Bibliographic databases for plant germplasm collectors

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At various points in this volume, the collector is referred to the literature. For example, Chapter 9 deals with the specialist taxonomic, floristic, ecological and conservation literature and Chapter 10 with information sources on the physical and socioeconomic environment. Other chapters deal with the literature on such specific topics as the taxonomy of cultivated species (Chapter 7), the cultural setting of target areas (Chapter 12) and crop pests (Chapter 17). Chapter 20 recommends that the literature be searched prior to collecting to ascertain the seed storage type of target species. Chapter 24 urges workers developing in vitro collecting procedures to search the literature for references to successful methods of regenerating plants from in vitro explants. These are all extensive topics and all that it has been possible to do in many cases is refer to published bibliographies and some of the major review works. More efficient ways of gaining access to the literature are needed.

This is a general problem in science. As more and more scientific information is generated around the world, it becomes increasingly difficult to keep track of developments in a given field. This growth in the scientific literature has led to the appearance of abstract journals and more recently to computerized databases. Three of the major agricultural databases are AGRIS (managed by the Food and Agriculture Organization (FAO)), AGRICOLA (US National Agricultural Library) and CAB Abstracts (CAB International, or CABI). The printed hard-copy versions of these databases are, respectively: Agrindex, Bibliography of Agriculture and 50 specialized CABI abstracting journals. Some of the CABI publications are mentioned in other chapters, for example Seed Abstracts in Chapter 20 in connection with acquiring information on the seed storage type of particular species. These large bibliographic databases are available through 'hosts' such as DIALOG, DIMDI and ESA-IRS, which provide the necessary computing facilities.
to store, update and search them. The prospective user must register with and obtain a password from a host service before access to the database is permitted. In order to search a database the user must have a computer, communications software, a modem and a telephone line. Such on-line searching has an obvious advantage over manual searching of printed abstract journals in that it is much more rapid and flexible. Also, the databases are updated much more frequently than their printed versions are produced. However, some knowledge of the host command language will be necessary. Also, costs are high: they include telecommunications and host connection charges and a fee for each record extracted from the database.

In the developing world on-line searching is often not a viable option due to the occasional unreliability of telecommunications and the problem of recurring expenditure. However, in the past few years compact disk read-only memory (CD-ROM) technology for information storage has become readily and relatively cheaply available. As a result, rapid access to large bibliographic and other databases is now possible anywhere in the world without the problems associated with on-line searching. Over 600 megabytes of data may be stored on a standard 12 cm plastic optical compact disk, the equivalent of 300,000 written pages of information. A special CD-ROM reader is needed to read the disk. Readers can be purchased as separates but very often are now included as an integral part of a personal computer. The software supplied with the CD-ROM databases usually allows complex searches on multiple keywords and downloading into word processing or personal database files. A CD-ROM database may not be as up to date as its on-line counterpart: hosts update the databases monthly, weekly or even daily but CD-ROM updates are sent to users usually only quarterly and in some cases annually. Also, though a CD-ROM stores a vast amount of information, some databases are spread on to two or three disks, and unless one has a multiple CD-ROM drive it is not possible to search the whole database in one go.

Information units and libraries in various international organizations involved in agricultural research and development – for example FAO and the international agricultural research centres (IARCs) – provide collaborators with access to bibliographic databases. The programmes of the IARCs depend on strong information support and therefore make extensive use of both in-house and externally available bibliographic databases in printed, CD-ROM and on-line formats. The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), for example, runs the Semi-Arid Tropical Crops Information Service (SATCRIS) using its in-house SATCRIS bibliographic database, which includes data downloaded from CAB Abstracts and AGRIS as well as books and materials acquired by its library. Users of the ICRISAT library also have access to AGRIS, AGRICOLA and CAB Abstracts on CD-ROM. Many IARCs regularly produce printed bibliographies and abstracts lists specific to their mandate crops and
regions. For example, the Centro Internacional de Mejoramiento de Maiz y Trigo (CIMMYT) publishes the *Cassava Bibliographic Bulletin*, a quarterly alert service on cassava. The International Board for Plant Genetic Resources (IBPGR) produced a one-off listing of crop genetic resources literature covering the period 1975–83 extracted from various CABI abstracting journals and other sources. However, CABI now collaborates with The International Plant Genetic Resources Institute (IPGRI) to produce the quarterly abstracts journal *Plant Genetic Resources Abstracts* and the CD-ROM PlantGeneCD. Details of the information services of FAO and the IARCs are given in Appendix 13.1.

Some regional agricultural research organizations also provide online access to commercial databases, as well as developing their own. Many developing countries now have national agricultural information services equipped with CD-ROM readers. For example, AGRIS on CD-ROM is distributed to AGRIS Participating Centres. The Technical Centre for Agricultural and Rural Cooperation (CTA) has supplied personal computers, CD-ROM readers, laser printers, bibliographic databases on disk and training to many agricultural libraries in African, Caribbean and Pacific (ACP) countries. CTA also runs a Question-and-Answer Service and has published specialized bibliographies. Fisher *et al.* (1990), sponsored by CTA, describe agricultural information resource centres worldwide. Keenan and Wortley (1994) is also published by CTA. Lilley (1994) is another general guide to sources of information in agriculture and horticulture while Davis (1987) provides a survey of information sources for botanists.

Table 13.1 gives a list of agricultural and plant sciences bibliographic databases that may be useful to germplasm collectors in gathering background information on their target taxa and region during the planning stages of their work. Coverage of the on-line versions of databases usually goes further back in time than that of CD-ROM versions (databases that are only available on CD-ROM are marked with an asterisk). In addition to PlantGeneCD, there are further specialized CD-ROMs by CABI on agricultural economics, horticulture, soil science and crop protection.

Bibliographic databases in the field of the environment are referred to in Chapter 9. A *Directory of Online Databases* is published twice a year by Gale Research in the USA and the UK, giving details of databases and the on-line host services providing access to them. It is also available on-line through Data-Star, on magnetic tape and on diskette. The contact address is given below. For a full list of CD-ROMs available, consult *CD-ROMs in Print 1991*, which is published annually by Meckler, or Mitchell (1991). To keep track of developments in the field, including new issues, a useful journal is *CD-ROM End User*. 

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*Note: The text continues with further information on bibliographic databases.*
Table 13.1. Agricultural and plant sciences bibliographic databases useful to germplasm collectors.

<table>
<thead>
<tr>
<th>Name</th>
<th>Contents</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRICOLA (US Department of Agriculture (USDA))</td>
<td>Records of material received by US National Agricultural Library and associated institutions; mostly US publications</td>
<td>From 1970</td>
</tr>
<tr>
<td>AGRIS (FAO)</td>
<td>Worldwide coverage of food, agriculture and fisheries, including input from 160 national centres</td>
<td>From 1975</td>
</tr>
<tr>
<td>Biological Abstracts (BioScience Retrieval Services)</td>
<td>Current research in the biological sciences; covers journals from 100 countries</td>
<td>On-line from 1969</td>
</tr>
<tr>
<td>On-line version: Biosis Previews</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAB Abstracts (CABI)</td>
<td>Worldwide coverage of journals, books, conferences and reports covering agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine</td>
<td>On-line from 1972. CD-ROM from 1984</td>
</tr>
<tr>
<td>Compact International Agricultural Research Library Basic Retrospective Set (Consultative Group on International Agricultural Research (CGIAR))</td>
<td>Full text of CGIAR international research centre publications</td>
<td>From 1962 to 1986</td>
</tr>
<tr>
<td>Musadisk (International Network for the Improvement of Banana and Plantain (INIBAP))</td>
<td>Worldwide literature on cultivation, harvest, transport and trade of bananas and plantains (MUSALIT). Information on researchers and institutions (BRIS). Factual data (e.g. statistics). List of accessions held in collections. Expert system for cultivar identification</td>
<td>CD-ROM forthcoming. MUSALIT and BRIS on-line at INIBAP</td>
</tr>
<tr>
<td>PlantGeneCD (CABI)*</td>
<td>Worldwide coverage of crop genetics, plant breeding and plant genetic resources</td>
<td>From 1973</td>
</tr>
</tbody>
</table>
### Table 13.1. continued

| SCI CDE (Institute for Scientific Information) | CD-ROM version of Science Citation Index, containing bibliographic information from 3100 international science journals | On-line from 1974. CD-ROM from 1980 |
| On-line version: SCISEARCH | | |
| SESAME (Centre de Coopération Internationale en Recherche Agronomique Pour le Développement (CIRAD)) | French literature on agricultural research and rural development in the tropics | From 1989 |
| TREECD (CABI)* | Forestry information from CAB printed journals Forestry Abstracts, Forest Products Abstracts and Agroforestry Abstract | From 1939 |
| TROPAG & RURAL (Royal Tropical Institute (KIT); since 1993, the Abstracts in collaboration with CIRAD and Natural Resources Institute (NRI)). | Agriculture and rural development in tropics and subtropics, including grey literature from developing countries; corresponds to Abstracts on Tropical Agriculture and Abstracts on Rural Development in the Tropics | From 1975 |

* Only available on CD-ROM.

### References


Useful addresses

Major bibliographic databases

**Directory of on-line databases**
Gale Research Inc.
835 Penobscot Bldg.
Detroit, MI 48226–4094
USA
Tel: + 1 313 9612242
Fax: + 1 313 9616815
Telex: 810 221 7087

**AGRICOLA**
US Department of Agriculture
Science and Education Administration
Technical Information Systems
Room 300
National Agricultural Library Building
Beltville, MD 20705
USA
E-mail: jmanjin@asrr.arsusda.gov

**AGRIS**
AGRIS/CARIS
Coordinating Centre
FAO
Via delle Terme di Caracalla
00100 Rome
Italy
Tel: + 39 6 57974993
Fax: + 39 6 57973152,
57975155 or 5782610
Telex: 625852 FAO I

**BIOSIS**
BioScience Retrieval Services
2100 Arch Street
Philadelphia
PA 19103–1399
USA
Tel: + 1 800 5234806

**SESAME**
Centre de Coopération Internationale en Recherche Agronomique Pour le Développement (CIRAD)
BP 5035
34052 Montpellier Cedex 1
France
Tel: + 33 67 615800
Fax: + 33 67 615820
Telex: 670871
INFRANCA

**CAB Abstracts**
CAB International
Wallingford
Oxfordshire OX10 8DE
United Kingdom
Tel: + 44 1491 832111
Fax: + 44 1491 833508
Telex: 847964
COMAGG G
E-mail: cabi@cabi.org

**TROPAG & RURAL**
Royal Tropical Institute (KIT)
Department of Information and Documentation
Mauritskade 63
1092 AD Amsterdam
The Netherlands
Tel: + 31 20 5688711
Fax: + 31 20 5688444
Telex: 15080 KIT

Plant Genetic Resources Abstracts can be ordered from CABI UK or any of the following addresses:

**North America**
845 North Park Avenue
Tucson
Arizona 85719
USA
Tel: + 1 800 5284841
or + 1 602 6217897
Fax: + 1 602 6213816

**Asia**
PO Box 11872
50760 Kuala Lumpur
Malaysia
Tel: + 60 3 2552922
Fax: + 60 3 2551888
Telex: 28031 CABI MA

**Caribbean and Latin America**
Gordon Street
Curepe
Trinidad and Tobago
Tel: + 809 6624173
Fax: + 809 6632959
Telex: 24438 CARIRI
Hosts

Dialog Information
Services Inc.
3460 Hillview Avenue
Palo Alto
CA 94304
USA
Tel: +1 415 8582700
Fax: +1 415 8587069
Telex: 334499 DIALOG

Data-Star
Plaza Suite
114 Jermyn Street
London SW1Y 6HJ
UK
Tel: +44 171 9305503
Fax: +44 171 9302581

STN International
c/o Japan Information
Center of Science and
Technology
CPO Box 1478
Tokyo 100
Japan
Tel: +81 3 5816411
Fax: +81 3 5816446

DIMDI
Weisshausstrasse 27
PO Box 420580
5000 Cologne 41
Germany
Tel: +49 221 47241
Fax: +49 221 411429
Telex: 8881364 DIM

ESA-IRS
Via Galileo Galilei
PO Box 64
00044 Frascati
Italy
Tel: +39 6 94011
Fax: +39 6 9401361

CD-ROMs

SilverPlatter
One Executive Park
Newton Lower Falls
MA 02162 1449
USA
Tel: +1 617 9691332
Fax: +1 617 9695554

SilverPlatter publishes many CD-ROM databases, including AGRICOLA, AGRIS, BIOSIS, CAB-CD and TROPAG & RURAL.

Other sources of information on information sources

Technical Centre for Agriculture and Rural Cooperation (CTA)
Postbus 380
NL-6700 AJ Wageningen
The Netherlands
Tel: +31 8380 60400
Fax: +31 8380 31052
Telex: 30169 CTA

CTA is mandated under the Lomé Convention to work to provide ACP states with better access to information, research, training and innovations in agricultural development and extension. It has co-published Agricultural Information Resource Centres: A World Directory 1990 (with the International Association of Agricultural Information Specialists (IAALD); see References, a two-volume directory of Tropical Agriculture Information Sources (Vol. 1: European Community; Vol. 2: ACP countries) and a booklet on Online Information Sources for Tropical Agriculture. CTA also publishes a bimonthly bulletin, Spore.
CGNet Services
1024 Hamilton Court
Menlo Park, California
USA 94025
Tel: +1 415 325 3061
Fax: +1 415 325 2313
Telex: 490 000 5788 CGN
E-mail: 157:CGI100; cgnet@cgnet.com

CGNet Services is a not-for-profit organization which provides advice on, and assistance with, information technology to researchers in developing countries, including on-line access to information sources, electronic mail, internetworking and CD-ROM subscriptions.

APPENDIX 13.1
Information resources of FAO and the commodity IARCs

The basis of the information recorded here is the Information Resources of the International Agricultural Research Centres (INTAGRES) brochure. INTAGRES has kindly agreed to allow its reproduction. The information in the brochure was updated by means of a questionnaire sent out to all the relevant organizations in late 1993.

Note: Under E-mail, the Dialcom address is given, followed by a semicolon and the Internet address.

Food and Agriculture Organization of the United Nations (FAO)

Subject coverage

Agriculture, forestry, fisheries, nutrition.

In-house databases (selected)

- ESHD Data Base: agrarian reform, agricultural education, demography, human resources, rural development, rural women.
- FAO Documentation Data Base (FAODOC).
- FAO Library Monographs Data Base (FAOLIB).
- FAO Library Serials Data Base. Access software: CDS/ISIS.
- Population Documentation Centre Data Base (PDC): demographic statistics, population policy, rural development, rural women.

External databases

- AGRIS (CD-ROM).
- BEASTCD (CD-ROM).
- CAB Abstracts (CD-ROM).
- DIALOG.
- ESA-IRS.
- TREecd (CD-ROM).
• TROPAG & RURAL (CD-ROM).
• VETCD (CD-ROM).

Networking and cooperative systems

• AGLINET (International Agricultural Libraries Network).
• AGRIS Input Centre.

Information Unit publications

• FAO Documentation – Current Bibliography.

Contact information

David Lubin Memorial Library
FAO
Via delle Terme di Caracalla
00100 Rome
Italy
Tel: +39 6 57973703
Fax: +39 6 57973152, 57975155 or 5782610
Telex: 625852 FAO 1

International Network for the Improvement of Banana and Plantain (INIBAP)

Subject Coverage

Musa (bananas and plantains).

In-house databases

• BRIS: trilingual database on Musa researchers, research projects and institutions. Access software: Micro-CDS/ISIS.
• MUSALIT: trilingual bibliographic database including abstracts, conventional and non-conventional literature on Musa compiled by INIBAP, IRFA/CIRAD (France), UPED (Panama) and (soon) PCARRD (Philippines). Access software: Texto, Micro-CDS/ISIS.

External databases

• Agritrop (on-line).
• SESAME (CD-ROM).

Networking and cooperative systems

• Regional networks for Asia/Pacific, Latin America/Caribbean, West and Central Africa, East Africa.
Information Unit publications

- Directory of Researchers Working on Banana and Plantains.
- Directory of Musa Research Projects and Institutions.
- Informusa, an international magazine on bananas and plantains.
- Musarama, the International Bibliographic Abstract Journal on Banana and Plantain.

Contact information

Information/Documentation Unit
INIBAP
Parc Scientifique Agropolis
34397 Montpellier Cedex 5
France
Tel: +33 67 611302
Fax: +33 67 610334
Telex: 490376 F
E-mail: INIBAP; inibap@cgnet.com

International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)

Subject coverage

Sorghum, pearl millet, pigeonpea, chickpea, groundnut, farming systems for the semiarid tropics, soils, agroclimatology and the socioeconomics of the semiarid tropics related to agriculture and agricultural development.

In-house databases

- Aflatoxin Contamination of Groundnuts. Access software: Micro CDS/ISIS.
- Busseola fusca Database. Access software: Micro CDS/ISIS.
- SATCRIS: Includes books acquired by the library, apart from data downloaded from CABI and AGRIS. Access software: BASIS and Micro CDS/ISIS.

External databases

- AGRICOLA (CD-ROM).
- AGRIS (CD-ROM).
- Books in Print (CD-ROM).
- CAB Abstracts (CD-ROM).
- DIALOG.
- IARC Union Catalog of Serials.
- Pesticide Disk (CD-ROM).
- SESAME (CD-ROM).

Networking and cooperative systems

- AGRIS Input Center.
- AGLINET (International Agricultural Libraries Network).
Bibliographic databases for plant germplasm collectors

- CLAN (Cereals and Legumes Asia Network).
- West African Farming Systems Research Network.

Information Unit publications

- *Forthcoming Conferences in Agriculture and Related Sciences: A Selected List.*
- *International Chickpea Newsletter.*
- *International Pigeonpea Newsletter.*
- *International Arachis Newsletter.*

Specialized information services

Semi-Arid Tropical Crops Information Service (SATCRIS).

Contact information

Library and Documentation Services
ICRISAT
Patancheru
AP 502 324
India
Tel: +91 842 224016
Fax: +91 842 241239
Telex: 422203 or 4256366 ICRI IN
Email: ICRISAT; icrisat@cgnet.com

International Center for Integrated Mountain Development (ICIMOD)

Subject coverage

*Agriculture, population, employment, roads, watershed management, tourism, environment, energy, women in mountain development and natural resources within the Hindu Kush Himalayas.*

In-house databases

- Bibliographic. Access software: CDS/ISIS.
- Serials. Access software: CDS/ISIS.

External databases

- AGRIS.
- CAB Abstracts.
- Food, Agriculture and Science (CD-ROM).
Networking and cooperative systems

• Mountain Information Exchange Network.

Information Unit publications

• Bibliographies.
• New Documents in Library (bimonthly).
• New Serials in Library (fortnightly).

Contact information

Mountain Documentation and Information Exchange Division
ICIMOD
PO Box 3226
Kathmandu
Nepal
Tel: +977 1 525313
Fax: +977 1 524509
Telex: 2439 ICIMOD NP
Cable: ICIMOD Kathmandu

Asian Vegetable Research and Development Center (AVRDC)

Subject coverage

Chinese cabbage, mungbean, onion, garlic, peppers, shallots, sweet potato, tomato, soybeans.

In-house databases

• AVLIB: Bibliographic records on Chinese cabbage, garlic, onion, mungbean, pepper, shallot, soyabean, sweet potato, tomato and other vegetables. Access software: MINISIS.
• Chinese: Bibliographic records in Chinese. Access software: MINISIS.
• HOLD: Titles and holdings of journal collections. Access software: MINISIS.
• INSM: Institution directory. Access software: MINISIS.
• THESMAST: Controlled keywords with hierarchical structure. Access software: MINISIS.

External databases

• AGRICOLA (CD-ROM).
• AGRIS (CD-ROM).
• CAB Abstracts (CD-ROM).

Networking and cooperative systems

• IAALD (International Association of Agricultural Information Specialists).
• Science and Technology Library Network of Republic of China.
Information Unit publications

- Annotated Bibliography of Diamondback Moth.
- Diseases and Insect Pests of Mungbean and Blackgram: A Bibliography.
- Hot Peppers and Sweet Peppers (943 citations).
- Radishes (566 citations).

Contact information

Information and Documentation
AVRDC
PO Box 42
Shanhua, Tainan 74199
Taiwan, Republic of China
Tel: +886 5837801
Fax: +886 5830009
Telex: 73560
Cable: Asveg Shanhua
E-mail: AVRDC; avrdc@cgnet.com

Centro Internacional de Mejoramiento de Maíz y Trigo (CIMMYT)

Subject coverage

Wheat, maize, triticale, breeding, crop management, plant physiology, plant pathology, entomology, biotechnology, food sciences, soils, agricultural economics.

In-house databases

- AGRB: Imported references from AGRIS dealing with cereal production. Access software: BASIS.
- CABI: Imported references and abstracts on maize and wheat from CABI. Access software: BASIS.
- INTD: CIMMYT internal documents. Access software: BASIS.
- LIBR: All books, reprints, reports acquired by the library since 1986. Access software: BASIS.
- SERI: Titles and holdings of CIMMYT subscriptions to journals, newsletters and other serial publications. Access software: BASIS.

External databases

- AGRICOLA (CD-ROM).
- AGRIS (CD-ROM).
- AGRISSEARCH (CD-ROM).
- ARIES (CD-ROM).
- Bancos Bibliográficos Mexicanos I, II and III (CD-ROM).
- Books in Print (CD-ROM).
• DIALOG.
• Food, Agriculture and Science (CD-ROM).
• Food and Human Nutrition (CD-ROM).
• IARC Union Catalog of Serials (CD-ROM).
• KIT Abstracts (CD-ROM).
• LIBRUNAM (CD-ROM) (Book Titles from the National Autonomous University of Mexico).
• LIS (CD-ROM).
• MICROSOFT Bookshelf (CD-ROM).
• POPLINE (CD-ROM).
• SESAME (CD-ROM).
• TROPAG & RURAL (CD-ROM).
• ULRICH'S Serials Directory (CD-ROM).
• World Weather Disk (CD-ROM).

Networking and cooperative systems

• AGRIS Input Center.
• AGLINET (International Agricultural Libraries Network).
• AIIBDA (Intercamerican Association of Agricultural Librarians and Documentalists).
• ANBAGRO (Mexican Agricultural Librarian Association).
• IARC Information Network in Latin America.
• IFLA.

Information Unit publications

• Maize Abstracts (CABI–CIMMYT).
• Scientific Information Bulletin.
• Wheat, Barley and Triticale Abstracts (CABI–CIMMYT).

Contact information

Scientific Information Unit
CIMMYT
Apartado Postal 6–641
06600 Mexico DF
Mexico
Tel: +52 5 7269091 or 9542100
Fax: +52 5 9541069
Telex: 1772023-CIMTME
Cable: CENCIIMMYT
E-mail: CIMMYT; cimmyt@cgnet.com

International Livestock Center for Africa (ILCA)

Subject Coverage

Sub-Saharan Africa livestock production, cattle meat and milk, small ruminant meat and milk, animal traction, animal feed resources, trypanotolerance, livestock policy, resource use.
In-house databases

- ILCA: Bibliographic description (including keywords) of publications produced by ILCA staff. Access software: MINISIS.
- ILCACIB: Includes subsets of AGRIS and CABI databases and bibliographic description (including keywords and abstracts) of all documents acquired by the center library. Access software: MINISIS.
- Mail: Addresses of recipients of ILCA publications. Access software: MINISIS.
- Serial: Titles and holdings of ILCA subscriptions to journals and serials publications. Access software: MINISIS.
- TRACTION: Bibliographic description (including keywords and abstracts) of documents on animal traction. Access software: MINISIS and CDS/ISIS.

External databases

- AGRICOLA (CD-ROM).
- AGRIS (CD-ROM).
- Books in Print (CD-ROM).
- CAB Abstracts (CD-ROM).
- Computer Select (CD-ROM).
- Development Activity Information (CD-ROM).
- IDRIS (Inter-Agency Development Research Information). Access software: MINISIS.
- PADISDEV (Pan-African Documentation and Information System). Access software: MINISIS.
- SESAME (CD-ROM).

Networking and cooperative systems

- AGRIS Input Center.
- IAALD (International Association of Agricultural Information Specialists).
- MUG (MINISIS Users' Group).

Information Unit publications

- Accessions Bulletin.
- Country Catalogs.
- ILCA In-Print.
- Serials Holdings.
- Special Bibliographies.

Contact information

Information Services
ILCA
PO Box 5689
Addis Ababa
Ethiopia
Tel: +251 1 613215
Fax: +251 1 611892
Telex: 21207 ILCA ET
Cable ILCAF ADDIS ABABA
E-mail: ILCA; ilca@cgnet.com
International Institute of Tropical Agriculture (IITA)

Subject coverage

Maize, cowpea, cassava, soybeans, yams, plantain, bambara groundnuts, sustainable agricultural systems in the humid and subhumid tropics.

In-house databases

- ACQ: All books, journals, reprints and audiovisual materials acquired since 1984. Access software: BASIS.
- CAT: Contains references to bibliographic information on journals, books, pamphlets, analyticals, articles, microfiche and microfilm, slides, audio tapes, maps and video cassettes. Access software: BASIS.
- CIR: Records referring to scientists and National Agricultural Research System (NARS) staff.
- STAC: Serial Inventory Control.
- VEN: Records of vendors to IITA library.

External databases

- AGRICOLA (CD-ROM).
- Agricultural Library (CD-ROM).
- AGRIS (CD-ROM).
- AGRISearch (CD-ROM).
- Books in Print (CD-ROM).
- CAB Abstracts (CD-ROM).
- Dissertation Abstracts (CD-ROM).
- Food, Agriculture and Science (CD-ROM).
- FSTA (CD-ROM).
- IARC Union Catalog of Serials (CD-ROM).
- Science Citation Index (CD-ROM).
- SESAME (CD-ROM).
- Social Science Citation Index (CD-ROM).
- TROPAG & RURAL (CD-ROM).
- ULRICH's Serials Directory (CD-ROM).

Networking and cooperative systems

- AGRIS Input Center.
- AGILINET (International Agricultural Libraries Network).
- IAALD (International Association of Agricultural Information Specialists).

Information Unit publications

- A Guide to the Library and Documentation Center.
- Bambara Groundnut (Voandzeia subterranea Thours): Abstracts of World Literature.
- Bibliography of Yams and the Genus Dioscorea.
Bibliographic databases for plant germplasm collectors

- Bibliography of Plantains and Other Cooking Bananas.
- Cassava Bacterial Blight: Abstracts of World Literature.
- Catalogues of Serials.
- Cowpeas (Vigna unguiculata L. Walp): Abstracts of World Literature.
- Guide to the IITA Library Database.
- Guide to Selected Publications on Maize Available in the Library.
- Guide to Selected Publications on Rice Available in the Library.
- Library and Documentation Staff Manual.
- The Winged Bean (Psophocarpus tetragonolobus) and other Psophocarpus Species: Abstracts of World Literature.
- Tropical Grain Legume Bulletin.

Specialized information centres

International Grain Legume Information Center (IGLIC).

Contact information

Library and Documentation Center

IITA

Oyo Road

PMB 5320

Ibadan

Nigeria

Tel: +234 22 400300 to 400319

Fax: +234 1 610650 or +229 301466 (via IITA Benin)

Fax: (INMARSAT) 874-1772276 (Ibadan)

Telex: 31417 or 31159 TROPIB NG

Cable: TROPFOUND IKEJA

E-mail: IITA; iita@cgnet.com

Mailing address:

c/o L.W Lambourn & Co.

Carolyn House

26 Dingwall Road

Croydon CR9 3EE

UK

Tel: +441 81 6869031

Fax: +441 81 6818583

Telex: 851 946979 LWL G

International Rice Research Institute (IRRI)

Subject coverage

Rice and rice-based cropping systems, genetic evaluation and use, control and management of rice pests and diseases, irrigation water management, soil microbiology, climate and rice, constraints on rice yields, consequences of new technology, cropping systems, machinery development and testing.
In-house databases

- Azolla Database.
- Rice Literature Database. Access software: CARDBOX-PLUS.

External databases

- AGRICOLA (CD-ROM).
- Biological Abstracts (CD-ROM).
- CAB Abstracts (CD-ROM).
- Food, Agriculture and Science (CD-ROM).
- IARC Union Catalog of Serials (CD-ROM).

Networking and cooperative systems

- AGLINET (International Agricultural Libraries Network).

Information Unit publications

- 25 Years of IRRI Theses and Dissertations: An Abstract Bibliography.
- A Bibliography of Rice Literature Translations Available in the IRRI Library and Documentation Center.
- International Directory of Rice Workers.
- International Bibliography of Rice Research (with annual supplements and 5 year cumulative indexes).
- International Bibliography on Cropping Systems.
- International Bibliography on Azolla.
- Publications of the International Agricultural Research and Development Centers (CGIAR-IRRI).
- Rice Literature Update (quarterly).
- Theses and Dissertations on Rice Available in Library of IRRI.
- Upland Rice Research: An International Bibliography.

Contact information

Library and Documentation Center
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1099 Manila
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Cable: RICEFOUND, MANILA
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West Africa Rice Development Association (WARDA)

Subject coverage

West African rice development.

In-house databases

- Bibliographic (WARBI): Conventional and non-conventional literature in WARDA library network, focused on West Africa rice literature. Access software: CDS/ISIS.
- Serials (PERIO): Library serials holdings and subscription management. Access software: CDS/ISIS.
- NARS: Rice research institutions and rice scientists. Access software: CDS/ISIS.
- Institutional.
- Statistical.

External databases

- AGRICOLA (CD-ROM).
- AGRIS (CD-ROM).
- CAB Abstracts (CD-ROM).
- CIDARC (CD-ROM and on-line).
- TROPAG & RURAL (CD-ROM).

Networking and cooperative systems

- WARDA Library Network.
- WARIS (West Africa Rice Information Systems).

Information Unit publications

- NARS Directories.
- Recent Accessions Lists.
- Specialized Bibliographies.
- Tables of Contents.
- World Rice References for West Africa.

Contact information

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01 BP 2551
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International Centre for Research in Agroforestry (ICRAF)

Subject coverage

Agroforestry systems and practices, multipurpose trees and shrubs and methodologies for agroforestry research.

In-house databases

- AFBIB: Bibliographic database, including books, reprints and reports in the ICRAF library covering world literature on agroforestry and its related subjects. Access software: Micro CDS/ISIS.
- EPPER: Bibliographic database of journals and newsletters held in the ICRAF library. Access software: Micro-CDS/ISIS.

External databases

- AGRICOLA (CD-ROM).
- AGRIS (CD-ROM).
- CAB Abstracts (CD-ROM).
- SESAME (CD-ROM).
- TREECD (CD-ROM).

Networking and cooperative systems

- AGRIS Input Center.
- CARIS.
- IAAALD (International Association of Agricultural Information Specialists).
- KENISIS (Kenya Micro CDS/ISIS Users Group).
- Kenya Agricultural Research Library.
- NIG (Nairobi Information Group).

Information Unit publications

- Agroforestry Abstracts (CABI–ICRAF)
- Agroforestry Literature: A Selected Bibliography.
- Agroforestry Literature: A Selected Bibliography on Sub-Saharan Africa.
- Economic Analysis of Agroforestry Projects: An Annotated Bibliography.
- Grevillea robusta: An Annotated Bibliography.
- ICRAF Bi-monthly Accessions List.
Contact information

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Centro Internacional de la Papa (CIP)

Subject coverage

Potato, sweet potato and Andean root and tuber crops (biological and socioeconomic aspects), plant pathology, plant breeding, plant physiology, biotechnology, seed technology, food sciences, germplasm, postharvest and tropical agriculture.

In-house databases

- AGRIS: Potato and sweet potato. Access software: BASIS.
- CABI: Potato and sweet potato. Access software: BASIS.
- CIP Database: Bibliographic references from CIP library.
- Potato and Sweet Potato Network Database: Individuals and institutions involved in potato and sweet potato research. Access software: Software 1032.
- Publishing Procedures of Agricultural Journals. Access software: BASIS.

External databases

- AGRIS (CD-ROM).
- BIOSIS.
- DIALOG.
- Food, Agriculture and Science (CD-ROM).
- SESAME (CD-ROM).

Networking and cooperative systems

- AGRIS Input Center.
- AIBDA (Interamerican Association of Agricultural Librarians and Documentalists).
- IAALD (International Association of Agricultural Information Specialists).
- IARC Information Network in Latin America.

Information Unit publications

- Accession Lists.
- CIP Bibliographies.
- Serials Publications Catalog.
Contact information

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Centro Internacional de Agricultura Tropical (CIAT)

Subject coverage

Germplasm development for common beans, cassava, rice and forages in tropical ecosystems; natural resources management; land use and sustainable development for agricultural production, particularly in hillsides, forest margins and savannah ecosystems.

In-house databases

- CINFOS: References and abstracts covering world literature on common beans, cassava and tropical pastures. Access software: CDS/ISIS.
- CATAL: References to books, journals, maps, audiovisuals and audiotutorials in the general collection as well as the collection of Latin American literature on rice. Access software: Micro CDS/ISIS.
- SERIAD: Bibliographic information and holdings for journals, newsletters and serial publications at CIAT. Access software: Micro CDS/ISIS.

External databases

- AGRICOLA (CD-ROM).
- AGRIS (CD-ROM).
- Biological Abstracts (CD-ROM).
- CAB Abstracts (CD-ROM).
- Compact International Agricultural Library Basic Retrospective Set (CD-ROM).
- DIALOG.
- Food Science and Technology Abstracts (CD-ROM).
- SESAME (CD-ROM).
- TROPAG & RURAL (CD-ROM).

Networking and cooperative systems

- AGLINET (International Agricultural Libraries Network).
- AGRIS Input Center.
- AIBDA (Interamerican Association of Agricultural Librarians and Documentalists).
- IAALD (International Association of Agricultural Information Specialists).
Bibliographic databases for plant germplasm collectors

• IARC Information Network in Latin America.
• SNICA (National Sub-System of Information in the Agricultural Sciences).

Information Unit publications

• Boletín bibliográfico.
• Brochures and user guides on information services.
• Quick Bibliographies series.
• Specialized bibliographies on many aspects of cassava, common bean and tropical pasture research as well as others on the small farmer and rural development.

Contact information

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E-mail: CIAT; ciat-library@cgnet.com

International Center for Agricultural Research in the Dry Areas (ICARDA)

Subject coverage

Agriculture in West Asia and North Africa, faba bean, kabuli chickpea, lentil, barley, durum wheat, bread wheat, forage legumes, forage grasses, stress tolerance, disease resistance, farming systems, supplementary irrigation and agro-ecological zoning.

In-house databases

• Directory of Faba Bean and Lentil Research Workers. Access software: Micro-CDS/ISIS.
• ILDOC: ICARDA Library and Documentation Database. Access software: Micro-CDS/ISIS.
• LENS: Comprehensive bibliographic database on lentil. Access software: Micro-CDS/ISIS.
• Networking: Individuals and institutions.

External databases

• AGRICOLA (CD-ROM).
• AGRIS (CD-ROM).
• CAB Abstracts (CD-ROM).
• KSU.
• SESAME (CD-ROM).
Networking and cooperative systems

- AGRIS Input Center.

Information Unit publications

- *Faba Bean in AGRIS.*
- *FABIS Newsletter.*
- *Lentil in AGRIS.*
- *LENS Newsletter.*
- *RACHIS Newsletter.*

Specialized information services

FABIS: Faba Bean Information Services.
LENS: Lentil Experimental News Service.
RACHIS: Barley and Wheat for WANA Researchers

Contact information

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Telex: 331206, 331208, 331263
Cable: ICARDA-Aleppo

International Plant Genetic Resources Institute (IPGRI)

Subject coverage

Plant genetic resources.

In-house databases

- IPGRI library holdings.
- IBPGR project reports.

External databases

- AGRICOLA (CD-ROM).
- AGRIS (CD-ROM).
- CAB Abstracts (CD-ROM).
- Food, Agriculture and Science (CD-ROM).
- SESAME (CD-ROM).
- PlantGeneCD (CD-ROM).
• TRECD (CD-ROM).
• TROPAG & RURAL (CD-ROM).

Networking and cooperative systems

• AGRIS Input Center.

Information Unit publications

• Plant Genetic Resources Abstracts (IPGRI–CABI).

Contact information

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E-mail: IPGRI; ipgri@cgnet.com

International Center for Living Aquatic Resources Management (ICLARM)

Subject coverage

Aquaculture, coastal resource management and fisheries.

In-house databases

• LIBRI: Database containing library holdings such as books and monographs.
• NAGA: Selected journal articles on tropical aquatic resources.

External databases

• DIALOG.
• ASFA (CD-ROM).

Networking and cooperative systems

• PASFIS.
• SEAFIS.
• IAMSLIC.
Contact information

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