

# Bibliographic databases for plant germplasm collectors

# 13

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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 abstracts 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 on-line 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*.

**Table 13.1.** Agricultural and plant sciences bibliographic databases useful to germplasm collectors.

Name	Contents	Coverage
AGRICOLA (US Department of Agriculture (USDA))	Records of material received by US National Agricultural Library and associated institutions; mostly US publications	From 1970
AGRIS (FAO)	Worldwide coverage of food, agriculture and fisheries, including input from 160 national centres	From 1975
Biological Abstracts (BioScience Retrieval Services)	Current research in the biological sciences; covers journals from 100 countries	On-line from 1969
On-line version: Biosis Previews		
CAB Abstracts (CABI)	Worldwide coverage of journals, books, conferences and reports covering agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine	On-line from 1972. CD-ROM from 1984
Coffeeline (International Coffee Organization)	Periodical articles, reports, thesis and audiovisual material on coffee	From 1973. Not available on CD-ROM
Compact International Agricultural Research Library Basic Retrospective Set (Consultative Group on International Agricultural Research (CGIAR))*	Full text of CGIAR international research centre publications	From 1962 to 1986
Musadisk (International Network for the Improvement of Banana and Plantain (INIBAP))	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	CD-ROM forthcoming. MUSALIT and BRIS on-line at INIBAP
PlantGeneCD (CABI)*	Worldwide coverage of crop genetics, plant breeding and plant genetic resources	From 1973

**Table 13.1.** *continued*

SCI CDE (Institute for Scientific Information)	CD-ROM version of <i>Science Citation Index</i> , 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 <i>Forestry Abstracts</i> , <i>Forest Products Abstracts</i> and <i>Agroforestry Abstract</i>	From 1939
TROPAG & RURAL (Royal Tropical Institute (KIT); since 1993, the <i>Abstracts</i> 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 <i>Abstracts on Tropical Agriculture</i> and <i>Abstracts on Rural Development in the Tropics</i>	From 1975

\* Only available on CD-ROM.

## References

- Davis, E.B. (1987) *Guide to Information Sources in the Botanical Sciences*. Libraries Unlimited, Littleton.
- Fisher, R.C., J.C. Peterson, J.W. Beecher, J.S. Johnson and C. Boast (1990) *Agricultural Information Resource Centres: A World Directory*. IAALD, Urbana.
- Keenan, S. and P. Wortley (1994) *Agricultural Bibliographic Information Sources*. CTA, Wageningen.
- Lilley, G.P. (ed.) (1994) *Information Sources in Agriculture and Horticulture*. Butterworths, London.
- Mitchell, J. (ed.) (1991) *The CD-ROM Directory 1991*. 5th edition. TFPL Publishing, London.

## 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  
Beltsville, MD 20705  
USA  
E-mail: [jmangin@asrr.arsudsa.gov](mailto:jmangin@asrr.arsudsa.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](mailto:cabi@cabi.org)

#### *TROPAG & RURAL*

Royal Tropical Institute  
(KIT)  
Department of Informa-  
tion 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 6632859  
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

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

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

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

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

**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 I

### **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.*
- *Infomusa*, 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).

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

#### *Information Unit publications*

- *Chickpea and Pigeon Pea Prompts* (CABI-ICRISAT) – to end 1993.
- *Forthcoming Conferences in Agriculture and Related Sciences: A Selected List*.
- *Groundnut Prompts* (CABI-ICRISAT) – to end 1992.
- *International Chickpea Newsletter*.
- *International Pigeonpea Newsletter*.
- *International Arachis Newsletter*.
- *Sorghum and Millets Abstracts* (CABI-ICRISAT) – to end 1992.

#### *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

E-mail: 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).

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*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, soyabeans.

*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.*
- *Bibliography of Soybean Rust, 1895–1986.*
- *Bibliography of Tropical and Subtropical Soybeans, 1970–1982.*
- *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 Maiz 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).
- AGRISEARCH (CD-ROM).
- ARIES (CD-ROM).
- Bancos Bibliograficos Mexicanos I, II and III (CD-ROM).
- Books in Print (CD-ROM).

- CD-ROM Directory 1992 (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).
- AIBDA (Interamerican 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: CENCIMMYT  
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.
- ILCABIB: 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](mailto:ilca@cgnet.com)

## **International Institute of Tropical Agriculture (IITA)**

### *Subject coverage*

Maize, cowpea, cassava, soyabeans, 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).
- World Weather Disk (CD-ROM).

### *Networking and cooperative systems*

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

### *Information Unit publications*

- *A Guide to the Library and Documentation Center.*
- *A Record of IITA Publications, 1967-1991.*
- *Banbara Groundnut (Voandzeia subterranea Thours): Abstracts of World Literature.*
- *Bibliography of Yams and the Genus Dioscorea.*

- *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.*
- *Farming Systems in Africa: A Working Bibliography.*
- *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.*
- *List of Japanese Rice Literature* (quarterly) (English and Japanese editions).
- *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

IRRI

PO Box 933

1099 Manila

Philippines

Tel: +63 2 8181926

Fax: +63 2 8182087 or 8188470

Telex: 54365 RICE PM via ITT; 22456 IRI PH via RCA; 63786 RICE PN via EASTERN

Cable: RICEFOUND, MANILA

E-mail: IRRI; irri@cgnet.com

## **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*

Library and Documentation Centre  
WARDA  
01 BP 2551  
Bouake  
Côte d'Ivoire  
Tel: +225 633242, 632396 or 634514  
Fax: +225 634714  
Telex: 69138 ADRAO CI, BOUAKE  
Cable: ADRAO BOUAKE CI  
E-mail: WARDA; warda@cgnet.com

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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.
- IAALD (International Association of Agricultural Information Specialists).
- INFOTERRA (UNEP's Global Environment Exchange Network).
- KENISIS (Kenya Micro CDS/ISIS Users Group).
- Kenya Agricultural Research Library.
- NIG (Nairobi Information Group).

### *Information Unit publications*

- *Agroforestry Abstracts (CABI-CRAF)*
- *Agroforestry for Development in Kenya: An Annotated Bibliography.*
- *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.*
- *Technology Monitoring and Evaluation in Agroforestry Projects: An Annotated Bibliography.*

*Contact information*

Information Programme

ICRAF

PO Box 30677

Nairobi

Kenya

Tel: +254 2 521450

Fax: +254 2 521001

Telex: 22048

Cable: ICRAF

E-mail: ICRAF; icraf@cgnet.com

**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*

Information Unit  
CIP  
Apartado 5969  
Lima  
Peru  
Tel: +51 14 354354, 354283  
Fax: +51 14 351570  
Telex: 25672 PE  
Cable: CIPAPA, Lima  
E-mail: CIP; cip@cgnet.com

### **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).

- 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*

Information and Documentation Unit  
CIAT  
Apartado Aereo 6713  
Cali  
Colombia  
Tel: +57 23 675050  
Fax: +57 23 647243  
Telex: 05769 CIAT CO  
Cable: CINATROP  
E-mail: CIAT; [ciat-library@cgnet.com](mailto: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).

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*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*

Library

ICARDA

PO Box 5466

Aleppo

Syria

Tel: +963 21 550465, 551280

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).

- TREECD (CD-ROM).
- TROPAG & RURAL (CD-ROM).

*Networking and cooperative systems*

- AGRIS Input Center.

*Information Unit publications*

- *Plant Genetic Resources Abstracts* (IPGRI-CABI).

*Contact information*

Library  
IPGRI  
Via delle Sette Chiese 142  
00145 Rome  
Italy  
Tel: +39 6 51892214  
Fax: +39 6 5750309  
Telex: 4900005332 (IBRU UI)  
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.
- IAMS LIC.

*Contact information*

Library and Documentation Center  
ICLARM  
MC, PO Box 1501  
Makati, Metro Manila 1299  
Philippines  
Tel: +63 2 8180466, 8189283  
Fax: +63 2 8163183  
Telex: ETPI 64794 ICLARM PN; 4900010376 ICL UI (USA)  
Cable: ICLARM Manila  
E-mail: ICLARM; iclarm@cgnet.com