

The Commonwealth Secretariat

The Commonwealth Secretariat serves all member countries of the Commonwealth. It is the main agency for consultation and the exchange of information among them and is responsible for several programmes of co-operation.

The Secretariat has divisions or programmes namely International Affairs, Economics Affairs, Food Production and Rural Development, Legal, Science Council (CSC), Information, Administration, and the Human Resources Development Group (HRDG) has brought together six separate programmes (Education, Management Development, Fellowship and Training, Medical, Women and Development and Youth) whose primary purpose is to assist member countries in the development of human resources and multi-disciplinary activity, with greater emphasis on operational training projects in the field.

The Commonwealth Fund for Technical Co-operation (CFTC) is the Commonwealth's multilateral funding agency which provides technical assistance to developing member countries. It supplies short and long-term experts, helps countries to build up their expertise through training, finances studies, assists countries in export development and gives special advice to governments on legal, economic, fiscal and statistical matters. Member countries make voluntary contributions to the CFTC and share in its management. The CFTC works through the General Technical Assistance Programme providing experts and advisers, the Technical Assistance Group (its in-house consultancy), the Industrial Development Unit and the Export Market Development Programme.

International Affairs assists consultation among member governments on international and Commonwealth matters of common interest. In association with host governments, it organises the biennial meetings of Heads of Government and Senior Officials, and periodic meetings of Heads of Government of the Asia/Pacific region. The Division services committees and special groups set up by Heads of Government such as the Commonwealth Committee on Southern Africa, and the Committee of Foreign Ministers on Southern Africa, established by Heads of Government at their summit in Vancouver in 1987 to "provide high level impetus and guidance in furtherance of the objectives of the Okanagan Statement and Programme of Action on Southern Africa". The Division includes a Human Rights Unit set up in 1985 to promote public and official awareness of human rights issues. The Secretariat has had observer status at the UN since 1976 with the Division maintaining a presence in New York for each General Assembly. In the context of the Division's work in the area of countering the political/economic vulnerability of Small States, the International Affairs Division also administers, through locally recruited staff, the Joint Commonwealth Office for Commonwealth Permanent Missions to the United Nations.

The Economic Affairs Division (EAD) is the focal point for Secretariat activities in the economic sphere. It organises and services the regular meetings of Commonwealth Ministers of Finance, and of Labour and Employment, and assists in servicing the biennial meetings of Heads of Government. It engages in research and analysis on economic issues of interest to member governments; organises seminars and conferences of government officials and experts; and publishes regular bulletins on commodities, international development policies, capital markets, regional co-operation and on basic statistics of small countries. The Division initiated a major programme of technical assistance to enable developing Commonwealth countries to participate in the Uruguay Round of Multilateral Trade Negotiations (begun in 1986). The Division also services expert groups on economic issues commissioned by Commonwealth Heads of Government or Ministers.

Legal. Law ministers and Attorneys-General discuss matters of common interest and avenues for co-operation at regular meetings. The Legal Division keeps governments informed of relevant developments in the countries within the Commonwealth through the quarterly Commonwealth Law Bulletin. Legislative drafting, law reform, taxation policy, and co-operation in extradition and the reciprocal enforcement of judgements have been among the areas of recent activity.

Information. The Secretariat seeks to make more people aware of the nature, activities and value of the Commonwealth. It does so through a wide range of publications, (including a bi-monthly magazine, Commonwealth Currents), feature articles for newspapers, a radio and television service and press liaison with the media in all member countries.

The Division responds to requests for information from interested individuals and institutions throughout the Commonwealth. It also assists in media training and in promoting media activities especially in developing countries. Through the Commonwealth Day poster published in March each year and distributed free of charge to schools, the Division seeks to reach younger citizens in member countries.

The Commonwealth Science Council (CSC), an autonomous body within the Commonwealth Secretariat is responsible for the enhancement of scientific and technological capacity of member countries through the application of science and technology for development in the Commonwealth. Its programmes focus on energy, renewable natural resources, mineral resources, agriculture, environment planning, industrial support, science policy and organisation, and rapidly advancing fields of applied science and technology.

The agriculture programme focuses on three major areas: agroforestry and soil amelioration, integrated crop protection for small farms and post-harvest treatment of fruits and roots.

The main fields of interest for the biological resources programme are biological diversity and genetic resources indigenous to Commonwealth countries for their national utilization and conservation.

Tropical forest ecology, rural technology and renewable energy resources and also areas of interest.

The Education Programme arranges conferences and training workshops, undertakes short advisory consultancies, publishes studies on specific issues of concern and promotes co-operation in areas identified by Education Ministers: its current focus is mainly on higher education, science and mathematics education, distance education, educational development in small states and education and work. The programme of education and work focuses on curriculum guidelines on entrepreneurial skills development which might have some bearing on rural development through the upgrading of agricultural skills.

The Management Development Programme financed by the CFTC, assists governments in the development of managerial skills, particularly at senior level in government and parastatals. The Programme aims to improve capabilities in the skills of public administration and public enterprise management, including management of agricultural enterprise and institutions. The emphasis is on strengthening existing national and regional training institutions. Since developing countries can benefit immensely from experiences of similar developing countries, exchange of ideas between senior personnel from several countries is encouraged through seminars, workshops and training courses.

The Fellowships and Training Programme financed by the CFTC, provides awards to enable students and trainees nominated by governments, inter-governmental and regional organizations to undertake study or training programmes, both formal and

non-formal, in the developing countries of the Commonwealth. Approximately 3000 awards are made each year. Usually 15% of these are in the agricultural sector, including forestry, veterinary medicine and fisheries.

Training is not normally supported in the more developed countries, but exceptions have been made, for example, in the case of some short, specialized courses mounted in Britain by the Institutes of CAB International. Awards are also made for training attachments and study visits and for participation in seminars and workshops with a high training content; approximately 200 awards, covering all sectors, are made for this purpose each year. The contribution the Programme makes to manpower training and development in agriculture will depend in future, as in the past, on the degree of priority that governments attach to this sector compared to others when formulating their requests for CFTC awards.

The Health Programme is guided by the three-yearly meetings of Commonwealth Health Ministers and assists governments to promote human resource development and to strengthen their health service infrastructure through a recent initiative - the Commonwealth Health Development Programme. The Health Programme supports the work of regional health organizations, undertakes studies and provides advisory services at the request of governments. Since the nutritional status of a community is an important determinant of its health status, the Programme is naturally interested in the implications of malnutrition which is widespread in many countries of the Commonwealth.

The Women and Development Programme (W&D) was set up in 1980. It acts as a focal point for identifying the needs and priorities of Commonwealth women and ensures that these are reflected in all Secretariat programmes. It is working to advance the interests of women through training programmes, research and exchange of experience.

The Commonwealth Youth Programme (CYP) supports the efforts of governments to involve young people in activities serving national goals. It operates three regional centres serving Africa, Asia and the Pacific and the Caribbean. These provide training for youth leaders and officials engaged in community development. The CYP also offers an information service and advises governments on youth policy development and programme implementation.

General Technical Assistance Division (GTA). Agriculture remains one of the key sectors where GTA experts have been provided. About 14% of the almost 300 projects in Commonwealth countries under the GTA programme in 1987/88 were in the agricultural and rural development sector. The areas of work include agricultural engineering, economics, statistics, and research, project preparation, farm management, agronomy, fisheries, horticulture, forestry, irrigation, animal husbandry, veterinary and crop storage. The projects were carried out by experts assigned for periods ranging from a few weeks to two or three years. The majority of CFTC experts come from developing countries of the Commonwealth.

The Technical Assistance Group (TAG) is the Commonwealth Secretariat's consultancy service on call to help governments solve pressing problems in critical areas by responding rapidly to requests for urgent, often confidential, policy advice. As a part of CFTC, its small inter-disciplinary staff are equipped with a broad spectrum of expertise, mainly in development economics, law, fiscal policy, taxation, and computer systems. Their projects fall mainly into the areas of natural resources development, maritime boundary negotiations and macro-economic policies and financial management (including debt management). The staff are called upon to advise Commonwealth governments on negotiations with multi-nationals on projects in a number of sectors including forestry, fisheries and the sugar industry.

The Industrial Development Unit (IDU) of the CFTC assists Commonwealth developing countries in the development and implementation of industrial projects. During 1987/88 over 190 projects were assisted chiefly in the food processing, agricultural inputs, light engineering and mineral resource based sectors. Assistance provided included investment planning and project design, entrepreneurial development,

technology transfer, the sourcing of industrial finance, and the rehabilitation and upgrading of industrial enterprises predominantly in Commonwealth countries in Africa, small island and disadvantaged countries in other regions, and for organisations for development in southern Africa, and small island countries in the Pacific and the Caribbean regions.

Export Market Development Division (EMD) funded by the CFTC, helps member countries to develop export markets for their primary products and manufactured goods. Basically its approach is to assist in improving infrastructure facilities for exporters, to develop and adapt products for export, to undertake market studies, to arrange buyer-seller meets, trade missions and contact promotion programmes and training in market analysis and export marketing policy. In the last few years the Division has assisted several Caribbean and Pacific countries where agricultural production is the mainstay of export trade. Dominica, for example, has been assisted by an investigation of the opportunities for increasing its agricultural exports to the Canadian market. For the Bahamas, export production and marketing operations within the Ministry of Agriculture, Fisheries and Local Government were evaluated, while a market survey on agricultural products undertaken on behalf of the Government of St. Lucia was followed up by the appointment of an agricultural marketing adviser. In Vanuatu one study focused on the export market potential for treated coconut logs and coconut timber products, while another assessed market prospects for Vanuatu beef in nearby Asian and Pacific markets. In Papua New Guinea an adviser has assisted the Government in the marketing of forestry products.

Publications FOOD PRODUCTION AND RURAL DEVELOPMENT DIVISION

Ministers' Meetings

Report of the meeting of Commonwealth Ministers of Agriculture, Food and Rural Development, Bangladesh, 1981.

Report of the meeting of Commonwealth Agriculture and Food Ministers, Rome, 1981.

Report of the Meeting of Commonwealth Agriculture and Food Ministers, Rome, 1983.

Report of the Meeting of Commonwealth Agriculture and Food Ministers, Rome, 1985.

Report of the Meeting of Commonwealth Agriculture and Food Ministers, Rome, 1987.

Appropriate Technology

Report of a regional appropriate technology co-ordinators meeting, Zambia, 1979.

Rural technology in the Commonwealth, Directory of Organizations, 1980, £1.50.

Report of a regional workshop on farm machinery testing procedures, Kenya, 1981.

Report of a second regional workshop on farm machinery testing procedures, Malawi, 1982.

Guide to technology transfer in East, Central and Southern Africa, 1981, £2.25.

Summary and conclusions of a South Pacific rural technology workshop, Fiji, 1981.

Commonwealth training workshop on conservation farming, Maha, Illuppallama and Colombo, Sri Lanka, 1983.

Report on rural technology projects workshop for South Pacific region, Tonga, 1984.

Systems, techniques and tools for conservation farming, 1984, £2.50.

Workshop on dryland farming systems for East, Central and Southern Africa, Kenya, 1985.

Fisheries Development

The development and management of the living resources within the EEZ, 1980.

An overview of fisheries in the Commonwealth, 1982.

Report of the training workshop for managers of Fish Receiving, Marketing and Distribution Centres for the South Pacific region, Fiji, 1984.

Training course on EEZ management for countries of the Caribbean: a report by Participants. Jamaica, 1984.

Village level aquaculture development in Africa, 1985, £7.50

Training course on EEZ management for Africa and Indian Ocean: a report by Participants. Kenya, 1985.

Report of the meeting of Commonwealth senior fisheries officials, Rome, 1987.

Training programme for aquaculture extensionists in Commonwealth Africa: Part I. Report of training course for East and Southern Africa, Kenya 1987.

Training programme for aquaculture extensionists in Commonwealth Africa: Part II. Report of the training course for West Africa, Nigeria, 1988.

Report of the meeting of Commonwealth senior fisheries officials, Rome, 1989

Livestock Development

Livestock information technology training manual, Guyana, 1989

Report of the middle level livestock management training in the Caribbean, Guyana 1989

Project Planning and Management

Report of a workshop on irrigation management, India, 1978.

Agricultural project management training in the Caribbean, report of a regional workshop, 1981.

Training for agricultural project management: papers from a workshop, Sri Lanka, 1979.

Training course for agricultural irrigation managers for East, Central and Southern Africa, Swaziland, 1985.

Report of the consultation on agricultural management, The Gambia, 1985.

Production of Post-Harvest Losses and Storage

Report of a regional grain conservation seminar, Zambia, 1978.

Careful storage of yams (guide), 1980.

How to build a low-cost maize crib (guide) 1980.

Workshop on post-harvest losses for small farmers, India, 1982.

Workshop on post-harvest losses and food storage, South Pacific, 1983.

Rural Development

Beekeeping in rural development; the unexploited potential in the tropics, with special reference to the Commonwealth, 1979, £2.50.

Report of the workshop on poverty-focused rural development and small farmer credit, Bangladesh, 1982.

Agricultural research and development in the Asia-Pacific Commonwealth, 1982.

Workshop on agricultural extension for small farmers, Malaysia, 1982.

Report of the Commonwealth training workshop on rural credit, Zimbabwe, 1984.

Report of the Commonwealth expert consultation on rural institutions, India, 1985.

Conservation and Land Use

Consolidation of agricultural holdings in India: a case study of Uttar Pradesh, 1982.

Report of the training workshop on consolidation of land holdings, New Delhi, India, 1983.

Report on training workshop on land use planning in the tropics, Bangladesh and India, 1984.

Conservation for sustainable development, 1987.

Report of the Commonwealth consultation in the SADCC region on integrating conservation into farming system, Malawi, 1988.

Integrating conservation into farming system. An outline for a training workshop, Malawi, 1988.

Integrating conservation into farming system. Land use planning for smallholder farmers, 1988.

Workshop on Agricultural Credit Systems and input management for smallholder farmer in Africa, Kenya 1988.

Study on the scope of Commonwealth action on soil erosion, desertification and drought-related problems: An analysis of the problem with recommendation for action, 1988.

Report of the Commonwealth workshop on tackling soil erosion desertification and drought related problems, India, 1989.

Consultative meeting on promoting conservation for sustainable agriculture development in the Sudano-Sahelian region of Africa, The Gambia, 1989.

National Food Policy/Strategy

Commonwealth consultative meeting on food pricing and marketing policy, London, 1983.

Africa agriculture: building for the future, 1985.

Report of the Commonwealth workshop on policies and programmes for small farmers in the Caribbean, Grenada, 1986.

Colloquium on agricultural policy in Commonwealth Africa, Zimbabwe, 1986.

Report of the workshop on agricultural policy planning, Mauritius, 1986.

Report of the Commonwealth workshop on food supply information systems in Africa, India, 1986.

Report of the Commonwealth workshop for small farmer development, Bangladesh, 1987.

Report of the workshop on food supply information systems in Africa, Kenya, 1989.

Training Directories

Training for agricultural development: A Directory of Commonwealth Resources, 3rd edition, 1989. £12.50.

Priced publications include postage by surface mail; airmail rates are quoted on request. The prices shown are for cheques drawn in pounds sterling on a United Kingdom branch of a bank. Non-sterling cheques and Eurocheques are subject to bank charges of £9.00. Please make your remittance payable to Commonwealth Secretariat and send to:

Commonwealth Secretariat Publications
Marlborough House
Pall Mall
London SW1Y 5HX
Britain

Select Bibliography

GENERAL

- The Commonwealth Factbook.
48-page illustrated booklet outlining the facts and figures about Commonwealth countries. Commonwealth Secretariat 1987.
- Training for Agricultural Development - Directory of Commonwealth Resources, 2nd edition. Commonwealth Secretariat 1985.
- Research Opportunities in Commonwealth Developing Countries.
235-page illustrated register for academic staff and graduate students who wish to undertake research in a Commonwealth developing country. The Association of Commonwealth Universities (ACU) 1984.
- Commonwealth Universities' Yearbook, 64th edition. ACU 1988.
- Handbook of Agricultural Education, Association of Indian Universities 1986.
- Yearbook of International Organizations, 1984/85, edited by Union of International Associations
- A Yearbook of the Commonwealth, 1983, Foreign and Commonwealth Office
- The World of Learning 1984/85, 35th edition, Europa Publications Limited
- Training Courses Available in Developing ESCAP Countries, 1979, Economic and Social Commission for Asia and the Pacific

GUIDE FOR GRANTS Commonwealth Scholarship and Fellowship Plan: 23rd Annual Report 1981-84. ACU and Commonwealth Secretariat £1.75

- Commonwealth African Directory of Aid Agencies, Commonwealth Foundation 1979
- Commonwealth Asian and South Pacific Directory of Aid Agencies. Commonwealth Foundation 1981
- Commonwealth Caribbean Directory of Aid Agencies. Commonwealth Foundation 1978
- Financial Aid for First Degree Study at Commonwealth Universities 1988-90.
Lists different kinds of financial aid available to Commonwealth students who wish to study for a first degree at a Commonwealth University outside their own country. Describes awards that are part of multi-national schemes; awards offered by governments or other bodies in certain countries to their own nationals for study abroad, awards for students from abroad, offered by the government, universities or other bodies in the country of tenure; financial aid for refugee students; and student loan schemes. ACU £3.50.
- Scholarships Guide for Commonwealth Post-graduate Students 1987-89.

Describes separate schemes of scholarships, grants, assistantships and other forms of financial assistance open to graduates of Commonwealth Universities who wish to undertake post-graduate (including post-doctoral) study or research at a Commonwealth University outside their own country. ACU £11.50.

Awards for Commonwealth University Academic Staff 1988-90. Describes 700 separate schemes for fellowships, visiting professorships and lectureships, travel grants, etc open to the academic staff of universities in Commonwealth countries who wish to carry out research, make study visits or teach for a while at a University in a Commonwealth Country other than their own. ACU £12.50.

Netherlands Fellowships Programme of Development Cooperation. Within the framework of this programme, the Dutch government grants fellowships to nationals from a great number of developing countries.

Candidates for a fellowship must be nominated by their employer, and formal employment should be continued during the fellowship period. As a rule the candidate's government is required to state its formal support, except in the case of certain development-oriented non-government organisations (NGO's). For information on the eligibility of your country for these fellowships and on the application procedure, please contact the nearest Netherlands Embassy.

European Development Fund of the European Communities. Available to citizens of the Commonwealth countries. Applications have to be submitted through the appropriate government channels in the candidate's country. Information can be obtained at the Delegation of the Commission of the European Communities in the candidate's country.

The Grants Register 1983-85, Editors Craig A Lerner and Roland. Primarily intended for students at or above graduate level and for all who require further professional or advanced vocational training. Aims to provide information on awards for nationals of the USA, Canada, Britain, Ireland, Australia, New Zealand and the developing countries. However, as many of the awards listed are international, the book is also useful to students from other countries who seek exchange opportunities or international scholarships.

Directory of Research Grants (DRG) 1984, Editor William K Wilson. DRG is a publication for scholars, grant administrators, faculty members, and any person or organization looking for support for research or educational projects. More than 2000 grant programmes are listed under subject headings and all necessary details are given including average amount awarded.

Note: When requesting information it is advisable to enclose a self-addressed envelope or label on which you should also quote the Programme number.

Index to Subjects of Study

Courses are arranged in alphabetical order and are listed under the country's code (see Index of Institutions).

Most colleges offer courses in biological sciences, but these subjects are only shown where the institution is not offering agricultural subjects.

A

Agrarian Development

BRI 54

Agribusiness

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MAY 2

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INT 12

Agricultural Administration

GHA 8

IND 41

MAU 1

NIG 3

SWA 1

TAN 3

INT 14

Agricultural and Amenity Grassland

BRI 44

Agricultural Biochemistry

AUS 18

BRI 44 56 57

IND 4 84

NIG 39

Agricultural Biology

BRI 56

CAN 34

NIG 39

SRL 9

Agricultural Botany

BAN 4

BRI 44 57 70 78

IND 1 2 4 48 51 56 57 68

MAU 1

Agricultural Business Management

AUS 19

BRI 13 54 56

CAN 5 6 19 25

IND 26

ZAM 1

Agricultural Chemistry

BAN 4

BRI 78

CAN 17 34

IND 1 4 6 9 11 14 37 47 51 56 57

MAU 1

SRL 7

Agricultural Communication

BRI 68

INT 9

Agricultural Co-operation

BAN 4

IND 8

Agricultural Development

BRI 54

Agricultural Documentation

INT 12

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BAN 2 4

BRI 44 50 54 55 58 59 70 71 76

CAN 10 12 16 28 33 34

GHA 8

IND 1 2 4 5 8 9 11 12 13 14 31 34 35 36 37 47

48 51 54 56 57 58 68 70 77 84

MAY 1

NEZ 2

NIG 4 23 30 31 36 38 39 41 42

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TAN 8

ZIM 3

INT 10

Agricultural Education

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KEN 2

SWA 2

ZAM 1

Agricultural Engineering

AUS 6 10 20 26

BAN 2 4

BRI 1 3 7 8 13 17 20 32 36 56 65 67
 BRU 1
 CAN 5 6 10 12 18 28 31 34
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 SRL 8
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 IND 2 14 31 51 56 68

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 CAN 25

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 TAN 6
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Agricultural Microbiology
 IND 2

Agricultural Physics
 IND 37

Agricultural Physiology
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Agricultural Policy
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Agricultural Production
 CAN 5 25

Agricultural Project Planning
 BRI 47

Agricultural Protection
 AUS 5

Agricultural Research Management
 INT 12

Agricultural Science
 AUS 8 18 22 26
 BRI 7 44 52 56 70 71
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 ZAM 3

Agricultural Secretarial Studies
 BRI 2 6 7 23 72

Agricultural Soils
 CAN 17

Agricultural Statistics
 BAN 4
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 INT 10

Agricultural Systems
 AUS 15
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 IND 43

Agricultural Technology
 BRI 36 44
 CAN 1 4 20

Agricultural Zoology
 BRI 52 70
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Agriculture
 AUS 2 5 12 17 27 29 31
 BAN 1
 BAN 4 7 9
 BEL 1
 BOT 1

BRI 1 3 6 8 9 10 11 12 13 14 18 20 23 25 26 30 34 35 37
 40 41 44 54 56 57 59 62 63 64 67 68 70 71 74 76 81
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BRI 42

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AUS 6 13 18
BAN 4
BRI 44 57
CAN 5 12 31 34
GHA 9
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47 51 54 56 57 58 67 68 70 74 77 78 84
NIG 30
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INT 6 10

Amenity Horticulture
AUS 27
BRI 1 14 18 37 54 67

Animal Anatomy
IND 5 11 14 70

Animal Breeding
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Animal Health
BOT 1
BRI 54 77
CAN 1 3 5 19 27
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NIG 4 5 7 10 11 12 30
SWA 2
INT 2

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NIG 4 5 7 10 11 12 30 33
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BAN 4
BRI 56 75
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IND 14 61

Animal Production
AUS 13 20
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BRI 59 71 76
CAN 4
IND 5 7 11 14 36 44 47 56 70 77
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NIG 4 8 22 23 38
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Animal Science
AUS 3 6 18
BAN 4
BRI 53 54 57 59 76
CAN 6 10 12 17 31 34
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IND 5 10 44 54 58 61 67
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Apiculture
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 IND 16

Applied Agriculture
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Applied Biology
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Applied Entomology
 BRI 56 78

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Applied Plant Biology
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Applied Plant Sciences
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Applied Remote Sensing
 BRI 36

Aquacultural Engineering
 IND 43

Aquaculture
 AUS 19
 BAN 4
 BRI 53 79
 CAN 8 10
 IND 65
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Aquatic Biology
 SIE 1

Aquatic Bioscience
 BRI 78

Aquatic Veterinary Studies
 BRI 79

Arboriculture
 AUS 27
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Biochemistry
 AUS 3 6
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Biological and Chemical Technologies
 AUS 2

Biological Sciences
 AUS 3 9 16 21
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 AUS 4 6 13 20 23 27
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 BAN 4
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IND 5 12 18 47 50 56 67 76 77
KEN 2 4
MAY 1 2
NIG 17 22 28 30 31 36 37 40 41 42
SRL 8
INT 2

Food Service Management
CAN 19 20

Foodgrain Storage
IND 39
INT 2

Forage Evaluation
INT 9

Forage Production
IND 40

Forest Science
AUS 26

Forest Survey
INT 8

Forest Technology
CAN 2

Forestry
AUS 1 28
BAN 2 6
BRI 42 58 73 76
CAN 6 13 23 31
CYP 1
GHA 6
IND 2 11 28 32 50 65 74 83
KEN 5
LES 1
MAW 3
MAY 2
NEZ 3
NIG 5 7 11 19 20 24 29 31 32 33 36 38 39
PNG 2
TAN 7 8
TRT 3
USA 4 5

ZIM 4
INT 2 4 12

Fresh Water Fisheries
IND 51

G

Garden Centre Studies
BRI 65

Genetics
AUS 6
CAN 29 31 34
IND 11 37 61 68
MAY 3

Grassland Management
GHA 9
IND 79

Grassland Science
BRI 59

H

Herd Health
see Animal Health

Herd Medicine and Theriogenology
CAN 34

Home Economics
AUS 2
KEN 2
LES 1
NIG 4 7 11 24 29 32
SIE 1

Home Science
IND 5 12 32 36 50 58 69

Horse Husbandry
AUS 5

Horticultural Engineering
BRI 29

Horticultural Management
NEZ 1

Horticultural Marketing
BRI 65

Horticultural Production
AUS 13
BRI 29 54

Horticultural Science

AUS 20 30
CAN 34
NEZ 2

Horticulture

AUS 2 5 6 9 13 29 31
BAN 4
BRI 12 14 29 33 45 54 57 65 80 81
CAN 5 8 28 31 34
GHA 9
IND 1 2 4 5 9 11 14 34 35 37 47 48 51 54
56 57 58 67 68 70 76 77 79 83 84
KEN 2 4
NEZ 1 2
NIG 4 41
TAN 6
ZAM 4

Hydrobiology

NIG 30

Hydrology

CAN 28

Insect Control

BRI 52

Irrigation Agronomy

NIG 4

Irrigation Engineering

NIG 26

Irrigation Technology

CAN 4
TAN 6

Irrigation and Water Management

BAN 4
IND 76 83
NIG 36

L

Laboratory Animals

IND 20

Land Economy

AUS 2
BRI 49 76

Land Husbandry

see Land Management

Land Management

AUS 4
BRI 19
MAW 2
TAN 6

Land Surveying

BRI 24

Land Use and Recreation

(see also Recreational Land Management)
BRI 10 26

Land and Water Management

BRI 36
KEN 8

Landscape Construction/Management

AUS 27
BRI 22 59

Landscape and Horticultural Technology

BRI 1 29 65
NIG 30

Limnology

BAN 4

Livestock/Livestock Production

CAN 1 3
IND 44 61
NIG 36
INT 9

Livestock Technology

CAN 24
IND 44

M

Mariculture

see Marine Fisheries

Marine Biology

BRI 53
CAN 11 15 28
IND 51

Marine Engineering

NIG 15

Marine Fisheries

IND 51 81

Marine Science

CAN 9 11
MAY 2

Meat Science
BRI 48 57
IND 5

Meteorology
BAR 1

Microbiology
AUS 3 20
BAN 4
BRI 60 71
CAN 31
IND 5 6 20 37 83
NEZ 3
NIG 6 30

Molecular Biology
BRI 51
IND 37

Multiple Cropping
INT 10

Mushroom Farming
SNG 4

Mycology and Plant Pathology
BRI 70
IND 9 36 37 66
INT 1

N

Natural Resources Management
AUS 6 15 17 31
BRI 28
CAN 9

Nautical Science
NIG 15

Nematology
BRI 52
IND 37
SRL 7

Nursery Practices
BRI 22

Nursery Production and Management
AUS 27

Nutrition
AUS 6 21
BRI 54 56 57 60 75
CAN 15 31
IND 2
SRL 8
TAN 9

TRT 2
ZAM 1
INT 2

Nutritional Sciences
CAN 12

P

Parasitology
BRI 52 78
CAN 15 31
IND 5
INT 1

Pest Management
AUS 18
BAN 3
BRI 28
CAN 9
INT 1

Pharmacology
see Veterinary Pharmacology

Pig Production
see Animal Production

Plant Breeding and Genetics
AUS 15
BAN 4
BRI 44
IND 2 5 9 11 14 35 36 46 47 58 66 67 70 74 77 83 84
SRL 7
INT 4 10

Plant Ecology
CAN 34

Plant Nutrition
AUS 31

Plant Pathology
(see also Mycology and Plant Pathology)
AUS 18 29 31
BAN 4
BRI 51 70
CAN 31
IND 1 2 4 5 6 11 14 35 47 48 51 54 56 57 58 70 74 77
NIG 6
SRL 7
INT 10

Plant Physiology
AUS 3 16 18
IND 5 9 14 37 66 67

Plant Protection
AUS 13

CAN 17
INT 4

Plant Science
CAN 6 10 12 17 29
NIG 30

Plantation Management
BRI 36

Pomology
IND 74

Postharvest Technology
AUS 13
INT 12

Poultry Husbandry
BRI 13
IND 44
SNG 3

Poultry Production
IND 68 77
NIG 4 10
TAN 9

Poultry Science
BAN 4
BRI 81
CAN 10 34
IND 5 14 24 44 77 80

R

Ranch Management
KEN 2
UGA 7

Range Management
KEN 2
NIG 4

Recreational Land Management
BRI 18

Regional Planning for Developing Countries
BRI 50

Resource Management
NEZ 1

Resources Development
CAN 28 31

Rice Production
BAN 8
IND 82
INT 10

Ruminant Science
BRI 81

Rural Development
AUS 15
BAN 1 10
BOT 2
BRI 21 50 55 67
CAN 16
GRE 1
IND 29 62
MAY 3
NIG 36
ZAM 2
INT 2 12

Rural Economics
CAN 6
UGA 4

Rural Engineering
BRI 36
CAN 33

Rural Extension
INT 4

Rural Journalism
AUS 29

Rural Science
BRI 71

Rural Services
IND 8

Rural Sociology
NIG 4 38

Rural Studies
AUS 13 14
BRI 34 54 61
IND 8 53

S

Science and the Environment
BRI 19

Seed Technology
BRI 71
IND 2
NIG 25
INT 4

Sericulture
IND 21

Sheep and Wool Production
IND 22

Soil Microbiology
AUS 31
INT 10

Soil and Plant Analysis
NIG 25

Soil Science
AUS 3 6 15 18 20
BAN 4 11
BRI 44 56 59
CAN 6 10 31 34
GHA 8 9
IND 2 5 6 9 11 14 35 36 37 47 58 67 70 77 83 84
NEZ 3
NIG 30 36 38 39 40 41 42
SRL 8
ZIM 3
INT 14

Soil Survey and Land Use
IND 59
INT 8

Soil and Water Conservation
IND 1 2 14 23 43 77

Soil and Water Engineering
KEN 2

Soil and Water Management
AUS 13
BRI 81
INT 2 14

Soils and Irrigations
BAN 2

Stock and Meat Inspection
AUS 13

Sugar Technology
IND 63
MAU 1

Sugarcane Production/Technology
IND 42 75

T

Tea Research
SRL 7

Tobacco Production
IND 25

Tropical Agriculture
BRI 59
PNG 4
WES 1

Tropical Animal Production
AUS 15
BRI 71

Tropical Crop Science
AUS 15

Tropical Crop Storage
BRI 28

Tropical Ecology
AUS 12

Tropical Forestry
INT 14

Tropical Horticultural Science
AUS 15
BRI 54

Tropical Horticulture
GHA 9

Tropical Pasture Science
AUS 15

Tropical Sericulture
see Sericulture

Turfgrass Management Technology
CAN 1

U

Urban Horticulture
AUS 9

Urban Parks Management
AUS 13

V

Vegetable Crops
IND 35 36 83
INT 4

Vegetable Science
IND 58

Veterinary Anaesthesiology
CAN 34

Veterinary Anatomy
IND 7 35 56 67 77

Veterinary Bacteriology
IND 44 67
NIG 34

Veterinary Epidemiology
CAN 32
IND 44
INT 9

Veterinary Gynaecology and Obstetrics
IND 7 11 14 35 44 67 70
NIG 41

Veterinary Immunology
IND 44

Veterinary Medicine
AUS 30
BAN 4
CAN 28 32 34
IND 5 7 14 44 67
KEN 8
MAY 2
NIG 41
TAN 8
UGA 4

Veterinary Microbiology
BRI 60
CAN 28 34
IND 7 11 35 37 77

Veterinary Nursing
BRI 3

Veterinary Parasitology
IND 7 11 35 67 70
NIG 34

Veterinary Pathology
IND 7 14 47 67 70 77

Veterinary Pharmacology
IND 14 35 67
NIG 41

Veterinary Physiology
IND 7 11 35 44 67
NIG 41

Veterinary Public Health
IND 11 35 44 67 70

Veterinary Science
AUS 8 12
BRI 49 53 54 77
CAN 32 34

IND 2 5 7 10 11 14 15 32 33 35 36 47 50 51 56
65 67 68 69 74 76

NIG 34
TAN 8

Veterinary Studies
GHA 10
KEN 3
SNG 2

Veterinary Surgery
BAN 4
CAN 34
IND 7 11 14 35 44 67
NIG 41

Veterinary Virology
IND 44 67
NIG 34

W

Water Engineering
BRI 21
ZAM 1

Water Management
see Irrigation and Water Management

Water Resources Development
IND 43

Weed Ecology and Control
AUS 31
NIG 25

Wildlife Biology
CAN 28 31

Wildlife Management
NIG 39
TAN 1

Wine Marketing
AUS 17

Wool and Pastoral Sciences
AUS 7

Wool Technology
NEZ 1

Z

Zoology
AUS 3 11
MAY 3
NIG 30
SIE 1