

Appendices

Glossary

Aquaculture—Agriculture based within various bodies of water. It includes seaweed, duckweed, rushes, water spinaches, lilies, shrimp, fish and other seafood crops. In urban areas, aquaculture is often wastewater-based and frequently shares water space with recreation uses.

Aqua-terra farming—A system of agriculture in which water crops and land crops support each other. Land crops may include trees, vegetables, livestock and flowers; in the water, poultry, fish, vegetables and crayfish may be grown.

Community kitchen—A community-based organization that includes communal food purchase and preparation. Some community kitchens have small farms.

Companion cropping—Growing compatible crops, with one protecting the other from attacks by insects or diseases (for example, marigolds with cabbage).

Farming system—The various crop production methods used on a single farm or a system of agriculture—such as greenhouse floriculture or roadside vegetable horticulture—that has a distinct set of farming practices. This volume uses the second meaning. Aqua-terra farming (defined above) is an example of a complex farming system.

Food-shed—A basic concept for defining urban agriculture that is derived from the idea of the watershed. Maps are drawn that show the flow of a particular food from production to consumer (see chapter 1).

Fungible income—In urban agriculture, production of food as a substitute for buying it, which frees part of the household income for paying for services and other goods (see chapter 1).

Horticulture—All crops cultivated on land, including vegetables, berries and trees. Ornamental horticulture and forestry are special types. Horticulture sometimes refers more narrowly to vegetable production.

Intercropping—Growing two crops together at the same time, such as a short-season tomato and a long-season sugarcane.

Layering—Growing trees over bushes over ground-level vegetables.

Microlivestock—Small livestock including guinea pigs, guinea fowl, rabbits, pigeons, chickens, ducks, pigs and goats. In this volume, the term is used primarily in the narrower sense to mean small domesticated animals, as distinguished from poultry. Microlivestock is generally the type of livestock most suitable for small farmers in urban agriculture.

Multicropping—Refers broadly to growing a number of crops at one site, whether mixed together or not. Home gardens typically use multicropping.

Mycoculture—The systematic production of mushrooms.

Outgrower—A contract producer. Typically, a firm contracts with an outgrower for a specified production by a specified date.

Peri-urban area—An area at the fringe of the city that is in the process of converting from rural to urban land uses. The size of the peri-urban area is defined more by transportation infrastructure and uses of the land than by either city population size or distance from the centre. Thus accessibility is a key factor determining the extent of the peri-urban area. These zones are a common locus of urban agriculture.

Pisciculture—Fish production, a branch of aquaculture.

Productive landscape—A concept in which the open spaces are perceived as potentially productive rather than simply recreational or aesthetic (see chapter 1).

Throughput—The balance between inputs and outputs that flow through a community. Urban agriculture reduces a city's throughput by reusing its waste to produce food and fuel (see chapter 1).

Usufruct—The legal right to "use and enjoy" (the Latin root of the word) something that belongs to another. In urban agriculture, a usufruct permits a farmer to exploit land or water owned by another (see chapter 1).

Zero-grazing—Maintaining and feeding livestock within an enclosed area (for example, a stable or pigsty).

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Case 9.4

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Case 9.5

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Case 9.6

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Countries cited in figures, cases and photos

This list should prove useful to readers who wish to glean from this volume information about urban agriculture in a particular country or region. "F" refers to a figure, "C" to a case and "P" to a photo.

AFRICA

Côte d'Ivoire: P/3.7, P/5.8, P/7.3, P/9.6

Eritrea: P/8.2

Ghana: C/7.5

Kenya: P/4.4, P/4.7, P/5.9, C/6.1, P/7.8

Mali: F/4.1, C/4.5

Senegal: P/5.4, C/7.3, P/7.5, P/7.7, P/8.1, P/9.5

Tanzania: P/2.3, C/2.5, C/4.4, P/4.5, C/5.6, C/5.7, C/6.4, P/6.5, P/8.3

Tunisia: C/9.2

Zaire: C/4.2, C/4.7

Zambia: C/3.1, P/3.1, C/3.3, P/3.3, P/3.5, C/9.1

ASIA AND PACIFIC

China: F/2.1, C/4.6, C/6.2, P/6.3, P/7.13, C/9.3

India: C/3.5, P/3.6, C/7.7

Indonesia: P/2.2, C/2.4, C/7.4, P/9.2

Lebanon: F/4.5, C/7.9, P/7.14

Papua New Guinea: C/5.8, P/5.10

Philippines: C/3.4, P/4.9, C/4.10, P/4.10, C/9.5

Singapore: P/2.1, C/2.3

Sri Lanka: C/7.5

Taiwan (province of China): P/4.6, C/6.3, P/6.4

Thailand: P/5.1, P/9.1

Viet Nam: C/5.3

LATIN AMERICA AND THE CARRIBEAN

General: C/2.1
Argentina: C/9.4
Bolivia: P/6.2
Brazil: C/4.3, C/4.9
Chile: C/3.2, P/3.2, P/5.5, P/5.7, C/8.1, F/8.1
Colombia: P/3.4, C/5.5, P/5.6, P/7.6
Costa Rica: P/4.2, P/6.1, P/7.10
Haiti: P/4.3, C/5.4, P/5.12
Mexico: F/2.3, C/4.1, P/4.1, F/4.3, C/4.8, P/4.8, C/7.6
Nicaragua: P/7.2, C/9.6, P/9.7
Panama: P/5.2, P/9.3
Peru: P/2.4, C/2.6, C/5.2, C/7.1, P/7.1, C/7.2, P/7.4, P/7.9, P/9.4

EUROPE AND NORTH AMERICA

France: C/2.2, F/2.4
Germany: F/2.2, P/5.11, P/7.12
Italy: P/7.11
Netherlands: C/2.7
Russia: C/5.4
United States: P/3.8, P/5.3

A p p e n d i x E

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Cities and towns visited by The Urban Agriculture Network, 1991-95

The Urban Agriculture Network visited 18 developing countries between fall 1991 and spring 1992 during four study trips funded by UNDP. During the preparation of this report, the authors also visited cities in 12 additional countries for conferences, interviews or field observations; these cities are denoted with an asterisk (*). The towns and cities visited included a wide range of cultures, economies and climates.

EAST AND SOUTH

ASIA

India

Bhatpara
Burdwan
Calcutta
New Delhi

Indonesia

Bandung
Bogor
Jakarta

Philippines

Cavite
Los Baños
Manila

Taiwan

Kaohsiung
Taichung
Tainan
Taipei

Thailand

Bangkok
Samut Sakhon

MIDDLE EAST

Egypt

Cairo*

Lebanon

Beirut*

EUROPE

France

Amiens*
Paris*

Germany

Berlin*
Frankfurt am Main
Freiburg im Breisgau*
Leipzig*
Zschortau*

Italy

Rome*

Netherlands

Amers Foort*
Amsterdam*

United Kingdom

Chatham*
London*
Manchester*

SUB-SAHARAN

AFRICA

Côte d'Ivoire

Abidjan
Agboville
Bingerville*
Dabou
Danane*
Yamoussoukrou*

A p p e n d i x
F

Selected resource people

Eritrea
Asmara*
Dubarwa*
Keren*

Kenya
Nairobi
Naivasha
Ngong

Senegal
Dakar
Louga
Saint-Louis
Thiès

Tanzania
Arusha*
Bagamoyo
Dar es Salaam
Dodoma*
Lushoto*
Mehru*
Morogoro

Uganda
Kampala*

Zambia
Lusaka

SOUTH AMERICA

Argentina
Buenos Aires
Lomas de Zamora
San Isidro

Bolivia
El Alto*
La Paz*

Brazil
Curitiba
Rio Branco do Sul
Rio de Janeiro

Chile
Maipú
Santiago

Colombia
Bogotá
Cali*
Medellín*
Villa de Leyva*
Zipaquirá

Peru
Chosica
Lima
Villa El Salvador

**CENTRAL AMERICA
AND THE CARIBBEAN**

Haiti
Port-au-Prince*

Mexico
Coyoacan
Culhuacan
Mexico City

Nicaragua
Managua
Nagarotte

Panama
Colón
La Chorrera
Panama City

NORTH AMERICA

Canada
Ottawa*

United States
Baltimore*
Chicago*
New York*
Philadelphia*
Providence*
San Francisco*

The individuals listed here are among the most knowledgeable experts in various aspects of urban agriculture. Many were called upon during the course of this study. The specialties of individuals who focus on a particular area of urban agriculture are shown in brackets. Where no specialty is listed, the individual is an expert in urban agriculture in his or her country of residence.

Readers seeking additional expertise may contact the Urban Agriculture Network, which maintains a database of more than 1,000 individuals worldwide.

Dr. Sarah Atkinson
School of Hygiene and Tropical
Medicine
University of London
Keppel Street
London WC1E 7HT,
United Kingdom
[nutrition]

Mr. Victor Manuel Barcelo R.
COCODER
Col. San Jeronimo Lidice
Ciudad de Mexico
Periferico Sur # 3313
C.P. 10200 Mexico, D.F, Mexico

Dr. Carl Bartone
Room S10-141
The World Bank
1818 H Street NW

Washington, DC 20433
USA
[urban environmental systems,
Latin America]

Ms. Allison Brown
Box 23
Ferrisburgh, VT 05456
USA

[farming systems, former Soviet
Union, United States]

Dr. Jane Carter
Overseas Development Network
Regent's College, Inner Circle
Regent's Park
London NW1 4NS,
United Kingdom
[urban forestry]

Mr. Mario P. Chanco
Earthman Communications
Foundation
P.O. Box 3427
Manila, Philippines

Ms. Mary Cockeram
2943 Birchtree Ln.
Aspen Hill, MD 20906
USA
[horticulture]

Mr. José Andres Dasso
Director Asociado
Asociacion Peru Mujer
Av. Almirante Guisse 2550
San Isidro Lince
Lima 14, Peru

Prof. José R. Deanon
University of the Philippines
Los Baños College of Agriculture
Department of Horticulture
Laguna, Philippines

Dr. Tjeerd Deelstra
International Institute
for Urban Environment
Nickersteeg 5
2611 EK Delft, Netherlands
[urban environmental systems]

Dr. Harvey Demaine
Asian Institute of Technology
P.O. Box 2754
Bangkok 10501, Thailand
[horticulture, Asia]

Dr. Souleymane Diallo
Coordonnateur de recherche
Environnement et Développement
du Tiers-Monde (ENDA)
54, rue Carnot

B.P. 3370
Dakar, Senegal
[environmental systems, Africa]

Dr. Ousseynou Diop
Directeur
Institut Africain de Gestion
Urbaine
B.P. 7263
Dakar, Senegal
[urban systems, Africa]

Prof. David Drakakis-Smith
Department of Geography
University of Keele
Keele, Staffordshire ST5 5BG,
United Kingdom
[urban food systems]

Prof. Peter Edwards
Professor of Aquaculture
Agriculture and Food Division
Asian Institute of Technology
P.O. Box 2754
Bangkok 10501, Thailand
[aquaculture, wastewater reuse,
Asia]

Dr. Florence Egal
Food and Nutrition Policy
Division
Food and Agriculture Organization
Via delle Terme di Caracalla
00100 Rome, Italy
[nutrition]

Mr. Carlos Alberto Flood
Centro Nueva Tierra
Haedo 140
1642 San Isidro
Provincia de Buenos Aires,
Argentina

Prof. Donald B. Freeman
York University
Geography Department
4700 Keele Str.
N. York, Ontario M3J 1P3,
Canada
[Kenya]

Prof. Christine Furedy
Urban Studies Programme
York University
c/o 24 Astley
Toronto, Ontario M4W 3B4,
Canada
[waste management, Asia]

Prof. R.S. Ganapathy
Academy for Management
Excellence
1-H Century Plaza
560-562 Anna Salai
Madras 600018, India
[urban management]

Dr. Dhrubajyoti Ghosh
Coordinator, Environmental
Improvement Programme
Calcutta Metropolitan Water and
Sewer Authority
32, B.B.D. Bag (South)
Calcutta 700047, India
[wastewater management]

Mr. Alfonso Gonzalez Martinez
Jefe
Grupo de Estudios Ambientales
a.c. (GEA)
Allende 7 Sta. Ursula Coapa
Mexico 04650, D.F., Mexico

Prof. Boris Graizbord
El Colegio de Mexico
Camino al Ajusco No. 25

Mexico 01000, D.F., Mexico
[urban land use]

Mr. Reginald Grand-Pierre
c/o CARE Haiti
B.P. 18546
Pétion-Ville 57-5389, Haiti

Mr. Roberto S. Guevara
President and Executive Director
Urban Food Foundation
BPI Nursery Compound, Elliptical
Road
cor. Visayas Avenue, Diliman
Quezon City, Philippines

Dr. Pablo Gutman
Centro de Estudios Urbanos y
Regionales
Av. Corrientes 2835
Cuerpo "A" 7 Piso
Buenos Aires 1193, Argentina

Dr. Maarten D.C. Immink
Food and Nutrition Policy
Division
Food and Agriculture Organization
Via delle Ferme di Caracalla
00100 Rome, Italy
[food policy]

Mr. Harrington Jere
Human Settlements of Zambia
P.O. Box 50141
Lusaka, Zambia

Dr. Norge Jerome
University of Kansas
Department of Preventive Medicine
3901 Rainbow, Bldg. C
Kansas City, KS 66160
USA
[nutrition]

Mr. William (Tim) Journey
Aquasan Inc.
10325 Commonwealth Blvd.
Fairfax, VA 22032
USA
[wastewater reuse]

Mr. Paterson Kuria-Gathuru
Undugu Society
P.O. Box 40417
Nairobi, Kenya

Prof. Aprodicio A. Laquian
Director, Center for Human
Settlements
University of British Columbia
2206 East Mall
Vancouver, B.C. V6T 1Z3,
Canada
[urban environmental systems,
Asia]

Dr. Diana Lee-Smith
Mazingira Institute
P.O. Box 14550
Nairobi, Kenya
[Africa]

Dr. Christopher Lewcock
Natural Resources Institute
Overseas Development
Administration
Central Ave., Chatham Maritime
Kent ME4 4TB, United Kingdom
[urban environmental systems]

Mr. L. Keith Lilley
Urban Vegetable Promotion Pro-
ject (GTZ)
P.O. Box 8367
Arusha, Tanzania
[horticulture]

Ms. Ilda Lourenco-Lindell
Department of Human Geography
Stockholm University
Stockholm S-10691, Sweden
[Guinea-Bissau]

Mr. Paulo Lugari Castrillon
Director General
Centro de Desarrollo Integrado
"Las Gaviotas"
Apartado Aereo 18261
Bogotá, Colombia

Prof. Dr. Walther Manshard
Institut für Kulturgeographie
Albert-Ludwigs-Universität
Freiburg
Werdering 4
7800 Freiburg, Germany
[Africa]

Dr. Robin Marsh
605 Colusa Ave.
El Cerrito, CA 94530
USA
[horticulture]

Mr. Cesar Marulanda
c/o UNDP-Nicaragua
Apartado Postal 3260
Managua, Nicaragua
[hydroponics, Latin America]

Dr. Daniel Maxwell
Land Tenure Center
University of Wisconsin
1357 University Avenue
Madison, WI 53715
USA
[land use, Uganda]

Dr. Beacon Mbiba
University of Zimbabwe
Department of Rural and Urban
Planning
P.O. Box MP 167, Mount Pleasant
Harare, Zimbabwe
[urban livestock]

Dr. David J. Midmore
Director, Production Systems
Program
Asian Vegetable Research and
Development Center
P.O. Box 42
Shanhua, Tainan 74199, Taiwan
[horticulture]

Ms. Camila Montecino
Centro de Educacion y Tecnologia
(CET)
San Martin KM 151/2, parcela 6
Colina, Chile

Dr. Luc Mougeot
Senior Program Officer
International Development
Research Centre
Environment and Natural
Resources
P.O. Box 8500
Ottawa K1G 3H9, Canada
[urban environment]

Dr. Paule Moustier
CIRAD
B.P. 5035
34032 Montpellier-cedex, France
[horticulture]

Dr. Zebedato S.K. Mvena
Department of Agricultural
Education and Extension
Sokoine University of Agriculture

285
P.O. Box 3002
Morogoro, Tanzania

Dr. Seydou Niang
Chercheur
Institut Fondamental d'Afrique
Noire
Université Cheikh Anta Diop de Dakar
B.P. 206
Dakar, Senegal
[wastewater systems, Africa]

Dr. Vega Nuñez
Gardens for Development
P.O. Box 78124
Tucson, AZ 85703
USA
[horticulture, Latin America,
United States]

Dr. Bede Okigbo
Director
Institute for Natural Resources for
Africa
UNU/INRA
Isser Bldg. Complex, University of
Ghana
Legon, Private Mail Bag
Kotoka International Airport
Accra, Ghana
[indigenous crops, Africa]

Dr. Margarita Pacheco
IDEA, Univ. Nacional de Colombia
A.A. 14490
Bogotá, Colombia

Mr. Lyson Phiri
Africare
P.O. Box 36658
Lusaka, Zambia

Dr. Martin Price
Educational Concerns for Hunger
Organization
17430 Durrance Rd.
N. Ft. Meyers, FL 33917
USA
[small-scale agriculture]

Mr. Julio Prudencio Böhr
UNITAS
Casilla 6254
La Paz, Bolivia
[nutrition, Latin America]

Ing. Manuel Orozco Ramos
Ministerio de Agricultura
P.E. HUFACAM
Piso 10 Of. 10
Sede Central
Lima, Peru

Prof. Carole Rakodi
Senior Lecturer
Department of City and Regional
Planning
University Wales, College of
Cardiff
P.O. Box 906
Cardiff CF1 3YN, Wales, United
Kingdom
[urban systems, Africa]

Prof. Ignacy Sachs
Ecole des Hautes Etudes en Sciences
Sociales, CIRED
54 Boulevard Raspail
75270 Paris, Cedex 06, France
[food-energy links]

Dr. David Satterthwaite
International Institute for
Environment and Development
3 Endsleigh St.

London WC 1H ODD,
United Kingdom
[urban environment]

Prof. Camillus J. Sawio
Department of Geography
University of Dar es Salaam
P.O. Box 35049
Dar es Salaam, Tanzania

Dr. Christine Schilter
Groupe de Réalisations Audiovi-
suelles pour le Développement
41, quai Charles Page
CH-1205, Geneva, Switzerland
[Togo]

Mr. Rudy Schippers
Horticulturist
Natural Resources Institute
Central Ave.
Chatham Maritime
Kent ME4 4TB, United Kingdom
[farming systems]

Mr. Paul Sommers
5317 Del Moreno Dr.
Woodland Hills, CA 91364
USA
[small-scale agriculture]

Prof. Dr. Friedhelm Streiffeler
Department of Rural Sociology
Technical University of Berlin
Podbielskiallee 64
D-1000 Berlin 33, Germany
[Africa]

Dr. J. Sumberg
University of East Anglia
School of Development Studies
Norwich NR4 7TJ, United Kingdom
[food systems, Haiti]

Prof. Irene Tinker
University of California, Berkeley
Department of City and Regional
Planning
228 Wurster Hall, No. 1850
Berkeley, CA 94720
USA
[markets, women in development]

Ms. Julie van der Bliet
ETC Foundation
P.O. Box 64
3830 AB Leusden,
Netherlands

Dr. Isabel Wade
Urban Resources Systems
783 Buena Vista West
San Francisco, CA 94117
USA
[urban environment]

Dr. Uno Winblad
Pataholm 5503
S-384 92 Alem, Sweden
[Botswana]

Mr. Patricio Yañez Rodriguez
Moneda 2330
Santiago, Chile

Prof. Yue-man Yeung
Professor of Geography
Chinese University of Hong Kong
Hong Kong Institute of Asia-
Pacific Studies
Shatin, N.T., Hong Kong
[urban systems, Asia]

Mr. Jorge Zapp
CTI S.A.
A.A. 101901
Bogotá, Colombia
[hydroponics, Latin America]

Selected readings

The Urban Agriculture Network has assembled the world's largest library of materials on urban agriculture. The titles listed here are a cross-section of this collection.

Please note that where an edited volume or a special issue of a periodical is related to the subject of urban agriculture, individual articles within the volume or issue are not listed separately. Note also that non-English publications are not equally represented in this list.



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