E narcissiflora L. [Switzerland]
 82BL00164 E narcissiflora L. [Switzerland]
 85BL00055 E narcissiflora L. [Switzerland]
 82BL00008 E parviflora Michx. [Alaska]
 92BL00082 E parviflora Michx. [Canada]
 66BL00171 I G ranunculoides L.
 86BL00316 G rupicola Cambess.
 87BL00272 G rupicola Cambess.
 91BL01110 S rupicola Cambess. [Nepal]
 84BL00540 G speciosa Rupr.
 87BL00432 E tomentosa (Maxim.) P'ei [Sichuan]

Ranunculaceae

- 65BL00090 I S trifolia L. subsp. albida (Mariz) Tutin [Spain]
 78BL00248 E trifolia L. subsp. trifolia [Italy]
 82BL00004 E tschernjaewii (Tschernaewi) Regel [Tadzhikistan]
 87BL00241 E virginiana L. [Massachusetts]
 66BL00084 G vitifolia Buch.-Ham. ex DC.
 67BL00080 G vitifolia Buch.-Ham. ex DC.

Anemonella

- 92BL00372 S thalictroides (L.) Spach

Anemonopsis

- 90BL01196 K macrophylla Sieb. & Zucc.

Aquilegia

- 81BL00141 S V alpina L. [Switzerland]
 66BL00121 G alpina L. 'Hensol Harebell'
 90BL00056 S atrata W.D.J.Koch [Switzerland]
 90BL00173 E atrata W.D.J.Koch [France]
 86BL00076 G V bertolonii Schott
 86BL00304 G V bertolonii Schott
 91BL00342 G caerulea James
 87BL00120 G flabellata Sieb. & Zucc. 'Nana'
 82BL00311 G flabellata Sieb. & Zucc. var. pumila (Huth) Kudo
 64BL00404 G formosa Fisch. var. truncata Bak.
 91BL01866 E fragrans Benth. [Himalaya]
 72BL00203 E nevadensis Boiss. & Reut.
 91BL00857 S olympica Boiss.
 83BL00270 E saximontana Rydb. [United States (excl. Alaska)]
 83BL00271 G scopulorum Tidestrom
 77BL00331 E spec. [JVL 29 Spain]
 74ZS00037 G vulgaris L. [PAF]
 87BL00168 S vulgaris L.
 87BL00595 E vulgaris L. [France]
 91ZS01907 U vulgaris L.

Callianthemum

- 78BL00048 G coriandrifolium Rchb.
 84BL00272 E coriandrifolium Rchb. [Italy]

Caltha

- 85BL00076 E biflora DC. [Washington]
 78BL00325 E leptosepala DC. subsp. leptosepala
 75BL00107 G palustris L. 'Multiplex'
 69BL00509 G palustris L. subsp. palustris
 85BL00219 U palustris L. subsp. palustris
 91ZS01896 U palustris L. subsp. palustris

Ranunculaceae

- 74ZB00009 G
74ZB00008 I G
- Cimicifuga**
acerina (Sieb. & Zucc.) Tanaka
simplex (Wormsk. ex DC.) Ledeb.
- Clematis**
78RD00069 E R addisonii Britt. [Virginia]
78RD00554 E alpina (L.) Mill. var. sibirica (L.) O.Kuntze [Kirgiziya]
66RD00048 E campaniflora Brot. [Portugal]
77RD00154 E cirrhosa L. var. cirrhosa [Turkey (Asia Minor)]
86GR01302 I E flammula L. [MAAS 0002 Yugoslavia]
78RD00639 E fusca Turcz. var. fusca [E.Siberia]
61RD00036 I G fusca Turcz. var. violacea Maxim.
60RD00599 I G heracleifolia DC. var. heracleifolia
61RD01008 G heracleifolia DC. var. heracleifolia
88ZS00052 G heracleifolia DC. var. heracleifolia
62RD00291 I G integrifolia L.
67RD00116 I G integrifolia L.
84RD00319 G x jackmanii T.Moore
77RD00155 G koreana Kom.
91RD00958 K macropetala Ledeb. 'Markham's Pink'
78RD00617 E orientalis L. [Kirgiziya]
66BL00191 I E recta L. [KUK Alps]
61RD00973 I G rehderiana Craib
86BL00437 E stans Sieb. & Zucc. [WERG. Japan]
77RD00027 G tangutica (Maxim.) Korsh. var. tangutica
92RD00715 K tangutica (Maxim.) Korsh. var. tangutica
77RD00120 E virginiana L. [North Carolina]
78RD00517 E virginiana L. [Louisiana]
61RD00191 I G vitalba L.
78RD00084 S vitalba L. [Switzerland]
78RD00342 G viticella L.
92RD00716 K viticella L.
- Clematopsis**
68GR01079 G stanleyi (W.J.Hook.) Hutchins.
- Consolida**
80ZE02146 I E regalis S.F. Gray subsp. regalis [Hungary]
91ZE01552 G regalis S.F. Gray subsp. regalis
- Coptis**
83BL00115 E laciniata A. Gray [Washington]
- Delphinium**
82BL00235 G brunonianum Royle
83BL00036 G brunonianum Royle
91BL00343 G cashmerianum Royle

Ranunculaceae

- 79ZS00027 G cv.
 75ZS00086 I G elatum L.
 77BL00086 I G elatum L.
 83BL00232 E oxysepalum Borbas & Pax [Czechoslovakia]
 89BL00131 G oxysepalum Borbas & Pax
 82BL00020 G tatsienense Franch.
 91BL00467 G tatsienense Franch.
- Eranthis**
 69BL00490 I G cilicica Schott & Kotschy
 69BL00478 I G hyemalis (L.) Salisb.
 90BL00065 E hyemalis (L.) Salisb. [Hungary]
 84BL00377 G hyemalis (L.) Salisb. var. aurantiaca
- Helleborus**
 83BL00096 I G N abchasicus A.Br.
 82BL00210 E bocconeii Ten. subsp. bocconeii [Italy]
 92BL00740 E cyclophyllus (A. Braun) B. Mathew [CYT]
 87BL00386 G dumetorum Waldst. & Kit. subsp. atrorubens (Waldst. & Kit.) Merxm. & Podl.
 66BL00205 I S foetidus L. [Switzerland]
 90BL00874 K foetidus L. 'Wester Flisk'
 85BL00043 G V lividus Ait. subsp. corsicus (Willd.) Tutin
 87BL00441 S V lividus Ait. subsp. corsicus (Willd.) Tutin
 92BL00738 S multifidus Vis. subsp. hercegovinus (Martinis) B. Mathew [Yugoslavia]
 87BL00127 G niger L.
 90ZS00382 K niger L.
 86BL00359 E niger subsp. macranthus (Freyn) Schiffn. [Italy]
 66BL00344 I G niger L. subsp. niger
 78BL00206 G N orientalis Lam.
 84BL00189 G N orientalis Lam.
 87BL00282 S N orientalis Lam.
 67BL00061 G orientalis Lam. subsp. abchasicus (A. Braun) B. Mathew 'Early Purple'
 92BL00736 E orientalis Lam. subsp. guttatus (A. Br. & Sauer) B. Mathew [Turkey (Asia Minor)]
 92BL00742 G V purpurascens Waldst. & Kit.
 90BL01166 K x sternii
 92BL00739 S torquatus Archer-Hind. [Yugoslavia]
- Hepatica**
 82BL00239 E acutiloba DC. [Quebec]
 83BL00055 E acutiloba DC. [Quebec]
 88BL00410 G maxima
 83BL00328 E nobilis Mill. [Finland]
 83BL00435 E nobilis Mill. [N 8332 Switzerland]

Ranunculaceae

- 71BL00175 G nobilis Mill. 'Rosea'
- 65BL00533 I G transsylvanica Fuss
- Hydrastis**
- 88BL00364 G canadensis L.
- Leptopyrum**
- 55ZE00901 I G fumarioides Rchb.
- Myosurus**
- 53ZE00658 I G minimus L.
- Nigella**
- 80ZE02147 I E damascena L. [Italy]
- 91ZE01663 G damascena L.
- 58ZE00318 I G hispanica L.
- Pulsatilla**
- 85BL00107 G alba Rchb.
- 79BL00099 E alpina (L.) Delarb. subsp. alpina [Switzerland]
- 84BL00201 E alpina (L.) Delarb. subsp. apiifolia (Scop.) Nym. [Italy]
- 84BL00207 E alpina (L.) Delarb. subsp. apiifolia (Scop.) Nym. [Switzerland]
- 86BL00317 G ambigua
- 85BL00144 E chinensis (Bunge) Regel [Primorsk Terr.]
- 79BL00060 S halleri (All.) Willd. subsp. slavica (G.Reuss) Zamels [Czechoslovakia]
- 87BL00426 E halleri (All.) Willd. subsp. slavica (G.Reuss) Zamels [Czechoslovakia]
- 87BL00427 E halleri (All.) Willd. subsp. slavica (G.Reuss) Zamels [Czechoslovakia]
- 87BL00699 G halleri (All.) Willd. subsp. slavica (G.Reuss) Zamels
- 90BL00627 E R halleri (All.) Willd. subsp. styriaca G.A.Pritz.) Zam. [Austria]
- 86BL00269 E montana (Hoppe) Rchb. [Switzerland]
- 86BL00347 E montana (Hoppe) Rchb. [Italy]
- 87BL00400 G montana (Hoppe) Rchb.
- 89BL00050 G patens
- 90BL00296 S patens [Czechoslovakia]
- 71BL00090 E pratensis (L.) Mill. subsp. pratensis [W.Germany]
- 90BL00066 G rubra (Lam.) Delarb.
- 87BL00696 E turczanovii
- 90BL00986 U turczanovii
- 87BL00296 E vernalis (L.) Mill. [Norway]
- 65BL00405 I G vulgaris Mill. subsp. grandis (Wender.) Zamels
- 86BL00312 E vulgaris Mill. subsp. grandis (Wender.) Zamels [Hungary]
- 64BL00112 I G vulgaris Mill. subsp. vulgaris

Ranunculaceae

91ZS01898 U vulgaris Mill. subsp. vulgaris

Ranunculus

58ZE02448 I S abortivus L. [N.America]
 66BR00287 I G aconitifolius L.
 79ZS00039 I G acris L.
 92ZS00251 E acris L. [Norway]
 75BL00112 G acris L. 'Multiplex'
 87BL00052 E auricomus L. [W.Germany]
 78BL00370 G caucasicus M.B. subsp. caucasicus
 78BL00438 G caucasicus M.B. subsp. caucasicus
 79BL00388 E caucasicus M.B. subsp. caucasicus [European Russia]
 64BL00347 I G gramineus L.
 66BL00137 I G lanuginosus L.
 73BL00100 I G monspeliacus L.
 92BL00819 G parnassifolius L.
 79ZS00038 I G repens L.
 79ZE00333 I G scleratus L.

Semiaquilegia

64BL00227 I G ecalcarata (Maxim.) Sprague & Hutchins.
 88BL00050 G ecalcarata (Maxim.) Sprague & Hutchins.

Thalictrum

87BL00134 E alpinum L. [Norway]
 65BL00214 G aquilegifolium L.
 66BR00112 I E aquilegifolium L. [Sweden]
 91ZS01737 U aquilegifolium L.
 67BR00119 G aquilegifolium L. 'Thundercloud'
 84BL00121 G coreanum Lev.
 66BR00114 G diptero carpum Franch.
 85BL00178 G fendleri Engelm. ex A.Gray
 91ZS01738 U flavum L. subsp. flavum
 66BR00107 I E flavum L. subsp. glaucum (Desf.) Batt. [Portugal]
 80ZS00102 I G flavum L. subsp. glaucum (Desf.) Batt.
 66BL00157 I G foetidum L.
 90BL01157 kiusianum Nakai
 66BL00174 I S lucidum L. [W.Germany]
 65BL00227 I G V minus L.
 75ZS00088 I G minus L. var. minus
 86BL00306 G orientale Boiss.
 65BL00443 G polygamum Muhlenb.
 75ZS00087 I G simplex L. subsp. bauhini (Crantz) Tutin
 75ZS00084 I G simplex L. subsp. simplex
 91BL01350 G spec.
 84BL00389 G tuberosum L.

Ranunculaceae

- Trollius**
 72BL00060 E altaicus C.A.Mey.
 76BL00024 I G asiaticus L.
 64BL00065 I S chinensis Bunge [China]
 66BR00292 G 'Empire Day'
 65BL00203 I G europaeus L. subsp. europaeus
 79BL00236 E europaeus L. subsp. europaeus [France]
 85BL00217 U europaeus L. subsp. europaeus
 78BL00128 G laxus Salisb.
 76BL00018 I G ranunculinus (J.E.Sm.) Stearn
 76BL00025 I G yunnanensis (Franch.) Ulbr.

- Xanthorhiza**
 71RD00007 I G simplicissima H.Marsh.
 79RD00215 E simplicissima H.Marsh. [Tennessee]

Resedaceae

- Reseda**
 86ZE02104 I U alba L.
 61ZE00866 I G R crystallina Webb & Berth.
 86ZE02541 I E lutea L. [Hungary]
 79ZE00369 I G luteola L.
 91ZE01615 G luteola L.
 69ZE02116 I E media Lag. var. pennatisecta P.Cout. [EAM Portugal]

Rhamnaceae

- Berchemia**
 78RD00070 E scandens (Hill) K.Koch [Virginia]
- Ceanothus**
 72RD00236 G 'Indigo'
 90RD00165 G thyrsoflorus var. repens
- Hovenia**
 61RD01042 G dulcis Thunb.
 82RD00229 E dulcis Thunb. [S.Korea]
- Paliurus**
 76GR00086 I G spina-christi Mill.
- Rhamnus**
 61RD01034 G alpinus L. subsp. alpinus
 61RD01223 E alpinus L. subsp. alpinus [France]
 62RD00079 G catharticus L.
 62RD00943 G catharticus L.

Rhamnaceae

78RD00096	S	catharticus L. [<u>Switzerland</u>]
78RD00170	S	catharticus L. [<u>Finland</u>]
78RD00644	S	catharticus L. [<u>W.Germany</u>]
61RD00767	G	costatus Maxim.
61RD00651	G	crenatus Sieb. & Zucc.
62RD00457	G	erythroxyton Pall.
62RD00389	I G	frangula L.
66RD00072	G	frangula L.
92RD00342	E	frangula L. [<u>W.Germany</u>]
92RD00410	E	frangula L. [<u>E.Germany</u>]
92RD00728	K	frangula L.
65RD00143	G	hemsleyanus Schneid.
62RD00473	I G	imeretinus Booth ex Kirchner
76RD00002	G	japonicus Maxim.
76RD00048	G	japonicus Maxim.
65RD00149	G	koraiensis Schneid.
62RD00470	G	leptophyllus Schneid.
61RD00225	G	libanoticus Boiss.
65RD00145	G	oleoides Boiss.
61RD01231	G	pallasii Fisch. & Mey.
78RD00354	E	pumilus Turra [<u>France</u>]
61RD00533	G	saxatilis Jacq. subsp. saxatilis
62RD00175	G	saxatilis Jacq. subsp. tinctorius (Waldst. & Kit.) Nym.
61RD00859	G	spec.
83RD00223	E	taquetii (Levl. & Van.) Levl. [<u>Cheju Do (Quelpaert Isl.)</u>]

Rosaceae

Acaena

78BL00299	E	anserinifolia (J.R. & G. Forst.) Druce [<u>New South Wales</u>]
87BL00280	G	buchananii J.D. Hook.
91BL00345	G	fissistipula Bitter
92BL00081	E	inermis J.D. Hook. [<u>New Zealand</u>]
91BL01106	S	inermis J.D. Hook. var. robusta Allan [<u>New Zealand, South Isl.</u>]
65BL00324	I G	magellanica (Lam.) Vahl
91BL01107	S	microphylla J.D. Hook. [<u>New Zealand</u>]
66BL00376	I G	myriophylla Lindl.
76BL00113	I E	pinnatifida Ruiz & Pav. [<u>Argentina</u>]
73BL00002	I E	viridior (Cock.) Allan [<u>New Zealand, South Isl.</u>]

Agrimonia

91ZS00359	E	eupatoria L. [<u>E.Germany</u>]
91ZS01762	U	eupatoria L.
73ZS00025	V G	pilosa Ledeb.
91ZS00360	E	procera Wallr. [<u>E.Germany</u>]
91ZS00361	E	procera Wallr. [<u>E.Germany</u>]

Rosaceae

64BL00010	G	Alchemilla	
87BL00498	S	alpina L.	
87BL00499	E	bulgarica Rothm. [<u>Yugoslavia</u>]	
90BL01198	K	crinita Buser [<u>Yugoslavia</u>]	
88BL00070	S	ellenbergiana Rothm.	
87BL00500	S	faeroensis (Lange) Buser [<u>Iceland</u>]	
70ZS00016	E	gorcensis Pawl. [<u>Yugoslavia</u>]	
91ZS01894	G	mollis (Buser) Rothm.	
87BL00502	U	mollis (Buser) Rothm.	
88BL00286	E	peristerica Pawl. [<u>Yugoslavia</u>]	
77BL00131	E	saxatilis Buser [<u>France</u>]	
87BL00504	E	sokolowskii Pawl. [<u>Czechoslovakia</u>]	
73ZS00043	E	viridiflora Rothm. [<u>Bulgaria</u>]	
	G	xanthochlora Rothm.	

Amelanchier

61RD01409	E	alnifolia (Nutt.) Nutt. [<u>Canada</u>]	
61RD01246	G	asiatica (Sieb. & Zucc.) Endl. ex Walp.	
62RD00263	E	florida Lindl. [<u>N.America</u>]	
63RD00030	G	humilis Wieg.	
63RD00329	E	humilis Wieg.	
90RD00284	K	laevis Wieg.	
61RD00129	G	lamarckii F.G. Schroeder	
60RD00023	G	ovalis Medik. var. ovalis	
60RD00491	G	sanguinea (Pursh) DC. var. grandiflora (Wieg.) Rehd.	
00ZG02278	I G	x spicata (Lam.) K. Koch	
62RD00492	G	stolonifera Wieg.	

Aronia

62RD00790	I G	arbutifolia (L.) Pers.	
60RD00209	I G	melanocarpa (A.Michx.) Elliott	
79RD00454	G	melanocarpa (A.Michx.) Elliott	
61RD00433	G	prunifolia (Marsh.) Rehd.	
80RD00163	E	prunifolia (Marsh.) Rehd. [<u>Illinois</u>]	

Aruncus

90BL00991	U	aethusifolius	
66BL00069	I G R	dioicus (T.Walt.) Fern.	

Cercocarpus

78RD01091	E	montanus Raf. [<u>PAF N.America</u>]	
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Chaenomeles

81RD00209	G	japonica (Thunb.) Lindl. ex Spach var. alpina Maxim.	
78RD00742	G	japonica (Thunb.) Lindl. ex Spach 'Sargentii'	
69RD00146	G	speciosa (Sweet) Nakai 'Rubra Grandifolia'	
69RD00143	G	speciosa (Sweet) Nakai 'Simonii'	

Rosaceae

76RD00170	G	x superba (Frahm) Rehd. 'Cameo'
69RD00142	G	x superba (Frahm) Rehd. 'Crimson and Gold'
69RD00144	G	x superba (Frahm) Rehd. 'Nicoline'
Cotoneaster		
74RD00077	G	(Dammeri-hybr.) 'Coral Beauty'
00ZG01698	G	(Dammeri-hybr.) 'Royal Beauty'
00ZG01755	G	(Dammeri-hybr.) 'Royal Beauty'
79RD00338	G	(Dammeri-hybr.) 'Royal Carpet'
69RD00130	G	(Dammeri-hybr.) 'Skogholm'
69RD00194	G	(Dammeri-hybr.) 'Skogholm'
00ZG00244	G	adpressus Bois
62RD00290	G	adpressus Bois
79RD00323	G	alaunicus Golitsin
66RD00007	G	ambiguus Rehd. & Wils.
62RD00438	G	amoenus Wils.
65RD00248	G	apiculatus Rehd. & Wils.
62RD00911	G	congestus Bak.
62RD00854	G	conspicuus Marq.
62RD00557	G	dammeri Schneid.
62RD00657	G	dammeri Schneid.
63RD00171	G	dammeri Schneid.
66RD00117	I G	dammeri Schneid.
69RD00129	G	dammeri Schneid.
74RD00500	I G	dammeri Schneid. 'Major'
90RD00088	G	dielsianus E. Pritz.
63RD00043	E	harrysmithii Flinck & Hylmo [China]
62RD00592	G	henryanus (Schneid.) Rehd. & Wils.
64RD00164	G	horizontalis Decne. var. horizontalis
66RD00014	G	horizontalis Decne. var. perpusillus Schneid.
62RD00691	G	hupehensis Rehd. & Wils.
61RD00932	E	integerrimus Medik.
62RD00047	G	microphyllus Wall. ex Lindl. var. microphyllus
62RD00662	G	microphyllus Wall. ex Lindl. var. microphyllus
75RD00002	G	microphyllus Wall. ex Lindl. 'Streibs Findling'
92RD00767	G	microphyllus Wall. ex Lindl. var. thymifolius (Lindl.) Koehne
61RD00699	E	nebrodensis (Guss.) K.Koch [Czechoslovakia]
62RD00652	G	nebrodensis (Guss.) K.Koch
62RD00555	G	niger (Thunb.) Fries var. niger
65RD00184	G	praecox (Bois & Berthault) Vilmorin-Andrieux
00ZG01696	G	praecox (Bois & Berthault) Vilmorin-Andrieux 'Boer'
00ZG01744	G	praecox (Bois & Berthault) Vilmorin-Andrieux 'Boer'
66RD00028	G	racemiflorus (Desf.) K.Koch var. royleanus Dipp.
00ZG00754	G	salicifolius Franch. 'Avondrood'
00ZG00295	G	salicifolius Franch. var. floccosus Rehd. & Wils.
00ZG01697	G	salicifolius Franch. 'Saldam'

Rosaceae

- 79RD00339 G salicifolius Franch. 'Scarlet Leader'
- 60RD00120 G I simonsii Bak.
- 80RD00145 G spec. [China]
- 80RD00146 E spec. [China]
- 79RD00380 G splendens Flinck & Hylmo
- 79RD00314 G 'Teulon Porter'
- + Crataegomespilus**
- 79RD00486 G dardarii Simon-Louis 'Dardarii'
- Crataegus**
- 65RD00182 G allecta Sarg.
- 77RD00050 E altaica (Loud.) Lange [Kirgiziya]
- 64RD00079 G calpodendron (Ehrh.) Medik.
- 65RD00180 G cerola Sarg.
- 63RD00105 G chlorosarca Maxim.
- 63RD00127 G cyanophylla Sarg.
- 62RD00831 G douglasii Lindl.
- 61RD00590 G intricata Lange
- 74RD00416 I G x lavallei Herinq ex Lavallee
- 63RD00158 G macrosperma Ashe var. acutiloba (Sarg.) Eggle
- 00ZG01798 G monogyna Jacq. 'Pink Corkseri'
- 00ZG00044 G monogyna Jacq. 'Stricta'
- 62RD00827 G pedicellata Sarg.
- 62RD00538 G phaenopyrum (L.f.) Medik.
- 00ZG00002 G pinnatifida Bunge var. major N.E. Br.
- 77RD00185 E pontica K.Koch [Kazakhstan]
- 63RD00153 G pratensis Sarg.
- 62RD00540 G pruinosa (H.L.Wendl.) K.Koch
- 72RD00023 G x prunifolia (Lam.) Pers.
- 79RD00359 G x prunifolia (Lam.) Pers. 'Splenders'
- 63RD00243 G sanguinea Pall.
- 62RD00836 G submollis Sarg.
- 60RD00291 G viridis L.
- 65RD00181 G viridis L.
- 62RD00845 G wattiana Hemsl. & Lace
- Cydonia**
- 80RD00366 G oblonga Mill.
- 79RD00487 G oblonga Mill. 'Leskovacz'
- Dryas**
- 85BL00078 E drummondii Richards. ex W.J. Hook. [Br. Columbia incl. Charlotte Isl.]
- 91BL01791 E drummondii Richards. ex W.J. Hook. [Canada]
- 66BL00076 I G octopetala L. var. octopetala
- 90BL00048 E octopetala L. var. octopetala [Switzerland]

Rosaceae

70BL00155 G x *suendermannii* Suenderm.

Eriobotrya

75GR00148 G *japonica* (Thunb.) Lindl.

Exochorda

62RD00479 I G *giraldii* Hesse var. *giraldii*
 62RD00716 G *giraldii* Hesse var. *wilsonii* (Rehd.) Rehd.
 62RD00481 I G x *macrantha* (Lemoine) Schneid.
 79RD00491 G x *macrantha* (Lemoine) Schneid. 'The Bride'
 91RD00281 K x *macrantha* (Lemoine) Schneid. 'The Bride'
 60RD00289 I G *racemosa* (Lindl.) Rehd.
 74RD00019 G *racemosa* (Lindl.) Rehd.
 78RD00695 G *racemosa* (Lindl.) Rehd.
 78RD00696 G *tianschanica* Gontsch.

Filipendula

78ZS00010 I E *kamtschatica* (Pall.) Maxim. [Sakhalin]
 92ZS00490 K *palmata* (Pall.) Maxim.
 92ZS00491 K *purpurea* Maxim.
 75ZS00009 I G *rubra* (J.Hill) Robins.
 66BL00098 I G *vulgaris* Moench

Fragaria

91GR01641 G *chiloensis* (L.) Duch.
 73ZS00024 I G *moschata* Duch.
 90BL00007 G *moschata* Duch.
 91BL00504 E *virginiana* Duch. [Quebec]
 66BL00161 I E *viridis* Duch. subsp. *viridis* [FROMME Switzerland]

Geum

78BL00039 I G *bulgaricum* Panc.
 76BL00116 I E *coccineum* Sibth. & J.E.Sm. [Bulgaria]
 71BL00103 I G R *heterocarpum* Boiss.
 79BL00228 I G *japonicum* Thunb.
 77BL00006 I E *macrophyllum* Willd. [Wyoming]
 91BL00229 E *montanum* L. [Switzerland]
 91BL00278 E *montanum* L. [Switzerland]
 65BL00262 I G *rivale* L.
 72ZS00060 I G *rivale* L.
 85BL00218 U *rivale* L.
 91ZS01742 U *rivale* L.
 71BL00207 I G *triflorum* Pursh
 75ZS00112 I G *urbanum* L.

Gillenia

75ZS00113 I G *trifoliata* (L.) Moench

Rosaceae

Holodiscus

- 71RD00025 I G discolor (Pursh) Maxim. var. discolor
 63RD00007 G dumosus (Nutt. ex W.J.Hook.) A.Heller
 76RD00206 G dumosus (Nutt. ex W.J.Hook.) A.Heller

Kerria

- 79RD00520 G japonica (L.) DC.
 80RD00270 E japonica (L.) DC. [Jiangsu (incl. Shanghai)]
 79RD00521 G japonica (L.) DC. 'Picta'
 91RD00290 K japonica (L.) DC. 'Picta'
 61RD00070 I G japonica (L.) DC. 'Pleniflora'
 79RD00522 G japonica (L.) DC. 'Pleniflora'

Luetkea

- 92BL00218 E pectinata (Pursh) O. Kuntze [Washington]

Malus

- 65RD00236 G brevipes (Rehd.) Rehd.
 78RD00904 G coronaria (L.) Mill.
 78RD01092 G coronaria (L.) Mill. 'Nieuwlandiana'
 86RD00276 U cv.
 61RD01595 G R florentina (Zuccagni) Schneid.
 60RD00293 G floribunda Sieb. ex Van Houtte
 79RD00389 G floribunda Sieb. ex Van Houtte
 63RD00163 E fusca (Raf.) Schneid.
 64RD00015 G fusca (Raf.) Schneid.
 79RD00388 G 'Hopa'
 60RD00508 G ioensis (Wood) Britt.
 64RD00016 G ioensis (Wood) Britt.
 77RD00554 E orientalis Uglitzk. ex Juzepczuk [Armenia]
 79RD00386 G 'Prof. Sprenger'
 87RD00298 K 'Prof. Sprenger'
 62RD00018 G prunifolia (Willd.) Borkh. var. prunifolia
 64RD00040 G prunifolia (Willd.) Borkh. var. rinkii (Koidz.) Rehd.
 87RD00299 K 'Red Sentinel'
 88RD00272 K 'Red Sentinel'
 64RD00018 G rockii Rehd.
 63RD00335 G sargentii Rehd.
 79RD00387 G sargentii Rehd.
 62RD00313 G R sikkimensis (Wenzig) Koehne
 64RD00020 G R sikkimensis (Wenzig) Koehne
 77RD00549 G spec.
 64RD00067 G V sylvestris Mill.
 78RD00887 G transitoria (Batal.) Schneid.
 74RD00355 G tschonokii (Maxim.) Schneid.

Rosaceae

- Mespilus**
 78RD00127 G germanica L.
 90RD00235 K germanica L.
- Neillia**
 75RD00022 I G affinis Hemsl.
 78RD00265 I G thyrsoflora D. Don
- Oemleria**
 78RD00447 G cerasiformis (Torr. & A.Gray ex W.J.Hook. & Arn.) Landon
- Petrophyton**
 82BL00070 E caespitosum (Nutt. ex Torr. & A.Gray) Rydb. [Nevada]
 90BL01025 U caespitosum (Nutt. ex Torr. & A.Gray) Rydb.
 90BL00905 K cinerascens
- Photinia**
 86RD00277 U beauverdiana Schneid. var. notabilis (Schneid.) Rehd. & Wils.
 91RD00926 K x fraseri Dress
 86RD00309 K glabra (Thunb.) Maxim. 'Red Robin'
 63RD00130 G villosa (Thunb.) DC. var. laevis (Thunb.) Dipp.
 00ZG02302 I G villosa (Thunb.) DC. var. villosa
 60RD00731 G villosa (Thunb.) DC. var. villosa
- Physocarpus**
 76RD00183 G capitatus (Pursh) O.Kuntze
 76RD00208 G intermedius (Rydb.) Schneid.
 61RD00849 I E opulifolius (L.) Maxim. [Quebec]
- Potentilla**
 88BL00342 S alba L. [Italy]
 89BL00075 G alba L.
 69BL00221 G alchemilloides Lapeyr.
 92BL00380 S andicola Benth.
 78ZS00016 I G anserina L. subsp. anserina
 83BL00257 G apennina Ten.
 66BL00210 I E argentea L. [Switzerland]
 92ZS00143 E argentea L. [Finland]
 92ZS00295 E argentea L. [E.Germany]
 79BL00244 S argyrophylla Wall. ex Lehm.
 89BL00060 G argyrophylla Wall. ex Lehm.
 88BL00174 G argyrophylla Wall. ex Lehm. 'Leucochroa'
 65BL00569 I G atrosanguinea Lodd. ex D.Don
 71BL00233 G aurea L. 'Goldklumpen'
 77BL00327 E brachypetala Fisch. & Mey. ex Lehm.
 86BL00191 G brauniana Hoppe

Rosaceae

65BL00194	I	G	canescens Bess.
69BL00224	I	G	cinerea Chaix ex Vill.
67BL00031	I	E	clusiana Jacq. [Austria]
92BL00755		G	crantzii (Crantz) Beck ex Fritsch
86BL00017		G	dickinsii
82BL00216		E	diversifolia Lehm. [Br. Columbia incl. Charlotte Isl.]
65BL00213	I	E	erecta (L.) Raeusch. [Switzerland]
84BL00039		G	eriocarpa Wall.
90BL01195		K	fragiformis Willd.
00ZG01689		G	fruticosa L. 'Abbottswood'
86RD00340		K	fruticosa L. 'Abbottswood'
79RD00347		G	fruticosa L. 'Dart's Golddigger'
00ZG01708		G	fruticosa L. 'Elizabeth'
69RD00149		G	fruticosa L. 'Elizabeth'
86RD00284		K	fruticosa L. 'Golden Tip'
86RD00292		K	fruticosa L. 'Goldstar'
00ZG01725		G	fruticosa L. 'Hachmann's Gigant'
86RD00341		K	fruticosa L. 'Jackman'
70RD00189		G	fruticosa L. 'Katherine Dykes'
86RD00342		K	fruticosa L. 'Klondike'
91RD01007		K	fruticosa L. 'Kobold'
86RD00343		K	fruticosa L. 'Longacre'
79RD00349		G	fruticosa L. 'Primrose Beauty'
91RD01405		K	fruticosa L. 'Princess'
79RD00348		G	fruticosa L. 'Red Ace'
65BL00212	I	G	grandiflora L.
92BL00381		S	grandiflora L.
78BL00098	I	G	indica (Andr.) Wolf
78ZS00015	I	G	indica (Andr.) Wolf
73BL00116	I	G	megalantha Takeda
82BL00312	I	G	megalantha Takeda
92BL00382		S	multifida L.
69BL00447		G	nepalensis W.J.Hook.
68BL00089	I	E	nitida L. [Italy]
92BL00384		S	ivalis Lapeyr.
83BL00128		E	norvegica L. [Norway]
92ZE00144		E	norvegica L. [Finland]
92ZE00252		E	norvegica L. [Norway]
91BL00535		E	ovina J. Macoun [Wyoming]
65BL00211		G	pyrenaica Ram. ex DC.
85BL00248		G	quinquefolia Rydb.
77BL00298	I	E	recta L. [Y 17398 Yugoslavia]
65BL00473	I	G	rupestris L. var. rupestris
65BL00505	I	E	rupestris L. var. rupestris [France]
68BL00043	I	E	rupestris L. var. rupestris
92BL00041		G	spec. [WOLB 91-007 Sikkim]
92BL00064		E	spec. [WOLB 91-034 Sikkim]

Rosaceae

73ZS00042	I G	sterilis (L.) Garcke
80BL00086	G	x tonguei Baxt.
84BL00125	G	valderia L.

Prinsepia

61RD01160	I G I	sinensis (Oliv.) Oliv. ex Bean
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Prunus

80RD00042	E	americana Marsh.
88RD00274	K	avium (L.) L.
62RD00767	G	cerasifera Ehrh.
86RD00389	K	x cistena (Hansen) Koehne
77RD00243	G	davidiana (Carr.) Franch.
62RD00740	G	domestica L. subsp. insititia (L.) Schneid.
62RD00182	I S	fruticosa Pall. [<u>Austria</u>]
86RD00349	K	glandulosa Thunb. 'Alboplena'
64RD00196	G	grayana Maxim.
78RD01070	G	laurocerasus L.
81RD00382	G	laurocerasus L. 'Caucasica'
86RD00339	G	laurocerasus L. 'Compacta'
92RD00737	U	laurocerasus L. cv.
74RD00182	G	laurocerasus L. 'Herbergii'
74RD00187	G	laurocerasus L. 'Magnolifolia'
74RD00184	G	laurocerasus L. 'Otto Luyken'
74RD00177	G	laurocerasus L. 'Reynvaanii'
74RD00176	G	laurocerasus L. 'Rotundifolia'
81RD00383	G	laurocerasus L. 'Rotundifolia'
84RD00448	G	laurocerasus L. var. salicifolia
74RD00183	G	laurocerasus L. 'Schipkaensis'
74RD00188	G	laurocerasus L. 'Schipkaensis Compacta'
74RD00180	G	laurocerasus L. 'Schipkaensis Holland'
74RD00281	G	laurocerasus L. 'Schipkaensis Holland'
74RD00186	G	laurocerasus L. 'Serbica'
77RD00431	G	laurocerasus L. 'Variegata'
00ZG00118	G	laurocerasus L. 'Zabeliana'
91RD00924	K	lusitanica L. 'Angustifolia'
74RD00189	G	lusitanica L. subsp. lusitanica
89RD00005	K	maackii Rupr.
78RD00910	G	maximowiczii Rupr.
66RD00034	G	nipponica Matsum. var. nipponica
75RD00024	G	padus L. 'Colorata'
88RD00275	K	padus L. 'Colorata'
70RD00103	G	padus L. 'Watereri'
79RD00539	G	'Pandora'
91RD01247	K	prostrata Labill.
78RD00723	I G	pumila L. var. depressa (Pursh) Bean
00ZG01738	G	sargentii Rehd.

Rosaceae

- 62RD00014 G sargentii Rehd.
62RD00336 G sargentii Rehd.
79RD00413 G sargentii Rehd.
00ZG01128 G serotina Ehrh.
00ZG01130 G serotina Ehrh.
00ZG01131 G serotina Ehrh.
61RD00840 E serotina Ehrh. [Ontario]
78RD01009 E serotina Ehrh. [Maryland]
00ZG00117 G serrula Franch.
00ZG00122 G serrula Franch.
60RD00481 G serrula Franch.
74RD00338 G serrula Franch.
79RD00364 G serrulata Lindl. 'Amanogawa'
70RD00114 G serrulata Lindl. 'Asano'
70RD00115 G serrulata Lindl. 'Fugenzo'
70RD00116 G serrulata Lindl. 'Hokusai'
70RD00118 G serrulata Lindl. 'Ichiyo'
70RD00119 G serrulata Lindl. 'Jo-Nioi'
70RD00121 G serrulata Lindl. 'Kiku-Shidare-Sakura'
70RD00123 G serrulata Lindl. 'Pink Perfection'
80RD00182 E serrulata Lindl. var. pubescens (Nakai) Wils. [Honshu]
70RD00124 G serrulata Lindl. 'Shirofugen'
79RD00365 G serrulata Lindl. 'Shirofugen'
80RD00180 E serrulata Lindl. var. spontanea (Maxim.) Wils. [Honshu]
70RD00126 G serrulata Lindl. 'Tai Haku'
00ZG01739 G serrulata Lindl. 'Ukon'
70RD00117 G serrulata Lindl. 'Ukon'
78RD00556 E sogdiana Vass. [Kirgiziya]
78RD00557 E sogdiana Vass. [Kirgiziya]
79RD00366 G 'Spire'
80RD00181 E ssiori Fr.Schmidt [Honshu]
79RD00537 I G subhirtella Miq. 'Autumnalis Rosea'
88RD00278 K subhirtella Miq. 'Autumnalis Rosea'
65RD00244 I G tenella Batsch
60RD00344 G tomentosa Thunb.
81RD00119 G tomentosa Thunb.
81RD00146 G tomentosa Thunb.
91RD01316 G triloba Lindl.
62RD00256 E virginiana L. var. melanocarpa (A.Nels.) Sarg. [Br. Columbia incl. Charlotte Isl.]
79RD00031 E virginiana L. var. virginiana [Ontario]
- Pyracantha**
65RD00006 G coccinea M.J.Roem.
75RD00026 G 'Soleil D'Or'

Rosaceae

Pyrus

81RD00094	G	betulifolia Bunge
61RD01337	G	bretschneideri Rehd.
00ZG01752	G	calleryana Decne. 'Chanticleer'
79RD00416	G	calleryana Decne. 'Chanticleer'
64RD00195	G	calleryana Decne. var. dimorphophylla (Mak.) Koidz.
84RD00112	G	caucasica Fed.
65RD00144	I G	pyrifolia (N.L. Burm.) Nakai
74RD00328	I G	pyrifolia (N.L. Burm.) Nakai
00ZG00927	G V	salicifolia Pall.
00ZG00928	G V	salicifolia Pall.
61RD01309	G V	salicifolia Pall.
80RD00548	G	spec. [A 13]
65RD00151	G	syriaca Boiss.

Rhaphiolepis

73GR00527	I G	umbellata (Thunb.) Mak.
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Rhodotypos

80RD00545	G	scandens (Thunb.) Mak. [A 43]
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Rosa

80RD00565	G	'American Pillar'
65RD00001	G	beggeriana Schrenk ex Fisch. & Mey.
78RD00789	G	blanda Ait.
62RD00083	E	canina L.
74RD00062	G	'Carmenette'
74RD00065	G	'Chinatown'
80RD00566	G	'Coral Dawn'
74RD00069	G	'Cordon Rouge'
80RD00567	G	'Dortmund'
78RD00787	G	filipes Rehd. & Wils.
69RD00202	G	'Flammentanz'
80RD00568	G	'Frau Karl Druschki'
74RD00063	G	'Fred Loads'
86RD00283	K	'Fruehlingsmorgen'
60RD00053	I G	glauca Pourr.
74RD00067	G	'Kassel'
78RD00788	G	'Macrantha'
66RD00030	G	macrophylla Lindl.
74RD00061	G	moyesii Hemsl. & Wils. 'Geranium'
63RD00327	G	multiflora Thunb.
72RD00044	G	multiflora Thunb.
69RD00203	G	'New Dawn'
80RD00570	G	'New Dawn'
90RD01162	E	palustris Marsh. [New Jersey]
80RD00571	G	'Paul's Scarlet Climber'

Rosaceae

- 65RD00207 I G pendulina L. var. pendulina
 80RD00572 G 'Pink Cloud'
 80RD00037 G rubiginosa L.
 80RD00149 E rubiginosa L. [Sweden]
 80RD00150 E rubiginosa L. [Sweden]
 80RD00274 E rubiginosa L. [Denmark]
 91RD00965 K rubiginosa L.
 84RD00364 G rugosa Thunb.
 85RD00390 K rugosa Thunb. 'Dart's Defender'
 74RD00138 G spec.
 89RD00010 E spec. [WOLB 88009 Nepal]
 74RD00068 G 'Uncle Walter'
 72RD00047 G virginiana J.Herrm.
 91RD00537 E woodsii Lindl. [Wyoming]

Rubus

- 76RD00178 G calycinoides Hayata
 87BL00196 E chamaemorus L. [Finland]
 87BL00398 E chamaemorus L. [Sweden]
 77RD00145 S leucodermis Dougl. ex Torr. & A. Gray
 63RD00363 I E parviflorus Nutt. [Washington]
 81RD00147 E saxatilis L. [Faroe Isl.]
 00ZG00123 I G spectabilis Pursh
 00ZG00164 G spectabilis Pursh
 64RD00391 G thibetanus Franch.
 00ZG01705 G x tridel 'Benenden'

Sanguisorba

- 78BL00329 E alpina Bunge [Kirgiziya]
 83ZS00007 E canadensis L. [Quebec]
 89BL00149 G minor Scop.
 91ZS00224 I E minor Scop. [Austria]
 91ZS01734 U minor Scop.
 64BL00193 E minor Scop. subsp. minor
 91BL01351 G officinalis L.

Sibbaldia

- 86BL00320 G B parviflora Willd.
 87BL00399 E procumbens L. [Sweden]

Sibiraea

- 80RD00312 E altaiensis (Laxm.) Schneid. var. altaiensis [Altai]

Sorbaria

- 76RD00083 I G arborea Schneid. var. arborea
 77RD00499 I G arborea Schneid. var. subtomentosa Rehd.
 77RD00117 I G assurgens Vilm. & Bois ex Rehd.

Rosaceae

78RD01097	G	sorbifolia (L.) A. Br. var. sorbifolia
91RD01548		sorbifolia (L.) A. Br. var. sorbifolia
77RD00118	G	sorbifolia (L.) A. Br. var. stellipila Maxim.
77RD00501	I G	sorbifolia (L.) A. Br. var. stellipila Maxim.
00ZG00042	G	tomentosa (Lindl.) Rehd.
Sorbus		
00ZG00253	G	americana Marsh.
62RD00519	E	americana Marsh.
78RD00701	S	americana Marsh.
00ZG00890	G	aria (L.) Crantz f. longifolia (Pers.) Rehd.
00ZG00894	G	aria (L.) Crantz f. longifolia (Pers.) Rehd.
79RD00384	G	aria (L.) Crantz 'Lutescens'
00ZG00877	G	aucuparia L. var. aucuparia
60RD00079	G	aucuparia L. var. aucuparia
78RD00967	G	aucuparia L. var. aucuparia
00ZG00689	K	aucuparia L. var. aucuparia
86RD01047	G	aucuparia L. 'Dirkenii'
00ZG00150	G	aucuparia L. 'Pendula'
88RD00276	K	cashmiriana Hedl.
68RD00010	G	chamaemespilus (L.) Crantz
78RD00230	E	chamaemespilus (L.) Crantz [<u>Austria</u>]
63RD00245	G	commixta Hedl.
77RD00348	I G	commixta Hedl.
79RD00383	G	commixta Hedl.
81RD00298	E	commixta Hedl. [<u>S.Korea</u>]
81RD00299	E	commixta Hedl. [<u>S.Korea</u>]
69RD00002	E	hibernica E.F. Warb.
70RD00143	G	hupehensis Schneid.
64RD00377	G	intermedia (Ehrh.) Pers.
64RD00445	G	matsumurana (Mak.) Koehne
60RD00755	G	mougeotii Soy.-Willem. & Godr.
60RD00757	G	mougeotii Soy.-Willem. & Godr.
60RD00411	G	pohuashanensis (Hance) Hedl.
00ZG00935	I G	prattii Koehne
62RD00110	G	prattii Koehne
62RD00095	G	prattii Koehne f. subarachnoidea (Koehne) Rehd.
64RD00382	G	prattii Koehne f. subarachnoidea (Koehne) Rehd.
79RD00317	G	reducta Diels
92RD00799	G	reducta Diels
62RD00091	G	rehderiana Koehne
66RD00032	G	scalaris Koehne
00ZG00882	I G	x thuringiaca (Ilse) Fritsch 'Neuillyensis'
78RD00101	E	torminalis (L.) Crantz [<u>W.Germany</u>]
78RD00109	G	vilmorinii Schneid.
78RD00338	G	vilmorinii Schneid.

Rosaceae

Spiraea

- 62RD00715 G albiflora (Miq.) Zab.
 72RD00258 G 'Anthony Waterer'
 00ZG01707 G arcuata J.D. Hook.
 69RD00198 I G x arguta Zab.
 61RD00980 G betulifolia Pall.
 91RD00942 K betulifolia Pall. var. aemiliana (Schneid.) Koidz.
 91RD00938 K x bumalda Burvenich 'Goldflame'
 79RD00315 G x bumalda Burvenich 'Nyewoods'
 81RD00008 U cantoniensis Lour.
 00ZG01691 G x cinerea Zab. 'Grefsheim'
 62RD00489 G corymbosa Raf.
 76RD00188 I G decumbens W.D.J. Koch subsp. decumbens
 65BL00133 I G decumbens W.D.J. Koch subsp. tomentosa (Poech) Dostal
 72BL00020 I E densiflora Nutt. [Arkansas]
 00ZG02290 I G douglasii W.J. Hook.
 64RD00146 I G hypericifolia L.
 71RD00024 I G japonica L.f. var. fortunei (Planch.) Rehd.
 69BL00401 I G japonica L.f. var. japonica
 77RD00082 E japonica L.f. var. japonica [Japan]
 91RD01218 K japonica L.f. 'Little Princess'
 73RD00023 I G japonica L.f. 'Shirobana'
 62RD00742 I G latifolia (Ait.) Borkh.
 64RD00277 I G media F.W. Schmidt
 86RD00391 K nipponica Maxim. 'Snowmound'
 75RD00027 G 'Own Gold Flame'
 00ZG01715 G x syringiflora Lem.
 00ZG00127 G thunbergii Sieb. ex Bl.
 62RD00515 S tomentosa L.
 71RD00027 I G tomentosa L.
 00ZG01694 G trilobata L.
 60RD00045 G trilobata L.
 62RD00668 G veitchii Hemsl.
 60RD00465 G wilsonii Duthie

Stephanandra

- 62RD00158 G incisa (Thunb.) Zab.
 70RD00109 G incisa (Thunb.) Zab.
 77RD00565 I G incisa (Thunb.) Zab.
 75RD00028 G incisa (Thunb.) Zab. 'Crispa'
 64RD00290 I G R tanakae (Franch. & Sav.) Franch. & Sav.
 91RD01406 K R tanakae (Franch. & Sav.) Franch. & Sav.

Stranvaesia

- 81RD00384 G davidiana Decne. cv.
 74RD00285 G davidiana Decne. var. davidiana
 61RD00312 G davidiana Decne. var. salicifolia (Hutchins.) Rehd.

Rosaceae

61RD00319 I G davidiana Decne. var. undulata (Decne.) Rehd. & Wils.

Waldsteinia

65BL00153 I G geoides Willd.
69BL00398 I G ternata (Steph.) Fritsch
73ZS00044 I G ternata (Steph.) Fritsch

Rubiaceae**Asperula**

92ZE00437 G arvensis L.
65BL00126 I G ciliata Rochel
88BL00192 G cynanchica L.
88BL00440 E cynanchica L. [E.Germany]
88BL00441 E cynanchica L. [E.Germany]
90BL00022 I G cynanchica L.
84BL00127 G R hexaphylla All.
90BL01020 K nitida Sibth. & Sm. var. puberula
71ZE00303 I G orientalis Boiss. & Hohen.
78BL00189 I S purpurea (L.) Ehrend. subsp. purpurea [Italy]
78BL00090 I S scutellaris Vis. [Yugoslavia]
71BL00073 I G taurina L. subsp. leucanthera (G.Beck) Hayek

Cephalanthus

91RD00891 K occidentalis L.

Coccocypselum

84GR00191 E guianense K.Schum. [French Guiana]
89GR00095 I E guianense K.Schum. [MJJ 1962 Guyana]
75GR00170 I G hirsutum Bartl. ex DC.
78GR00075 G umbellatum Poir.

Coffea

68GR00794 G arabica L. 'Nana'
68GR00925 I G liberica Bull ex Hiern

Coprosma

66BL00380 I G petriei Cheesem.

Coutarea

66GR01649 I E hexandra (Jacq.) K.Schum. var. fluminensis K.Schum. [JCL
1317 Brazil]

Cruciata

91ZS00751 E laevipes Opiz [Italy]
91ZS00981 E laevipes Opiz [France]

Rubiaceae

Galium

- 90ZS00683 I E album Miller [LUKK. Groningen]
 90BL00899 E anisophyllon Vill. [KLIPH 3216]
 65BL00197 I G boreale L.
 85BL00152 E boreale L. [KLIPH 1694 France]
 85BL00159 E boreale L. [KLIPH 0211]
 85BL00154 E broterianum Boiss. & Reut. [KLIPH 1926 Portugal]
 88BL00271 E E glaucum L. [W.Germany]
 90ZS00512 S E glaucum L.
 91ZS00793 S E glaucum L. [W.Germany]
 71ZS00068 I G odoratum (L.) Scop.
 72BL00290 I G odoratum (L.) Scop.
 85BL00160 E palustre L. [KLIPH 3312]
 85BL00156 S polonicum Blocki [KLIPH 1620 Poland]
 90ZS00685 I E x pomeranicum Retz. [LUKK. Groningen]
 85BL00158 E purpurea (L.) Ehrend. subsp. apiculata (Sibth. & Sm.)
 Ehrend. [KLIPH 1498 Greece]
 71ZS00066 I G rubioides L.

Gardenia

- 79GR00030 G jasminoides Ellis

Geophila

- 89GR00096 I E cordifolia Miq. [MJJ 1963 Guyana]
 66GR01751 V E macropoda (Ruiz & Pav.) DC. [JCL 599 Brazil]

Hamelia

- 68GR00920 I G versicolor A.Gray

Hoffmannia

- 68GR00392 I G refulgens (W.J.Hook.) Hemsl.

Houstonia

- 90BL00916 K caerulea L.

Hydnophytum

- 90GR00260 I K formicarum Jack
 90GR00264 E formicarum Jack [H.- Phillippines]
 92GR00571 G formicarum Jack

Manettia

- 84GR00024 I E coccinea (Aubl.) Willd. [JJDG 6407 French Guiana]

Morinda

- 91GR01455 G citrifolia L.
 91GR01456 G citrifolia L.

Rubiaceae

- 92GR00116 G **Mussaenda**
philippica A. Rich.
- 75GR00367 G **Nertera**
granadensis (Mutis ex L.f.) Druce
- 68GR00130 I G **Ophiorrhiza**
mungos L.
- 72GR00395 I E **Oxyanthus**
formosus J.D.Hook. [BRET 207 W. Trop. Africa]
- 83BL00079 G **Phuopsis**
stylosa (Trin.) Jacks.
- 66GR01779 I E **Psychotria**
alba Ruiz & Pav. [L&HAAS S17 Brazil]
74GR00478 G emetica L.f.
68GR00718 G undata Jacq.
- 88GR00207 E **Randia**
spec. [FEUIL 10342 French Guiana]
- 71ZE00819 I G **Richardia**
scabra L.
- 87ZS00024 I E E **Rubia**
tinctorum L. [France]
- 55ZE00796 I G **Sherardia**
arvensis L.
- 81ZE00334 I G **Valantia**
hispidula L.
- 81GR00016 E **unknown**
species 'RUBIAC' [JCL 6954 Brazil]
92GR00036 E species 'RUBIAC' [WOLB 91-002 Sikkim]
92GR00557 G species 'RUBIAC'

Rutaceae

- 67GR00235 I E E **Balfourodendron**
riedelianum Engl. [JCL Brazil]
- 75GR00133 I G **Choisya**
ternata H.B.K.

Rutaceae

90GR00734 I K **x Citrofortunella**
mitis (Blanco) J. Ingram & H.E. Moore

Citrus

73GR00537 G aurantium L. subsp. aurantium
84GR00401 G deliciosa Ten.
73GR00463 G medica L. cv.
75GR00296 I G sinensis (L.) Osbeck

Dictamnus

91ZS00986 E albus L. var. albus [E.Germany]
92ZS00307 G albus L. var. albus

Euodia

80RD00553 G spec. [A 55]

Microcitrus

73GR00523 I G australis (Planch.) Swingle

Muraya

75GR00389 I G paniculata (L.) W. Jack

Orixa

62RD00384 I G japonica Thunb.
64RD00028 I G japonica Thunb.
71RD00100 I G japonica Thunb.

Phellodendron

78RD00312 G chinense Schneid.
79RD00172 G chinense Schneid.
78RD00099 G japonicum Maxim.
74RD00376 I G lavallei Dode
61RD00248 I G sachalinense (Fr.Schmidt) Sarg.
78RD00503 E sachalinense (Fr.Schmidt) Sarg. [Sakhalin]

Poncirus

00ZG00924 G trifoliatus (L.) Raf.
70RD00068 I G trifoliatus (L.) Raf.
71RD00085 I G trifoliatus (L.) Raf.

Ptelea

65RD00190 G nitens E.Greene
76RD00043 G polyadenia E.Greene
78RD00100 G trifoliata L.
79RD00110 G trifoliata L.
79RD00224 G trifoliata L.

Rutaceae

- Ruta**
 77RD00562 I G graveolens L.
 83BL00080 G montana (L.) L.
- Skimmia**
 81RD00388 G japonica Thunb. var. japonica
 81RD00389 G japonica Thunb. var. japonica
 81RD00390 G japonica Thunb. var. japonica 'Kew White'
 86RD00338 K japonica Thunb. var. japonica 'Kew White'
 82RD00358 K japonica Thunb. 'Keessen'
 86RD00236 G japonica Thunb. 'Keessen'
 69RD00131 V G japonica Thunb. 'Rubella'
 84RD00051 E japonica Thunb. f. rugosa (Yatabe) Ohwi [Japan]
 88RD00322 G reevesiana (Fort.) Fort.
 86RD00237 G reevesiana (Fort.) Fort. 'Ruby King'

- Tetradium**
 63RD00010 I G daniellii (Benn.) Hartley
 63RD00304 I G daniellii (Benn.) Hartley

- Zanthoxylum**
 78RD00720 G americanum Mill.
 66RD00098 G piperitum DC.
 80RD00287 G piperitum DC. f. inerme Mak.
 72RD00278 I U simulans Hance
 80RD00238 G simulans Hance

Sabiaceae

- Meliosma**
 91GR01453 G tenuis Maxim.

Salicaceae

- Populus**
 70RD00100 G x canadensis Moench 'Aurea'
 77RD00432 G x canadensis Moench 'Serotina Aurea'
 79RD00079 G x canadensis Moench 'Serotina De Selys'
 87RD00300 K lasiocarpa Oliv.
 00ZG02216 G simonii Carr. 'Fastigiata'
 77RD00434 G szechuanica Schneid.
 00ZG00149 G tremula L. 'Pendula'
 00ZG00967 G tremula L. 'Pendula'
 00ZG01877 G tremula L. 'Pendula'
 00ZG02215 G trichocarpa Torr. & A.Gray ex W.J.Hook.
 00ZG02304 G trichocarpa Torr. & A.Gray ex W.J.Hook.
 74RD00344 G wilsonii Schneid.

Salicaceae

- Salix**
- 69RD00157 G alpina Scop.
 78RD00119 E appendiculata Vill. [France]
 69RD00156 G arbuscula L.
 86RD00307 K arbuscula L.
 65RD00206 I G arctica Pall.
 91RD00936 K babylonica L. 'Crispa'
 78RD00759 G x boydii Lint.
 84RD00377 E callicarpaea Trautv. [Iceland]
 90RD00242 K caprea L.
 90RD01154 fruticulosa Anderss.
 69RD00163 G glabra Scop.
 69RD00128 G hastata L. 'Wehrhahnii'
 88RD00280 K helvetica Vill.
 84RD00432 G lanata L.
 89BL00153 K lanata L.
 60RD00237 G V magnifica Hemsl.
 92RD00492 G 'Melanostachys'
 69RD00164 G moupinensis Franch.
 78RD00368 E myrsinites L. [Finland]
 92RD00202 E myrsinites L. [Finland]
 71RD00039 G nigricans J.E. Sm.
 69RD00160 G phyllicifolia L.
 88RD00281 K purpurea L. 'Pendula'
 84RD00204 E repens L. [Finland]
 90RD00243 K repens L.
 92RD00203 E repens L. [Finland]
 73RD00034 G repens L. var. nitida (Ser.) Wender.
 84RD00428 G reticulata L.
 69BL00406 G retusa L.
 77RD00433 G sachalinensis Fr. Schmidt
 00ZG01297 G sachalinensis Fr. Schmidt 'Sekka'
 92RD00507 K sachalinensis Fr. Schmidt 'Sekka'
 64RD00282 I G x sepulcralis Simonkai 'Tristis'
 79RD00367 G x sepulcralis Simonkai 'Tristis'
 78RD00400 E serpyllifolia Scop. [Switzerland]
 65RD00204 G x simulatrix F.B. White
 69RD00158 G x simulatrix F.B. White

Salviniaceae

- 91GR01139 G

Salvinia
 molesta

Santalaceae

Santalaceae

- 91GR00760 E **Osyris**
alba L. [Portugal]

Sapindaceae

- 72GR00311 I E **Allophylus**
edulis (St.-Hil.) Radlk. [JCL 8228 Brazil]

- 90GR00305 G **Cardiospermum**
halicacabum

- 68GR00971 E **Chytranthus**
spec. [BRET 204 Cameroun]

- 90GR00321 G **Dodonaea**
viscosa (L.) Jacq.

- 78RD00046 G **Koelreuteria**
integrifolia Franch.
74RD00013 G paniculata Laxm. var. apiculata (Rehd. & Wils.) Rehd.
75RD00036 G paniculata Laxm. var. paniculata
86RD00293 K paniculata Laxm. var. paniculata
92RD00164 I K paniculata Laxm. var. paniculata

- 89GR00098 S E **Matayba**
inelegans (Spruce) Radlk. [MJJ 1984 Guyana]
89GR00099 S E macrostylis Radlk. [MJJ 2023 Guyana]
91GR01862 E spec. [MP Guyana]

- 64GR00108 E **Melicocca**
bijuga L. [SA 7 Suriname]

- 80GR00247 E **Pseudima**
frutescens (Aubl.) Radlk. [L&G 330 Suriname]

- 84GR00275 I E R **Talisia**
microphylla Uittien [MAAS 5973 Peru]

- 88RD00199 G **Xanthoceras**
sorbifolium Bunge

Sapotaceae

- 67GR00274 E **Chrysophyllum**
cainito L. [JCL Venezuela]

Sapotaceae

- 67GR00045 I E
90GR00707 G

Manilkara

- subsericea (Mart.) Dubard [JCL Brazil]
zapota (L.) P. Royen

- 88GR00205 E

unknown

- species 'SAPOTA' [FEUIL 10329 French Guiana]

Sarraceniaceae

- 80GR00231 G

Darlingtonia

- californica Torr.

- 78GR00193 G

Sarracenia

- x catesbaei Elliott

- 92GR00124 K

- flava L.

- 77GR00199 G

- leucophylla Raf.

- 92GR00110 K

- minor Walt.

- 92GR00111 K

- x mooreana hort. ex Veitch

- 77GR00198 G

- psittacina Michx.

- 75GR00407 G

- purpurea L.

- 80GR00230 G

- purpurea L.

Saururaceae

- 76GR00591 I G

Houttuynia

- cordata Thunb.

- 85BL00214 I G

- cordata Thunb.

- 89RD00072 I K

- cordata Thunb. 'Chameleon'

Saxifragaceae

- 74ZB00016 G

Astilbe

- (Arendsii-hybr.) 'Brautschleier'

- 92ZS00496 K

- (Arendsii-hybr.) 'Brautschleier'

- 92ZS00495 K

- (Arendsii-hybr.) 'Bressingham Beauty'

- 92ZS00498 K

- (Arendsii-hybr.) 'Cattleya'

- 92ZS00497 K

- (Arendsii-hybr.) 'Erika'

- 70ZS00006 G

- (Arendsii-hybr.) 'Etna'

- 70ZS00010 G

- (Arendsii-hybr.) 'Fanal'

- 70ZS00009 G

- (Arendsii-hybr.) 'Federsee'

- 92ZS00706 K

- (Arendsii-hybr.) 'Gertrud Brix'

- 92ZS00705 K

- (Arendsii-hybr.) 'Gloria Purpurea'

- 92ZS00500 K

- (Arendsii-hybr.) 'Glut'

- 70ZS00004 G

- (Arendsii-hybr.) 'Irrlicht'

- 92ZS00499 K

- (Arendsii-hybr.) 'Rosenschleier'

- 92ZS00707 K

- (Arendsii-hybr.) 'Spartan'

- 70ZS00008 G

- (Japonica-hybr.) 'Bonn'

Saxifragaceae

90ZB00691	K	(Japonica-hybr.) 'Deutschland'
92ZS00503	K	(Japonica-hybr.) 'Deutschland'
70ZS00005	G	(Japonica-hybr.) 'Emden'
74ZB00017	G	(Japonica-hybr.) 'Europa'
70ZS00007	G	(Japonica-hybr.) 'Gladstone'
70ZS00003	G	(Japonica-hybr.) 'Köln'
70ZS00011	G	(Japonica-hybr.) 'Rheinland'
70ZS00012	G	(Japonica-hybr.) 'Vesuvius'
92ZS00506	K	(Japonica-hybr.) 'White Queen'
92ZS00502	K	(Thunbergii-hybr.) 'Moerheimii'
92ZS00501	K	(Thunbergii-hybr.) 'Straussenfeder'
91ZS01855	S	chinensis (Maxim.) Franch. & Sav. var. chinensis [<u>S.Korea</u>]
91ZS01856	S	chinensis (Maxim.) Franch. & Sav. var. davidii Franch. [<u>S.Korea</u>]
92ZS00504	K	chinensis (Maxim.) Franch. & Sav. var. davidii Franch.
75ZS00079	I G	chinensis (Maxim.) Franch. & Sav. 'Pumila'
92ZS00493	K	chinensis (Maxim.) Franch. & Sav. 'Späthsommer'
92ZS00494	K	chinensis (Maxim.) Franch. & Sav. 'Superba'
65BL00256	G	congesta Nakai
75ZS00003	I G	japonica (C.Morr. & Decne.) A.Gray var. japonica
86BL00402	E	rivularis Buch.-Ham. ex D. Don [<u>SCHLL 2877 Nepal</u>]
92ZS00505	K	rivularis Buch.-Ham. ex D. Don
81BL00136	I U	simplicifolia Mak.

Astilboides

90BL00089 G

tabularis

Bergenia

70ZS00015	G	'Abendglut'
69BL00444	I G	ciliata (Haw.) Sternb. f. ligulata (Wall.) Yeo
80ZS00047	G	cordifolia (Haw.) Sternb.
69BL00289	G	cordifolia (Haw.) Sternb. 'Purpurea'
69BL00288	G	crassifolia (L.) Fritsch var. crassifolia
69BL00443	G	crassifolia (L.) Fritsch var. pacifica (Kom.) Nehr.
84BL00323	E	purpurascens (J.D.Hook. & Thoms.) Engl. [<u>AGS-S 453 Sikkim</u>]
81BL00014	E	spec. [<u>Nepal</u>]
66BL00080	G	stracheyi (J.D.Hook. & Thoms.) Engl. 'Alba'

Boykinia

87BL00657	E	aconitifolia Nutt. [<u>Virginia</u>]
75ZS00092	I G	major A.Gray

Chrysosplenium

71BL00114	I E	alternifolium L. [<u>Belgium</u>]
66BL00462	I E	oppositifolium L. var. oppositifolium [<u>The Netherlands</u>]

Saxifragaceae

- 66BL00201 I G **Darmera**
peltata (Torr. ex Benth.) Voss
- 82BL00230 E **Elmera**
racemosa Rydb. [Washington]
- 75ZS00002 I G **Heuchera**
americana L.
- 84BL00390 G bracteata (Torr.) Ser.
- 71BL00066 I S flabellifolia Rydb. [California]
- 80ZB00021 G 'Greenfinch'
- 62BL00306 G micrantha Dougl.
- 89BL00124 K 'Palace Purple'
- 62BL00305 G pilosissima Fisch. & Mey.
- 66BL00363 G 'Pluie De Feu'
- 86BL00208 E **Leptarrhena**
pyrolifolia (D. Don) R. Br. ex Ser. [Alberta]
- 87BL00410 E pyrolifolia (D. Don) R. Br. ex Ser. [Alberta]
- 70BL00038 G **Mitella**
breweri A. Gray
- 75ZS00093 I E diphylla L. [Quebec]
- 86BL00134 E diphylla L. [Canada]
- 81BL00079 E trifida Grah. [ROSE Br. Columbia incl. Charlotte Isl.]
- 87BL00631 E **Parnassia**
glauca Raf. [Ontario]
- 90BL00825 E glauca Raf. [Ohio]
- 83BL00073 E palustris L. [Austria]
- 87BL00147 E R **Peltoboykinia**
watanabei (Yatabe) Hara [Japan]
- 72BL00024 I G **Rodgersia**
aesculifolia Batal.
- 65BL00240 I G podophylla A. Gray
- 81BL00018 E **Saxifraga**
aizoides L. [Norway]
- 85BL00009 E aizoides L. [Switzerland]
- 91BL01809 K x anglica 'Grace Farwell'
- 92BL00814 K x anglica 'Winifred'
- 69BL00372 G x apiculata Engl. 'Alba'
- 65BL00538 I E x apiculata Engl. 'Gregor Mendel' [Switzerland]
- 86BL00352 E aspera L. [Switzerland]
- 82BL00179 E biflora All. [Switzerland]

Saxifragaceae

- 92BL00804 K x boydii cv.
 92BL00810 K x boydii 'Pilatus'
 92BL00091 E brunonis [EMAK 406]
 82BL00090 E bryoides L. [Austria]
 83BL00256 E burseriana L. [Austria]
 87BL00345 E caesia L. [Italy]
 69BL00367 G callosa J.E.Sm. subsp. callosa
 91BL00412 S callosa J.E.Sm. subsp. callosa
 75BL00181 I G canaliculata Boiss. & Reut. ex Engl.
 92BL00875 G caucasica Somm. & Lev. var. desoulavyi (Oet.) Engl.
 85BL00062 E cernua L. [Norway]
 91BL00328 E cernua L. [Norway]
 91BL00738 E cespitosa L. [Norway]
 86BL00171 K cochlearis Rchb. 'Probinii'
 90BL00513 S continentalis
 92BL00422 S continentalis [France]
 69BL00237 I G cortusifolia Sieb. & Zucc. var. cortusifolia
 69BL00434 I G cortusifolia Sieb. & Zucc. var. fortunei (W.J.Hook.) Maxim.
 83BL00433 E cotyledon L. [N 8326 Switzerland]
 66BL00020 G crustata Vest
 92BL00816 G crustata Vest
 65BL00234 I E cuneifolia L. [EAM Switzerland]
 65BL00345 E cuneifolia L.
 90BL01038 U x edithae Suenderm. 'Bridget'
 92BL00806 K x edithae Suenderm. 'Bridget'
 69BL00369 G x eudoxiana Kellerer 'Haagii'
 65BL00245 G exarata Vill.
 92BL00807 G federici-augusti Biasol.
 78BL00473 I E fernandi-coburgii Kellerer & Suenderm. [CYT 20379
 Macedonia]
 92BL00811 G fernandi-coburgii Kellerer & Suenderm.
 88BL00101 E fragarioides E.Greene [R.R. 70546 California]
 92BL00854 G 'Galaxy'
 69BL00236 I G x geum L.
 65BL00024 I E granulata L. [France]
 90ZS00386 K granulata L. "Plena"
 90BL00040 E hirculus [Finland]
 69BL00366 I G hostii Tausch subsp. hostii
 71BL00273 G hypnoides L. var. egemmulosa Engl. & Irmsch.
 69BL00150 G hypnoides L. var. hypnoides
 78BL00054 I E hypnoides L. var. hypnoides
 69BL00232 G juniperifolia Adams var. juniperifolia
 92BL00200 K juniperifolia Adams var. juniperifolia
 92BL00853 G 'Labe'
 92BL00813 G lilacina Duthie
 89BL00097 E longifolia Lapeyr. [WOLB 89073 Pyrenees]
 89BL00098 E longifolia Lapeyr. [WOLB 89076 Pyrenees]

Saxifragaceae

- 90BL00124 G longifolia Lapeyr. hybr.
82BL00286 E R luteoviridis Schott & Kotschy [Bulgaria]
66BL00117 G x macnabiana Lindsay
92BL00803 G marginata Sternb.
90BL00023 G marginata var. rocheliana
83BL00139 E moschata Wulf.
89BL00051 G muscoides
87BL00174 G R mutata L.
87BL00343 E R mutata L. [Italy]
87BL00402 G R mutata L.
91BL01810 K R mutata L.
91BL01806 K oppositifolia L. 'Alba'
84BL00556 E oppositifolia L. var. oppositifolia [N 8322 Switzerland]
85BL00050 E oppositifolia L. var. oppositifolia [Switzerland]
67BL00282 G oranensis Munby
89BL00104 K paniculata Mill. 'Minor'
90BL01037 U paniculata Mill. var. minutissima
65BL00326 I E paniculata Mill. subsp. paniculata [EAM Switzerland]
87BL00678 E paniculata Mill. subsp. paniculata [Italy]
69BL00370 G x paulinae Suenderm. 'Kolbiana'
79BL00322 E pedemontana All. subsp. pedemontana [France]
92BL00823 G poluniniana H. Sm.
81BL00168 E rivularis L. [Sweden]
66BL00075 I G rosacea Moench subsp. rosacea
90BL00298 S rosacea Moench subsp. rosacea [W. Germany]
78BL00056 E rosacea Moench subsp. sponhemica (C.C.Gmel.) D.A.Webb
[France]
65BL00347 I E rotundifolia L. subsp. rotundifolia [Alps]
85BL00047 E rotundifolia L. subsp. rotundifolia [Switzerland]
85BL00058 E rotundifolia L. ssp. rotundifolia [Turkey (Asia Minor)]
91BL01811 K sancta Griseb. var. pseudosanta (Janka) Kuzm.
64BL00068 I G scardica Griseb.
92BL00889 G scardica Griseb.
81BL00238 I E sempervivum K.Koch [CYT T24903 Bulgaria]
64BL00406 I G sibthorpii Boiss.
75BL00182 G 'Southside Seedling'
92BL00798 K 'Southside Seedling'
69BL00260 G spec.
92BL00821 G spec.
65BL00486 G stellaris L.
91BL01099 E stellaris L. [Yugoslavia]
91BL01120 E stellaris L. [Switzerland]
78GR00259 I G stolonifera Meerb.
85BL00059 E taygetea Boiss. & Heldr. [Greece]
69BL00229 I G tenella Wulf.
92BL00388 S V tombeanensis Boiss. ex Engl.
92BL00389 S tricuspidata Rottb.

Saxifragaceae

- 66BL00337 G 'Triumph'
 77BL00032 I G umbrosa L.
 80ZS00094 I E umbrosa L. [France]
 92BL00364 S R vayredana Luizet
 92BL00390 S R vayredana Luizet
 81BL00151 I S virginensis Michx. [Switzerland]
 84BL00238 E virginensis Michx. [Pennsylvania]
 92BL00805 K x wendelacina 'Wendy'

Tanakaea

- 86BL00425 K radicans Franch. & Sav.

Tellima

- 65BL00266 I G grandiflora (Pursh) Dougl. ex Lindl.
 75ZS00091 I G grandiflora (Pursh) Dougl. ex Lindl.

Tiarella

- 77BL00113 I G cordifolia L.

Schizaeaceae

Anemia

- 68GR00439 I G phyllitidis (L.) Sw.
 68GR00440 I G rotundifolia Schrad.

Scrophulariaceae

Alonsoa

- 53ZE00692 V G meridionalis (L.f.) O. Kuntze

Antirrhinum

- 84ZE02505 K majus L. cv.

Asarina

- 92GR00211 G erubescens (D. Don) Pennell
 92GR00987 G erubescens (D. Don) Pennell
 64BL00353 I G procumbens Mill.

Besseya

- 91BL00245 E wyomingensis [Wyoming]

Calceolaria

- 87BL00015 G biflora Lam.
 92BL00391 S biflora Lam.
 91GR01644 G chelidonioides H.B.K.
 90BL00898 K darwinii Benth.
 92BL00831 G fothergillii Soland.

Scrophulariaceae

- 91GR00874 I G mexicana Benth.
 55ZE00896 I G tripartita Ruiz & Pav.
- Chaenarrhinum**
 68BL00031 I G organifolium (L.) Fourr. subsp. organifolium
- Chelone**
 76BL00017 I G lyonii Pursh
 74ZB00007 I G obliqua L.
- Craterostigma**
 90GR01065 I E plantagineum Hochst. [Kenya]
- Cymbalaria**
 84BL00531 G hepaticifolia (Poir.) Wettst.
 75BL00169 I G muralis Ph.Gaertn., B.Mey. & Scherb. f. glechomifolia (Chev.) Cuf.
 65BL00029 I G muralis Ph.Gaertn., B.Mey. & Scherb. f. toutoni (Chev.) Cuf. [EAM]
 90BL00099 G pallida
 89BL00109 K pallida (Ten.) Wettst. 'Alba'
- Digitalis**
 89BL00139 U ciliata Trautv.
 82ZE02175 I E ferruginea L. [Yugoslavia]
 72BL00099 I G grandiflora Mill.
 83BL00415 G laevigata Waldst. & Kit.
 71ZE01001 G I lanata Ehrh.
 83BL00416 G leucophaea Sibth. & J.E. Sm.
 65BL00557 I G lutea L.
 78BL00432 I E lutea L. [EAM Spain]
 91BL01348 K lutea L.
 73ZS00072 I G purpurea L.
 91ZE01606 G purpurea L.
 85BL00209 G viridiflora Lindl.
- Erinus**
 64BL00217 I G alpinus L.
 92BL00257 E alpinus L. [Switzerland]
- Gratiola**
 71ZS00117 I G officinalis L.
 77BL00133 E officinalis L. [W.Germany]
 91ZS01895 U officinalis L.
- Hebe**
 88RD00319 K 'Azurius'

Scrophulariaceae

88RD00317	K	buxifolia (Benth.) Cock. & Allan var. buxifolia
88RD00318	K	buxifolia (Benth.) Cock. & Allan var. patens Cheesem.
92RD00855	G	ciliolata (J.D. Hook.) Cock. & Allan
91RD00949	K	'Maori Gem'
69RD00097	I G	ochracea Ashwin
91RD00899	K	ochracea Ashwin
86RD00382	K	ochracea Ashwin 'James Stirling'
69BL00392	I G	pinguifolia (J.D.Hook.) Cock. & Allan

Hemiphragma

86BL00490	E	heterophyllum Wall. [Nepal]
87BL00464	E	heterophyllum Wall. [Nepal]

Leucocarpus

68GR00129	I G	perfoliatus (W.J.Hook.) Benth.
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Linaria

90BL00944	I E	genistifolia (L.) Mill. subsp. genistifolia [Bulgaria]
65BL00293	I G	repens (L.) Mill.
77ZE00617	I E	trionithophora (L.) Willd. [JVL 17 Spain]
80ZS00025	I E	vulgaris Mill. [W.Germany]

Mazus

83BL00092	I G	japonicus (Thunb.) O.Kuntze
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Mimulus

91BL00741	S	alatus W.Ait. [Pennsylvania]
77BL00141	I G	cardinalis Dougl.
80ZS00096	I G	guttatus DC.
91ZS01908	U	guttatus DC.
91BL00611	S	guttatus DC. subsp. guttatus [Br. Columbia incl. Charlotte Isl.]
91BL00612	S	lewisii Pursh [Br. Columbia incl. Charlotte Isl.]
86BL00167	K	luteus L. 'A.J. Johnson'
87BL00024	G	moschatus Dougl. ex Lindl.
87BL00570	G	moschatus Dougl. ex Lindl.
88BL00102	E	moschatus Dougl. ex Lindl. [R.R. 70749]
88BL00103	E	primuloides Benth. [RR&KZ 70736 California]
83BL00311	I E	ringens L. [Massachusetts]
91BL00742	S	ringens L. [Pennsylvania]
91BL00506	E	ringens L. var. colpophilus Fern. [Quebec]
84BL00096	G	tilingii Regel
87BL00025	G	'Whitecroft Scarlet'

Misopates

53ZE00754	I G	orontium (L.) Raf.
92ZE00471	E	orontium (L.) Raf. [Italy]

Scrophulariaceae

55ZE00919	G R	Nemesia strumosa Benth.
88GR00144	I E	Otacanthus coeruleus Lindley [F.BI 860 <u>Reunion</u>]
91BL00408	G	Parahebe lyallii (J.D. Hook.) W. Oliver
74RD00060	G	Paulownia tomentosa (Thunb.) Steud.
92RD00726	K	tomentosa (Thunb.) Steud.

PENSTEMON

Introduction

The genus *Penstemon*, with its 250 species, is distributed in N.-America, and only one species in Japan. Most *Penstemon* species are very attractive as Rock Gardens plants, or as Border Plants. Of the genus sufficient scientific studies are available in several flora's of N.America (e.g. Cronquist et. al. (eds.): the *Intermountain Flora*, New York Botanical Garden, Bronx, New York, U.S.A.).

Aims

Further introduction of less known species, suitable for cultivation, especially concerning Rock garden representatives.

Programme

Continuing development of the collection regarding species composition and quality (wild source material).

Location

Various sections at Fort Hoofddijk.

		Penstemon
87BL00062	E	albidus Nutt. [<u>Alberta</u>]
91BL00347	G	alpinus Torr.
69BL00120	I G	attenuatus Dougl. ex Lindl.
90BL00067	G	azureus
87BL00455	I G	barbatus (Cav.) Nutt. var. barbatus
90BL00158	G	barbatus (Cav.) Nutt. var. barbatus
90BL00609	G	barbatus (Cav.) Roth var. torreyi (Benth.) A. Gray
87BL00472	G	bridgesii A. Gray

Scrophulariaceae

87BL00536	G	californicus (Munz & Johnst.) Keck
90BL00610	G	campanulatus
87BL00658	E	canescens (Britt.) Britt. [Tennessee]
90BL00856	G	cardinalis
91BL00700	E	cardwellii T.J. Howell [Oregon]
83BL00356	E	cobaea Nutt. [Oklahoma]
87BL00231	S	confertus Dougl.
88BL00203	G	cyaneus Pennell
83BL00040	E	davidsonii E. Greene var. davidsonii [Oregon]
91BL00701	E	davidsonii E. Greene var. davidsonii [Oregon]
87BL00067	E	davidsonii E. Greene var. ellipticus J.M. Coult. & E. Fischer J. Boivin [Canada]
90BL00190	G	davidsonii Greene subsp. menziesii
71ZS00119	I G	digitalis Nutt.
81BL00149	S	digitalis Nutt. [Switzerland]
87BL00535	G	eriantherus Pursh
88BL00362	G	eriantherus Pursh
90BL00857	G	fendleri
90BL00159	G	fruticosus (Pursh) E. Greene var. scouleri (Lindl.) Congr.
86BL00387	E	gentianoides (H.B.K.) Poir. [PRIE 068 Mexico]
91BL00704	E	globosus (Piper) Penn. & Keck [Oregon]
71BL00229	G	gracilis Nutt.
90BL00008	G	hartwegi
86BL00553	I E	heterophyllus Lindl. [WROD California]
91BL00828	S	heterophyllus Lindl. [California]
87BL00208	S	hirsutus (L.) Willd.
87BL00311	I G	hirsutus (L.) Willd.
87BL00313	I G	hirsutus (L.) Willd.
87BL00616	G	hirsutus (L.) Willd.
90BL00299	S	hirsutus (L.) Willd. [Canada]
87BL00029	G	hirsutus (L.) Willd. var. pygmaeus R.W. Bennett
90BL00200	G	humilis
86BL00242	E	lyallii A. Gray [Alberta]
91BL00348	G	montanus Greene
91BL00354	E	nemorosus (Dougl. ex Lindl.) Trautv. [United States (excl. Alaska)]
87BL00115	E	newberryi A. Gray [Nevada]
91BL00349	G	osterhoutii Penn.
88BL00028	I G I	peckii Pennell
69BL00346	I G	pinifolius E. Greene
86BL00390	G	pinifolius E. Greene
90BL00568	E	pinifolius E. Greene [Switzerland]
91BL00355	E	procerus Dougl. subsp. brachyanthus [United States (excl. Alaska)]
91BL00706	E	procerus Dougl. subsp. brachyanthus [Oregon]
88BL00106	E	procerus Dougl. subsp. formosus (A. Nels.) Keck [RR&KZ 70715 California]

Scrophulariaceae

- 90BL01040 U procerus Dougl. subsp. formosus (A. Nels.) Keck
86BL00220 S procerus Douglas ex R.C. Graham s.l. [Br. Columbia incl. Charlotte Isl.]
87BL00173 I G procerus Douglas ex R.C. Graham s.l.
87BL00230 I G procerus Douglas ex R.C. Graham s.l.
87BL00258 G procerus Douglas ex R.C. Graham s.l.
87BL00414 I S procerus Douglas ex R.C. Graham s.l. [Alberta]
89BL00052 G procerus Douglas ex R.C. Graham s.l.
87BL00440 G procerus Dougl. ex Grah. var. tolmiei (W.J. Hook) Cronq.
90BL00057 G pulchellum
92BL00140 E richardsonii Dougl. ex Lindl. var. richardsonii [Washington]
84BL00093 G rupicola (Piper) T.J. Howell
88BL00105 E rupicola (Piper) T.J. Howell [R.R. 70535 California]
91BL00356 E rupicola (Piper) T.J. Howell [United States (excl. Alaska)]
90BL00848 S rydbergii A. Nels. subsp. oreocharis [California]
72BL00081 I G serrulatus Menz. ex J.E. Sm.
73ZS00019 I G serrulatus Menz. ex J.E. Sm.
86BL00144 I G serrulatus Menz. ex J.E. Sm.
87BL00508 G serrulatus Menz. ex J.E. Sm.
87BL00565 S serrulatus Menz. ex J.E. Sm. [Br. Columbia incl. Charlotte Isl.]
86BL00160 I G smallii A.A. Heller
87BL00071 E spec. [Utah]
87BL00072 G spec.
92BL00834 G spec.
87BL00030 G strictus Benth.
91BL00992 S strictus Benth. [Arizona]
88BL00058 E I tracyi Keck [United States (excl. Alaska)]
90BL00612 G utahensis Eastwood
90BL00903 K venustus
87BL00550 G virens Pennell
88BL00029 G watsonii A. Gray
87BL00274 G whippleanus A. Gray
87BL00659 G whippleanus A. Gray
- Rhodochiton**
90GR00001 K atrosanguineus (Zucc.) Rothm.
- Scrophularia**
88ZS00001 E nodosa L. [W. Germany]
92ZS00146 E nodosa L. [Finland]
92ZS00169 E nodosa L. [Switzerland]
71ZS00118 I G umbrosa Dumort.
83BL00102 E vernalis L. [England]
91ZE00450 G vernalis L.

Scrophulariaceae

Synthyris

- 87BL00035 G E missurica (Raf.) Penn.
65BL00585 I G stellata Pennell

Tetranema

- 91GR01645 G roseum (Mart. & Gal.) Standl. & Steyerl.
92GR00283 G roseum (Mart. & Gal.) Standl. & Steyerl.

Verbascum

- 75BL00209 I E blattaria L. [England]
87BL00392 G chaixii Vill.
90BL00300 I S chaixii Vill. subsp. austriacum (Roem. & Schult.) Hayek
[Hungary]
87BL00457 G R dumulosum Davis & Hub.
92BL00771 K 'Letitia'
74ZE02145 G nigrum L.
68ZE02122 I E phlomoides L. [FROMME Macedonia]
69BL00389 I G phoeniceum L.

Veronica

- 83BL00042 E allionii Vill. [Alps]
84BL00300 E allionii Vill. [France]
88BL00175 E aphylla L. [Austria]
90BL00831 S aphylla L. [Switzerland]
90BL00024 G armena
71BL00105 I G austriaca L. subsp. austriaca
66BL00176 I G austriaca L. subsp. teucrium (L.) D.A. Webb
90BL01060 U caespitosa Boiss.
90BL01187 K caespitosa Boiss.
90BL01043 U cinerea Boiss. & Bal.
88BL00071 S fruticans Jacq. [Iceland]
88BL00186 E fruticans Jacq. [Norway]
88BL00277 E fruticans Jacq. [Spain]
89BL00053 E fruticans Jacq. [Norway]
65BL00202 I G fruticulosa L.
67BL00283 I G R gentianoides Vahl
67BL00161 G longifolia L.
67BL00289 I G longifolia L.
80ZS00065 I E longifolia L. [European Russia]
91ZS01747 U longifolia L.
84BL00475 G nipponica Mak.
79ZS00043 G officinalis L.
83BL00258 G orientalis Mill.
84BL00343 G orientalis Mill.
65BL00204 I G prostrata L.
92ZS00148 G prostrata L.
92ZS00320 S prostrata L. [Hungary]

Scrophulariaceae

- 92ZS00450 E prostrata L. [Italy]
 69BL00253 I G saturejoides Vis.
 71ZS00120 I G spicata L. subsp. incana (L.) Walters
 65BL00564 I G spicata L. subsp. spicata
 74ZS00026 I G spicata L. subsp. spicata
 80BL00087 G spicata L. subsp. spicata 'Heidekind'
 87BL00424 E subsessilis (Miq.) Carr. [Honshu]
 69BL00254 G R surculosa Boiss. & Bal.
 69BL00393 I G R turrilliana Stoj. & Stef.

Wulfenia

- 69BL00123 I G I baldaccii Degen
 66BL00018 I G carinthiaca Jacq.
 91ZS00230 E carinthiaca Jacq. [Austria]

Zaluzianskya

- 71ZE00811 I G capensis (Benth.) Walp.

Selaginellaceae

Selaginella

- 74GR00497 I G apoda (L.) C. Morr.
 74GR00495 I G braunii Bak.
 74GR00641 G grandis T. Moore
 65BL00649 G helvetica (L.) Link
 68GR01467 G kraussiana (Kunze) A. Br.
 74GR00642 G kraussiana (Kunze) A. Br. 'Aurea'
 74GR00643 G kraussiana (Kunze) A. Br. 'Variegata'
 74GR00496 I G martensii Spring
 70GR00223 I E pallescens (K.B. Presl) Spring [Costa Rica]
 74GR00644 G spec.
 75GR00244 E spec. [Ecuador]
 68GR01051 G umbrosa Lem. ex Hieron.
 68GR01469 I G uncinata (Desv. ex Poir.) Spring
 74GR00350 G willdenowii (Desv. ex Poir.) Bak.

Simaroubaceae

Ailanthus

- 00ZG02311 G R altissima (Mill.) Swingle
 00ZG02314 G R altissima (Mill.) Swingle
 61RD00506 G R altissima (Mill.) Swingle
 74RD00342 I G R altissima (Mill.) Swingle
 78RD00351 G altissima (Mill.) Swingle 'Erythrocarpa'
 77RD00592 G altissima (Mill.) Swingle 'Pendulifolia'
 81RD00207 G altissima (Mill.) Swingle var. sutchuense (Dode) Rehd. & Wils.

Simaroubaceae

- 64RD00335 G giraldii Dode
 64RD00216 G vilmoriniana Dode
 64RD00331 G vilmoriniana Dode
 74RD00329 G vilmoriniana Dode

Castela

- 67GR00050 I E tweedyi Planch. var. macrophylla Chodat & Hassl. [JCL
 2900 Brazil]

Picramnia

- 88GR00202 E spec. [FEUIL 10098 French Guiana]

Quassia

- 76GR00615 I E simarouba L.f. [L&HAAS 3 Suriname]

Smilacaceae

Eustrephus

- 68GR01536 I G latifolius R. Br. ex Sims

Geitonoplesium

- 74GR00344 I G cymosum (R. Br.) A. Cunn.

Lapageria

- 83GR00292 G rosea Ruiz & Pav.

Smilax

- 74GR00744 I G aspera L.
 76GR00633 I E cumanensis Humb. & Bonpl. ex Willd. [L&HAAS 2
Suriname]

Solanaceae

Atropa

- 73ZS00079 I G bella-donna L. var. bella-donna

Browallia

- 53ZE00921 I G americana L.

Brugmansia

- 76GR00586 I G x candida Pers.
 91GR01864 G spec.
 77GR00230 I G suaveolens (Humb. & Bonpl. ex Willd.) Bercht. & J.S. Presl
 91GR01357 I K suaveolens (Humb. & Bonpl. ex Willd.) Bercht. & J.S. Presl
 'Rosa Traum'

Solanaceae

- 68GR00799 I G **Brunfelsia**
americana L.
- 91ZE01251 K **Capsicum**
annuum L.
- 66GR01642 I E **Cestrum**
amicum Schlechtend. var. angustifolium Francey [JCL 1738
Brazil]
- 66GR01770 I E calycinum Willd. [JCL 1738 Brazil]
- 75GR00311 I G nocturnum L.
- 73GR00516 I G psittacinum Stapf
- 91GR01060 G **Cyphomandra**
crassicaulis (Ortega) Kuntze
- 53ZE01047 I G **Datura**
stramonium L. var. stramonium
- 91ZE01652 G stramonium L. var. stramonium
- 53ZE00922 I G stramonium L. var. tatula (L.) Torr.
- 53ZE01015 I G **Hyoscyamus**
niger L. var. niger
- 91ZE01608 G niger L. var. niger
- 57ZE00989 I G niger L. var. pallidus Waldst. & Kit.
- 64RD00310 G **Lycium**
barbarum L.
- 92RD00411 E barbarum L. [E. Germany]
- 92RD00530 E barbarum L. [Belgium]
- 64RD00199 G chinense Mill. var. chinense
- 82ZS00012 G V **Mandragora**
officinarum L.
- 88ZS00033 G V officinarum L.
- 53ZE00940 I G **Nicandra**
physalodes (L.) Gaertn.
- 92ZE00321 G physalodes (L.) Gaertn.
- 92ZE00349 G physalodes (L.) Gaertn.
- 91ZE00203 K **Nicotiana**
alata Link & Otto cv.
- 53ZE00925 I G langsdorffii Weinm. ex Roem. & Schult.
- 57ZE00312 I G rustica L.
- 91ZE01595 G rustica L.
- 53ZE00642 I G tabacum L.

Solanaceae

80GR00238 I E tomentosa Ruiz & Pav. [MAAS 4645 Peru]

Petunia

86GR00042 S violacea Lindl. [Paraguay]

Physalis

91ZS00474 E alkekengi L. var. alkekengi [E.Germany]

91ZS00560 E alkekengi L. var. alkekengi [Austria]

83ZE00357 I G ixocarpa Brot. ex Hornem.

Physochlaina

64BL00213 I G orientalis M.B.

Schizanthus

89ZE00003 I G pinnatus Ruiz. & Pav.

Scopolia

72BL00211 I G carniolica Jacq. var. carniolica

75ZS00040 I G lurida (Link) Dun.

Solandra

90GR01115 I G maxima (Sesse & Moc.) P.S. Green

90GR00176 N spec. [Ecuador]

Solanum

77RD00564 I G dulcamara L.

92RD00344 E dulcamara L. [W.Germany]

92RD00345 E dulcamara L. [W.Germany]

75GR00352 I E guianense Dunal [JCL 612 Suriname]

91ZE00171 K lycopersicum L. cv.

89ZE00023 G nigrum L. subsp. nigrum

91ZE01598 G nigrum L. subsp. nigrum

92GR01064 I G rantonnetii Carr. ex Lescuyer

57ZE00926 I G sisymbriifolium Lam.

79ZS00041 G tuberosum L., cv.

Stachyuraceae

Stachyurus

00ZG01390 G praecox Sieb. & Zucc. var. praecox

62RD00922 I G praecox Sieb. & Zucc. var. praecox

63RD00028 I G praecox Sieb. & Zucc. var. praecox

64RD00033 G praecox Sieb. & Zucc. var. praecox

79RD00547 G praecox Sieb. & Zucc. var. praecox

Staphyleaceae

Staphyleaceae

63RD00188	I G I	Staphylea	colchica Stev.
81RD00318	G I		colchica Stev.
62RD00568	G		holocarpa Hemsl.
81RD00095	E		holocarpa Hemsl. [<u>Zhejiang</u>]
61RD00009	I G		pinnata L.
61RD00242	I G		pinnata L.
61RD00837	E		trifolia L.
71RD00014	I G		trifolia L.

Sterculiaceae

87GR00028	G	Abroma	augusta (L.) L.f.
73GR00541	G	Brachychiton	acerifolius (A.Cunn.) F. Muell.
68GR01009	I G	Cola	caricifolia K.Schum.
79GR00002	G	Firmiana	simplex (L.) W.F.Wight
91GR01354	K	Fremontodendron	californicum (Torr.) Coville subsp. californicum
87GR00027	G	Theobroma	cacao L.. cv.
89GR00100	G		cacao L.. cv.

Strelitziaceae

88GR00189	E	Phenakospermum	guyannense (L.C.Rich.) Endl. ex Miq. [<u>GR&JJ French Guiana</u>]
88GR00216	E		guyannense (L.C.Rich.) Endl. ex Miq. [<u>French Guiana</u>]
91GR01064	G	Ravenala	madagascariensis Sonn.

Styracaceae

80RD00258	E	Alniphyllum	fortunei (Hemsl.) Perk. [<u>Zhejiang</u>]
		Halesia	

Styracaceae

- | | | |
|-----------|-----|---------------------------------------|
| 64RD00305 | I G | carolina L. var. carolina |
| 74RD00418 | I G | carolina L. var. carolina |
| 91RD00898 | K | carolina L. var. carolina |
| 92RD01107 | G | carolina L. var. carolina |
| 00ZG00121 | I G | carolina L. var. mollis (Lange) Perk. |
| 70RD00012 | I G | carolina L. var. mollis (Lange) Perk. |
| 70RD00013 | I G | monticola (Rehd.) Sarg. |
| 74RD00379 | I G | monticola (Rehd.) Sarg. |
| 74RD00331 | I G | monticola (Rehd.) Sarg. 'Rosea' |

Pterostyrax

- | | | |
|-----------|-----|-------------------------|
| 79RD00111 | I G | corymbosa Sieb. & Zucc. |
| 86RD00329 | K | corymbosa Sieb. & Zucc. |

Styrax

- | | | |
|-----------|-----|-------------------------------------------|
| 00ZG01006 | I G | japonica Sieb. & Zucc. |
| 60RD00676 | I G | japonica Sieb. & Zucc. |
| 81RD00302 | E | japonica Sieb. & Zucc. [<u>S.Korea</u>] |
| 00ZG00964 | I G | obassia Sieb. & Zucc. |
| 00ZG00977 | G | obassia Sieb. & Zucc. |

Symplocaceae

Symplocos

- | | | |
|-----------|-----|--------------------------------------------------------------------------------|
| 87RD00120 | G | chinensis (Lour.) Druce var. leucocarpa (Nakai) Ohwi f.
pilosa (Nakai) Ohwi |
| 80RD00514 | E | glauca (Thunb.) Koedz. var. glauca [<u>Honshu</u>] |
| 00ZG00909 | I G | paniculata (Thunb.) Miq. |
| 00ZG00910 | G | paniculata (Thunb.) Miq. |
| 84RD00440 | E | paniculata (Thunb.) Miq. [<u>B.E.C. S.Korea</u>] |

Taccaceae

Tacca

- | | | |
|-----------|---|---------------------------------------------|
| 90GR00146 | E | leontopetaloides [<u>Papua Nw Guinea</u>] |
| 90GR00050 | G | plantaginea |
| 90GR00184 | G | plantaginea |

Tamaricaceae

Myricaria

- | | | |
|-----------|---|----------------------|
| 90RD00236 | K | germanica (L.) Desv. |
|-----------|---|----------------------|

Tamarix

- | | | |
|-----------|---|-----------------------------------|
| 90RD00244 | K | ramosissima Ledeb. 'Pink Cascade' |
| 91RD00944 | K | ramosissima Ledeb. 'Rosea' |
| 90RD00245 | K | tetrandra Pall. ex M.B. |

Taxaceae

Taxaceae

		Taxus	
00ZG02372	G	baccata L.	
00ZG02767	G	baccata L.	
00ZG03079	G	baccata L.	
00ZG03281	G	baccata L.	
00ZG03282	G	baccata L.	
00ZG03284	G	baccata L.	
61RD00126	G	baccata L.	
63RD00425	G	baccata L.	
78RD01069	G	baccata L.	
00ZG00572	G	baccata L. 'Adpressa'	
83RD00360	G	baccata L. 'Adpressa'	
00ZG00728	G	baccata L. 'Adpressa Aurea'	
00ZG00573	G	baccata L. 'Adpressa Erecta'	
00ZG00575	G	baccata L. 'Adpressa Erecta'	
00ZG00574	G	baccata L. 'Albovariegata'	
00ZG00729	G	baccata L. 'Amersfoort'	
65RD00211	G	baccata L. 'Amersfoort'	
90RD01101	K	baccata L. 'Amersfoort'	
00ZG01667	G	baccata L. 'Aureovariegata'	
77RD00212	G	baccata L. 'Barmerstedter-Type I'	
00ZG01683	G	baccata L. 'Cappenberg'	
00ZG00577	G	baccata L. 'Cavendishii'	
00ZG01680	G	baccata L. 'Cheshuntensis'	
85RD00399	G	baccata L. 'Compacta'	
00ZG00578	G	baccata L. 'Conica'	
00ZG00733	G	baccata L. 'Corona'	
00ZG00732	G	baccata L. 'Cristata'	
63RD00399	I G	baccata L. 'Dovastoniana'	
00ZG00580	G	baccata L. 'Dovastonii Aurea'	
00ZG02077	G	baccata L. 'Dovastonii Aurea'	
00ZG03277	G	baccata L. 'Dovastonii Aurea'	
00ZG00735	G	baccata L. 'Dwarf White'	
77RD00262	G	baccata L. 'Elegantissima'	
79RD00571	G	baccata L. 'Elegantissima'	
00ZG00581	G	baccata L. 'Erecta Aureovariegata'	
00ZG00779	G	baccata L. 'Ericoides'	
00ZG01250	G	baccata L. 'Ericoides'	
00ZG01245	G	baccata L. 'Fastigiata'	
00ZG02770	G	baccata L. 'Fastigiata'	
81RD00377	G	baccata L. 'Fastigiata'	
00ZG01678	G	baccata L. 'Fastigiata Aurea'	
81RD00378	G	baccata L. 'Fastigiata Aurea'	
00ZG01243	G	baccata L. 'Fastigiata Nova'	
00ZG00736	G	baccata L. 'Fastigiata Robusta'	

Taxaceae

00ZG00582	G	baccata L. 'Fastigiata Viridis'
00ZG02222	G	baccata L. 'Giraldii'
00ZG00583	G	baccata L. 'Glauca'
86RD00450	K	baccata L. 'Gold Haze'
00ZG01182	G	baccata L. 'Goud Elsje'
00ZG00584	G	baccata L. 'Gracilis Pendula'
00ZG00585	G	baccata L. 'Hessei'
00ZG00586	G	baccata L. 'Horizontalis'
00ZG02064	G	baccata L. 'Horizontalis'
00ZG02065	G	baccata L. 'Horizontalis'
00ZG00587	G	baccata L. 'Horsholmii'
00ZG00738	G	baccata L. 'Imperialis'
00ZG00588	G	baccata L. 'Jacksonii'
00ZG02223	G	baccata L. 'Major'
00ZG03152	G	baccata L. 'Major'
00ZG00589	G	baccata L. 'Nana'
00ZG00778	G	baccata L. 'Newport'
00ZG00739	G	baccata L. 'Nissen's Kadett'
00ZG01679	G	baccata L. 'Nissen's Kadett'
77RD00264	G	baccata L. 'Nissen's Kadett'
77RD00263	G	baccata L. 'Nissen's President'
00ZG00590	G	baccata L. 'Nutans'
00ZG01338	G	baccata L. 'Nutans'
00ZG01339	G	baccata L. 'Nutans'
00ZG01340	G	baccata L. 'Nutans'
85RD00400	G	baccata L. 'Nutans'
00ZG01676	G	baccata L. 'Overeynderi'
00ZG01677	G	baccata L. 'Page'
00ZG01682	G	baccata L. 'Pendula'
00ZG00742	G	baccata L. 'Pendula Graciosa'
00ZG00744	G	baccata L. 'Procumbens'
00ZG01496	G	baccata L. 'Prostrata'
00ZG01190	G	baccata L. 'Raket'
00ZG00745	G	baccata L. 'Regent'
00ZG00591	G	baccata L. 'Repandens'
00ZG02066	G	baccata L. 'Repandens'
00ZG02067	G	baccata L. 'Repandens'
00ZG02068	G	baccata L. 'Repandens'
00ZG02069	G	baccata L. 'Repandens'
00ZG02774	G	baccata L. 'Repandens'
63RD00383	I G	baccata L. 'Repandens'
00ZG01681	G	baccata L. 'Semperaurea'
63RD00396	G	baccata L. 'Semperaurea'
00ZG00261	G	baccata L. 'Standishii'
00ZG00592	G	baccata L. 'Standishii'
61RD01021	G	baccata L. 'Stricta'
63RD00406	G	baccata L. 'Stricta'

Taxaceae

- 00ZG01189 G baccata L. 'Summergold'
 00ZG01684 G baccata L. 'Tiele'
 00ZG02210 G baccata L. 'Washingtonii'
 00ZG00731 G baccata L. 'Weeping Curl'
 90RD00210 K baccata L. 'Wojtek'
 79RD00157 E brevifolia Nutt. [Oregon]
 88RD00025 E brevifolia Nutt. [RR&KZ 70693 California]
 61RD00227 G canadensis Marsh.
 78RD00039 G celebica (Warb.) Li
 86RD00422 K celebica (Warb.) Li
 60RD00705 G I cuspidata Sieb. & Zucc.
 62RD00085 E I cuspidata Sieb. & Zucc.
 00ZG01497 G cuspidata Sieb. & Zucc. 'Capitata Aurea'
 00ZG00597 G cuspidata Sieb. & Zucc. 'Columnaris'
 77RD00265 G cuspidata Sieb. & Zucc. 'Expansa'
 00ZG00593 G cuspidata Sieb. & Zucc. 'Luteobaccata'
 00ZG01685 G cuspidata Sieb. & Zucc. 'Nana'
 79RD00613 G cuspidata Sieb. & Zucc. 'Nana'
 79RD00614 G cuspidata Sieb. & Zucc. 'Nana'
 79RD00615 G cuspidata Sieb. & Zucc. 'Nana'
 00ZG01178 G cuspidata Sieb. & Zucc. 'Ovata'
 00ZG01181 G cuspidata Sieb. & Zucc. 'Pyramidalis'
 00ZG01184 G cuspidata Sieb. & Zucc. 'Robusta'
 00ZG00750 G x media Rehd.
 72RD00275 G x media Rehd. 'Bean Pole'
 00ZG00730 G x media Rehd. 'Densiformis'
 00ZG01216 G x media Rehd. 'Densiformis'
 00ZG01176 G x media Rehd. 'Grandifolia'
 00ZG00748 G x media Rehd. 'Hicksii'
 72RD00056 G x media Rehd. 'Hicksii'
 00ZG01686 G x media Rehd. 'Hillii'
 00ZG00749 G x media Rehd. 'Kelseyi'
 00ZG02224 G x media Rehd. 'Moon Erecta'
 00ZG00746 G x media Rehd. 'Nidiformis'
 00ZG01177 G x media Rehd. 'Nigra'
 72RD00276 G x media Rehd. 'Pillaris'
 00ZG00596 G x media Rehd. 'Thayerae'
 00ZG01687 G x media Rehd. 'Thayerae'
 00ZG02076 G x media Rehd. 'Thayerae'
 00ZG00858 G x media Rehd. 'Wellesleyana'
 00ZG01246 G wallichiana Zucc. var. chinensis (Pilg.) Florin

Torreya

- 86RD00294 G californica Torr.
 00ZG01293 G nucifera (L.) Sieb. & Zucc.
 00ZG01504 G nucifera (L.) Sieb. & Zucc.
 72RD00060 G nucifera (L.) Sieb. & Zucc.

Taxodiaceae

Cryptomeria

74RD00225	I G	japonica (L.f.) D.Don
1 of 13 accessions sharing this taxon are listed above		
00ZG00439	G	japonica (L.f.) D.Don 'Araucarioides'
00ZG02028	G	japonica (L.f.) D.Don 'Araucarioides'
00ZG02687	G	japonica (L.f.) D.Don 'Araucarioides'
00ZG02030	G	japonica (L.f.) D.Don 'Aurea'
71RD00195	G	japonica (L.f.) D.Don 'Aurea'
00ZG00440	G	japonica (L.f.) D.Don 'Bandai-Sugi'
00ZG01365	G	japonica (L.f.) D.Don 'Bandai-Sugi'
00ZG00216	G	japonica (L.f.) D.Don 'Compacta'
00ZG00218	G	japonica (L.f.) D.Don 'Cristata'
00ZG01922	G	japonica (L.f.) D.Don 'Cristata'
00ZG01923	G	japonica (L.f.) D.Don 'Cristata'
00ZG01924	G	japonica (L.f.) D.Don 'Cristata'
60RD00768	I G	japonica (L.f.) D.Don 'Cristata'
00ZG01428	G	japonica (L.f.) D.Don 'Cristata Falcata'
00ZG00219	G	japonica (L.f.) D.Don 'Dacrydioides'
00ZG01918	G	japonica (L.f.) D.Don 'Dacrydioides'
00ZG01920	G	japonica (L.f.) D.Don 'Dacrydioides'
00ZG02683	G	japonica (L.f.) D.Don 'Dacrydioides'
00ZG00869	G	japonica (L.f.) D.Don 'Elegans'
00ZG00246	G	japonica (L.f.) D.Don 'Elegans Viridis'
00ZG00441	G	japonica (L.f.) D.Don 'Elegans Viridis'
00ZG01429	G	japonica (L.f.) D.Don 'Fasciata'
00ZG00442	G	japonica (L.f.) D.Don 'Globosa'
00ZG01900	G	japonica (L.f.) D.Don 'Globosa'
00ZG01901	G	japonica (L.f.) D.Don 'Globosa'
00ZG01902	G	japonica (L.f.) D.Don 'Globosa'
00ZG01903	G	japonica (L.f.) D.Don 'Globosa'
00ZG01904	G	japonica (L.f.) D.Don 'Globosa'
00ZG01905	G	japonica (L.f.) D.Don 'Globosa'
00ZG01907	G	japonica (L.f.) D.Don 'Globosa'
00ZG01908	G	japonica (L.f.) D.Don 'Globosa'
00ZG00235	G	japonica (L.f.) D.Don 'Gracilis'
00ZG00234	G	japonica (L.f.) D.Don 'Jindai-Sugi'
00ZG00614	G	japonica (L.f.) D.Don 'Jindai-Sugi'
77RD00228	G	japonica (L.f.) D.Don 'Kohijiyatsubusa'
77RD00229	G	japonica (L.f.) D.Don 'Kohuyu-Sugi'
79RD00639	G	japonica (L.f.) D.Don 'Lobbii Nana'
00ZG00443	G	japonica (L.f.) D.Don 'Monstrosa'
00ZG01312	G	japonica (L.f.) D.Don 'Nana'
79RD00647	G	japonica (L.f.) D.Don 'Nana'
90RD01100	K	japonica (L.f.) D.Don 'Nana'
77RD00227	G	japonica (L.f.) D.Don 'Osaka Tama-Sugi'

Taxodiaceae

- 00ZG00831 G japonica (L.f.) D.Don 'Pyramidata'
 86RD00437 K japonica (L.f.) D.Don 'Rasen'
 86RD00427 K japonica (L.f.) D.Don 'Sekkan'
 80RD00087 E japonica (L.f.) D.Don var. *sinensis* Sieb. & Zucc. [Zhejiang]
 00ZG01434 G japonica (L.f.) D.Don 'Taisho Tama-Sugi'
 00ZG00821 G japonica (L.f.) D.Don 'Vilmoriniana'
 00ZG01433 G japonica (L.f.) D.Don 'Yata Dusa'
 00ZG00822 G japonica (L.f.) D.Don 'Yoshino'

Cunninghamia

- 00ZG00035 G V konishii Hayata
 80RD00501 E V konishii Hayata [Taiwan (incl. Penghuleidao & Lan Yu)]
 00ZG00033 G lanceolata (Lamb.) W.J. Hook.
 00ZG01396 G lanceolata (Lamb.) W.J. Hook.
 00ZG02154 I G lanceolata (Lamb.) W.J. Hook.
 63RD00433 G lanceolata (Lamb.) W.J. Hook.
 78RD01010 E lanceolata (Lamb.) W.J. Hook. [Guangdong & Guangzhou (excl. Hainan)]
 00ZG01308 G lanceolata (Lamb.) W.J. Hook. 'Glauca'

Glyptostrobus

- 75GR00290 G lineatus (Poir.) Druce

Metasequoia

- 00ZG00126 N R glyptostroboides Hu & Cheng
 00ZG00568 G R glyptostroboides Hu & Cheng
 61RD01676 I E R glyptostroboides Hu & Cheng [China]
 70RD00198 I N R glyptostroboides Hu & Cheng
 78RD00794 G R glyptostroboides Hu & Cheng

Sciadopitys

- 70RD00035 G verticillata (Thunb.) Sieb. & Zucc.
 1 of 15 accessions sharing this taxon are listed above

Sequoia

- 00ZG01022 G sempervirens (D. Don) Endl.
 71RD00073 G sempervirens (D. Don) Endl.
 72RD00135 G sempervirens (D. Don) Endl.
 83RD00362 G sempervirens (D. Don) Endl.

Sequoiadendron

- 00ZG00106 I G giganteum (Lindl.) Buchh.
 00ZG02682 G giganteum (Lindl.) Buchh.
 00ZG02684 G giganteum (Lindl.) Buchh.
 00ZG03021 G giganteum (Lindl.) Buchh.
 00ZG03035 G giganteum (Lindl.) Buchh.
 70RD00193 I G giganteum (Lindl.) Buchh.

Taxodiaceae

- 72RD00067 I G giganteum (Lindl.) Buchh.
 00ZG00238 G giganteum (Lindl.) Buchh. 'Glaucum'
 00ZG02029 G giganteum (Lindl.) Buchh. 'Glaucum'
 86RD00267 G giganteum (Lindl.) Buchh. 'Nana'
 91RD01403 K giganteum (Lindl.) Buchh. 'Pendulum'

Taiwania

- 80RD00505 E I cryptomerioides Hayata [Taiwan (incl. Penghuleidao & Lan Yu)]

Taxodium

- 90RD00246 K distichum (L.) L.C. Rich. var. distichum
 1 of 18 accessions sharing this taxon are listed above
 72RD00204 I G distichum (L.) L.C. Rich. var. distichum 'Fastigiatum'
 00ZG00569 G distichum (L.) L.C. Rich. var. nutans (Ait.) Sweet
 00ZG01878 G distichum (L.) L.C. Rich. var. nutans (Ait.) Sweet
 72RD00080 G distichum (L.) L.C. Rich. var. nutans (Ait.) Sweet

Theaceae

Camellia

- 89RD00002 K japonica L. 'Campbellii'
 89RD00003 K japonica L. 'Chanderi Elegans'
 75GR00142 G japonica L. cv.
 89RD00001 K japonica L. 'Debbie'
 75GR00139 I G sasanqua Thunb.
 73GR00478 G R sinensis (L.) O.Kuntze

Franklinia

- 92GR00533 G X alatomaha Marshall

Gordonia

- 69GR00226 I G axillaris (Roxb. ex Ker) D.Dietr.

Stewartia

- 77RD00268 G monadelpha Sieb. & Zucc.
 92RD01105 G monadelpha Sieb. & Zucc.
 74RD00496 I G pseudocamellia Maxim. var. pseudocamellia

Thelypteridaceae

Thelypteris

- 82BL00324 E limbosperma (All.) H.P.Fuchs [H.- 6530 England]
 68GR00510 I G subpubescens (Bl.) Reed

Theophrastaceae

Theophrastaceae

Clavija

- 77GR00046 I E lancifolia Desf. [L&EAM 64 Suriname]
 66GR01776 V E nutans (Vell. Conc.) Stahl [L&HAAS S16 Brazil]
 74GR00722 V E pungens (Roemer & Schultes) Decne. [PL 4601 Ecuador]

Deherainia

- 72GR00065 I G smaragdina Decne.

Jacquinia

- 68GR00936 I G aurantiaca Ait.

Thunbergiaceae

Thunbergia

- 74GR00748 I G coccinea (Nees) Wall.

Thymelaeaceae

Daphne

- 86RD00133 G acutiloba Rehd.
 87RD00050 G acutiloba Rehd.
 66BL00437 I G alpina L.
 84RD00168 G alpina L.
 87BL00194 E alpina L. [Italy]
 87BL00222 S alpina L.
 90BL01153 R arbuscula Celak.
 92BL00866 G R arbuscula Celak.
 65BL00056 I G blagayana Freyer
 64BL00362 I G cneorum L.
 86RD00181 G cneorum L. 'Major'
 87BL00317 S giraldii Nitsche
 83RD00198 E gnidium L. [Italy]
 92RD00898 G kosaninii (Stoj.) Stoj.
 69BL00399 I G laureola L. subsp. laureola
 79RD00038 S laureola L. subsp. laureola [Switzerland]
 78RD00081 E mezereum L. [Switzerland]
 84RD00110 E mezereum L. [Italy]
 84RD00121 E mezereum L. [Belgium]
 84RD00126 E mezereum L. [Sweden]
 91RD00927 K mezereum L.
 65RD00262 G mezereum L. 'Alba'
 86RD00182 G oleoides Schreb.
 87RD00035 E oleoides Schreb. [Turkey (Asia Minor)]
 92RD00881 G oleoides Schreb.
 87RD00176 G pontica L.
 84RD00293 G pseudo-mezereum A.Gray
 86RD00193 G pseudo-mezereum A.Gray

Thymelaeaceae

- 79RD00076 G retusa Hemsl.
 81RD00448 G spec.
 88RD00008 G tangutica Maxim.
 84RD00429 G x thauma Farr.

Wikstroemia

- 79GR00066 E pulcherrima Skotts. [Hawaii]

Tiliaceae

Grewia

- 86RD00318 K biloba G. Don var. parviflora (Bunge) Hand.-Mazz.

Sparmannia

- 72GR00293 G africana L.f.

Tilia

- 00ZG00103 G americana L.
 61RD00780 G americana L.
 62RD00870 G amurensis Rupr.
 81RD00303 E amurensis Rupr. [S. Korea]
 60RD00406 G cordata Mill.
 79RD00392 I K cordata Mill. 'Erecta'
 90RD01081 G cordata Mill. 'Gayeri'
 00ZG01776 G cordata Mill. 'Rancho'
 79RD00398 G x euchlora K. Koch
 62RD00469 G insularis Nakai
 60RD00509 I G mandshurica Rupr. & Maxim.
 63RD00055 G miqueliana Maxim.
 00ZG00129 G petiolaris DC.
 00ZG01742 I G platyphyllos Scop. 'Orebro'
 00ZG00972 G platyphyllos Scop. var. platyphyllos
 00ZG00973 G platyphyllos Scop. var. platyphyllos
 62RD00468 I G platyphyllos Scop. var. platyphyllos
 71RD00080 I G platyphyllos Scop. var. platyphyllos
 85RD00315 K platyphyllos Scop. 'Rubra'
 00ZG00130 I G tomentosa Moench
 00ZG01113 G tomentosa Moench
 90RD01079 G tomentosa Moench 'Szeleste'
 90RD01080 G tomentosa Moench 'Wagner János'
 62RD00475 G tuan Szysz.
 00ZG01005 I G x vulgaris Hayne 'Wratislaviensis'

Triumfetta

- 91GR01699 G pilosa Roth
 92GR00079 E spec. [WOLB 91-052 W. Bengal]

Tropaeolaceae

Tropaeolaceae

- 56ZE02161 I G
56ZE02149 I G
75ZS00052 I G

Tropaeolum
majus L.
peregrinum L.
speciosum Poepp. & Endl.

Typhaceae

- 75ZS00055 G
75ZS00056 G
91ZS00190 G

Typha
angustifolia L.
latifolia L.
minima Funck ex Hoppe

Ulmaceae

- 74GR00353 G
81RD00394 E K
63RD00298 G
90RD00544 E
00ZG00112 G
84RD00179 G
85RD00104 G
85RD00190 E
79RD00096 G
62RD00757 G
76RD00026 G
79RD00099 G
83RD00242 E
77RD00287 G
92RD01108 G
80RD00544 E
61RD01150 G
61RD00591 G

Celtis
biondii Pampan.
caucasica Willd. [Uzbekistan]
jessoensis Koidz.
jessoensis Koidz. [Japan]
koraiensis Nakai
koraiensis Nakai
koraiensis Nakai
koraiensis Nakai [S. Korea]
occidentalis L. var. cordata (Pers.) Willd.
occidentalis L. var. occidentalis
occidentalis L. var. occidentalis
occidentalis L. var. occidentalis
occidentalis L. var. occidentalis [Pennsylvania]
reticulata Torr.
sinensis Pers.
spec. [A 7 Kentucky]
tenuifolia Nutt.
tournefortii Lam.

- 76RD00194 I G
91RD00900 K

Hemiptelea
davidii (Hance) Planch.
davidii (Hance) Planch.

- 84RD00007 G R

Pteroceltis
tatarinowii Maxim.

- 78RD00992 G
85RD00316 K
61RD01056 G

Ulmus
x elegantissima Horw. 'Jacqueline Hillier'
x elegantissima Horw. 'Jacqueline Hillier'
glabra Huds.

Ulmaceae

92RD00166	K	x hollandica 'Belgica'
72RD00202	G	laevis Pall.
74GR00761	I E	lanceifolia Roxb. ex Wall. [Nepal]
83RD00034	U	parvifolia Jacq.
84RD00063	G	parvifolia Jacq.
88RD00282	K	parvifolia Jacq. 'Aurea'
88RD00283	K	parvifolia Jacq. 'Geisha'
88RD00284	K	procera Salisb. 'Argenteovariegata'
80RD00543	E	spec. [A 64 Kentucky]

Zelkova

77RD00044	G	carpinifolia (Pall.) K.Koch
91RD00912	K	carpinifolia (Pall.) K.Koch
86RD00126	G	schneideriana Hand.-Mazz.
91RD00913	K	schneideriana Hand.-Mazz.
72RD00200	G	serrata (Thunb.ex Murr.) Mak.
88RD00234	E	serrata (Thunb.ex Murr.) Mak. [S.Korea]
92RD00266	E	serrata (Thunb.ex Murr.) Mak. [Kyushu & Tsushima]
91RD00914	K	verschaffeltii (Dipp.) Nichols.

Urticaceae

Boehmeria

73GR00214	I G	nivea (L.) Gaudich.
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Laportea

75ZS00115	I G	canadensis (L.) Wedd.
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Parietaria

91ZS00811	I E	judaica L. [France]
75ZS00116	I G	officinalis L.
92ZS00292	E	officinalis L. [E.Germany]
92ZS00532	E	officinalis L. [France]

Pilea

74GR00668	I G	cadieriei Gagnep. & Guill.
68GR00777	V G	grandifolia Bl.
68GR00929	G	spec.
68GR01321	G	spruceana Wedd.
77GR00106	G	spruceana Wedd. 'Norfolk'
68GR01017	I G	spruceana Wedd. 'Silver Tree'

Urera

83GR00262	E	baccifera (L.) Gaudich. ex Wedd. [BG 1500 Venezuela]
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Urtica

54ZE02481	I G	pilulifera L.
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Valerianaceae

Valerianaceae

Centranthus

- 62ZE02127 I G calcitrapae (L.) Dufresne subsp. calcitrapae
 71ZE01430 I G macrosiphon Boiss.
 75BL00219 I G ruber (L.) DC. subsp. ruber
 91ZS00567 G ruber (L.) DC. subsp. ruber
 91ZS00838 I E ruber (L.) DC. subsp. ruber [Italy]

Fedia

- 70ZE02101 I G cornucopiae (L.) Gaertn.

Patrinia

- 66BL00455 I G gibbosa Maxim.
 90BL00116 G intermedia Roem. & Schult.
 75BL00197 I G scabiosifolia Fisch.
 66BL00360 I G triloba Miq. var. palmata (Maxim.) Hara

Valeriana

- 62BL00302 I G alliarifolia Adams
 77BL00078 E dioica L.
 90BL00629 S globularifolia Ramond ex DC. [France]
 87BL00277 G montana L.
 70ZS00029 I G officinalis L.
 86BL00267 G supina Ard.
 76BL00023 I G tuberosa L.
 76BL00103 I E versifolia Bruegg. [France]

Valerianella

- 54ZE02123 I G carinata Loisel.
 91ZE01599 G locusta (L.) Laterrada

Velloziaceae

Barbacenia

- 87GR00226 E macrantha Lemaire [Minas Gerais]

Talbotia

- 78GR00137 I G elegans Balf.

Verbenaceae

Aegiphila

- 66GR01771 I E candelabrum Briq. [L&HAAS S16 Brazil]

Callicarpa

- 73RD00011 G bodinieri Levl. var. giraldii (Hesse ex Rehd.) Rehd.

Verbenaceae

- 'Profusion'
 61RD00324 G dichotoma (Lour.) K. Koch
 63RD00286 G japonica Thunb. var. japonica
 74GR00759 I G longifolia Lam.
- Caryopteris**
 91RD00282 K x clandonensis Simmonds ex Rehd. 'Heavenly Blue'
 91RD00288 K x clandonensis Simmonds ex Rehd. 'Kew Blue'
 91RD00280 K incana (Thunb. ex Houtt.) Miq.
- Citharexylum**
 70GR00107 I E montevidense (Spreng.) Mold. [JCL 6255 Brazil]
- Clerodendrum**
 75GR00310 I G bungei Steud.
 76GR00157 I G fragrans (Vent.) R.Br. 'Pleniflorum'
 76GR00095 I G x speciosum hort.
 67GR00373 G thomsoniae Balf.
 86RD00310 K trichotomum Thunb. var. fargesii (Dode) Rehd.
 71RD00199 I G trichotomum Thunb. var. trichotomum
 79RD00468 G trichotomum Thunb. var. trichotomum
 73GR00736 I E umbellatum Poir. [W 9113 Tropical Africa]
- Duranta**
 64GR00160 E erecta L. [SAB 6 Suriname]
 90GR00358 E mutisii L.f. [Colombia]
- Gmelina**
 76GR00594 I G asiatica L.
- Lantana**
 65BL00606 I G camara L.
 78GR00210 G camara L. cv.
 78GR00211 G camara L. 'Naide'
 78GR00212 G camara L. 'Professor Raoux'
 91GR01252 G kisi A. Rich.
 87GR00280 I G montevidensis (K.Spreng.) Briq.
- Lippia**
 73GR00522 G turbinata Griseb.
- Petrea**
 88GR00260 E volubilis L. [LUKK. St. Eustatius]
- Phryma**
 83ZS00005 E leptostachya L. [Quebec]

Verbenaceae

Stachytarpheta

- 88GR00093 G cayennensis (L.C. Rich.) Vahl
 74GR00341 I E jamaicensis (L.) Vahl [FROMME 3 Philippines]

Verbena

- 84ZE02515 K bonariensis L.
 72ZE02157 I G canadensis (L.) Britt.
 88ZS00017 S hastata L. [Canada]
 89ZE00032 K x hybrida Grönl. & Rpl. cv.
 75GR00138 I G litoralis H.B.K.
 80ZE02121 I E officinalis L. [THEILE 1 Corsica]
 92ZE00173 E officinalis L. [France]
 72ZE02197 I G rigida Spreng.

Vitex

- 66GR01610 I E megapotamica (Spreng.) Moldenke [JCL L13804 Brazil]
 76GR00082 I G negundo L. var. negundo

Violaceae

Corynostylis

- 76GR00629 I E arborea (L.) Baill. [JCL&H 297 Suriname]

Hybanthus

- 91GR00877 I S communis (St.-Hil.) Taub. [Paraguay]

Hymenanthera

- 76GR00088 I G crassifolia J.D. Hook.

Melicytus

- 78GR00281 I G ramiflorus J.R. & G. Forst.

Viola

- 86BL00210 E adunca [Alberta]
 90BL00058 G adunca
 88BL00116 G bertolonii Pio
 81BL00225 I G canadensis L. var. rugulosa (E.Greene) C.L.Hitchc.
 86BL00510 E canina L. [The Netherlands]
 92ZS00327 E canina L. [Finland]
 91ZS00206 K cornuta L.
 86BL00424 K crassa Mak.
 74BL00019 I E cucullata Ait. [Switzerland]
 75GR00239 G hederacea Labill.
 65BL00261 I G labradorica Schrank
 84BL00190 I G labradorica Schrank
 84BL00371 G labradorica Schrank
 71BL00263 I G lutea Huds. subsp. lutea

Violaceae

89BL00134	U	manshurica W.Becker
72BL00233	E	mirabilis L.
74BL00082	I E	odorata L. [W.Germany]
88BL00083	E	pubescens Ait. var. peckii House [Canada]
90BL00145	E	reichenbachiana [Belgium]
66BL00449	I G	riviniana Rchb.
65BL00307	G	rupestris F.W.Schmidt subsp. rupestris
92ZS00353	G	sororia Willd.
85BL00289	G	spec.
92BL00392	S R	stojanowii Becker
84ZE02516	K	tricolor L. subsp. tricolor
91ZE01600	G	tricolor L. subsp. tricolor

Vitaceae

Ampelopsis		
71RD00088	I G	acutifolia Bunge
65RD00197	I G	brevipedunculata (Maxim.) Trautv.
61RD00058	I G	brevipedunculata (Maxim.) Trautv. 'Citrulloides'
65RD00201	G I	japonica (Thunb.) Mak.

Cissus		
77GR00060	G	njegerre Gilg
68GR00973	I G K	quadrangula L.

Cyphostemma		
76GR00419	I G	juttae (Dint. & Gilg) Desc.

Parthenocissus		
62RD00541	G	inserta (Kerner) Fritsch
90RD00238	K	quinquefolia (L.) Planch. var. engelmannii (Koehe & Graebn.) Rehd.
87GR00003	S	spec. [GUIZ 198 Guizhou]

Tetrastigma		
68GR00865	I G	voinieranum (Baltet) Pierre ex Gagnep.

Vitis		
84RD00359	K	'Boskoop Glory'
91RD00964	K	coignetiae Pulliat ex Planch.
63RD00352	G	flexuosa Thunb.
63RD00284	I G	palmata Vahl
62RD00467	G	rupestris Scheele
84RD00358	K	'Vroege Van Der Laan'
90RD01197	K	'Witte van der Laan'

Winteraceae

- Drimys**
91GR00279 G winteri J.R. & G. Forst. var. winteri

Xyridaceae

- Xyris**
90GR00027 G caroliniana var. major
90GR00026 G macrocephala

ZINGIBERACEAE

Introduction

For a number of years monographic studies were carried out on neotropical genera of *Zingiberaceae*, e.g. *Costus*, *Dimerocostus*, and *Renalmia*.

This is a well-documented collection which has been built up from material collected during field work. After the research was terminated, the collection was reduced, keeping only valuable specimens of all species.

Aims

The continuing preservation of the neotropical representatives of *Zingiberaceae* as a reference collection.

Location

The collection is housed in the greenhouse complex.

Publications

Maas 1972; 1977.

Zingiberaceae

- Alpinia**
68GR00198 S E pterocalyx K. Schum. [New Guinea]
68GR00963 S G pumila J.D. Hook.
73GR00354 S G zerumbet (Pers.) B.L. Burtt & R.M. Sm.

- Boesenbergia**
68GR00792 S G pandurata (Roxb.) Schlechter

Zingiberaceae

- Brachychilum**
68GR00234 S G horsfieldii (R.Br. ex Wall.) O.G.Peters.
- Cautleya**
73GR00013 S G gracilis (J.J.Sm.) Dandy
- Costus**
72GR00347 S E amazonicus (Loes.) Macbr. subsp. krukovii Maas [Brazil]
68GR00197 S E arabicus L. [Brazil]
74GR00401 S E barbatus Suessenguth [MAAS 1372 Costa Rica]
91GR01861 S E claviger R. Benoist [MAAS Guyana]
69GR00160 S E comosus (Jacq.) Rosc. x C. spiralis (Jacq.) Rosc. [VR&AK Venezuela]
68GR00227 S G cuspidatus (Nees & Mart.) Maas
80GR00128 S E dirzoi Garcia M. & Ibarra [V.R.D. 812 Oaxaca]
79GR00023 S G dubius (Afzel.) K.Schum.
82GR00109 S U englerianus K.Schum.
74GR00415 S E glaucus Maas [MAAS 1462 Costa Rica]
86GR00163 S G globosus Bl.
74GR00682 S E guanaiensis Rusby var. tarmicus (Loes.) Maas [PL 4455 Ecuador]
80GR00271 S E laevis Ruiz & Pav. [MAAS 4739 Ecuador]
91GR00424 S E lasius Loes. [MAAS 7880 Costa Rica]
89GR00087 S E laterifolius Baker [Ghana]
74GR00553 S E I leucanthus Maas [MAAS 1920 Colombia]
86GR00130 S E I leucanthus Maas [MAAS 6527 Colombia]
74GR00544 S E leucanthus Maas x C. laevis Ruiz & Pav. [MAAS 1968 Colombia]
92GR00188 S E megalobracteata K.Schum. [Ivory Coast]
91GR00426 S E R montanus Maas [MAAS 7951 Costa Rica]
68GR00233 S E scaber Ruiz & Pav. [M&PAF Suriname]
77GR00087 S E scaber Ruiz & Pav. [PL 6404 Colombia]
82GR00128 S E scaber Ruiz & Pav. [SG 302 Guyana]
72GR00353 E spec. [P 12826 Acre]
74GR00618 E spec. [PL 4396 Colombia]
74GR00729 E spec. [PL 4709 Peru]
76GR00634 E spec. [ZARR 2253 Colombia]
82GR00074 E spec. [SOLO 734 Bolivia]
82GR00106 E spec. [SOLO 816 Bolivia]
82GR00127 E spec. [SG 27 Guyana]
84GR00304 E spec. [MAAS 6095 Peru]
86GR00131 E spec. [MAAS 6529 Colombia]
86GR01193 E spec. [H.- Costa Rica]
- 10 of 12 accessions sharing this taxon are listed above
84GR00305 E spec.nov. [MAAS 6052 Peru]
91GR00425 E spec.nov. [MAAS 7867 Costa Rica]
91GR00433 E spec.nov. [MAAS 7883 Costa Rica]

Zingiberaceae

- 92GR01034 E spec.nov.
 85GR00063 S E spicatus (Jacq.) Sw. [MAAS 6447 Santo Domingo]
 84GR00075 S E spiralis (Jacq.) Rosc. [JJDG 6617 French Guiana]
 74GR00414 S E V stenophyllus Standl. & L.O.Williams [MAAS 1444 Costa Rica]
 71GR00153 S E varzeorum Maas [P 12064 Brazil]
 74GR00507 S E woodsonii Maas [MAAS 1571 Panama]
 84GR00281 S E zingiberoides Macbr. [MAAS 6000 Peru]

Curcuma

- 67GR00337 S G longa L. [M&PAF 3394 Suriname]
 91GR01364 S N zedoaria (Christm.) Rosc. [Himalaya]

Dimerocostus

- 68GR00225 S E K strobilaceus O. Kuntze subsp. gutierrezii (O.Kuntze) Maas [M&PAF 2533 Suriname]
 80GR00272 S E strobilaceus O. Kuntze subsp. strobilaceus [MAAS 4744 Ecuador]
 86GR00132 S E strobilaceus O. Kuntze subsp. strobilaceus [MAAS 6530 Colombia]

Elettaria

- 72GR00385 S G cardamomum (L.) Maton

Globba

- 68GR00016 S G marantina L.
 74GR00089 S G winitii C.H.Wright
 89GR00057 S G winitii C.H.Wright

Hedychium

- 68GR00246 S E coccineum Buch.-Ham. var. coccineum [M&PAF 3428 Trinidad & Tobago]
 69GR00190 I E coronarium J.G.Koenig [VR&AK M 34 Venezuela]

Kaempferia

- 68GR00088 S G gilbertii Bull
 68GR00089 S G marginata Carey
 84GR00394 S G rotunda L.

Monocostus

- 75GR00191 S E uniflorus (Poepp. ex O.G.Peters.) Maas [KRESS 75-65 Peru]
 84GR00286 S E uniflorus (Poepp. ex O.G.Peters.) Maas [MAAS 6017 Peru]

Renalmia

- 90GR01056 S E alpinia (Rottb.) Maas [MP 183 Guyana]
 91GR00428 S E alpinia (Rottb.) Maas [MAAS 7898 Costa Rica]

Zingiberaceae

- Roscoea**
 78BL00021 G alpina Royle
 91BL01366 S alpina Royle [Himalaya]
 91BL00729 K beesiana
 88BL00019 G humeana Balf.f. & W.W.Sm.
 91BL01367 N purpurea J.E. Sm. [Himalaya]
 91BL00728 K spec.

- Tapeinochilos**
 78GR00196 S G ananassae (Hassk.) K.Schum.

- Zingiber**
 73GR00466 S G officinale Rosc.. cv.
 68GR00221 S E zerumbet (L.) J.E.Sm. [M&PAF 3161 Suriname]

Zygophyllaceae

- Bulnesia**
 68GR00889 G retamo Griseb.

- Porlieria**
 68GR00074 G V chilensis Johnst.

PART C: Acknowledgements & Appendices

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Utrecht Botanic Gardens

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BUD2 (Botanic Gardens Utrecht Database-system ver. 2)

The demand for a more advanced database-system (BUD2 @, 1989;) was caused by the following needs:

- further integration of data technology and administration in order to reduce redundancy in activities
- a good performance in relation to database size
- an eloquent solution to split up the field containing the plant name
- applicability of rules on taxonomy and nomenclature (synonyms)
- possibility of automatic data exchange (both national and international formats (DTF, ITF¹))
- availability of data in flexible fields to printouts
- simultaneous updating by several users of the database

Specifications BUD2

BUD2 possesses some special features which are rare in regular database programs.

- Synoniem facility: a single plant can have several names: one correct name and several (sometimes many) incorrect names (synonyms). By entering either the correct or incorrect name, the user is automatically notified of the correct name and subsequently directed to the relevant data.
- Data integrity monitoring: i) restriction by means of domains (limitation of values). Incorrect entry triggers a pop-up window,

1

Data exchange

In The Netherlands, a national data-exchange format exists, the Dutch Transfer Format (DTF), which gradually developed over a period of 10 years.

For the international data-exchange, the International Transfer Format (ITF) is the most obvious means (BGCS 1987).

This ITF is used by Botanic Gardens Conservation International, and is used to compare botanic gardens collections with the WCMC data bank on threatened plants species.

System Misc Help Template Report Groups

TAXNM	
Acer palmatum 'Versicolor'	Search string Aesculus c_
Acer platanoides 'Drummondii'	
Acer platanoides 'Nanum'	
Acer pseudoplatanus 'Leopoldii'	
Acer pseudoplatanus 'Nizetii'	
Acer pseudoplatanus 'Purpureum'	
Acer pseudoplatanus 'Worleei'	
Acer rubrum	
Acer saccharinum 'Lutescens'	
Acer shirasawanum 'Aureum'	
Acer tataricum tataricum var.	
Acer trautvetteri	
Aesculus carnea 'Aureo-Marginata'	
Aesculus hippocastanum 'Umbraculifera'	
Aesculus parviflora	
Aesculus plantierensis	
Araucaria araucana	
Asimina triloba	
Berberis verruculosa	
Betula ermanii 'Blush'	
Betula ermanii ermanii subsp.	

The user doesn't have to spell the complete name.

System Misc Help Template Report Groups

TAXNM	
TAXON:Davidia involucrata vilmoriniana var.	
Genus::Davidia	
Species::involucrata	
Species author:Baill.	
Infrank:var.	
Infraspec:vilmoriniana	
Infrank author:(Dode) Wanger	
Cultivar:	
taxonr: 37	Synflag:W
last modification:92-06-19 by :JAN	
Cryptomeria japo	infspec
Cryptomeria japo	<< begin >>
Cunninghamia kon	
Cunninghamia lan	<< begin >>
Cunninghamia lan	subsp. subspecies
Davidia involucr	var. variety
Decaisnea farges	f. forma
Dipteronia sinen	<< end >>
Elaeagnus multif	
Enkianthus campa	

Pop-up domain value list for the field 'Infraspecific Rank'.

System	Misc	Help	Template	Report	Groups
TAXNM					
TAXON: Rhynchanthera gr		Help	F1	
TAXNR		helpStack	F2		
		Index	F3		
Fam: MELAST [Melas				GR:DI	
Cons: [Eval:	
Comm: C		Lit:		Hab:	Tol:
Sc:		Seednum:		Ntg:	[]
ACCES					
nr: 11287		accnum: 89GR00102		Garden: UTR [Utrecht]]
Entry Year: 89		seqno: 00102		colour code: GR	
Source: E: Guyana		Crossref:		Exch:	Seedbank: S
Prov: E		Origin: 16A.100		Collname: MJJ	Cnum: 1874
Ver: S		Verdate:		Herb:	Hnum:
Sown: 89-11-07		Germ: 89-11-20		SEEDBKnr: 00140	
LOCAT		Ill num:		Eval:	Colltyp:
<< begin >>		tion: 92-08-13		by: BERT	
HHK4					
<< end >>					

Pull down menu with hotkeys, and choose-from-list concepts.

showing the allowed values for that field, ii) restriction of characters entered when no domain is applied, e.g. "capitals only", or "numbers only".

- . Powerful data-dictionary, allowing for tailor-made changes or building of another database (supervisor only).
- . Efficient storing of field entries composing the taxonomic names. Scientific plant names can be considered as compound names, and can be very large. Storing all data in separate fields would mean ca. 240 bytes per name! **BUD2** seemingly stores the separate words in separate fields, but actually stores them in 2 fields of 70 bytes each, while retaining the possibility to search for compound names.
- . Pull-down menus with "hot keys", and pop-up windows.
- . User authorisations on 5 levels (lowest level: limited consultation, viewing only).
- . Singular database version, both usable as single- and multi-user database (in the correct environment).
- . Pop-up editor, for copying data from the database to a file and add notes at the same time.
- . Availability of data in flexible fields to printouts.
- . Implementation of automatic data-exchange with the BGCS (ITF) and Dutch botanic gardens (DTF), the latter only production, no incorporation.
- . Full colour support for CGA/EGA/VGA colour monitors.

Requirements

BUD2 is used together with **BTRIEVE 4.11** (@ NOVELL Inc.), which serves as Record Manager (handling indexing and storing of the data).

BUD2 functions on an IBM-XT/AT or fully compatible computer with 640 Kb RAM, a harddisk of at least 20 Mb, and DOS 3.x or 4.x. Large databases run on a IBM-XT may result in insufficient performance.

Copyright **BUD2**: the Biology Faculty of Utrecht University, 1989.

For more information write to:

Curators' Office, Utrecht Botanic Gardens

of the State University of Utrecht, P.O. Box 80.162, 3508 TD Utrecht, The Netherlands

Appendix 3: Definitions used for the Decentralized National Plantcollection

The definitions which are explained below, have also been described in the booklet about the Decentralized National Plantcollection (Vliet et al. 1989).

Specialization: any collection of plants with a common denominator, viz. a family or genus, plants from a particular continent, or plants which share the same general cultivation requirements (e.g. mediterranean plants).

Typification:

1. concerning its nature

- . In-breadth specialization: mostly covers a large group, and is concerned with a general survey of species (taxa), of wild source (**ib**).
- . In-depth specialization: mostly covers a small, well defined group, such as a genus, of which as many specimens of each species, of wild source, representing the variation within the natural range, is maintained (**id**).

2. concerning state of development

- . Field of interest: Starting phase of the specialization. Emphasis lies on acquisition of plant material, identification and study (**fi**).

- **Focal-point collection:** Phase of specialization with emphasis on stability of the composition of the collection, and maintenance. In this phase, most identification and acquisition has been completed (**fp**).
- **Reference-collection:** Final phase of any collection, after termination of the research. The collection has been referred to in scientific publications. Often only the valuable specimens are kept, reducing the collection in size, and at the same time improving the quality. This state is usually restricted to former research collections (**rc**).
- 3. **Research collection:** Usually a collection gathered by scientists, therefore well documented and mostly of wild source. The identification level is mostly excellent. After termination of the research, such collection end up as reference collections, being of extremely high value and quality.

Appendix 4: Botanic gardens participating in the Decentralized National Plantcollection

Arboretum Poort Bulten, De Lutte
Arboretum Trompenburg, Rotterdam
Botanische Tuin "Jochum-Hof", Tegelen
Botanische Tuin Kerkrade, Kerkrade
Botanische Tuinen Utrecht, Utrecht and Doorn
Botanische Tuinen Wageningen, Wageningen
Burgers Zoo, Arnhem
Cultuurtuin voor Technische Gewassen, Delft
De Flevohof, Biddinghuizen
Diergaarde Blijdorp, Botanic Division, Rotterdam
Hortus Botanicus Nijmegen, Nijmegen
Hortus Botanicus der Rijksuniversiteit, Leiden
Hortus Botanicus der Vrije Universiteit, Amsterdam
Hortus Botanicus Plantage, Amsterdam
Hortus Bulborum, Limmen
Hortus Haren, Haren
Landgoed Schovenhorst, Putten
Natura Artis Magistra, Amsterdam
Ouwehands Dierenpark, Rhenen
Pinetum Blijdenstein, Hilversum

Appendix 5: explanation of collectors codes used in the catalogue.

A or A-	Bakker, A.		Wageningen
A&H	Aptroot & Hensen	DK&DW	Koning, J. de & J.J.F.E. de Wilde
AFS	American Fern Soc.		Erskine, C.M.
AGS	Alpine Garden Soc.	E	Gouda, E.J.
AGS-J	A.G.S. exp. Japan	E.G.	Mennega, E.A.
AGS-S	A.G.S. exp. Sikkim	EAM	Eggli, U. & Leu- berger, B.E.
ALBLAS	Alblas	EGG/LEU	(code S.R.G.C.)
AND	Andersson, L.		Ern, H.
APAT	Paterson, A.	EMAK	Ern, H. & Prelaz
ASHB	Ashburner, K.	ERN	Ernst, R.
B.&C.	Beyer, R.I. & Cowley, J.	ERN&PR	Pharmac. Lab., Utrecht
B.E.C.	Beyer, R.I., Erskine, C.M. & Cowley, J.	ERNST	Univ.
		F	Billiet, F.
B&L	Brickell, C.D. & Leslie		Fliegner, H.J. & Simm- ons, J.B.
B&W	Burt & Woods	F BI	Fox, J.H. & H. Zetter- lund
BARTH.	Bartholomew, B.	F&S	Feuillet, Chr.
BECK	Beck, S.		Cabot, Francis H.
BEER	Beer, L.	F&Z	Forrest, G.
BG	Berg, C.C.		Forrest, G.
BHH&R	Binder, Hagermann, Hempel & Raus	FEUIL	Fromme, W.
		FHC	Grey-Wilson, C. & B.
BL	Bleeker	FORR	Phillips
BLEHAIR	Blehair	FORREST	Gadella, T.W.J.
BLM	Beer, L., Lancaster, R., & Morris	FROMME	Geesink, R.
		G&P	Giesberger
BMW	Binns, Mason & Wright		Görts, A.R.A.
BOS	Bos, J.J.	GAD	Görts, A.R.A. & M.J.Jansen-Jacobs
BRET	Breteler, F.J.	GEES	Gradstein, R. & Smittenberg
BRICK.	Brickell, C.D.	GIESB	Grijpma, P.
BROWN	Brown, M.L.	GOERTS	Rödl-Linder, G.
C.GOUDA	Gouda, C.S.	GR&JJ	Kew exp. to Guizhou
CAR	Carauta, J.P.P.		Hennipman, E.
CHH	Hauffer, C.H.	GR&SM	León, H.
CLEEF	Cleef, A.M.		Smith, H.
CLEM	Clements, J.	GRIJPM	Smith, H.K.A.
CR.T	Croat, T.B.	GRL	Harling, G. & Anders- son, L.
CRAIG, J	Craig, J.	GUIZ	Haften, C. van
CREMER	Cremers, G.	H.-	
CT	Teune, C.	H.L.	
CYT	Cytotaxonomy, Utrecht University	H.SM.	
		H.SMITH	
DARN	Darnaedy, D.	H&A	
DEKON	Koning, J. de		
DK	Dorschkamp, Institute	HAAF	

HAAS	Haas, H. de	L&G	Lindeman, J.C. & A.R.A.Görts
HAWK	Hawkes	L&HAAS	Lindeman, J.C. & H. de Haas
HEKK	Hekking, W.	L&P	Lückerath & Pieper
HEPPER	Hepper, F.N.	LANC	Lancaster, R.
HERR	Herrera, J.	LANGE	Lange - van Aalderen, L.M. de
HIND	Hind, P.	LEEU	Leeuwenberg, A.J.M.
HJMR	Humphries, C.J., Jury, Mullins, & Richardson, I.B.K.	LEON	Léonard, J.
HLWL	Halliwell, B.	LUKK.	Lukkien, V.P.A., director Utrecht Bot. Gard.
HTH	Hart, H. 't	M&BG	Maas, P.J.M. & C.C.Berg
HUBEIN	Hubein	M&MEJ	Maas, P.J.M. & Mejia, M.P.
HUN	Hunderi, H.	M&PAF	Maas, P.J.M. & P.A. Florschütz
HUNT	Hunt, D.R.	M&SNUV	Maas, P.J.M. & H.Snuverink
HUTCH	Hutchinson, P.C.	M&ZAN	Maas, P.J.M. & T.Zanoni
HVDW	Werff, H. van de	MAAS	Maas, P.J.M.
HZ	Zetterlund, H.	MADISON	Madison, M.
IWARSS	Iwarsson, M.	MAL	Malaisse, F.
J.ELLIKU	Elliku, J.	MANTONP	Manton, I.
J.T.	Tolsma, J., Curator Utrecht Bot. Gard.	MC.	Breteler, A. Leeuwenberg & de W.J.J.O de Wilde, Mt. Cameroun.
J&JA	Archibald, J. & J. Jacobs, M.	MD&RS	Makhan, D. & S. Rattan
JACOBS	Jacobs, M.	MEEROW	Meerow, Alan W.
JARRETT	Jarrett, F.M.	MH&JW	Hyman, M. & J. van Weerdenburg
JCL	Lindeman, J.C.	MISH	Mishana
JCL&H	Lindeman, J.C. & M.Heide	MJJ	Jansen-Jacobs, M.J.
JDS	Smidt, J. de	MORI	Mori, Scott
JERMY	Jermy, A.C.	MP	Polak, M.
JHW	Willems, J.H.	MPR	Coll. Wuppertal
JJDG	Granville, J.J. de	MUSCH	Musch, A.
JJH	Halda, J.J.	N	Nieuman, W.
JNR	Jermy a.o.	NEE	Nee, Michael
JOH	Johanssen a.o.	O&WI	Oldeman & W.J.J.O de Wilde
JONCH.	Joncheere, G.J. de		
JURY	Jury, S.L.		
JVL	Loon, J.Chr. van		
K&W	Kramer, K.U. & L.Y.Th.Westra		
KENN	Kennedy, H.		
KER	Kerkx		
KLIPH	Kliphuis, E.		
KRESS	Kress, W.J.E.		
KUK	Kramer, K.U.		
L&EAM	Lindeman, J.C. & E.A.Mennega		

OA	Den Ouden Ltd.	SG	Stoffers, A.L. &
OLD	Oldeman, R.A.A.		A.R.A.Görts
OOST	Oosthoek	SHACK	Shacklette, H.T.
OR	Den Ouden Ltd.	SICH	Kew Sichuan Exp- edition 1988
P	Prance, G.T.	SIMM	Simmons, J.B.
P.S.	Short, P.	SIPMAN	Sipman, H.
P.W.	Wendelbo, P.	SKOG	Skog, L.E.
P&T	Pieper, & T.	SOLO	Solomon
PAF	Florschütz, P.A.	STOFF	Stoffers, A.L.
PASCHE	Pasche	STOLZE	Stolze, R.G.
PATEL	Patel	SYM	Symoens, J.J.
PL	Plowman, T.	SYR	Cytotaxonomy, in Syria
PLKENN	Plowman, T. & H.Kennedy	T.VARDJA	Vardja, T.
PREL.	Prelaz	T&H	Thompson, P.A. & C.J. Humphries
PREV	Prévost, M.F.		
PRICE	Price, M.	THEILE	Theile
R.R.	Raiche, R.	THSON	Thompson, P.A.
R.W.T.	Rooden, J. van, B. ter Welle & B.Topper	TROU	Trousdell
R&FR	Roos, M.C. & Franken	TROUSD	Trousdell
RA/RO	collectors Berlin-Dahlem	V.HTE	Houtte, Van
RAK	Rakata, Isl., Indonesia	V.K.	Keppel, J.C. van
RATT	Ratter, Dr. J.	V.RD.	Rooden, J. van
RAUS	Raus, T.	VDL	Laar, H.J. van de
RCK	Kruijt, R.C.	VELDH.	Veldhoen, P.
ROOS	Roos, M.C.	VEN	Ven
ROSE	Rose, A.A.	VIANE	Viane, R. van
ROYL&W	Royle & Wiechert	VINCKE	Vincke
RR&KZ	Raiche, R. & K.Zadnik	VLG	Vliegen
RSE	Royal Soc. Expedition	VR&AK	Rooden, J. van & Akkermans
S&L	Sinclair & Long	VVL	Vliet, G.J.C.M. van
SA	Samson	W	Wit, H.C.D. de
SAA	Samson & A.	WAG	Wageningen
SAB	Samson & Breteler	WAL	Wal, De
SABAT	Sabatier, D.	WALK	Walker, T.
SABE	Sino-American Botanical Exp. (Berkeley, USA)	WALK,T	Ibid.
SANCHES	Sanches, M.	WE	Wilde, J.J.F.E. de
SCHATZ	Schatz	WERG.	Werger, M.J.A.
SCHELPE	Schelpe	WEST	Westra, L.Y.Th.
SCHLL	Schilling, A.D.	WHHD	Whitehead, J.
SCHULTZ	Schultz	WI	Wilde, W.J.J.O. de
SE	Simmons, J.B. & Elsley, J.	WIJN	Wijnands, D.O.
SEP	Swedish Exp.to Pakistan	WILSON	Wilson, E.H.
		WODJ	Woodhams, J.R.

WOLB	Wollenberg, L.J.W. van den; Cur. Utrecht B.G.	Losch	Losch
WROD	Roderick, W.	Mayer	Mayer, A.
WTTEW	Wttewaal	Moran	Moran, R.
Y	Cytotaxonomy, Utrecht Univ.; Yugoslavia	Newton	Newton
YU	YUNNAN	Nijs	Nijs, J.C.M. den
ZADN	Zadnik, K.	Nyffeler	Nyffeler, R.
ZARR	Zarucchi, James	Poppend.	Poppendieck
		Raimondo	Raimondo, F.M.
		Rothm.	Rothmeier
		RV	Rothmayer & Voggenreiter
		Stevens	Stevens, J.F.
		Thiede	Thiede, J.
		Uhl	Uhl, C.H.
		Vogg.	Voggenreiter
		Winden	Winden, E. van
		Zonnev.	Zonneveld, B.
collectors as used by H. 't Hart (Crassulaceae collection)			
AH	Alpinar, K. & H. 't Hart		
Alpinar	Alpinar, K.		
BB	Borgen & Brochmann		
Berg	Berg, A.J.J. van den		
Cortenraad	Cortenraad, J.		
Deil	Deil		
During	During, H.J.		
Echard	Echard, R.		
Eggl	Eggl, U.		
Fenerer	Fenerer		
Gadella	Gadella, T.W.J.		
Golling	Golling		
GulikVisa.	Gulikers, M. & J. de Visser		
Hahn	Hahn		
Ham	Ham, R.C.H.J. van		
HRT	Hart, H. 't		
HS	Hart-Sieben, M.L. & T. 't		
HuyssTiel	Huijssoon, J.A. & Tieleman		
Ietswaart	Ietswaart, J.H.		
Kaczmarek	Kaczmarek		
Kliphuis	Kliphuis, E.		
Kramer	Kramer, K.U.		
Kuschel	Kuschel		
Lagarde	Lagarde		
Lavranos	Lavranos		
Lieutier	Lieutier, H.		
Lobin	Lobin		
Loon	Loon, J.C. van		

Appendix 6: Directions for the user.

The data part of the catalogue lists the current holdings of living plants at Utrecht B.G. These exclude seedbank entries.

Explanation of codes

Column 1: Accession number

the accession number is built up from three basic components:

- . entry year: 2 digits; "00" when the year of acquisition is unknown;
- . colour code, stating the type of collection;
- . sequence number.

Column 2: Identification:

I= identified by garden Curator or member of the scientific staff of the project-group Herbarium. N.b., in former days (up till 2 years ago), "I" meant identified (either by the garden Curator, a member of the scientific staff of the project-group Herbarium, or by a specialist (see also "S").

R, V= verified (re-identified)

S= identified by specialist. N.b. the latter code has introduced only recently. This means that earlier identifications made by specialists were at that time recorded as "I".

Column 3: Provenance:

E directly from wild source (wild collected plants or seeds)

S generatively propagated from wild source plants grown within garden surroundings

N vegetatively propagated from wild source plants grown within garden surroundings

G from garden origin (original source may be known). This also applies to annuals, originally from wild source, but now constituting second generation or more.

K from commercial grower

U origin unknown, assumed to be of wild source, without known origin, and with possible mix-up not excluded.

Column 4: WCMC-code (space: no information):

- C candidate
- E endangered
- I indeterminate
- K insufficiently known
- Q unknown
- R rare
- S safe
- V vulnerable
- X extinct
- XE extinct/endangered
- EV endangered/vulnerable
- ER endangered/rare
- VR vulnerable/rare
- VS vulnerable/safe
- RS rare/safe

Column 5: taxon including authors, followed (in square brackets), by collectors-code and origin, in case of (indirect) wild source, if this information is available. The origin explanation is in fact the explanation-value of the origin-codes in the database. The coded list of origins is produced by the Kew Herbarium.

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Users directions

EXPLANATION OF CODES

(for more details see appendix):

COLUMN 1: ACQUISITION INFORMATION

COLUMN 2: IDENTIFICATION

I = identified by garden Curator

R, V = verified (re-identified)

S = identified by specialist

COLUMN 3:

PROVENANCE / PLANTING METHOD

E = directly from wild source

S = generatively propagated from
wild source

N = vegetatively propagated from
wild source

G = from garden origin (original
source may be known)

K = from commercial grower

U = origin unknown,
possibly wild source

COLUMN 4: WEALTH CODE

(space: no information):

C = candidate

E = endangered

I = indeterminate

K = insufficiently known

Q = unknown

R = rare

S = safe

V = vulnerable

X = extinct

XE = extinct/endangered

EV = endangered/vulnerable

ER = endangered/rare

VR = vulnerable/rare

VS = vulnerable/safe

RS = rare/safe

COLUMNS 5:

taxon including authors,
followed by collector's-code

(see appendix Y)

and origin, in case of (indirect)
wild source



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Datum
Uw kenmerk
Ons kenmerk
Onderwerp

november 1992

L.S.

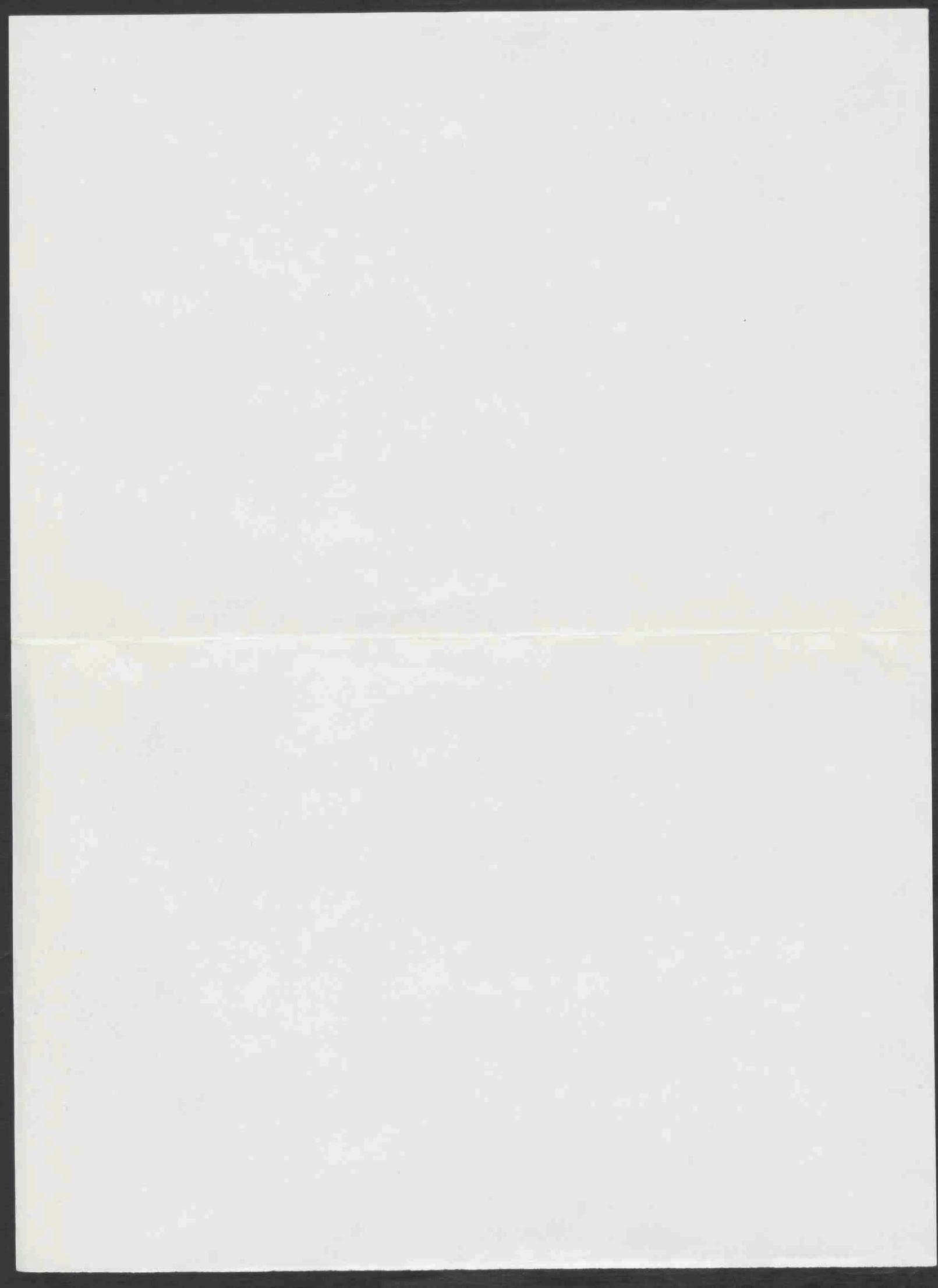
Het is ons een groot genoegen u hierbij een exemplaar van de nieuwe catalogus aan te bieden. Het voorgaande overzicht dateerde van 1986 en er veranderde veel in verschillende opzichten. Daarom was het goed om de positie van de Utrechtse Botanische Tuinen weer eens helder te plaatsen in het veld van onderzoek, onderwijs, publieksvoorlichting en tal van andere projecten.

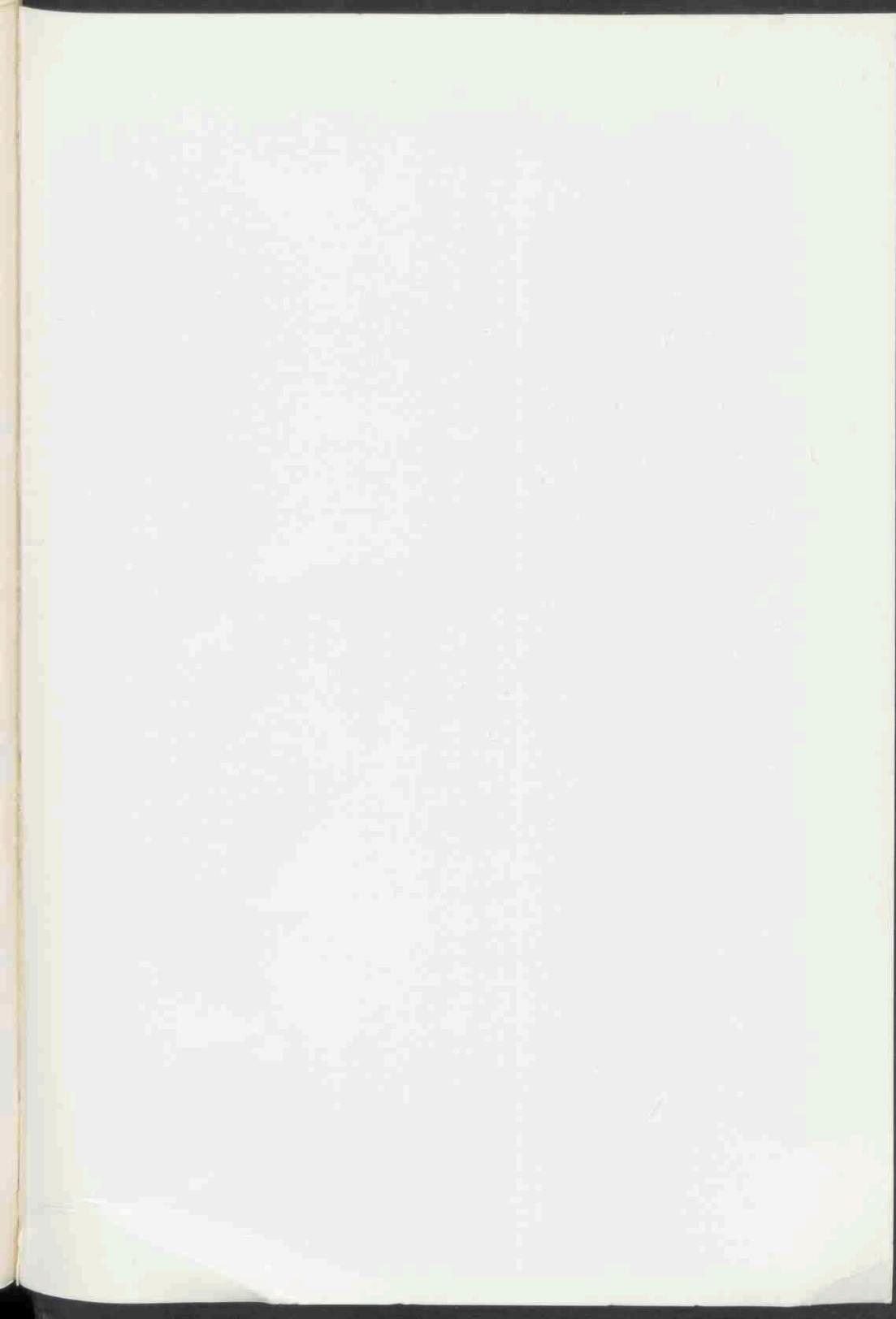
Wij menen er in geslaagd te zijn een duidelijk overzicht te geven van de samenstelling en het gebruik van de waardevolle plantencollecties, behorende tot onze universiteit.

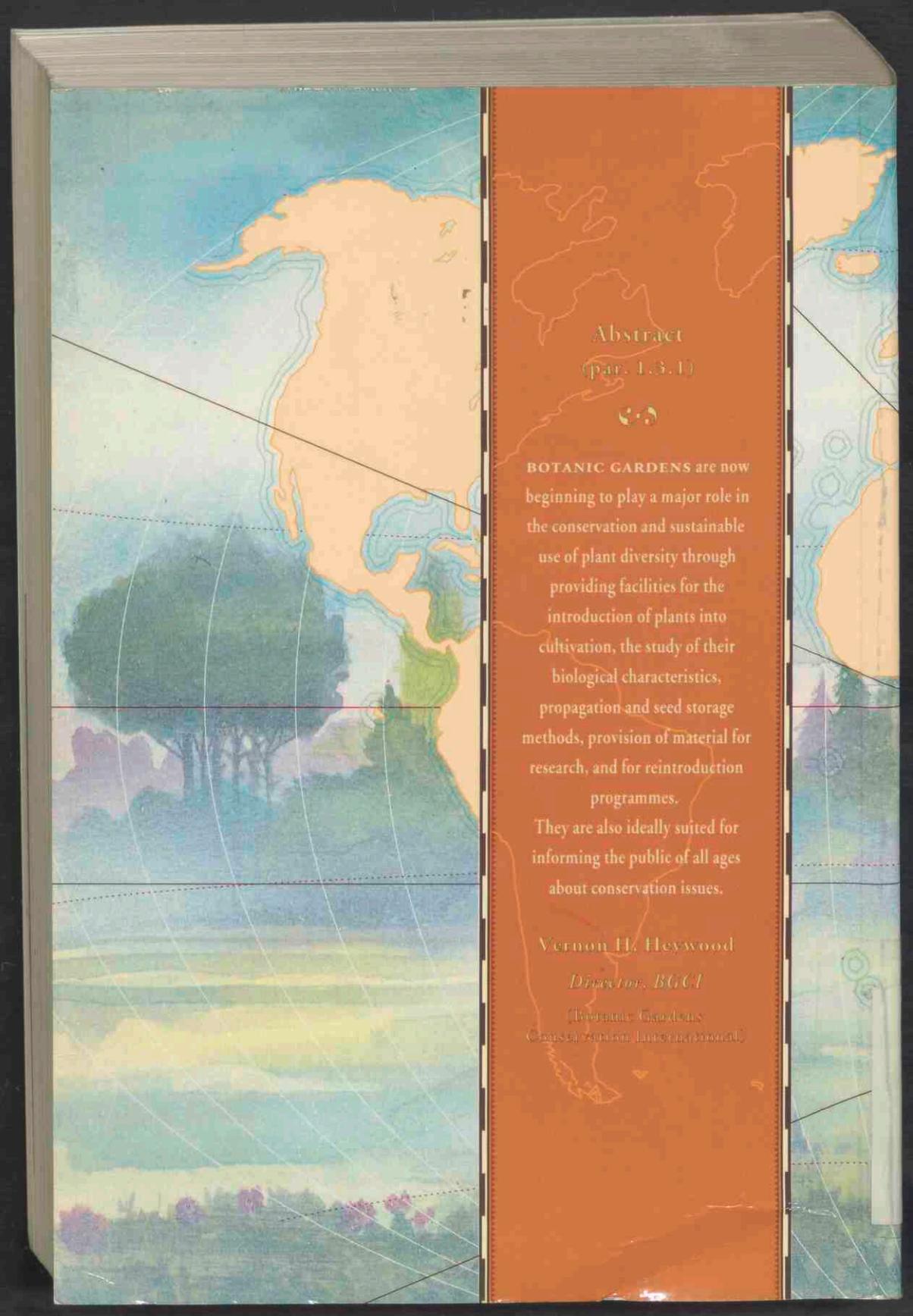
Inmiddels is, met betrekking tot de collecties, de basis gelegd voor een verdere afstemming van taken op nationaal en internationaal niveau.

Bij het verschijnen van deze catalogus spreken wij dan ook de wens uit, dat deze samenwerking verder gestalte zal krijgen.

Vijko P.A. Lukkien, Directeur
Jan Tolsma & Bert J.W. van den Wollenberg, Conservators







Abstract
(par. 1.3.1)



BOTANIC GARDENS are now beginning to play a major role in the conservation and sustainable use of plant diversity through providing facilities for the introduction of plants into cultivation, the study of their biological characteristics, propagation and seed storage methods, provision of material for research, and for reintroduction programmes.

They are also ideally suited for informing the public of all ages about conservation issues.

Vernon H. Heywood

Director, BGCI

*(Botanic Gardens
Conservation International)*