

DIRECTORY OF GERMPASM COLLECTIONS



IBPGR

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ion = 32993

**cereals:
II Maize**



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INTERNATIONAL BOARD FOR PLANT GENETIC RESOURCES

DIRECTORY OF GERMPLASM COLLECTIONS

III. CEREALS

2. MAIZE

by

G. Ayad, Jane Toll and J.T. Esquinas-Alcazar
Consultants and Genetic Resources Officer

IBPGR Secretariat
Rome, 1980

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 maize.

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, indices seminum 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 to incorporate information on all major holdings. Additions and corrections will be welcomed.

J.T. Williams
Executive Secretary

AFGHANISTAN

Plant Genetic Resources Unit
Ministry of Agriculture and Land Reform
Darul Aman Research Station
Kabul

Curator/person in charge:	M.A. Rashid
Details of samples:	<i>Z. mays</i> , 101 landraces
Geographical representation:	Afghanistan
Evaluation and documentation:	Partial and manual
Storage:	Medium-term. Seeds stored in cans at 0°C and 35% R.H.

ARGENTINA

Estación Experimental Regional Agropecuaria
Instituto Nacional de Tecnología Agro-
pecuaria (INTA)
Casilla de Correo 31
2700 Pergamino

Curator/person in charge:	J. Safont Lis
Details of samples:	<i>Z. mays</i> , 3000 landraces (1600 recently collected)
Geographical representation:	Mainly Argentina but also Uruguay and other countries
Evaluation and documentation:	Ca. 2000 Argentinian collections evaluated for plant, inflorescence, cob and grain characteristics and pest and disease resistance (79 descriptors). Data computerized. The recently collected material will be scored according to the IBPGR list of descriptors and the races classified.
Storage:	Seeds with 7% m.c. stored in laminated foil bags at -15°C for long-term storage and at ca. 0°C for medium-term storage. Duplicates at CIMMYT, Mexico and at several centres in South America.

BOLIVIA

Centro de Investigaciones Fitotécnicas y
Ecogenéticas de Pairumani
Casilla 128
Cochabamba

Curator/person in charge:

G. Avila

Details of samples:

Z. mays, 2220 landraces and cultivars
(1350 recently collected)

Geographical representation:

Bolivia

Evaluation and documentation:

Partial and manual. The recently collected material will be scored according to the IBPGR list of descriptors and the races classified

Storage:

Medium-term. Seeds with 8% m.c. stored in laminated foil bags at 0-4°C. Duplicates at CIMMYT, Mexico

BRAZIL

Empresa Brasileira de Pesquisa Agro-
pecuaria (EMBRAPA)
Centro Nacional de Recursos
Genéticos (CENARGEN)
Cx. P. 10.2372
70.000 Brasilia D.F.

Curator/person in charge:

D. Giacometti (National Coordinator for Genetic Resources)

Details of samples:

Z. mays, 620 landraces and cultivars collected recently

Geographical representation:

Brazil

Evaluation and documentation:

The material will be scored according to the IBPGR list of descriptors and the races classified. Data computerized

Storage:

As an active collection at:-
Centro Nacional de Pesquisa de
Milho e Sorgo (CNPMS)
Cx. P. 151
37.700 Sete Lagoas - M.G.

Curator: R. de Oliviera Feldmann

This collection will be duplicated at CENARGEN, Brasilia where both long-term (-18°C) and medium-term (-1°C) stores will be operational in 1981. CENARGEN coordinates the germplasm actives of Brazil

BULGARIA

Institute of Introduction and Plant
Research
K- Malkov
4122 Sadovo
Plovdiv

Curator/person in charge:

K. Kostov

Details of samples:

Z. Mays, subspecies *identata* and *Zea*
spp. Numbers unspecified but mostly
introductions

Geographical representation:

Unspecified

Evaluation and documentation:

Partial and manual

Storage:

Active

CANADA

Plant Gene Resources of Canada (PGR)
Central Office
Ottawa Research Station
Ottawa, Ontario K1A 0C6

Curator/person in charge:

R. Loiselle

Details of samples:

Z. mays, 2800 landraces and cultivars

Geographical representation:

Unspecified

Evaluation and documentation:

Evaluation by individual plant breeders

Storage:

Long-term. Seeds with 7-8% m.c. stored
in sealed laminated foil packets at
-20°C. Active collections maintained
at research stations throughout Canada

CHILE

Instituto Nacional de Investigaciones Agro-
pecuarias (INIA)
Programa de Maíz y Sorgo
Casilla 5427
Santiago

Curator/person in charge:

Details of samples:

Geographical representation:

Evaluation and documentation:

Storage:

O. Paratori Bevilacqua

Z. mays, 300 landraces and cultivars
(collected 1950-1958) but much material
has been lost and is being recollected

Chile

Complete for: number of days to
flowering, plant height, ear length and
shape, number of rows per ear, number of
leaves, grain shape and colour. Recently
collected material will be scored
according to the IBPGR list of descriptors
and the races classified

Active. No controlled temperature and
humidity. Duplicates at CIMMYT, Mexico
and INTA, Argentina

CHINA

Crop Germplasm Institute (CGI)
Chinese Academy of Agricultural
Sciences (CAAS)
Beijing

Curator/person in charge:

Details of samples:

Geographical representation:

Evaluation and documentation:

Storage:

Xu Yun-Tian

Z. mays, details unknown. Recollection
of native varieties in progress

China and other countries

Many local varieties show tolerance to low
temperature and are early maturing (60 days)

Active at institutes of the CAAS and at
provincial Agricultural Academies where
storage conditions vary from room-tempera-
ture to -10°C. The CGI coordinates the
national germplasm actives. A medium-
term store is under construction at Beijing
and a long-term store is planned. This
national genebank will hold duplicates of
all germplasm collections.

COLOMBIA

Instituto Colombiano Agropecuario (ICA)
Tibaitatá
A.A. 151173 El Dorado
Bogotá

Curator/person in charge:

M. Torregroza and L. López

Details of samples:

Zea spp. 4890 landraces, cultivars
and wild species

Geographical representation:

Colombia and other South American
countries

Evaluation and documentation:

Partial and computerized

Storage:

Seeds stored at 12°C. Long-term store
proposed. Duplicates at CIMMYT, Mexico

COSTA RICA

Centro Agronómico Tropical de
Investigación y Enseñanza (CATIE)
Programa de Recursos Genéticos
Turrialba

Curator/person in charge:

J. León

Details of samples:

Z. mays, 30 landraces

Geographical representation:

Costa Rica

Evaluation and documentation:

Partial and data on edge-punched cards

Storage:

Seeds with 4-6% m.c. stored in sealed
plastic foil envelopes at -20°C for long-
term storage and in paper bags at 5°C
and 30-40% R.H. for medium-term storage

COSTA RICA

Facultad de Agronomía
San José

Curator/person in charge:

Details of samples:

Z. mays, 300 landraces

Geographical representation:

Costa Rica

Evaluation and documentation:

Partial and manual

Storage:

Active

CUBA

Centro de Experimentación de Semillas (CES)
Instituto de Investigaciones Fundamentales
en Agricultura Tropical (INIFIAT)
Habana

Curator/person in charge:	R. Martinez Viera
Details of samples:	<i>Z. mays</i> , 118 landraces and cultivars
Geographical representation:	Cuba
Evaluation and documentation:	Partial and manual
Storage:	Active

CZECHOSLOVAKIA

Maize Research Institute
917 52 Trnava

Curator/person in charge:	E. Javorek
Details of samples:	<i>Z. mays</i> , 1306 landraces, hybrids and inbred lines
Geographical representation:	Many countries, unspecified. Mostly introductions
Evaluation and documentation:	Partial
Storage:	Medium-term. Seeds stored at 3-4°C. Duplicates in long-term storage at the Institute of Genetics and Plant Breeding, Prague - Ruzyne

ETHIOPIA

Plant Gentic Resources Center
P.O. Box 30726
Addis Ababa

Curator/person in charge:	Melaku Worede
Details of samples:	<i>Z. mays</i> , 16 + landraces and cultivars
Geographical representation:	Ethiopia
Evaluation and documentation:	Partial and data on edge-punched cards
Storage:	Seeds with 5-6% m.c. stored in sealed foil packets at -20°C for long-term storage and in cans at 4°C and 30% R.H. for medium-term storage. Permanently sealed cans to be introduced as long-term storage containers. Duplicates at Braunschweig, FRG.

FRANCE

Institut National de la Recherche
Agronomique (INRA)
Station d'Amélioration des Plantes
Domaine de Crouelle
63100 Clermont Ferrand

Curator/person in charge:

M. Rousset

Details of samples:

Z. mays, 100 +

Geographical representation:

Unspecified

Evaluation and documentation:

Storage:

Active

GERMANY, DEMOCRATIC REPUBLIC

Zentralinstitut für Genetik und
Kulturpflanzenforschung
Corrensstrasse 3
4325 Gatersleben

Curator/person in charge:

C. Lehmann

Details of samples:

Z. mays, 459 landraces and hybrids

Geographical representation:

Bulgaria, Canada, China, Czechoslovakia,
Hungary, Italy, Morocco, Poland, USA,
USSR, Yugoslavia

Evaluation and documentation:

Partial and computerization in progress

Storage:

Seeds with 8-9% m.c. stored in glass jars
with silica gel at -15°C for long-term
storage and at -5-0°C and 30% R.H. for
medium-term storage. Duplicates at VIR,
Leningrad, USSR.

GHANA

Crops Research Institute
Plant Introduction and Exploration Section
Agricultural Research Station
Bunso

Curator/person in charge:	H.L.O. Holloway
Details of samples:	<i>Z. mays</i> , 15 landraces
Geographical representation:	Ghana
Evaluation and documentation:	Partial and manual
Storage:	Active. Duplicates at IITA, Ibadan, Nigeria and the Agricultural Research Station, Okumaning, Ghana

GREECE

Cereai Institute
Thessalonika

Curator/person in charge:	J. Karayiannis
Details of samples:	<i>Z. mays</i> , 42 landraces
Geographical representation:	Greece
Evaluation and documentation:	Partial and manual
Storage:	Active. Long-term store proposed. Duplicates at Bari, Italy

HUNGARY

Section for Plant Introduction and Gene
Bank
National Institute of Agrobotany
Tapioszele 2766

Curator/person in charge:	L. Holly
Details of samples:	<i>Zea</i> spp. 230 landraces, introductions and wild species
Geographical representation:	Austria, Bulgaria, Czechoslovakia, Hungary, Poland, Romania, USSR, Egypt, Morocco, Spain, Sudan, Yugoslavia, China
Evaluation and documentation:	Partial and computerized
Storage:	Medium-term. Seeds with 5-8% m.c. stored in air-tight containers at 4°C and 15-50% R.H. Long-term store (-20°C) under construction

INDIA

All India Coordinated Maize Improvement
Project
Cummings Laboratory
Indian Agricultural Research Institute
(IARI)
New Delhi - 110012

Curator/person in charge:

Joginder Singh

Details of samples:

Z. mays. Large collection including
1571 recently collected landraces and
cultivars from the Himalayan region

Geographical representation:

India

Evaluation and documentation:

The races of the Himalayan material have
been classified

Storage:

Active. The collection will be duplicated
at NBPGR, New Delhi, where a long-term
seed store is planned. NBPGR coordinates
the national germplasm activities.
Director, K.L. Mehra

IRAQ

Agricultural Research Centre
Genetic Resources Unit
Abu Ghraib
Bagdad

Curator/person in charge:

A.T. Sharif

Details of samples:

Z. mays, 10 landraces and cultivars

Geographical representation:

Iraq

Evaluation and documentation:

Partial and manual

Storage:

Medium-term. Seeds stored in cans at
5-10°C.

ITALY

Instituto del Germoplasma del CNR
Via G. Amendola 165/A
70126 Bari

Curator/person in charge:

E. Porceddu

Details of samples:

Z. mays, 600 landraces

Geographical representation:

Algeria, Greece, Italy, Portugal,
Spain, Tunisia

Evaluation and documentation:

Partial for tolerance to extreme
environments, disease resistance and
yield components. Data computerized

Storage:

Seeds with 5-6% m.c. stored in sealed cans
or vacuum sealed foil packets at -18°C
for long-term storage and at 0°C and 40%
R.H. for medium-term storage. Duplicates
at: Institut de Développement des Grandes
Cultures, Algiers, Algeria; Cereal
Institute, Thessalonika, Greece; NUMI,
Braga, Portugal; INIA, Madrid, Spain;
and VIR, Leningrad, USSR

JAPAN

National Institute of Agricultural
Sciences (NIAS)
Division of Genetics
Seed Storage Laboratory
Kannondai 3.1.1.
Yakabe-machi
Tsukuba-gun
Ibaraki-Ken 300-21

Curator/person in charge:

K. Kumagai

Details of samples:

Z. mays, 2654 landraces, cultivars and
inbred lines

Geographical representation:

Asia and South America

Evaluation and documentation:

Partial and computerized

Storage:

Seeds with 6-7% m.c. stored in vacuum
sealed cans at -10°C for long-term
storage and in screw lid cans at -1°C
and 35% R.H. for medium-term storage

JAPAN

Plant Germplasm Institute
Faculty of Agriculture
Kyoto University
Mukoshi
Kyoto 617

Curator/person in charge:

M. Tanaka

Details of samples:

Z. mays, 800 landraces. *Z. mexicana*
(*Euchalena mexicana*) 207. *Z. mays* x
Z. mexicana 20. *Tripsacum* spp. 16

Geographical representation:

Argentina, Bolivia, Brazil, Chile,
Guatemala, Honduras, Mexico, Nepal, Peru

Evaluation and documentation:

Partial and computerized

Storage:

Medium-term. Seeds stored in vacuum
sealed cans at 5°C and 50-70% R.H.
Duplicates at NIAS, Tsukuba, Japan

KENYA

National Agricultural Research Station
P.O. Box 450
Kitale

Curator/person in charge:

D. Mathuka

Details of samples:

Z. mays. ca.1500

Geographical representation:

Kenya and other countries

Evaluation and documentation:

Partial

Storage:

Medium-term (5°C).

KOREA

Department of Agriculture
College of Agriculture
Choong-Nam National University
Daejeon

Curator/person in charge:

B. Choe

Details of samples:

Z. mays, 1000 + landraces

Geographical representation:

Korea

Evaluation and documentation:

In progress for characters important
for breeding

Storage:

Active

MALAWI

Chitedze Agricultural Research Station
P.O. Box 158
Lilongwe

Curator/person in charge:

P. Sibale

Details of samples:

Z. mays, 113 landraces and 237 introduced
cultivars

Geographical representation:

Malawi and introductions

Evaluation and documentation:

Partial for yield components and disease
resistance

Storage:

Medium-term. Seeds stored in tins,
jars or packets at 6-10°C and 50% R.H.
Duplicates at CIMMYT, Mexico and IITA,
Ibadan, Nigeria

MEXICO

Centro Internacional de Mejoramiento de
Maiz y Trigo (CIMMYT)
A.P. 6-641
Londres 40
Mexico D.F.

Curator/person in charge:

E. Sprague

Details of samples:

Z. mays, *Z. mexicana*, *Z. perennis*,
13850 landraces, cultivars, inbred lines
and wild species

Geographical representation:

World collection

Evaluation and documentation:

6000 samples have been evaluated at 2-3
locations for number of days to flowering,
plant height, lodging, resistance, harvest
index (tropical maize), maturity, adaptive
range, drought tolerance, fertilizer
response, day-length sensitivity, protein
content, yield potential, disease and pest
resistance. Computerization of data in
progress

Storage:

Medium-term. Seeds stored in tins at
0°C and 45% R.H. 6000 samples are
duplicated at NSSL, USA.

MEXICO

Instituto Nacional de Investigaciones
Agrícolas (INIA)
Unidad de Recursos Genéticos
Arcos de Belem, 79
Mexico, D.F.1.

Curator/person in charge:

F. Cárdenas Ramos

Details of samples:

Z. mays, 8000 landraces and cultivars

Geographical representation:

Mexico and other South American countries

Evaluation and documentation:

Partial and manual

Storage:

Seeds stored in sealed paper bags at
5°C and 10% R.H. for medium-term storage.
Duplicates at CIMMYT, Mexico

NETHERLANDS

Foundation for Agricultural Plant Breeding (SVP)
Institute De Haaf
P.O. Box 117
Wageningen

Curator/person in charge: H. Lamberts
Details of samples: *Z. mays*, 700
Geographical representation: Unspecified
Evaluation and documentation:
Storage: Medium-term. Seeds with 6-12% m.c. stored in cans or envelopes at 2°C and 15-20% R.H. A National Gene Bank is proposed.

NICARAGUA

Centro de Enseñanza e Investigación y
Extensión Agropecuaria
Ministerio de Desarrollo Agropecuaria
Carretera Norte Km. 12,5
Managua

Curator/person in charge:
Details of samples: *Z. mays*, landraces. Number unspecified
Geographical representation: Nicaragua
Evaluation and documentation: Partial and manual
Storage: Active. Duplicates at CIMMYT, Mexico

NIGERIA

International Institute of Tropical
Agriculture (IITA)
Genetic Resources Unit (GRU)
P.M.B. 5320
Ibadan

Curator/person in charge: W.M. Steele
Details of samples: *Z. mays*, 545 landraces
Geographical representation: Cameroon, Gambia, Ghana, Ivory Coast, Kenya, Liberia, Malawi, Mali, Nigeria, Sudan, Tanzania, Togo, Upper Volta, Zambia
Evaluation and documentation: In progress. Data computerized
Storage: Seeds with 6% m.c. stored in foil envelopes at -20°C for long-term storage and at 0°C and 60% R.H. for medium-term storage

PAKISTAN

Agricultural Research Council (ARC)
Islamabad

Curator/person in charge:

Anwar Khan

Details of samples:

Z. mays, 21 landraces and 264 introductions

Geographical representation:

Pakistan and introductions

Evaluation and documentation:

Partial and manual

Storage:

Medium-term. Seeds stored in cans at 0°C.

PARAGUAY

Instituto Agronomico Nacional
Ministerio de Agricultura y Ganadería
KM 48
Caacupe

Curator/person in charge:

R. Suarez

Details of samples:

Z. mays, 230 landraces

Geographical representation:

Paraguay

Evaluation and documentation:

The material will be scored according to the IBPGR list of descriptors and the races classified

Storage:

Active. Duplicates at INTA, Argentina; CENARGEN, Brazil and CIMMYT, Mexico

PERU

Programa Cooperativo de Investigaciones
en Maiz
Universidad Nacional Agraria 'La Molina'
Apartado 456
Lima

Curator/person in charge:

R. Sevilla Panizo

Details of samples:

Z. mays, 3444 landraces and cultivars

Geographical representation:

Peru

Evaluation and documentation:

In progress and data computerized. Recently collected material will be scored according to the IBPGR list of descriptors and the races classified

Storage:

Medium-term. Seeds stored in jars at 0-4°C and 50% R.H. Duplicates at NSSL, Colorado, USA and CIMMYT, Mexico

PHILIPPINES

National Plant Genetic Resources Laboratory
Institute of Plant Breeding
University of the Philippines at Los Baños
Laguna 3720

Curator/person in charge: N.G. Mamipic
Details of samples: *Z. mays*, 1332 landraces and cultivars
Geographical representation: Unspecified
Evaluation and documentation:

Storage: Seeds with 5% m.c. stored in sealed containers at -10°C for long-term storage and at 5°C for medium-term storage.

PORTUGAL

Nucleo de Melhoramento di Milho (NUMI)
Braga

Curator/person in charge: L. Freire de Andrade
Details of samples: *Z. mays*, 418 landraces
Geographical representation: Portugal
Evaluation and documentation: Partial and manual
Storage: Medium-term. Seeds stored in coldrooms at -2°C and -4°C. Long-term seed store (-18°C) under construction. Duplicates at Bari, Italy

ROMANIA

Research Institute for Cereals and Technical
Plants
8264 Fundulea
Jud. Ilfov

Curator/person in charge: P. Varga

Details of samples: *Z. mays*, 3200 landraces, cultivars and inbred lines of which ca. 800 are local landraces

Geographical representation: Romania and introductions

Evaluation and documentation: Partial and manual

Storage: Active. Duplicates at VIR, Leningrad, USSR.

SPAIN

Instituto Nacional de Investigaciones
Agrarias (INIA)
Banco de Germoplasma
Finca 'El Encin'
Ap. 127 Alcala de Henares
Madrid

Curator/person in charge: M.A. Bueno and A. Monteaguado

Details of samples: *Z. mays*, 1040 landraces, cultivars and inbred lines of which ca. 100 are local landraces

Geographical representation: Spain and other Mediterranean countries

Evaluation and documentation: Partial and computerization in progress

Storage: Medium-term (-2°C) and long-term (-18°C, 25 -30% R.d. and -20°C) stores. Duplicates at research stations at Guisamo, Spain; Bari, Italy and VIR, Leningrad, USSR.

SWITZERLAND

Federal Agricultural Research Station
Reckenholzstrasse 191/211
8046 Zurich

Curator/person in charge: G. Popow

Details of samples: *Z. mays*, 150 landraces

Geographical representation: Switzerland

Evaluation and documentation: Complete for earliness and morphological characters

Storage: Medium-term. Seeds with 6% m.c. stored in deep freeze cabinets

SYRIA

Agricultural Research Centre
Genetic Resources Unit
P.O. Box 113
Douma

Curator/person in charge: M.R. Rifaie
Details of samples: *Z. mays*, 72 landraces and cultivars
Geographical representation: Syria and introductions
Evaluation and documentation: Partial and manual
Storage: Medium-term. Seeds stored in cans at 5°C.

TURKEY

Aegean Regional Agricultural Research
Institute (ARARI)
P.O. Box 9
Menemen
Izmir

Curator/person in charge: Kasif Temiz
Details of samples: *Z. mays*, 486 landraces collected in 1973
Geographical representation: Turkey
Evaluation and documentation: Computerization in progress
Storage: Medium-term. Seeds with 6% m.c. stored in sealed metal cans at 0°C. Long-term store (-15°C) constructed but not yet operational

UNION OF SOVIET SOCIALIST REPUBLICS

N.I. Vavilov All-Union Institute of
Plant Industry (VIR)
44 Herzen Street
Leningrad

Curator/person in charge: V.F. Dorofeev
Details of samples: *Z. mays*, 15084 landraces and cultivars
Geographical representation: World-wide
Evaluation and documentation: Partial and computerized
Storage: Seeds with 2-8% m.c. stored in sealed cans at -10°C for long-term storage and at 4-5°C and 30% R.H. for medium-term storage. Some duplicates at Bari, Italy and INIA, Madrid, Spain

UNITED KINGDOM

Plant Breeding Institute (PBI)
Maris Lane
Trumpington
Cambridge CB2 1Q

Curator/person in charge:

H.H. Rodgers

Details of samples:

Z. mays, 183 landraces

Geographical representation:

Nepal, Northern India and Northern
Pakistan. Collected 1971 - 1976

Evaluation and documentation:

Partial and computerized

Storage:

Seeds with 7-8% m.c. stored in foil
pouches in deep freeze cabinets at -20°C
for long-term storage and in envelopes
or bags at $1-2^{\circ}\text{C}$ and 20-25% R.H. for
medium-term storage. Duplicates of the
Pakistan collection at Lyallpur University
of Agriculture

UNITED STATES OF AMERICA

National Seed Storage Laboratory (NSSL)
U.S. Department of Agriculture
Colorado State University
Fort Collins, Colorado 80523

Curator/person in charge:

L.N. Bass

Details of samples:

Zea spp. 1619 landraces, cultivars,
inbred lines and wild species. In
addition 6000 samples from the CIMMYT
Maize Collection. To date only part of
the USA collections are deposited in
Fort Collins

Geographical representation:

World-wide

Evaluation and documentation:

Passport data computerized

Storage:

Long-term. Seeds with 4-7% m.c.
stored in permanently sealed cans at
 -10°C .

UNITED STATES OF AMERICA

North Carolina State University
Raleigh
North Carolina 27650

Curator/person in charge:

M. Goodman

Details of samples:

Z. mays, numbers unknown

Geographical representation:

South America

Evaluation and documentation:

Storage:

Active

UNITED STATES OF AMERICA

North Central Regional Plant
Introduction Station
Iowa State University
Ames, Iowa 50010

Curator/person in charge:

W.H. Skrdla

Details of samples:

Z. mays, 2607 landraces, cultivars and lines

Geographical representation:

World-wide

Evaluation and documentation:

Virtually complete and computerized for 37 descriptors including: Seed type and colour; cob length, colour and number of kernal rows; plant height and vigour; ear, node, and tiller number; stalk breakage; lodging; number of days to silk and disease resistance (smut, rust, blight, European corn borer, root worm, stalk rot). The data are entered into the National Germplasm Resources Information System of the USDA at Fort Collins.

Storage:

Medium-term. Duplicates at NSSL, USA. The Germplasm Resources Laboratory, Beltsville, Maryland 20705, is the national focal point for the introduction, documentation, initial distribution and exchange of germplasm. Plant Introduction Officer, G.A. White.

UNITED STATES OF AMERICA

Southern Regional Plant Introduction
Station
Experiment, Georgia 30212

Curator/person in charge: W.R. Longford

Detail of samples: 1 *Tripsacum lanceolatum*; 1 *T. laxum*,
54 *Zea mexicana* (*Euchlaena mexicana*)

Geographical representation: Guatemala, Honduras, Mexico, USA

Evaluation and documentation:

Storage: Medium-term

UNITED STATES OF AMERICA (PUERTO RICO)

Instituto Mayaguezano de Agricultura
Tropical
USDA, SEA-AR
P.O. Box 70
Mayaguez, Puerto Rico 00708

Curator/person in charge:

Details of samples: *Z. mays*, 100 landraces

Geographical representation: Puerto Rico

Evaluation and documentation: Partial and manual

Storage: Active. Duplicates at CIMMYT, Mexico

URUGUAY

Facultad de Agronomía
Universidad de La República
Montevideo

Curator/person in charge:

J.L. de Leon and G.M. Fernandez

Details of samples:

Z. mays, 850 recently collected landraces

Geographical representation:

Uruguay

Evaluation and documentation:

The material will be scored according to the IBPGR list of descriptors and the races classified

Storage:

Active. At present maintained in a cold-room. Duplicates at INTA, Pergamino, Argentina and C^{MMYT}, Mexico

VENEZUELA

Centro Nacional de Investigaciones
Agropecuarias (CENIAP)
Apartado 4653
Maracay

Curator/person in charge:

A. Bejarano

Details of samples:

Z. mays, 172 landraces

Geographical representation:

Venezuela

Evaluation and documentation:

Partial and manual

Storage:

Medium-term. Seeds stored at 8°C and 45% R.H.

YUGOSLAVIA

Institute of Maize Research
Germplasm Department
P.O. Box 89
Zemun 11081
Belgrade

Curator/person in charge:

J. Dumanovic

Details of samples:

Z. mays, 15000 + landraces, cultivars
and introduced hybrids

Geographical representation:

South East and South West Asia, Africa,
South America and USA.

Evaluation and documentation:

Evaluation in progress. Computer
facilities available

Storage:

Medium-term. Seeds stored at 4°C. Long-
term seed store proposed. Duplicates
at the Maize Breeding Station, Novi Sad,
Yugoslavia

ZAMBIA

Mount Makulu Agricultural Research Station
P.O. Box 7
Chilanga

Curator/person in charge:

R.K. Chungu

Details of samples:

Z. mays, 74 landraces

Geographical representation:

Zambia

Evaluation and documentation:

Storage:

Medium-term. Seeds stored at 4-9°C and
55% R.H. Duplicates at IITA, Ibadan,
Nigeria