

1 **CWANA Chapter 5 References**

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3 AARINENA (Association of Agricultural Research Institutions in the Near East and North Africa).
 4 2004. Minutes of AARINENA ICT Steering Committee Meeting, Tehran, Iran [Online].
 5 Available at <http://www.aarinena.org/rais/monthly/2ndSCMhome.htm>.

6 Abou-Hadid, A., K.H. Batanouny, A.S. Jabarine, and A.A. Kader. 2004. Proposal for expanding
 7 the crop mandate of ICARDA to include horticultural crops. ICARDA, Aleppo.

8 ACSAD/CAMRE/UNEP 2004. State of desertification in the Arab world. Updated study. ACSAD,
 9 Damascus.

10 Agarwal, A., and S. Narain (ed) 1997. Dying wisdom: Rise, fall, and potential of India's traditional
 11 water harvesting systems. Centre for Science and Environment, New Delhi.

12 ARC (Agriculture Research Center). 2007. National Agriculture Research Information
 13 Management System (NARIMS) [Online]. Available at <http://www.arc.sci.eg>.

14 Aillery, M., and N. Gollehon. 2003. Irrigation water management. *In* R. Heimlich (ed) Agricultural
 15 resources and environmental indicators. 2003. USDA Agric. Handbook No. AH722,
 16 Washington DC.

17 ALAWUC. 2002. Report of the NGO /CSO Preparatory Meeting for the Second Session of the
 18 Agriculture, Land and Water Use Commission for the Near East (ALAWUC).
 19 ALAWUC/NE/02/REP. March 2002. FAO Regional Office for the Near East, Cairo.

20 Allan, J.A. 2002. Hydro-peace in the Middle East: Why no water wars? A case study of the
 21 Jordan River Basin. SAIS Rev. 22(2):255–272. Available at
 22 <http://www.soas.ac.uk/waterissues/occasionalpapers/OCC45.pdf>.

23 Allen, R.G., L.S. Pereira, D. Raes, and M. Smith. 1998. Crop evapotranspiration: Guidelines for
 24 computing crop water requirements. Irrig. Drain. Pap. 56. FAO, Rome.

25 Aquastat. 2006. AQUASTAT [Online]. Available at
 26 <http://www.fao.org/ag/agl/aglw/aquastat/main/index.stm>. FAO, Rome.

27 Avato, P.A. 2007. Bioenergy: An assessment. Background study for IAASTD. World Bank,
 28 Washington DC.

29 Bahu, S., and A. Gulati. 2005. Economic reforms and food security: The impact of trade and
 30 technology in South Asia. Haworth Press, NY.

31 Bartley, D.M. 1998. Genetics and breeding in aquaculture: current status and trends. p. 13–30. *In*
 32 D.M. Bartley and B. Basurco (ed) Genetics and breeding of Mediterranean aquaculture
 33 species. Cah. Options Mediterr. 34:1022–1379.

34 Baroudy, E., A.A. Lahlou, and B. Attia. 2005. Managing water demand: Policies, practices, and
 35 lessons from the Middle East and North Africa forums. IWA Publ., London and IDRC,
 36 Ottawa.

- 1 BASIS/LEAF. 2004. The BASIS/LEAF integrated crop management course [Online]. Available at
 2 <http://www.basis-reg.com/downloads/Syllabus%20ICM.PDF>.
- 3 Baumer, M. 1990. Agroforestry and desertification. CTA, Wageningen.
- 4 Belaid, A., M. Solh, and A. Mazid. 2003. Setting agricultural research priorities for the Central and
 5 West Asia and North Africa region. [Online]. Available at
 6 http://www.icarda.org/ARP_CWANA/ARPS_FINAL_REPORT1.htm. ICARDA, Syria.
- 7 Bennett, M.K. 1941. Wheat in national diets. *Wheat Studies* 18(2):37-76.
- 8 Bioversity. 2007. Conservation and use. Biodiversity themes [Online]. Available at
 9 http://www.bioversityinternational.org/Themes/Conservation_and_Use/index.asp.
 10 Bioversity Int., Rome.
- 11 Blench, R.M. 1998. Rangeland degradation and socio-economic changes among the Bedu of
 12 Jordan: Results of the 1995 IFAD survey. p. 397-423. *In* V.R. Squires and A.E. Sidahmed
 13 (ed) *Drylands: Sustainable use of rangelands in the twenty-first century*. IFAD, Rome.
- 14 Blench, R.M. 2000. Extensive pastoral livestock systems: Issues and options for the future. FAO–
 15 Japan Cooperative Project GCP/JPN/005/JPN. Collection of information on animal
 16 production and health. FAO, Rome.
- 17 Blench, R.M. 2001. Pastoralism in the new millennium. FAO Anim.Health Product. Ser. 150. FAO,
 18 Rome.
- 19 Bonnis, G., and R. Steenblik. 1998. Water, agriculture and the environment. The OECD Observer
 20 No. 212. OECD, Paris.
- 21 Braun, R., and K. Ammann. 2002. Biodiversity: The impact of biotechnology. *Enycl. Life Support*
 22 *Systems*. EOLSS Publ., Oxford.
- 23 Breman, H., and J.J. Kessler. 1995. Woody plants in agro-ecosystems of semi-arid regions—with
 24 an emphasis on the Sahelian countries. *Adv. Ser. Agric. Sci.* 23. Springer, Berlin.
- 25 Brouwer, C., K. Prins, and M. Heibloem. 1989. Irrigation water management: Irrigation
 26 scheduling. *Training Man.* 4. FAO, Rome.
- 27 CA (Comprehensive Assessment of Water Management in Agriculture). 2007. Water for food,
 28 water for life: a comprehensive assessment of water management in agriculture.
 29 Earthscan, London and IWMI, Colombo.
- 30 Carney, D. 2002. Sustainable livelihoods approaches: Progress and possibilities for change.
 31 DFID, London.
- 32 Chapagain, A.K., and A.Y. Hoekstra. 2003. Virtual water flows between nations in relation to
 33 trade in livestock and livestock products. *Value of Water Res. Rep. Ser.* 13. UNESCO-IHE
 34 (Institute for Water Education), Netherlands.
- 35 Cherrett, I. 1999. Soil conservation by stealth. *Int. Agric. Dev.* 19(3):13–15.
- 36 Chrispeels, M.J., and D.E. Sadava (ed) 2003. *Plants, genes and crop biotechnology*. 2nd ed.
 37 ISBN 0-7637-1586-7. Jones and Bartlett Publ., Boston.

- 1 CLAES (Central Laboratory for Agricultural Expert Systems). 2002. Egyptian implementation of
2 the virtual extension and research communication network [Online]. Available at
3 <http://www.vercon.sci.eg>. CLAES, Egypt.
- 4 CLAES (Central Laboratory for Agricultural Expert Systems). 2006a. Sheep and goat expert
5 system [Online]. Available at <http://www.vet.claes.sci.eg/sheep>. CLAES, Egypt.
- 6 CLAES (Central Laboratory for Agricultural Expert Systems). 2006b. Bovine expert system
7 [Online]. Available at <http://www.vet.claes.sci.eg/bovine>. CLAES, Egypt.
- 8 CLAES (Central Laboratory for Agricultural Expert Systems). 2006c. Wheat expert systems
9 [Online]. Available at <http://www.claes.sci.eg/wheates>. CLAES, Egypt.
- 10 CLAES (Central Laboratory for Agricultural Expert Systems). 2006d. Vicia faba expert system
11 [Online]. Available at <http://fabaes.claes.sci.eg>. CLAES, Egypt.
- 12 CLAES (Central Laboratory for Agricultural Expert Systems). 2007. National agricultural research
13 management information system [Online]. Available at <http://www.arc.sci.eg>. CLAES,
14 Egypt.
- 15 CGIAR. 2006. Who we are [Online]. Available at <http://www.cgiar.org/who/index.html>. CGIAR,
16 Washington DC.
- 17 Clay, J. 2004. Review of world agriculture and the environment. Crop Prot. Res. Inst.,
18 Washington DC.
- 19 Cook, R. 2005. Efficiency or market dominance: evidence from the fresh produce industry.
20 Presentation Ann. Meeting Food Distribution Res. Soc., October. Washington DC.
- 21 Critchley, W., K. Siegert, C. Chapman, and M. Finkel. 1991. Water harvesting: A manual for the
22 design and construction of water harvesting schemes for plant production. FAO, Rome.
- 23 CSE (Centre for Science and Environment). 2006. [Online] Available at
24 <http://www.rainwaterharvesting.org>.
- 25 Delgado, C., M. Rosegrant, H. Steinfeld, S. Ehui, and C. Courbois. 1999. Livestock to 2020: The
26 next food revolution. Food Agric. Environ. Disc. Pap. 28. IFPRI, Washington DC, FAO,
27 Rome and ILRI, Nairobi.
- 28 Delgado, C.L., N. Wada, M.W. Rosegrant, S. Meijer, and M. Ahmed. 2003. Outlook for fish to
29 2020: Meeting global demand [Online]. Available at <http://www.ifpri.org/pubs/fpr/pr15.pdf>.
30 IFPRI, Washington DC and World Fish Center, Penang.
- 31 DFID (UK Dep. Int. Dev.). 2001. Sustainable livelihoods guidance sheets. Sec. 8, Glossary
32 [Online]. Available at http://www.livelihoods.org/info/info_guidancesheets.html#1. DFID,
33 London.
- 34 DFID (UK Dep. Int. Dev.). 2007. Livelihoods connect: Creating sustainable livelihoods to eliminate
35 poverty [Online]. Available at <http://www.livelihoods.org/>. DFID, London.

- 1 Dupuy, A., C. Lee, and T. Schaaf (ed). 2002. Combating desertification: freshwater resources and
2 the rehabilitation of degraded areas in the drylands. Proc. Int. Sem. N'Djamena, Chad, 30
3 Oct–4 Nov 2000. UNESCO-MAB Drylands Ser. 1. UNESCO, Paris.
- 4 Duxbury, J.M. 2005. Reducing greenhouse warming potential by carbon sequestration in soils:
5 opportunities, limits, and tradeoffs. p. 43–450. *In* R. Lal et al. (ed) Climate change and
6 global food security. Taylor and Francis, NY.
- 7 EI-Beltagy, A. 2002. Central and West Asia and North Africa: Challenges and opportunities.
8 ICARDA, Aleppo.
- 9 EI-Beltagy, A. 2005. Central and West Asia and North Africa: Challenges and opportunities
10 [Online]. Available at
11 http://www.cgiar.org/meetings/agm05/stakeholders_docs/agm05_stake_cwana.pdf.
12 Keynote at the CGIAR Ann. Gen. Meeting, 2005 (AGM05), Marrakech.
- 13 EPA (U.S. Environ. Prot. Agency). 2007. Integrated pest management (IPM) and food production.
14 Fact sheet [Online]. Available at <http://www.epa.gov/pesticides/factsheets/ipm.htm>. EPA,
15 Washington DC.
- 16 EU (European Union). 2002. Integrated crop management systems in the EU. Amended final
17 report for European Commission DG Environment. Agra CEAS Consulting. 1882/BDB/May
18 2002.
- 19 Falkenmark, M., P. Fox, G. Persson, and J. Rockstrom. 2001. Water harvesting for upgrading of
20 rainfed agriculture: problem analysis and research needs. SIWI Report 11. Stockholm Int.
21 Water Inst., Sweden.
- 22 FAO. 1997. Irrigation in the Near East region in figures. Water Rep. No. 9. FAO, Rome.
- 23 FAO. 2000. Agricultural knowledge and information systems for rural development (AKIS/RD)
24 [Online]. Available at <http://www.fao.org/sd/EXdirect/EXre0027.htm>. FAO, Rome.
- 25 FAO. 2001. Genetically modified organisms, consumers, food safety and the environment. Ethics
26 Ser. 2. FAO, Rome.
- 27 FAO. 2003. Virtual extension and research communication network [Online]. Available at
28 http://www.fao.org/sd/2003/KN10053_en.htm. FAO, Rome.
- 29 FAO. 2004. The state of world fisheries and aquaculture, 2004 [Online]. Available at
30 <ftp://ftp.fao.org/docrep/fao/007/y5600e/y5600e00.pdf>. FAO, Rome.
- 31 FAO. 2007. Frequently asked questions on organic agriculture [Online]. Available at:
32 <http://www.fao.org/organicag/fram11-e.htm>. FAO, Rome.
- 33 Gate, R., and M. Lee. 2005. Definition of social sustainability. City of Vancouver Policy Report—
34 Social Development. [Online]. Available at:
35 <http://www.city.vancouver.bc.ca/ctyclerk/cclerk/20050524/documents/p1.pdf>.
- 36 Gilbert, R., D. Stevenson, H. Girardet, and R. Stren. 1996. Making cities work. Earthscan,
37 London.

- 1 Gleick, P.H. 2000. The changing water paradigm: a look at twenty-first century water resources
2 development. *Water Int.* 25(1):127–138.
- 3 Guendel, S. 2002. Peri-urban and urban livestock keeping in East Africa: A coping strategy for
4 the poor? Scoping study commissioned by the Livestock Production Programme (LPP).
5 Nat. Resources Inst., UK.
- 6 Giuliani, A. 2007. Developing markets for agrobiodiversity. *Bioversity* (Bioversity Int.) and
7 Earthscan, London.
- 8 GWP (Global Water Partnership). 2006. GWP toolbox for integrated water resources
9 management [Online]. Available at <http://www.gwptoolbox.org/en/index.html>.
- 10 GWP TAC (Global Water Partnership, Tech. Advisory Comm.). 2000. Integrated water resources
11 management. Global Water Partnership TAC Background Pap. 4. SE-105 25. Global Water
12 Partnership, Stockholm.
- 13 Hawkins, R., and W. Nordquist. 1991. Planetor: A computer program for analyzing environmental
14 problems. *In Agriculture and the environment*. U.S.Gov. Printing Off., Washington DC.
- 15 Haykazyan, V., and J. Pretty. 2006. Sustainability in Armenia: New challenges for the agricultural
16 sector. Centre Environ. Society Occas. Pap. 2006-1. Univ. Essex, Colchester.
- 17 Hillel, D. 2000. Salinity management for sustainable irrigation: Integrating science, environment,
18 and economics. World Bank Washington, DC.
- 19 Holt-Gimenez, E. 2002. Measuring farmers' agroecological resistance after Hurricane Mitch in
20 Nicaragua: A case study in participatory sustainable land management impact. *Agric.*
21 *Ecosyst. Environ.* 93(1-3):87-105.
- 22 Hurni, H. 1996. Precious earth: From soil and water conservation to sustainable land
23 management. ISCO and Centre Dev. Environ., Berne.
- 24 Hurni, H., M. Giger, and K. Meyer (ed) 2006. Soils on the global agenda: Developing international
25 mechanisms for sustainable land management. IUSS and Centre Dev. Environ., Berne.
- 26 ICARDA. 2006. Utilization of intelligent systems for plant protection [Online]. Available at
27 <http://uispp.icarda.cgiar.org/uispp/>. ICARDA, Aleppo.
- 28 IFAD. 2002. IFAD strategy for rural poverty reduction in the Near East and North Africa. IFAD,
29 Rome.
- 30 IFOAM (International Federation of Organic Agriculture Movements). 2007. Organic agriculture
31 and food security [Online]. Available at http://www.ifoam.org/organic_facts/index.html.
32 IFOAM, Bonn.
- 33 InfoResources. 2003. Integrated Water Resources Management (IWRM): A way to sustainability
34 [Online]. Available at www.inforesources.ch/pdf/focus1_e.pdf.
- 35 ILA (International Law Association) (ed) 1967. The Helsinki rules on the uses of the waters of
36 international rivers. p. 484–532. *In Report of the Fifty-Second Conference, Helsinki, 14–20*
37 *Aug 1966*. ILA, London.

- 1 IPCC (Intergovernmental Panel on Climate Change). 2000. Land use, land use change and
2 forestry. Special Report of the IPCC. Cambridge Univ. Press, UK.
- 3 IPCC (Intergovernmental Panel on Climate Change). 2007a. Climate change, 2007: The physical
4 science basis. Contribution of Working Group I to the Fourth Assessment Report.
5 Cambridge Univ. Press, UK.
- 6 IPCC (Intergovernmental Panel on Climate Change). 2007b. Climate change, 2007: Impacts,
7 adaptation and vulnerability. Working Group II Contribution Fourth Assessment Report.
8 Summary for Policymakers [Online]. Available at <http://www.ipcc.ch>.
- 9 IPCC (Intergovernmental Panel on Climate Change). 2007c. Climate change, 2007: Mitigation of
10 climate change. Contribution of Working Group III to the Fourth Assessment Report
11 [Online]. Available at <http://www.ipcc.ch>.
- 12 IPGRI. 2001. Regional Report CWANA 1999–2000. Int. Plant Genetic Resources Inst., Rome,
13 Italy. Available at <http://www.biodiversityinternational.org/Publications/Pdf/821.pdf>.
- 14 Irz, X., L. Lin, C. Thirtle, and S. Wiggins. 2001. Agricultural growth and poverty alleviation. *Dev.*
15 *Policy Rev* 19.
- 16 Jones, K., J. Heaton, M. Adams, D. Kennedy, and T. Brocklehurst. 2006. Microbiological hazards
17 and prevention in primary production. *In* Food safety in crop production. Universities of
18 Lancaster and Salford. Cumbria, 16–20 Jan 2006.
- 19 Jorgensen, G.S., K.H. Solomon, and V. Cervinka. 1993. Agroforestry systems for on-farm drain
20 water management. Center Irrig. Tech. Project Rep. California State Univ., Fresno.
- 21 Kessler, J.J., and H. Breman. 1991. The potential of agroforestry to increase primary production
22 in the Sahelian and Sudanian zones of West Africa. *Agrofor. Syst.* 13:41–62.
- 23 Kinderlerer, J., and M. Adcock. 2005. Agricultural biotechnology, politics, ethics, and policy. *In*
24 S.W. Omamo and K. Von Grebmer (ed) *Biotechnology, agriculture, and food security in*
25 *southern Africa*. IFPRI, Washington DC and FANRPAN, Harare.
- 26 Lal, R. 2005. Climate change, soil carbon dynamics, and global food security. p. 11–143. *In* R. Lal
27 et al. (ed) *Climate change and global food security*. Taylor and Francis, NY.
- 28 Leakey, R.R.B., Z. Tchoundjeu, K. Schreckenber, S.E. Shackleton, and C.M. Shackleton. 2005.
29 Agroforestry tree products (AFTPs): targeting poverty reduction and enhanced livelihoods.
30 *Int. J. Agric. Sustain.* 3(1):1–23.
- 31 Leaman, D.J., H. Fassil, and I. Thormann. 1999. Conserving medicinal and aromatic plant
32 species: Identifying the contribution of the International Plant Genetic Resources Institute.
33 Study commissioned by IDRC. IPGRI, Rome.
- 34 Lien, G., J.B. Hardaker, and O. Flaten. 2007. Risk and economic sustainability of crop farming
35 systems. *Agric. Syst.* 94(2):541–552.

- 1 Liniger, H., and W. Critchley (ed) 2007. Where the land is greener: Case studies and analysis of
2 soil and water conservation initiatives worldwide. WOCAT, CTA, Wageningen, FAO, Rome,
3 UNEP, Nairobi and CDE, Berne.
- 4 Lipton, M., J. Litchfield, R. Blackman, D. De Zoysa, L. Qureshy, and H. Waddington. 2003.
5 Preliminary review of the impact of irrigation on poverty with special emphasis on Asia.
6 FAO, Rome.
- 7 Mahnot, S.C., D.C. Sharma, A. Mishra, P.K. Singh, and K.K. Roy. 2003. Water harvesting and
8 management. Practical Guide Ser. 6. SDC/Intercooperation Coord. Unit, Jaipur.
- 9 Majok, A.A., and C.W. Schwabe. 1996. Development among Africa's migratory pastoralists.
10 Bergin and Garvey, NY.
- 11 Menzi, H., P. Gerber, and H. Steinfeld. 2003. Area-wide integration of livestock and crop activities
12 as a solution to allow sustainable growth of intensive livestock production in South East
13 Asia. Workshop presentation at the ZIL/SFIAR Conf. Rio + 11: Towards a new paradigm in
14 agricultural research—The challenge of sustainable. ETH Zurich, 6 June 2003.
- 15 Metcalfe, A.S. (ed) 2005. Knowledge management and higher education: A critical analysis.
16 [Online]. Available at <http://site.ebrary.com/lib/aucairo/Doc?id=10084481&ppg=14>. Inform.
17 Sci. Publ.
- 18 Milton, N. 2003. Knowledge management [Online]. Available at
19 <http://www.epistemics.co.uk/Notes/40-0-0.htm>.
- 20 Morris, B.L., A.R.L. Lawrence, P.J.C. Chilton, B. Adams, R.C. Calow, and B.A. Klinck. 2003.
21 Groundwater and its susceptibility to degradation: a global assessment of the problem and
22 options for management. Early Warning and Assessment Rep. Ser. RS.03-3. UNEP,
23 Nairobi.
- 24 Morton, J., and R. Matthewman. 1996. Improving livestock production through extension:
25 Information needs, institutions and opportunities. ODI Natural Perspect. 12, London.
- 26 Nasr, M. 1999. Assessing desertification and water harvesting in the Middle East and North
27 Africa: Policy implications. ZEF Disc. Pap. Dev. Policy No. 10. Zentrum für
28 Entwicklungsforschung, Bonn.
- 29 NEIWPCC (New England Interstate Water Pollution Control Commission). 2003. Artificial
30 groundwater recharge. White Paper, NEIWPCC. Lowell MA.
- 31 Newberne, P.M. 1980. Naturally occurring food borne toxicants. p 463–496. *In* R.S. Goodhart and
32 M.E. Shils (ed) Modern nutrition in health and disease. Lea and Febiger, Philadelphia.
- 33 Ngaido, T., M. McCarthy, and M. Di Gregorio. 2002. International Conference on Policy and
34 Institutional Options for the Management of Rangelands in Dry Areas. Workshop summary
35 paper. IFPRI, CAPRI Working Pap. 23. IFPRI, Washington DC.
- 36 OECD. 2000. Genetically modified foods—widening the debate on health and safety. OECD
37 Edinburgh Conf. Sci. Health Aspects Genetically Modified Foods. OECD consultation with

- 1 nongovernmental organizations on biotechnology and other aspects of food safety. OECD,
2 Paris.
- 3 OECD-FAO. 2006. OECD-FAO agricultural outlook, 2006–2015. OECD, Paris and FAO, Rome.
- 4 Oweis, T., and A. Hachum. 2001. Reducing peak supplemental irrigation demand by extending
5 sowing dates. *Agric. Water Manage.* 50:109–123.
- 6 Oweis, T., A. Hachum, and A. Bruggeman (ed) 2004. Indigenous water-harvesting systems in
7 West Asia and North Africa. ICARDA, Aleppo.
- 8 Oweis, T., A. Hachum, and J. Kijne. 1999. Water harvesting and supplementary irrigation for
9 improved water use efficiency in dry areas. SWIM Pap. 7. IWMI, Colombo.
- 10 Pandey, D.N. 2003. Cultural resources for conservation science. *Conserv. Biol.* 17(2):633–635.
- 11 Pandey, D.N. 2004. Traditional knowledge systems for biodiversity conservation [Online].
12 Available at http://www.infinityfoundation.com/mandala/t_es/t_es_pande_conserve.htm.
- 13 Pandey, D.N., D. Narayan, A.K. Gupta, and D.M. Anderson. 2003. Rainwater harvesting as an
14 adaptation to climate change. *Curr. Sci.* 85(1):46–59.
- 15 Patrick, G.F. 1992. Managing risk in agriculture. *Coop. Ext. Serv.*, Purdue Univ., West Lafayette
16 IN.
- 17 Payne, W.J.A., and R.T. Wilson. 1999. An introduction to animal husbandry in the tropics. 5th ed.
18 Cambridge Univ. Press, Cambridge.
- 19 Penning de Vries, F.W.T., H. Acquay, D. Molden, S.J. Scherr, C. Valentin, and O. Cofie. 2003.
20 Integrated land and water management for food and environmental security. CA Res. Rep.
21 1. Comp. Assessment Sec., IWMI, Colombo.
- 22 Perry, B., A. Nin Pratt, K. Sones, and C. Stevens. 2005. An appropriate level of risk: balancing
23 the need for safe livestock products with fair market access for the poor. Pro-Livestock
24 Policy Initiative Working Pap. 23. FAO, Rome.
- 25 Pinstrup-Andersen, P. 1999. Biotechnology for developing-country agriculture: Problems and
26 opportunities. Developing appropriate policies. Focus 2, Brief 9. IFPRI, Washington DC.
- 27 Pretty, J.N., A.D. Noble, D. Bossio, J. Dixon, R.E. Hine, F.W.T. Penning de Vries, and J.I.L.
28 Morrison. 2006. Resource-conserving agriculture increases yields in developing countries.
29 *Environ. Sci. Tech.* 40(4):114–119.
- 30 Pretty, J.N., and G.R. Conway. 1988. The blue-baby syndrome and nitrogen fertilisers: A high risk
31 in the tropics? IIED, London.
- 32 Prinz, D. 2002. The role of water harvesting in alleviating water scarcity in arid areas. p. 627. *In*
33 M. Al-Rashed et al. (ed) *Proc. Int. Conf. Water Resources Manage. Arid Regions*. A.A.
34 Balkema, Netherlands.
- 35 Prinz, D., and A. Malik. 2002. Runoff farming. Dept. of Rural Engineering. Univ. Karlsruhe,
36 Germany.

- 1 Prinz, D., S. Wolfer, and K. Siegert. 2000. Water harvesting for crop production. FAO training
2 course [Online]. Available at <http://www.fao.org/ag/agL/aglw/wharv.htm>. FAO, Rome.
- 3 Rafea, A. 1995. Expert systems as a tool for information technology in agriculture international
4 informatics access '95. Singapore.
- 5 Rafea, A. 1998. Agriculture. *In* J. Liebwitz (ed) Handbook of applied expert systems. CRC Press,
6 Boca Raton FL.
- 7 Rafea, A. 1999. Natural resource conservation and crop management expert systems. *In* G.
8 Kersten et al. (ed) Decision support systems for sustainable development. IDRC and
9 Kluwer Acad. Publ., Boston.
- 10 Rafea, A. 2000. Information strategy for the West Asia and North Africa (WANA) region [Online].
11 Available at <http://www.egfar.org>. GFAR, Rome.
- 12 Ramadan, A., and M. Al Sudairawi. 2005. Soil stabilisation methods in Kuwait: History and future.
13 *Eur. J. Sci. Res.* 11(1):57–75.
- 14 Raper, G.P. 1998. Agroforestry water use in Mediterranean regions of Australia. Water and
15 Salinity Issues Agrofor. No. 2, RIRDC Publ. No. 98/62, RIRDC Project No. DAW-35A. Rur.
16 Ind. Res. Dev. Corp., Kingston, Australia.
- 17 Reardon, T., and E. Farina. 2001. The rise of private standards of food quality and safety:
18 illustrations from Brazil. *Int. Food Agric. Manage. Rev.* 4:413–421.
- 19 Reardon, T., and L. Flores. 2006. Customized competitiveness—strategies for horticultural
20 exporters: Central America focus with lessons from and for other regions. *Food Policy*
21 31(6):483–503.
- 22 Regmi, A., and M. Gehlhar (ed) 2005. New directions in global food markets. *ERS Agric. Inform.*
23 *Bull.* 794 [Online]. Available at www.ers.usda.gov. USDA, Washington DC.
- 24 Rivera, W.M., M.K. Qamaer, and H.K. Mwandemere. 2005. Enhancing coordination among
25 AKIS/RD actors: an analytical and comparative review of country studies on agricultural
26 knowledge and information systems for rural development (AKIS/RD). FAO, Rome.
- 27 Rocheleau, D., F. Weber, and A. Field-Juma. 1988. Agroforestry in dryland Africa. ICRAF,
28 Nairobi.
- 29 Rosegrant, M.W., and X. Cai. 2000. Water scarcity and food security: alternative futures for the
30 21st century. *J. Water Sci. Tech.* 43:4:61–70.
- 31 Rosegrant, M., X. Cai, S. Cline, and N. Nakagawa. 2002. The role of rainfed agriculture in the
32 future of Global food production. EPTD Disc. Pap. 90. IFPRI, Washington DC.
- 33 Rosegrant, M.W., C. Ringler, T. Benson, X. Diao, D. Resnick, J. Thurlow et al. Agriculture and
34 achieving the Millennium Development Goals [Online]. Available at
35 <http://www.ifpri.org/pubs/cp/agmdg.asp>. IFPRI, Washington DC.
- 36 Ryder, O.A., A. McLaren, S. Brenner, Y.-P. Zhang, and K. Benirschke. 2000. DNA banks for
37 endangered animal species. *Science* 288:5464:275–277.

- 1 Scherr, S. 1999. Soil degradation—a threat to developing-country food security by, 2020? Food
2 Agric. Environ. Disc. Pap. 27 [Online]. Available at
3 <http://www.ifpri.cgiar.org/pubs/catalog.htm>. IFPRI, Washington DC.
- 4 Schofield, N.J., I.C. Loh, P.R. Scott, J.R. Bartle, P. Riston, R.W. Bell et al. 1989. Vegetation
5 strategies to reduce stream salinities of water resource catchments in south-west Western
6 Australia. p. 81. Water Resource Dir Rep. WS33. Water Authority of Western Australis,
7 Leederville, W.A.
- 8 Schwabe, C.W. 1984. Veterinary medicine and human health. 3rd ed. Williams and Wilkins,
9 Baltimore.
- 10 SDC (Swiss Agency Dev. Coop.). 2005. Water, 2015—policy principles and strategic guidelines
11 for integrated water resource management [Online]. Available at
12 http://www.deza.ch/ressources/deza_product_en_1750.pdf. SDC, Berne.
- 13 Seckler, D., and U. Amarasinghe. 2000. Water supply and demand, 1995 to 2025: Water scarcity
14 and major issues. *In* World water supply and demand. IWMI, Colombo.
- 15 Seré, C., and H. Steinfeld. 1996. World livestock production systems: current status, issues and
16 trends. Animal Prod. Health Pap. 127. FAO, Rome.
- 17 Schreiber, G., H. Akkermans, A. Anjewierden, R. De Hoog, N. Shadbolt, W. Van De Velde et al.
18 1999. Knowledge engineering and management: The common KADS methodology. MIT
19 Press, Cambridge MA.
- 20 Sidahmed, A.E. 1996. The rangelands of the arid/semi-arid areas: challenges and hopes for the
21 2000s. Keynote address to Symp. D: Range management. Int. Conf. Desert Dev. Arab Gulf
22 Countries, 23–26 Mar 1996. KISR, Kuwait.
- 23 SIMINetwork. 2006. Smallholder irrigation market initiative website [Online]. Available at
24 <http://www.siminet.org>.
- 25 Smith, D.M., P.G. Jarvis, and J.C.W. Odongo. 1997. Sources of water used by trees and millet in
26 Sahelian windbreak systems. *J. Hydrol.* 198:140–153.
- 27 Smith, T., S.H. Godfrey, E. Ssewanyana, P.J. Buttery, and E. Owen (ed) 2005. Small stock in
28 development. Proc. workshop on enhancing the contribution of small livestock to the
29 livelihoods of resource-poor communities. Masaka, Uganda, 15-19 Nov 2004. NRI,
30 Aylesford, Kent.
- 31 Solomon, K.H. 1988. Irrigation system selection. Irrigation notes. California State Univ., Fresno.
- 32 Squire, R.A. 1981. Ranking animal carcinogens: a proposed regulatory approach. *Science*
33 214:877-880.
- 34 Steiner, K.G. 1996. Causes of soil degradation and development approaches to sustainable soil
35 management. GTZ, GmbH, Eschborn. Margraf Verlag, Weikersheim.

- 1 Steinfeld, H., P. Gerber, T. Wassenaar, V. Castel, M. Rosales and C. de Haan. 2006. Livestock's
2 long shadow: Environmental issues and options. Livestock, Environ. Dev. Initiative. FAO,
3 Rome.
- 4 Street, K., and Z. Khalikulov. 2004. Agro-biodiversity conservation in Central Asia and the
5 Caucasus: A focus on ICARDA's recent collaborative work. p. 259–260. *In* J. Ryan et al.
6 (ed) Agriculture in Central Asia: Research for development. ICARDA, Aleppo.
- 7 Studer, C. 2005. Basics important to understand the concept of virtual water and policy relevance
8 of the concept. Presentation at the Egyptian-Swiss Workshop on Virtual Water Strategy in
9 Integrated Water Resource Manage., El Kanater, Egypt. 5–8 Jun 2005.
- 10 Studer, C., J. Jamaledin, and A. Thust. 2002. Framework paper for the UNCCD Thematic
11 Programme Network 4 (TPN4) on Water Resources Manage. Agric. Arid, Semi-Arid and
12 Sub-Humid Areas of the Asia Reg. Action Prog. Damascus and Bonn.
- 13 Studer, C., M.A. Zöbisch, and R. Tutwiler. 2000. Land degradation—nature and consequences,
14 reasons behind, and strategies to address it. Reg. Workshop on Degradation and
15 Rehabilitation of Marginal Lands in the Arab Region, Cairo, 2–4 Jul 2000.
- 16 Thomas, R., A. Aw-Hassan, A.B. Salkini, and R. LaRovere, 2003. Minutes of consultation for the
17 CWANA region on the Proposed IAASTD, Egypt. 25–26 Feb2003 [Online]. Available at
18 <http://www.agassessment.org/docs/cairoreport.pdf>. ICARDA, World Bank and the Dep.
19 Agric. Land Reclamation, Egypt.
- 20 Turner, N.C. 1986. Crop water deficits: A decade of progress. *Adv. Agron.* 39:1–51.
- 21 UNEP/IETC. 2001. Sourcebook of alternative technologies for freshwater augmentation in West
22 Asia. IETC Tech. Publ. Ser. 8 [Online]. Available at
23 <http://www.unep.or.jp/ietc/Publications/TechPublications/TechPub-8f/B/Groundwater1.asp>.
24 UNEP/IETC, Shiga, Japan.
- 25 University of Arizona. 1999. Arizona master gardener manual: an essential reference to
26 gardening in the desert Southwest [Online]. Available at
27 <http://ag.arizona.edu/pubs/garden/mg/irrigation/>. Univ. Arizona, Tucson.
- 28 University of Reading. 2005. Environmental challenges in farm management. Course
29 documentation [Online]. Available at <http://www.ecifm.rdg.ac.uk/>.
- 30 Van Duivenbooden, N., M. Pala, C. Studer, and C.L. Biolders. 2000. Cropping systems and crop
31 complementarity in dryland agriculture to increase soil water use efficiency: A review.
32 *Netherlands J. Agric. Sci.* 48:213–236.
- 33 Vogt C., C. Nowak, J.B. Diogo, M. Oetken, K. Schwenk, J. Oehlmann. 2007. Multi-generation
34 studies with *Chironomus riparius* - Effects of low tributyltin concentrations on life history
35 parameters and genetic diversity. *Chemosphere* 67(11):2192-200.
- 36 Werners, S.E., F. Incerti, M. Bindi, M. Moriondo, and F. Cots. 2007. Diversification of agricultural
37 crops to adapt to climate change in the Guadiana River Basin. *Int. Conf. Climate Change,*

- 1 Hong Kong. 29–31 May 2007. [Online]. Available at
2 <http://www.hkie.org.hk/iccc2007/docs/PDF/Oral%20Papers/W01.PDF>.
- 3 World Bank. 2005. Managing the livestock revolution: policy and technology to address the
4 negative impacts of a fast-growing sector. ARD Rep. 32725-GLB. p. 63 [Online]. Available
5 at http://siteresources.worldbank.org/INTARD/Resources/Livestock_final+no+maps.pdf.
6 World Bank, Washington\ DC.
- 7 World Bank. 2007. World development report, 2008: Agriculture for development. World Bank,
8 Washington DC.
- 9 World Water Council. 2004. E-conference synthesis: Virtual water trade—conscious choices. Mar
10 2004.
- 11 Wright, A.D.G., P. Kennedy, C.J. O'Neill, A.F. Toovey, S. Popovski, S.M. Rea et al. 2004.
12 Reducing methane emissions in sheep by immunization against rumen methanogens.
13 *Vaccine* 22(29–30):3976–3985.
- 14 WTO. 2000. Protection of biodiversity and traditional knowledge—the Indian experience.
15 WT/CTE/W/156, IP/C/W/198 [Online]. Available at
16 <http://www.twinside.org.sg/title/cteindia.htm>. WTO, Geneva.