

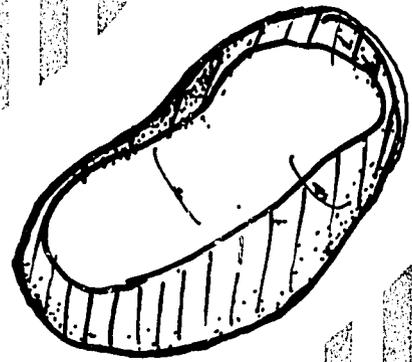
DIRECTORY OF GERMPASM COLLECTIONS

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IBPGR 



**root
crops:**



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July 1980

INTERNATIONAL BOARD FOR PLANT GENETIC RESOURCES

DIRECTORY OF GERMPLASM COLLECTIONS

II. ROOT CROPS

by

A.B. Damania and J.T. Williams
Consultant and Executive Secretary

IBPGR Secretariat
Rome, 1980

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The International Board for Plant Genetic Resources (IBPGR) is an autonomous, international, scientific organization under the aegis of the Consultative Group on International Agricultural Research (CGIAR). The IBPGR, is composed of 15 members from 13 countries; its Executive Secretariat is provided by the Food and Agriculture Organization of the United Nations. The basic function of the IBPGR, as defined by the Consultative Group, is to promote an international network of genetic resources centres to further the collection, conservation, documentation, evaluation and use of plant germplasm and thereby contribute to raising the standard of living and welfare of people throughout the world. The Consultative Group mobilizes financial support from its members to meet the budgetary requirements of the Board.

IBPGR Secretariat
Plant Production and Protection Division
Food and Agriculture Organization of the United Nations
Via delle Terme di Caracalla, Rome 00100, Italy

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PREFACE

With the development of a global network of genetic resources activities it has become increasingly apparent that there is an information gap relating to what material is held where. This gap will persist until all major collections are adequately documented and information as well as samples readily exchanged.

The IBPGR has therefore agreed to issue directories of collections which should not only be useful to scientists involved with genetic resources but also should stimulate curators to provide more detailed information.

This present issue of the directory deals with several major root crops. Emphasis has been put on those of importance in tropical regions; at a future date other root crops, especially temperate ones, will be dealt with.

The data included in these directories are, of necessity, incomplete: we have relied upon answers to questionnaires, data held in the Secretariat and in published reports, index semina and verbal communications. It is our intention to keep the directories under continuing review and to issue revisions as and when necessary. All data are being computerized so that ultimately we can answer queries more readily. We apologize to those centres which may not be included but we have attempted for incorporate information on all major holdings. Additions and corrections will be welcomed.

J. Williams
Executive Secretary

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AROIDS



AROIDS

CAMEROON

IRAT, B.P. 2123
Yaounde-Messa

Details of samples: 16⁺ mainly *Colocasia* sp.
Geographical representation of
the collection: Cameroon
Maintenance of the collection: Plants.

FIJI

Koronivia Research Station
Ministry of Agriculture & Fisheries
P.O. Box 77
Nausori

Curator/person in charge: P. Sivan
Details of samples: 70 cvs. of *Colocasia*
Geographical representation of
the collection: Fiji
Maintenance of the collection: Plants (and stem cuttings)
Availability of material for exchange: Small quantities freely available
Documentation and evaluation: Evaluation has been carried out on the following
characters: Yield, harvest index, tuber number
and size, ease of harvest, dry matter of roots,
storage potential of roots and disease
resistance.

GHANA

Agricultural Research Station
University of Ghana
P.O. Box 43
Kade

Curator/person in charge: S.K. Karikari
Details of samples: 20 samples of *Colocasia* and *Xanthosoma*
Geographical representation of
the collection: Ghana and introductions from Puerto Rico
Maintenance of the collection: Plants and stem cuttings
Documentation and evaluation: Preliminary evaluation has been carried out
and recorded.

AROIDS

GUADELOUPE

Centre de Recherches Agronomiques
Domaine Duclos
Prise d'Eau (97-1)
Petit Bourg

Details of samples: 15

Geographical representation of
the collection: French Polynesia

Maintenance of the collection: Plants

Availability of material for exchange: Available.

INDONESIA

National Biological Institute
P.O. Box 110
Bogor

Curator/person in charge: S. Sastrapradja (Director)

Details of samples: 328 samples of *Colocasia*
30 samples of *Xanthosoma*
70 samples of *Alocasia*
(samples of *Amorphiophallus*)

Geographical representation of
the collection: Indonesia and other parts of Southeast Asia

Maintenance of the collection: Plants

Availability of material for exchange: Available

Documentation and evaluation: Preliminary evaluation is in progress (including flowering behaviour, seedling morphology and chemical characteristics) and the agreed descriptors will be used for *Colocasia*.

JAMAICA

Crop Research Division
Ministry of Agriculture
P.O. Box 480
Kingston 6

Details of samples: 5 samples of *Xanthosoma*

Geographical representation of
the collection: Local cvs. from Jamaica

Maintenance of the collection: Plants and coldstore

AROIDS

Availability of material for exchange: Freely available

Documentation and evaluation: Information on production and growth characteristics of the samples in the collection is available.

NIGERIA

Genetic Resources Unit
IITA, P.M.B. 5320, Oyo Road
Ibadan

Curator/person in charge: W. Steele

Details of samples: 50+ samples of *Xanthosoma* and *Colocasia*

Geographical representation of the collection: Sierra Leone, Ghana, Niger, Nigeria and Tanzania

Maintenance of the collection: Plants and Colstore

Availability of material for exchange: Available

Quarantine restrictions: Imported material must pass through quarantine

Documentation and evaluation: The collection has been evaluated for: Yield (t/ha), consumer acceptance, disease resistance, etc., and is documented.

PAPUA NEW GUINEA

Highlands Agriculture Experiment Station
Aiyura
P.O. Box 384
Kainantu - E.H.P.

Curator/person in charge: M. Bourke

Details of samples: 100 cvs. *Colocasia esculenta*

Geographical representation of the collection: Papua New Guinea

Maintenance of the collection: Plants. Some (ca. 20) are duplicated at the Department of Primary Industry station at Keravat. At Keravat there are samples of *Xanthosoma* sp., *Alocasia macrorrhiza* and *Coytosperma chemissonis*.

Availability of material for exchange: Freely available

Documentation and evaluation: Evaluation has been carried out and information on the following characters available: Yield, palatability, disease and pest resistance, and colour. The agreed descriptors will be used.

AROIDS

PHILIPPINES

Philippine Root Crop Research & Training Center
Visayas State College of Agriculture
Baybay
Leyte

Curator/person in charge: M. Villanueva

Details of samples: 569 *C. esculentum*
40 *Xanthosoma* sp.

Geographical representation of the collection: Southeast Asia and Philippines

Maintenance of the collection: Plants

Availability of material for exchange: Available

Documentation and evaluation: Accessions have been evaluated for yield and other desirable characteristics. Further work is in progress and the agreed descriptors will be used for *Colocasia*.

PHILIPPINES

Institute of Plant Breeding
University of Philippines
College of Agriculture
Los Baños

Details of samples: 155 *Colocasia esculentum*

Geographical representation of the collection: Southeast Asia and local cvs. from Philippines

Maintenance of collection: Plants Coldstore

Availability of material for exchange: Available

Documentation and evaluation: In progress. The agreed descriptors will be used.

USA

University of Florida
Agricultural Research & Education Center
18905 S.W. 280th Street
Homestead
Florida 33031

Curator/person in charge: S.K. O'Hair

Details of samples: 90 cvs.
30 primitive cvs..
10 wild relatives

AROIDS

Geographical representation of the collection:

Caribbean region

Maintenance of the collection:

Plants (Tissue culture in the near future)

Availability of material for exchange:

Limited material freely available, but harvesting, packaging and postage charges must be paid

Documentation and evaluation:

Evaluation and documentation have been carried out on basis of following characters: Corm production, corm weight, corm count/plant, flowering, corm colour, and corm specific gravity.

USA

University of Hawaii
Kauai Branch Station
Kapaa
Hawaii 96746

Details of samples:

160 cvs. mostly *Colocasia*

Geographical representation of the collection:

Southeast Asia and South Pacific

Maintenance of the collection:

Plants

Availability of material for exchange:

Limited material freely available

Documentation and evaluation:

Details can be obtained from the Station.

USA

Harold L. Lyon Arboretum
3860 Manoa Road
Honolulu, Hawaii 96822

Curator/person in charge:

Y. Sagawa

Details of samples:

295 cvs.

Geographical representation of the collection:

Pacific Islands

Maintenance of the collection:

Plants

Availability of material for exchange:

Restricted. Only surplus material available

Documentation and evaluation:

Evaluation and documentation has been carried out and details available on request from the curator.

CASSAVA



CASSAVA

ARGENTINA

Departamento Producción Vegetal
Universidad Nacional del Nordeste
Sargento Cabral 2139
Corrientes

Details of samples: 250 cvs.
Geographical representation of
the collection: S. America
Maintenance of the collection: Plants
Availability of material for exchange: Freely available.

BRAZIL

Sub-Estação Experimental do Rio do Sul
Santa Catarina

Details of samples: 200 cvs.
(4000 plants)
Maintenance of the collection: Plants.

BRAZIL

Centro Nacional de Pesquisa de Mandioca & Fruticultura (CNPMPF)
C.P. 7 Rua Lauro Passos, 44.380
Cruz das Almas
Bahia

Details of samples: 619
12 wild relatives
Geographical representation of
the collection: Brazil (Bahia)
Maintenance of the collection: Plants
Availability of material for exchange: Only 3 plants per cultivar can be supplied
per request
Documentation and evaluation: Evaluation has been carried out for 50
characters and the data are recorded on forms
(which can be easily read by any punch card
operator to store the information in a
computer).

CASSAVA

BRAZIL

Centro de Ciencias Agrarias
Universidade Federal de Paraiba
58397 Areia

Curator/person in charge: N.M.A. Nassar

Details of samples: 83 cvs.
3 primitive cvs.
21 spp. (including five population samples)

Geographical representation of the collection: Central Brazil

Maintenance of collection: Plants

Availability of material for exchange: Restricted and approval of CENARGEN required

Documentation and evaluation: Evaluation has been carried out for: tuber formation, protein content, HGN content, growth habit, and other characteristics useful for breeding programmes.

BRAZIL

Universidade Federal de Viçosa
36.570 Viçosa, MG

Curator/person in charge: A.J. da Silveira

Details of samples: 150 cvs.
2 primitive cvs.
1 wild relative

Geographical representation of the collection: Brazil and Colombia

Maintenance of the collection: Plants

Availability of material for exchange: Freely available

Quarantine restrictions: No restrictions.

COLOMBIA

Centro Internacional de Agricultura Tropical (CIAT)
Apartado Aéreo 67-13
Cali

Curator/person in charge: C. Hershey

Details of samples: 2450 samples including the following wild relatives
M. brachyloba
M. carthainensis
M. foetida
M. graziiovii
M. piao-roxo

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CASSAVA

Geographical representation of the collection: Brazil, Bolivia, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Mexico, Panama, Paraguay, Peru, Puerto Rico, Venezuela

Maintenance of the collection: Plants and meristem culture; Coldstore

Availability of material for exchange: Freely available

Quarantine restrictions: Imports must be approved by Sanitary Inspection Service at port of entry

Documentation and evaluation: Evaluation data are documented in a computer. The following characters have been screened: AGRONOMIC TRAITS: Initial vigour, branching habit, leaf life, leaf size, plant height, root yield, flowering, harvest index (root weight/top weight), root density, number of roots/plant, ease of harvest, root length, peduncle length, root storability, HCN content of leaves, HCN content of roots. INSECT RESISTANCES: Thrips, mites (*Mononychellus*, *Oligonychus*, *Tetranychus*). DISEASE RESISTANCES: Bacteriosis, superelongation, *Cercospora henningsii*, *Cercospora vicosae*.

ECUADOR

National Institution of Agricultural Research
Experimental Station
Pichilingue

Details of samples: 123 cvs.

Geographical representation of the collection: Ecuador only

Maintenance of the collection: Plants

Availability of material for exchange: Freely available but from CIAT

Documentation and evaluation: Evaluation data are documented in a computer. The following characters have been screened: AGRONOMIC TRAITS: Initial vigour, branching habit, leaf life, leaf size, plant height, root yield, flowering, harvest index (root weight/top weight), root density, number of roots/plant, ease of harvest, root length, peduncle length, root storability, HCN content of leaves, HCN content of roots. INSECT RESISTANCES: Thrips; mites (*Mononychellus*, *Oligonychus*, *Tetranychus*). DISEASE RESISTANCES: Bacteriosis, superelongation; *Cercospora henningsii*, *Cercospora vicosae*.

CASSAVA

FIJI

Koronivia Research Station
Ministry of Agriculture & Fisheries
P.O. Box 77
Nausori

Curator/person in charge:	P. Sivan
Details of samples:	48 cvs.
Geographical representation of the collection:	Fiji
Maintenance of the collection:	Plants
Availability of material for exchange:	Small quantities freely available
Documentation and evaluation:	Evaluation has been done on the following characters: Yield, harvest index, tuber number and size, ease of harvest, dry matter of roots, storage potential of roots and disease resistance.

GUATEMALA

School of Agronomy
University of San Carlos

Details of samples:	90 cvs.
Geographical representation of the collection:	Mostly from Costa Rica but also Cuba, Brazil and Colombia
Maintenance of the collection:	Plants
Availability of material for exchange:	Available
Quarantine restrictions:	Import restrictions very strict.

INDIA

Central Tuber Crops Research Institute
Trivandrum 10
Kerala

Curator/person in charge:	N. Hrishi
Details of samples:	1800 cvs. including primitive cvs.
Geographical representation of the collection:	Mostly India but also Sri Lanka, Malaysia, Thailand, Fiji, Brazil, Colombia, Madagascar, Gabon, Senegal, Uganda, Ghana.

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CASSAVA

Maintenance of the collection:	Plants
Availability of material for exchange:	Freely available
Quarantine restrictions:	Imported material must have a permit from National Bureau of Plant Introduction.

INDONESIA

Central Research Institute for Agriculture
P.O. Box 34
Padang

Details of samples:	22 cvs. 2 primitive cvs.
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Geographical representation of the collection:	Indonesia
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Maintenance of the collection:	Plants
Availability of material for exchange:	Available
Restrictions:	Permission must be obtained from CRIA for quarantine. Limited quantities only.

INDONESIA

Lembaga Pusat Penelitian Pertanian
P.O. Box 110
Bogor

Details of samples:	700 cvs.
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Geographical representation of the collection:	Mostly Indonesia
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Maintenance of the collection:	Plants
Availability of material for exchange:	Freely available
Quarantine restrictions:	Permission from Ministry of Agriculture needed for export/import.

MALAYSIA

Central Experiment Station
MARDI
P.O. Box 208
Serdang, Selangor

Curator/person in charge:	S.K. Chan
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Details of samples:	40 cvs.
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CASSAVA

Geographical representation of the collection: Malaysia
Maintenance of the collection: Plants
Quarantine restrictions: Import permit needed.

MALAWI

Shire Valley Agricultural Consolidation Project
Private Bag
Ngabu

Curator/person in charge: B.D.A. Beck
Details of samples: 35 cvs.
25 primitive cvs.
Geographical representation of the collection: Malawi and Nigeria
Maintenance of collection: Plants and seeds; Coldstore
Availability of material for exchange: Limited quantities freely available
Restrictions: Export and import through plant quarantine service.

NIGERIA

IITA
PMB 5320
Oyo Road
Ibadan

Curator/person in charge: W. Steele
Details of samples: 2922 samples
135 primitive cvs.
Geographical representation of the collection: West Africa, Venezuela, Colombia and Brazil
Maintenance of the collection: Plants; Coldstore (research on shoot-tip culture in progress)
Availability of material for exchange: Available as seed
Quarantine restrictions: Strict quarantine regulations observed
Documentation and evaluation: Evaluation has been carried out and information is available on the following characters: Fresh yield (t/ha), dry matter %, dry yield (t/ha), cassava mosaic disease (CMD) score, cassava bacterial blight (CBF) score, cassava anthracnose reaction, *Cercospora* brown leaf spot reaction, lodging %, leaf protein, leaf/root ratio, harvest index, and HCN content.

CASSAVA

NIGERIA

National Cassava Centre
National Root Crops Research Institute
Umidiike
P.M.B. 1006
Umuahia, Imo State

Curator/person in charge:	O.O. Okoli
Details of samples:	1060 samples of several species
Geographical representation of the collection:	Nigeria
Maintenance of the collection:	Plants, seeds
Availability of material for exchange:	Freely available but only as seed
Quarantine restrictions:	Exchange of vegetative material is prohibited
Documentation and evaluation:	Evaluation has been carried out for the following: GROWTH HABIT: Vigour of growth, angle and height of branching, canopy size and height, average number of stems/stand, lodging, stand survival, harvest index. GENERAL POTENTIAL: Fresh tuber yield, number of tubers/stand, tuber size, shape, neck, placement and spread, garification (% and quality), dry matter yield, starch yield. SPECIAL OBSERVATIONS: Resistance to cassava bacterial blight (CBB) <i>Xanthomonas manihotis</i> , resistance to cassava mosaic disease (CMD) and other pests.

PAPUA NEW GUINEA

Department of Primary Industry
Highlands Agriculture Experiment Station
Aiyura
P.O. Box 384
Kainantu E.H.P.

Details of samples:	36 cvs. The station at Laloki and the University also hold small collections
Geographical representation of the collection:	Papua New Guinea and some introductions
Maintenance of the collection:	Plants
Availability of material for exchange:	Freely available

CASSAVA

Quarantine restrictions: No restrictions

Documentation and evaluation: Evaluation is in progress for tuber characteristics, stem height and pest and disease tolerance.

PERU

La Molina Experimental Agricultural Station
Apartado 2791
Lima

Curator/person in charge: J.C. Rosas

Details of samples: 255⁺ cvs.
1 *M. glaziovii*

Geographical representation of the collection: 164 Peru, 34 Brazil, 5 Ecuador, 24 Paraguay, 17 Bolivia, 10 Colombia

Maintenance of the collection: Plants

Quarantine restrictions: Phytosanitary certificate of health needed.

PHILIPPINES

Philippine Root Crop Research & Training Center
Visayas State College of Agriculture
Baybay, Leyte

Curator/person in charge: M. Villanueva

Details of samples: 883 cvs. including local cvs. from the Philippines

Geographical representation of the collection: Southeast Asia, South America

Maintenance of the collection: Plants

Documentation and evaluation: Accessions have been evaluated for yield and other desirable characteristics. Further work is in progress.

PHILIPPINES

Institute of Plant Breeding
University of the Philippines at Los Baños
College of Agriculture
Laguna

Curator/person in charge: N.G. Mamicpic

Details of samples: 60

CASSAVA

Geographical representation of the collection: Southeast Asia and S. America

Maintenance of the collection: Plants; Coldstore

Availability of material for exchange: Freely available (restricted to 2 cultivars only)

Quarantine restrictions: Nil at present but restrictions likely in the future

Documentation and evaluation: Evaluation has been carried out on the following: Root yield (total and marketable), % of marketable roots, plant height, number of roots/plant, average root size (weight), root dry matter and starch content and field resistance to: *Cercospora*, leaf spot, bacterial blight, spider mites.

SRI LANKA

Central Agricultural Research Institute
Gannoruwa
Peradeniya

Curator/person in charge: C.R. de Vaz

Details of samples: 19 cvs.

Geographical representation of the collection: Sri Lanka

Maintenance of collection: Plants

Availability of material for exchange: Freely available

Quarantine restrictions: No restrictions on export but strict quarantine for imported introductions.

THAILAND

Root Crop Branch
Field Crop Division
Department of Agriculture
Bangkhen, Bangkok 9

Curator/person in charge: A. Senanarong

Details of samples: 62 including 22 population samples
2 primitive cvs.

Geographical representation of the collection: Thailand, Malaysia, Indonesia (Java), Virgin Islands, Colombia

Maintenance of the collection: Plants

CASSAVA

Availability of material for exchange: Freely available

Quarantine restrictions: Imports from India and Africa are restricted

Documentation and evaluation: Evaluation and documentation have been done for the following: Root yield, harvest index, HCN content, starch content, protein content, ease of harvest, germination, plant vigour, plant height, branching habit, root perishability, earliness, disease and insect incidence, number of roots, root colour and shape, stem colour, petiole colour, young leaf colour, leaf shape, and flowering habit.

VENEZUELA

Programa de Raíces y Tubérculos
CENIAP
Ministerio de Agricultura y Cría
Maracay

Curator/person in charge: C. Arias

Details of samples: 500 cvs.

Geographical representation of the collection: Mostly from Venezuela

Maintenance of the collection: Plants

Availability of material for exchange: Available but subject to quarantine restrictions

Quarantine restrictions: Strict import regulations; phytosanitary certificate from country of origin needed.

ZAIRE

Programme National Manioc
INERA-M'vuazi
Care Mweke
Bas-Zaire

Curator/person in charge: T.P. Singh

Details of samples: 200 local cvs.
1 *M. glaxiovii*

Geographical representation of the collection: Mostly Zaire

Maintenance of the collection: Plants

Availability of material for exchange: Freely available

CASSAVA

Quarantine restrictions: No restrictions

Documentation and evaluation: Evaluation and documentation have been based on the following: DISEASES: Cassava bacterial blight, mosaic and anthracnose. AGRONOMIC: Yield potential and number of tubers per plant.

ZAIRE

Centre National des Recherches Agronomiques de Malela
Malela

Details of samples: 61 cvs.
209 clones from IITA

Geographical representation of the collection: Benin, Zaire, Madagascar

Maintenance of the collection: Plants.

ZAMBIA

Luapula Regional Research Station
P.O. Box 129
Mansa, Luapula Province

Details of samples: At present few, but plans to collect 20 primitive cvs.

Geographical representation of the collection: Zambia, Nigeria

Maintenance of the collection: Plants

Availability of material for exchange: Freely available when collection is established

Documentation and evaluation: This collection has just been established. Plans are underway to collect germplasm from local sources. Evaluation is in progress on following: Yield, earliness, and disease resistances.

POTATO



POTATO

ARGENTINA

Estación Experimental Agropecuaria
INTA
Manfredi
Province Córdoba

Curator/person in charge: C.J. Induni
Details of samples: 667⁺ including wild species
Geographical representation of the collection: S. America
Maintenance of the collection: Tubers, Seeds (Coldstore)
Availability of material for exchange: Freely available.

ARGENTINA

Estación Experimental Regional Agropecuaria
C.C. 276
7620 Balcarce

Curator/person in charge: K.A. Okada
Details of samples: 825 *S. tuberosum* subsp. *tuberosum* cvs. and primitive cvs.
15 *S. tuberosum* subsp. *andigena* (primitive cvs.)

Samples of the following wild relatives:

151 *S. acaule*
1 *S. brevidens*
76 *S. chacoense*
15 *S. commersonii*
120 *S. gourlayi*
98 *S. infundibuliforme*
93 *S. kurtzianum*
111 *S. megistacrolobum*
29 *S. oplocense*
82 *S. spegazzinii*
34 *S. tarijense*

Geographical representation of the collection:

Mostly Argentina

Maintenance of the collection:

Tubers, Seeds (Coldstore)

Availability of material for exchange:

Freely available (100 seeds per request)

Documentation and evaluation:

Evaluation has been carried out on the basis of the following: Taxonomic delimitation, chromosome number, crossability, biochemical and culinary characters in primitive cultivated varieties. The data are being computerized using agreed descriptors.

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POTATO

AUSTRALIA

Agricultural Research Station
Glen Innes 2370
N.S.W.

Details of samples: 200⁺ cvs.
Maintenance of the collection: Tubers, Seeds (Coldstore)
Availability of material for exchange: Available.

BELGIUM

Station de la Pomme de Terre
Rue de Serpent, 48
Libremont

Curator/person in charge: V. Melard
Details of samples: 100⁺ cvs.
Geographical representation of the collection: Europe
Maintenance of the collection: Tubers, Seeds (Coldstore).

BRAZIL

Seção de Raízes e Tubérculos
Campinas
São Paulo

Details of samples: 100⁺
S. tuberosum subsp. *andigena* (primitive cvs.)
Samples of the following wild species:
S. chacoense
S. hjertingii
S. phureja
Maintenance of the collection: Tubers, Seeds (Coldstore).

BRAZIL

Projeto Batata
Estação Experimental de Itaguaí
Seropedica
Km. 47 Rio S. Paulo
CEP 23460
Rio de Janeiro

Details of samples: Mostly commercial cvs.
5 regional clones
7 clones from CIP

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POTATO

Geographical representation of the collection:

Varieties introduced from F.R. Germany, Netherlands, Sweden, Peru; Brazil

Maintenance of the collection:

Tubers, Seeds (Coldstore)

Availability of material for exchange:

5 commercial varieties are available

Quarantine restrictions:

At present the collection does not possess any sample entirely free from diseases and pests

Documentation and evaluation:

Preliminary data are available for disease resistance.

BRAZIL

EMBRAPA - UEPAE de Brasília
C.P. 1316
70.000 Brasília - DF

Curator/person in charge:

E.A.V. Morales

Details of samples:

5000 samples (including many primitive cvs.)
Wild species include:

S. calvescens
S. chacoense
S. commersoni

Geographical representation of the collection:

World collection

Maintenance of the collection:

Tubers, Seeds (Coldstore); Tissue culture

Documentation and evaluation:

Information on evaluation is available for:
Resistance to late blight, bacterial wilt, root-knot nematode; cold and heat tolerances.

BULGARIA

Potato & Hop Experiment Station
Samokov

Details of samples:

400 cvs.
15 primitive cvs.
20 wild relatives

Geographical representation of the collection:

Bulgaria, S. America, USSR

Maintenance of the collection:

Tubers, true seed

Availability of material for exchange:

Restricted

Quarantine restrictions:

Permission from Central Institute of Plant Introduction, Sadovo, required.

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POTATO

CANADA

Department of Horticultural Science
University of Guelph
Ontario

Curator/person in charge: G.R. Johnston
Details of samples: 300
Maintenance of the collection: Tubers, Seeds (Coldstore).

CHILE

Instituto Producción Vegetal
Casilla 567
Valdivia

Curator/person in charge: A. Contreras
Details of samples: 447 including:
408 primitive cvs.
39 wild relatives especially *S. brevidens*,
S. eutuberosum, *S. fernandezianum*,
S. maglia.
Geographical representation of
the collection: Chile
Maintenance of the collection: Tubers, Seeds (Coldstore); Tissue culture
Availability of material for exchange: Available if there is sufficient material,
restricted to 50 seeds or 2 tubers per sample
Quarantine restrictions: Exchange by tissue and meristem culture only
Documentation and evaluation: Evaluation and documentation is complete;
further information is awaited.

CHINA

Asian Vegetable Research and Development Center
P.O. Box 42
Shanhua, Tainan 741

Curator/person in charge: C.L. Luh
Details of samples: 1282⁺
Geographical representation of
the collection: Southeast Asia and introductions from many
parts of the world
Maintenance of the collection: Tubers, Seeds (Coldstore)

POTATO

Documentation and evaluation:

Documentation uses a SAS program on computer. Information on evaluation on the following characters is available: AVRDC accession number cultivar name, USDA PI number, days to maturity, yield (t/ha), origin and source, % dry matter, % protein, tuber flesh colour, tuber weight, tuber skin colour, heat tolerance, stem height, stem colour, leaf size, cracking, dormancy, reaction to late blight, reaction to southern blight, reaction to leaf roll, reaction to bacterial wilt and reaction to virus.

COLOMBIA

Instituto Colombiano Agropecuario (ICA)
Apartado Aéreo 7984
Bogotá

Curator/person in charge:

L. López

Details of samples:

1013 including
1008 primitive cvs. and 5 wild relatives

Geographical representation of
the collection:

Colombia

Maintenance of the collection:

Tubers, Seeds (Coldstore)

Availability of material for exchange:

Freely available

Quarantine restrictions:

Imported material must pass through quarantine

Documentation and evaluation:

Evaluation is in progress for resistance against *Phytophthora infestans*, *Pseudomonas solanacearum* and nematodes.

CZECHOSLOVAKIA

Potato Research Institute
Havlickuv Brod

Curator/person in charge:

I. Bares

Details of samples:

760 cvs.

Maintenance of the collection:

Tubers

Availability of material for exchange:

Available.

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POTATO

DENMARK

Danish Potato Breeding Foundation
Grindstedvej 55
DK-7184 Vandel

Curator/person in charge: N.E. Foldø
Details of samples: 400 cvs.
Geographical representation of the collection: Mostly European collection
Maintenance of the collection: Tubers, Seeds (Coldstore)
Documentation and evaluation: The collection has been evaluated for resistance to fungal and virus diseases. Further work is in progress.

F.R. GERMANY

Dutch-German Potato Collection
Institut für Pflanzenbau und Saatgutforschung
FAL, Bundesallee 50
33 Braunschweig

Curator/person in charge: L.J.M. Van Soest
Details of samples: 2370
635 primitive cvs. and land races (265 European)
1735 wild relatives (of 67 species)
This collection includes germplasm formerly maintained by Max-Planck Institut für Züchtungsforschung. Seed samples have been sent to the Scottish Plant Breeding Station for duplication.
Geographical representation of the collection: Europe, S. America
Maintenance of the collection: Tubers, Seeds (Coldstore)
Availability of material for exchange: Available
Quarantine restrictions: Imported material must go through plant quarantine
Documentation and evaluation: Evaluation is in progress and information is stored in a computer.

POTATO

JAPAN

Hokkaido Pref.
Konsen Agricultural Experiment Station
Hokkaido

Details of samples: 300⁺
25⁺ primitive cvs.

Maintenance of the collection: Tubers.

JAPAN

Laboratory of Plant Breeding
Faculty of Agriculture
Kobe University
Rokko
Nada, Kobe

Curator/person in charge: M. Matsubayashi

Details of samples: Total samples unspecified but include:
36 primitive cvs. and
48 wild relatives

Geographical representation of
the collection: Cvs. mostly from Japan

Maintenance of the collection: Tubers, Seeds (Coldstore)

Availability of material for exchange: Freely available. Restricted 10 tubers or
100 seeds

Documentation and evaluation: Information is available on important characters
of wild *Solanum* species which are being used
in breeding programmes. i.e. taxonomic series,
specific names, chromosome number, disease
resistances, and general breeding values.

KOREA

Alpine Experiment Station
Office of Rural Development
Hoengge-Ri, Doam-Myun
Pyungchang-Cun, Kangwon-Do
Republic of Korea

Curator/person in charge: B.H. Han

Details of samples: 75 cvs.

Geographical representation of
the collection: World wide

Maintenance of the collection: Tubers, Seeds (Coldstore)

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POTATO

Availability of material for exchange: Available but restricted to 10 tubers per sample

Documentation and evaluation: Systematic evaluation has not been done so far. However, a catalogue of all varieties in the collection is available.

NETHERLANDS

Wageningen Potato Collection
Department of Plant Breeding
Lawickse Allee 166
Wageningen

Curator/person in charge:

J.C. Th. Hermsen

Details of samples:

S. tuberosum
400 *andigena*
11 *phureja*
4 *stenotomon*
307 samples of 47 wild species

Geographical representation of the collection:

Argentina, Brazil, Bolivia, Colombia, Peru, Mexico

Maintenance of the collection:

True seeds only (Coldstore)

Availability of material for exchange:

Freely available

Documentation and evaluation:

The collection has been evaluated and information is available in the form of an inventory. Data on resistance to dry rot, late blight, golden nematode, common scab, root eelworm, frost, etc. are available.

PERU

International Potato Center (CIP)
Apartado Postal 5969
Lima

Curator/person in charge:

Z. Huamán

Details of samples:

13000
8400 primitive cvs.
Samples of 120 wild relatives

Geographical representation of the collection:

World collection (73% Peru, 7% Bolivia, 3.8% Colombia, 7.4% Chile, also Ecuador, Guatemala, Venezuela and Argentina)

Maintenance of the collection:

Tubers, True seeds Coldstore; Tissue culture

POTATO

Availability of material for exchange: Freely available

Documentation and evaluation: Extensive evaluation has been done and information stored on a computer for: Yield (t/ha), pedigree, details of crosses, resistance to diseases, viruses, nematodes and insect pests; frost resistance, harvest index. Preliminary evaluation is according to the agreed descriptors.

PERU

Centro de Investigación de Cultivos Andinos
Universidad Nacional del Cusco
Apartado Postal 367
Cusco

Curator/person in charge: R. Chávez

Details of samples: 1400 and
1350 primitive cvs.

Geographical representation of the collection: Andean Region and national collection of Peru

Maintenance of the collection: Tubers

Availability of material for exchange: Freely available

Quarantine restrictions: No restrictions

Documentation and evaluation: Evaluation and documentation has been carried out and information recorded for the following: Taxonomy and morphology, agronomic evaluation, environmental adaptability, disease and pest reactions, dry matter and biochemical evaluation.

POLAND

Institute of Potato Research
Bonin
75-016 Koszalin

Curator/person in charge: K.M. Swiezynski

Details of samples: 845 cvs.
4 primitive cvs.
36 wild relatives

Geographical representation of the collection: Cultivars mostly of Eastern Europe

Maintenance of the collection: Tubers. Seeds (Coldstore)

Availability of material for exchange: Freely available

POTATO

Quarantine restrictions:

No restrictions

Documentation and evaluation:

Evaluation and documentation have been carried out for: Variety, breeder or place of breeding (i.e. source, country, year of release, pedigree), earliness, starch content, colour of skin, smoothness of skin, type of shape, regularity of tuber shape, size of tubers, depth of eyes, resistance to second growth, resistance to cracking, colour of flesh, uniformity of flesh, after cooking darkening, raw tuber darkening, flavour, consistency, colour of chips, resistance to mechanical damage, resistance to wart disease, resistance to common scab, resistance to late blight, dry rot, soft rot and root-eelworm, dormancy factor, colour of flowers, abundance of flowering and berry set.

SRI LANKA

Central Agricultural Research Institute
Division of Agronomy
Gonnoruwa, Peradeniya

Curator/person in charge:

C.R. de Vaz

Details of samples:

49 cvs.

Geographical representation of the collection:

Mostly of Sri Lanka

Maintenance of the collection:

Tubers

Availability of material for exchange:

Freely available.

UNITED KINGDOM

University of Birmingham
Department of Plant Biology
P.O. Box 363
Birmingham B15 2TT

Curator/person in charge:

J.G. Hawkes

Details of samples:

722 samples
158 wild relatives

Geographical representation of the collection:

Latin America, Europe

Maintenance of the collection:

Mostly seed (Coldstore)

Availability of material for exchange:

Freely available

Documentation and evaluation:

The collection is catalogued and used mostly for experimental taxonomy.

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POTATO

UNITED KINGDOM

Commonwealth Potato Collection
Scottish Plant Breeding Station
Pentlandfield
Roslin, Midlothian EH25 9RF

Curator/person in charge: D. Glendinning

Details of samples: 6000⁺ including comprehensive collection of wild species. Stocks free of Potato Spindle Tuber Virus available. Duplicate samples from Dutch-German collection in Braunschweig are stored for safekeeping.

Geographical representation of the collection: Worldwide

Maintenance of the collection: True seeds, Tubers (Coldstore)

Availability of material for exchange: Seeds freely available (but restricted to 25 samples per request)

Quarantine restrictions: Tubers and living material must go through plant quarantine

Documentation and evaluation: Evaluation has been done and information (computerized) on the following is available: Tuber quality and resistance to viruses X, Y, leaf roll, eelworm, foliage blight (*Phytophthora infestans*), tuber blight, gangrene (*Phoma exigua* var. *foveata*), skin spot (*Polyscytalum pustulans*), common scab (*Streptomyces scabies*), dry rot (*Fusarium solani* var. *coeruleum*), wart (*Synchytrium endobioticum*), soft rot (*Erwinia carotovora* var. *atrodoeptica*) and potato cyst nematode.

USA

Inter-Regional Potato Introduction Station
Sturgeon Bay
Wisconsin 54235

Curator/person in charge: R.E. Hanneman Jr.

Details of samples: 846 primitive cvs.
2005 wild relatives

Geographical representation of the collection: USA, Mexico, Central and South America, particularly Andean zone

Maintenance of the collection: Mostly true seeds but also as tubers. Refrigerated room, glass and screen houses, and meristem culture storage facilities are used.

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POTATO

Availability of material for exchange:	2-6 tubers or 50 seeds per sample
Quarantine restrictions:	Foreign shipments must go through the USDA Plant Inspection Station
Documentation and evaluation:	The collection is evaluated by users and information is compiled in an inventory. Screening data available for: Viruses A, X and Y, leaf roll, late blight, <i>Verticillium</i> wilt, ring rot, bacterial wilt, golden nematode, potato aphid and leaf hopper.

USSR

Tuber Crops Division
N.I. Vavilov Institute of Plant Industry
44 Herzen Street
190000 Leningrad

Details of samples:	9435 including primitive cvs. and wild relatives
Geographical representation of the collection:	Worldwide
Availability of material for exchange:	Available
Documentation and evaluation:	Much has been evaluated; documentation is in progress.

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SWEET POTATO



SWEET POTATO

AUSTRALIA

Department of Primary Industries
P.O. Box 591
Ayr 4807
Queensland

Curator/person in charge: J.E. Barnes
Details of samples: 15
Geographical representation of the collection: Australia and introductions from the USA
Maintenance of the collection: Tubers.

BARBADOS

Ministry of Agriculture
P.O. Box 505
Barbados

Details of samples: 30
Geographical representation of the collection: West Indies
Maintenance of the collection: Tubers.

BRAZIL

Departamento de Fitotecnia - C.C.A.,
Universidade Federal de Viçosa
Viçosa, MG

Details of samples: 12
3 primitive cvs.
Geographical representation of the collection: Brazil, USA
Maintenance of the collection: Tubers
Availability of material for exchange: Freely available.

BRAZIL

Centro Nacional de Pesquisa de Mandioca e Fruticultura (CNPMPF)
Rua Lauro Passos, C.P. 007 CEP 44,380
Cruz das Almas, Bahia

Details of samples: 67
Geographical representation of the collection: Brazil (Bahia)

SWEET POTATO

Maintenance of the collection: Tubers

Availability of material for exchange: Small quantities available for export

Documentation and evaluation: This collection has been evaluated and documented for the following characters: Scion type, leaf colour, size and shape, petiole colour, top colour, blossom (yes or no), total number of roots per plant, number of marketable roots per plant, shape of roots, root epidermis colour, root pulp colour, yield, scion yield.

COSTA RICA

Centro Agronómico Tropical de Investigación y Enseñanza (CATIE)
Apartado 74
Turrialba

Details of samples: 100⁺ cvs. and relatives

Geographical representation of the collection: S. America and Costa Rica

Maintenance of the collection: Tubers, Coldstore.

CHINA

Asian Vegetable Research and Development Center
P.O. Box 42, Shanhua
Tainan 741

Curator/person in charge: C.L. Luh

Details of samples: 389

Geographical representation of the collection: Southeast Asia, Japan, China

Maintenance of the collection: Tubers and seeds, Coldstore

Documentation and evaluation: Documentation of the collection has been done using SAS computer program. Information on the following is available: Accession number, cultivar name, USDA PI, days to maturity, yield (t/ha), origin and source, % dry matter, % protein, root flesh colour, B-carotene (mg), reaction to weevil, reaction to witches' broom, growth habit, vine colour, vine internode, vine pubescence, leaf colour, flowering and skin colour.

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SWEET POTATO

FIJI

Koronivia Research Station
Ministry of Agriculture and Fisheries
P.O. Box 77
Nausori

Details of samples:	30
Geographical representation of the collection:	Fiji
Maintenance of the collection:	Tubers
Availability of material for exchange:	Freely available
Documentation and evaluation:	Evaluated for yield, earliness, eating quality, ease of harvest, disease resistance and storage.

INDONESIA

Lembaga Pusat Penelitian Pertanian
P.O. Box 110
Bogor

Curator/person in charge:	R. Soenarjo
Details of samples:	1200 many local cvs.
Geographical representation of the collection:	Indonesia and some introductions
Maintenance of collection:	Tubers, Coldstore.

JAMAICA

Crop Research Division
Ministry of Agriculture
P.O. Box 480
Kingston 6

Curator/person in charge:	J.R.R. Suah
Details of samples:	35
Geographical representation of the collection:	West Indies
Maintenance of the collection:	Tubers, moist wrappings
Availability of material for exchange:	Freely available

SWEET POTATO

Quarantine restrictions: None

Documentation and evaluation: Evaluation and documentation has been done for the following: Growth characteristics, production, storage qualities and effects of soil compaction on production.

JAPAN

Plant Germplasm Institute
Faculty of Agriculture
Kyoto University
Kyoto

Details of samples: 200⁺ (including primitive cvs.)
50⁺ wild relatives
I. purpurea Lam.; *Quamoclit* Moench

Geographical representation of the collection: Japan, Southeast Asia; wild species from Mexico and Andean zone

Maintenance of the collection: Tubers and seeds; Coldstore

Availability of material for exchange: Freely available

Quarantine restrictions: No restrictions for seeds

Documentation and evaluation: Information on evaluation or documentation was not available but collection data is catalogued.

JAPAN

Kyushu National Agricultural Experiment Station
2450 Suya, Nishigoshi
Kikuchi
Kumamoto, 861-11

Curator/person in charge: S. Sakamoto

Details of samples: 599

Geographical representation of the collection: Japan, China, Philippines, USA, Mexico, Brazil, Peru, Australia and Oceania

Maintenance of the collection: Tubers and true seed; tuberstore

Documentation and evaluation: Evaluation has been carried out for the following: Yield, starch content, % dry matter, resistance to nematodes, vein and foliage characteristics, flesh and skin colour, and taste and storage characteristics.

SWEET POTATO

JAPAN

Kyushu National Agricultural Experiment Station
1340 Jucho, Ibusuki
Kagoshima, 891-04

Details of samples:	1000 20 primitive cvs. 112 wild relatives
Geographical representation of the collection:	Tropical America
Maintenance of the collection:	Tubers and seeds (in desiccators)
Availability of material for exchange:	Freely available
Quarantine restrictions:	No restrictions for seeds
Documentation and evaluation:	Evaluation has been partly carried out. Details can be provided on request.

NIGERIA

Genetic Resources Unit
IITA, P.M.B. 5320, Oyo Road,
Ibadan

Curator/person in charge:	W. Steele
Details of samples:	100 ⁺ cvs.
Geographical representation of the collection:	Sierra Leone, Benin, Ghana, Togo, Niger, Nigeria, Tanzania
Maintenance of the collection:	Tubers
Availability of material for exchange:	Freely available
Quarantine restrictions:	Imported material must pass through quarantine
Documentation and evaluation:	Evaluation has been carried out mainly on disease resistance. Documented information is available on the following: Fresh yield (t/ha), dry matter, dry yield (t/ha), resistance to weevil, resistance to virus and storability.

PAPUA NEW GUINEA

Department of Primary Industry
Highlands Agriculture Experiment Station
Aiyura
P.O. Box 384
Kainantu E.H.P.

Curator/person in charge:	M. Bourke
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SWEET POTATO

Details of samples: 260 local cvs.
96 cvs. maintained at Keravat and others at Laloki

Geographical representation of the collection: Papua New Guinea, Nigeria, Andean zone

Maintenance of the collection: Tubers

Availability of material for exchange: Freely available

Quarantine restrictions: No restrictions

Documentation and evaluation: Evaluation has been done at four stations (Aiyura, Keravat, Laloki and Tumbul) for the following characters: Yield, tuber nitrogen content, susceptibility to sweet potato weevil and leaf scab (*Elcinoe batatas*), yield of top growth, roots and tuber number, tuber shape and size, and palatibility.

PHILIPPINES

Institute of Plant Breeding
University of Philippines
College of Agriculture
Los Baños

Details of samples: 308 cvs.

Geographical representation of the collection: Philippines and Southeast Asia

Maintenance of the collection: Tubers; Coldstore.

PHILIPPINES

Philippine Root Crop Research & Training Center
Visayas State College of Agriculture
Baybay, Leyte

Curator/person in charge: M.R. Villanueva

Details of samples: 769 cvs.

Geographical representation of the collection: Southeast Asia and some introductions

Maintenance of the collection: Tubers

Documentation and evaluation: Documented information on evaluation is available. Evaluation on yield and other desirable agronomic characteristics has been done. More detailed work is in progress.

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SWEET POTATO

SRI LANKA

Central Agricultural Research Institute
Gannoruwa
Peradeniya

Curator/person in charge:	C.R. de Vaz
Details of samples:	49 cvs.
Geographical representation of the collection:	Sri Lanka
Maintenance of the collection:	Tubers
Availability of material for exchange:	Freely available
Quarantine restrictions:	No restrictions.

USA

USDA, SEA-AR
Vegetable Laboratory
2875 Savannah Highway
Charleston
South Carolina 29407

Curator/person in charge:	A. Jones
Details of samples:	1250 (including population samples) 50 primitive cvs. 385 wild relatives (all true seeds)
Geographical representation of the collection:	Worldwide
Maintenance of the collection:	Tubers and true seed; controlled environment room
Availability of material for exchange:	Freely available
Quarantine restrictions:	U.S. quarantine regulations apply
Documentation and evaluation:	Evaluation has been done and the data is well documented. Information is available on following: Accession number, identification, source and other notes, chromosome number, resistance to Fusarium wilt, root-knot nematode and soil insects.

SWEET POTATO

USA

Louisiana Sweet Potato Research Center
P.O. Box 120
Chase
Louisiana 71324

Details of samples:

100 cvs.
14 primitive cvs.

Geographical representation of
the collection:

World wide

Maintenance of the collection:

Tubers and seeds; short-term seedstore

Availability of material for exchange:

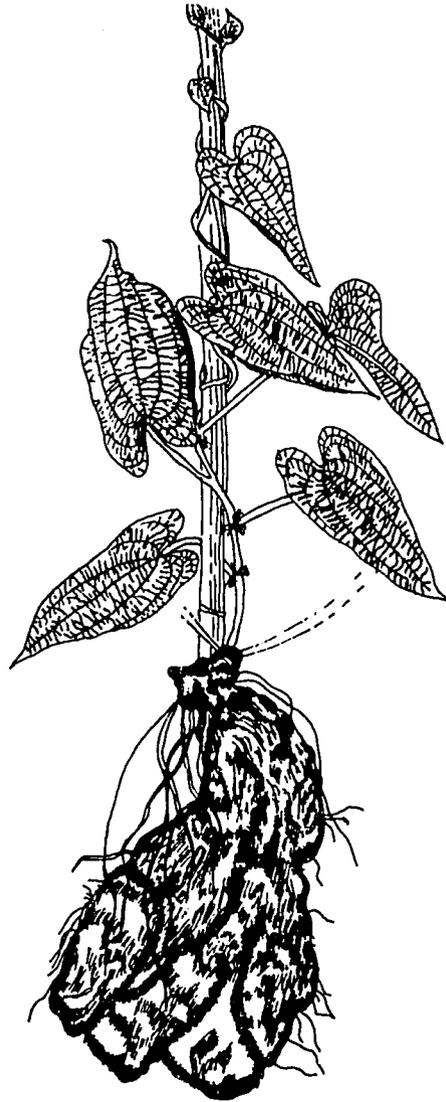
Freely available up to 20 Kg per cv. All
shipments freight collect and import
certificate must be provided by requestor.

Documentation and evaluation:

Evaluation and documentation have been done
on the basis of the following: Yield,
disease reactions, insect tolerance, culinary
characteristics, flavour, colour, moistness,
and carbohydrates.

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YAMS



YAMS

BRAZIL

Centro Nacional de Pesquisa de Mandioca e Fruticultura
C.P. 7
44.380 Cruz das Almas,
Bahia

Details of samples: 28 samples
9 primitive cvs.

Geographical representation of the collection: Brazil (State of Bahia)

Maintenance of the collection: Plants

Availability of material for exchange: Not available at the present

Documentation and evaluation: No evaluation has been carried out.

CAMEROON

Institut de Recherches Agricoles et Forestières du Cameroun
Bambui

Details of samples: 20 *D. alata*
9 *D. bulbifera*
17 *D. cayenensis*
14 *D. dumetorum*
3 *D. esculenta*
2 *D. liebrechtiana*
12 *D. rotundata*
8 *D. schimperiana*
3 *D. trifida*

Maintenance of the collection: Plants.

CHINA

Kiangsu Provincial Institute of Botany
Nanking - Kiangsu

Curator/person in charge: Ren-Hara Shan

Details of samples: *D. alata*
D. bulbifera
D. kamoensis
D. opposita
D. zingiberensis

Geographical representation of the collection: Fujian, Yunnan, and Heubei Provinces of China

Maintenance of the collection: Plants, Seedstore and Tissue culture

Availability of material for exchange: Available in limited quantities i.e. tubers 1000 g, seeds 50 g, bulbils 200 g.

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YAMS

FIJI

Koronivia Research Station
Ministry of Agriculture & Fisheries
P.O. Box 77
Nausori

Details of samples:

90 cvs. *D. alata*
16 cvs. *D. esculenta*

Geographical representation of
the collection:

Fiji

Maintenance of the collection:

Plants

Availability of material for exchange:

Small quantities freely available

Documentation and evaluation:

Evaluation is carried out on the following
characters: Yield, harvest index, tuber
number and size, ease of harvest, dry matter
of roots, storage potential of roots and
disease resistance.

INDONESIA

National Biological Institute
P.O. Box 110
Bogor

Curator/person in charge:

S. Sastrapradja (Director)

Details of samples:

143 samples of 18 spp.

Geographical representation of
the collection:

Mostly local cvs. from Indonesia but other
samples from Southeast Asia

Maintenance of the collection:

Plants

Availability of material for exchange:

Freely available

Documentation and evaluation:

Evaluation is in progress according to the
agreed descriptors.

INDONESIA

Purwodadi Botanic Garden
P.O. Box 5
Lawang, East Java

Curator/person in charge:

R.R. Bimantoro

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YAMS

Details of samples: Mostly primitive cultivars 30 *D. alata*
5 *D. bulbifera*
4 *D. esculenta*
8 *D. hispida*
2 *D. nummularia*
4 *D. pentaphylla*

Geographical representation of the collection: Indonesia

Maintenance of the collection: Plants

Availability of material for exchange: Freely available in limited quantities

Documentation and evaluation: Evaluation has been carried out and the agreed descriptors will be used for documentation.

IVORY COAST

Ecole National des Sciences de l'Agriculture
Abidjan

Details of samples: 300⁺

Geographical representation of the collection: Africa

Maintenance of the collection: Plants.

JAMAICA

Crop Research Division
Ministry of Agriculture
P.O. Box 480
Kingston 6

Curator/person in charge: J.R.R. Suah

Details of samples: Unspecified number of samples of 6 spp.

Geographical representation of the collection: West Indies

Maintenance of the collection: Plants

Documentation and evaluation: Information is available on the following:
Production, storage quality, growth characteristics, and disease resistance.

NEW CALEDONIA

ORSTOM
Noumea

Details of samples: 200⁺

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YAMS

Geographical representation of the collection:

Pacific Islands

Maintenance of the collection:

Plants.

NIGERIA

National Root Crops Research Institute
Umudike PMB 1006
Umuahia Imo State

Curator/person in charge:

O.O. Okoli

Details of samples:

Unspecified number of samples of 6 spp.

Geographical representation of the collection:

Nigeria

Maintenance of the collection:

Plants

Availability of material for exchange:

Freely available in limited quantities

Documentation and evaluation:

Evaluation and documentation have been done and information on the following characters is available: Colour and thickness of sprout, nature and orientation of cataphyll, priddiness and thickness of mature vine, size and shape of leaves, height of foliation, density of foliage, arrangement of foliage, colour of new and old leaves, flowering habit (male, female, non-flowering), score for vigour, local disease resistance, earliness to maturity, storability and eating quality.

NIGERIA

Genetic Resources Unit
IITA
PMB 5320, Oyo Road,
Ibadan

Curator/person in charge:

W. Steele

Details of samples:

223 *D. alata*
14 *D. bulbifera*
32 *D. cayenensis*
32 *D. dumetorum*
4 *D. esculenta*
253 *D. rotundata*
76 Unidentified spp.
61 Wild relatives

Geographical representation of the collection:

Benin, Nigeria, Niger, Sierra Leone, and Tanzania

YAMS

Maintenance of the collection:	Plants and seeds
Availability of material for exchange:	Freely available
Quarantine restrictions:	Imported material is grown out at Moor Plantation Quarantine Station
Documentation and evaluation:	Evaluation mainly on disease resistance has been carried out. Documented information is available on the following characteristics: Yield (t/ha), consumer acceptance and quality, virus resistance, anthracnose and leaf spot resistance.

PAPUA NEW GUINEA

Department of Primary Industry
Highlands Agriculture Experiment Station
Aiyura
P.O. Box 384
Kainantu E.H.P.

Curator/person in charge:	M. Bourke
Details of samples:	40 ⁺ samples of 4 species (This collection is in association with the University of Papua New Guinea which has plans for collecting throughout the country).
Geographical representation of the collection:	Papua New Guinea
Maintenance of the collection:	Plants
Availability of material for exchange:	Freely available
Quarantine restrictions:	No restrictions
Documentation and evaluation:	Evaluation is in progress at the University. The agreed descriptors will be used for documentation.

PHILIPPINES

Philippine Root Crop Research & Training Center
Visayas State College of Agriculture
Baybay, Leyte

Curator/person in charge:	M. Villanueva
Details of samples:	404 samples
Geographical representation of the collection:	Southeast Asia
Maintenance of the collection:	Plants

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YAMS

Documentation and evaluation:

Evaluation has been carried out for yield and desirable agronomic characteristics. Further work is in progress and the agreed descriptors will be used for documentation.

SOLOMON ISLANDS

Ministry of Agriculture & Lands
Dodo Creek Research Station
Honiara

Curator/person in charge:

C.V.H. Jackson

Details of samples:

7100 samples including

D. alata
D. bulbifera
D. esculenta
D. nummularia

(*D. nummularia* and *D. bulbifera* grow wild in the Islands)

Geographical representation of the collection:

Solomon Islands

Maintenance of the collection:

Plants: some important *D. alata* in tissue culture

Availability of material for exchange:

Freely available in tissue culture form only

Quarantine restrictions:

Restrictions on vegetative material

Documentation and evaluation:

Evaluation has been done and information provided in a report available on request. *D. alata* cultivars are evaluated for resistance to *Colletotrichum gloeosporioides* dieback.

SRI LANKA

Central Agricultural Research Institute
Division of Agronomy
Gonnoruwa
Peradeniya

Curator/person in charge:

C.R. de Vaz

Details of samples:

21 cvs.

Geographical representation of the collection:

Sri Lanka

Maintenance of the collection:

Plants

Availability of material for exchange:

Freely available in limited quantities.

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