

Appendix 5. References and further reading

- Berndt, R.D., and Coughlan, K.J. (1976). The nature and change in bulk density with water content in a cracking clay. *Australian Journal of Soil Research*, **15**, 27-37.
- Bridge, B.J., and Ross, P.J. (1984). Relations among physical properties of cracking clay soils. In *Properties and Utilization of Cracking Clay Soils, Reviews in Rural Science* **5**, 97–104. (Uni. of New England: Armidale, NSW).
- Bridge, B.J. (1981). Site Characterisation for Field Experiments-Soil Physical Aspects. In 'Notes for Refresher Training Course on Interpretation of Plant Response and Adaptation to Agricultural Environments. *A.I.A.S. Refresher Training Course, Brisbane, Qld., 2-6 Feb 1981*.
- Cahill, M., and Dimes, J., (1997). PADFERT 2. QDPI, Toowoomba, Qld
- Charman, P.E.V. and Murphy, B.W. (Eds.) (1991) *Soils: their properties and management-a soil conservation handbook for New South Wales*, Sydney University Press & Oxford University Press, Australia.
- Clarke, A.L. and Wylie, P.B. (eds) (1997). *Sustainable crop production in the subtropics: an Australian perspective*. Department of Primary Industries, Brisbane Queensland.
- Cornish, P.E. and Pratley, J.E. Tillage practices in sustainable farming systems, in *Dryland Farming, a Systems Approach*. Eds. Squires and Tow. Sydney University Press pp 76-101.
- Dalgliesh, N.P. (1996). Measuring plant-available water storage capacity in northern Australia. *Proceedings, 8th Australian Agronomy Conference, Toowoomba, Qld, January 1996*, pp. 638.
- Dalgliesh, N.P. (1996). Soil sampling techniques for monitoring water and nitrogen. *proceedings 8th Australian Agronomy Conference, Toowoomba, Qld*.
- Dalgliesh, N.P., McCown, R.L., Bridge, B., Probert, M.E. and Cawthray, S. (1998). *Characterising soils for Plant Available Water Capacity: challenges on shrink/swell soils. Proceedings of 9th Australian Agronomy Conference, Wagga Wagga, NSW, pp. 793-794*.
- Daniells, I., Brown, R. and Deegan, L. (Eds) (1994). Northern wheat-belt SOILpak: A soil management package for dryland farming in the summer rainfall zone. *NSW Agriculture, PMB 944, Tamworth, NSW 2340, Australia*.
- Fawcett, R.G. (1969). Soil Moisture Probe for the wheat belt of northern New South Wales and southern Queensland. North West Wheat Research Institute Report No. NA 69/2. North West Wheat Research Institute, Narrabri, NSW.
- Fawcett, R.G. and Collis-George, N. (1967). A filter-paper method for determining the moisture characteristics of soil. *Australian Journal of Experimental Agriculture and Animal Husbandry* **7**, 162-167.
- Fawcett, R.G., Gidley, V.N. and Doyle, A.D. (1974). Fallow moisture and wheat yields in the northwest. *Agriculture Gazette of NSW*, April 1974 pp 14-15. New South Wales Department of Agriculture, Agriculture Research Centre, Tamworth, NSW.
- Foale, M.A. (1980). Soil coring methods in crop and pasture research. *Tropical Agronomy Tech. Memo. 15*. CSIRO Tropical Agriculture, Carmody Rd, St Lucia, Qld.
- Foale, M.A., Dalgliesh, N.P., Freebairn, D.M., Wockner, G.H., Ackhurst, L. and Thomas, N. (1993). *Exploring the soil on your farm*. Agricultural Production Systems Research Unit, PO Box 102, Toowoomba Qld 4350.
- Forge, K. (1995). *Soil Check*, Department of Primary Industries, Queensland, PO Box 46, Brisbane 4001 ISBN 0 7242 5897 3.
- Freebairn, D.M. (1992). *Soil and Crop Management for Improved Use of Rainfall*. Agricultural Production Systems Research Unit, QDPI, Toowoomba, Qld. Prepared for Queensland Crop Production Conference, Biloela, 12-13th August 1992.

Soil matters

- Freebairn, D.M., Loch, R.J. and Silburn, D.M. (1996). Soil erosion and soil conservation for vertisols. In: *Vertisols and technologies for their management*. (N. Ahmed and A. Mermut, Eds) *Developments in soil science* 24, 303-362. Elsevier.
- Freebairn, D.M., Ward, L.D., Clarke, A.L. and Smith, G.D. (1986). Research and Development of reduced tillage systems for vertisols in Queensland, Australia. *Soil and Tillage Research* 8 (1986) pp 211-229.
- Freebairn, D.M. and Wockner, G.H. (1996). Soil/ water relationships-a series of slides pertaining to soil water relations. APSRU/DNR, PO Box 102, Toowoomba, Qld.
- French, R.J., and Schulz, J.E. (1984). Water Use Efficiency of Wheat in a Mediterranean-type Environment. 1. The Relation between Yield, Water use and Climate. *Aust. J. Agric Res.*, 35, 743-764.
- Gardner, E.A. (1985). Identification of Soils and Interpretation of Soil Data, Chapter: Soil Water, pp. 197-234. *Australian Society of Soil Science Inc, Qld Branch: Brisbane*.
- Glendinning, J.S. (Editor) (1990). Fertiliser Handbook. *Incitec, Queensland*.
- Godwin, D.C., Jones, C.A., Ritchie, J.T., Viek, P.L.G., and Youngdahl, L.J. (1984). *Proceedings of the International Symposium on Minimum Data Sets for Agrotechnology Transfer, 1983*. (ICRISAT, Patancheru, A.P., India.)
- Hamilton, N.A. (1995). Learning to learn with farmers. *Thesis: Landbouw Universiteit, Wageningen*.
- Hunt, Natalia and Gilkes, Bob (1992). Farm Monitoring Handbook - a practical down-to-earth manual for farmers and other land users. *University of Western Australia, Perth*.
- INCITEC Qualitative Guide to Soil Sampling. INCITEC Pty Ltd, PO Box 140 Morning-side, Qld.
- Isbell, R.F., McDonald, W.S. and Ashton, L.J. (1997). Concepts and rationale of the Australian soil classification. *CSIRO, Melbourne*.
- Jacobsen, C., Keith, K. and Kamel, T. (1992). Understanding soil ecosystem relationships. *Queensland Department of Primary Industries, Brisbane, Australia*.
- Jenny, H. (1980). The soil resource. *Springer Verlag, New York*.
- Jones, P.N. (1994). Sample Size for On-Farm Soil Sampling. CSIRO, Brisbane. IPP&P Biometrics Unit Report. IPPP/BU/94/15.
- Kondinin (1996). Farming today for tomorrow, Farming Ahead No. 60, Dec 1996.
- Northcote, K.H. (1983). Soils, soil morphology and soil classification: Training course lectures. *CSIRO and Rellim Technical Publications Pty Ltd, Adelaide, South Australia*
- Ratliff, L.F., Ritchie, J.T., and Cassel, D.K. (1983). Field-measured limits of soil water availability as related to laboratory-measured properties. *Soil Science Society of America Journal*, 47, 770.
- Ridge, P. (1994). Nitrogen Requirements for Dryland Cotton. Discussion Brief prepared for APSRU, November 1994.
- Ross, P.J. (1985). Using bulk density to calculate soil water changes in soils with shrinkage cracks. *Aust. J. Soil Research*, 23, 109-13.
- Swartz, G.L. (1966). Water entry into a black earth under flooding. *Qld. J. Ag. and Animal Science*, 23, 407-22.
- Talsma, T. and van der Lelij, A. (1976). Infiltration and water movement in an *in situ* swelling soil during prolonged ponding. *Aust. J. Soil Research*, 14, 337-49.
- Turpin, J., Freebairn, D., and Marcellos, H. (1997). Predicting monthly mineralisation prior to and during a wheat crop at Dalby. Agricultural Production Systems Research Unit/ NSW Agriculture, Toowoomba, Qld. In draft.
- Willcocks, J. (1991). Queensland's rainfall history. *Queensland DPI, GPO Box 46, Brisbane. ISBN 0 7242 3913 8*.
- Williams, J. (1983). Physical Properties and Water Relations: Soil Hydrology. In *Soils: an Australian Viewpoint*, 499-530. *CSIRO: Melbourne/ Academic Press*.

Land management manuals

Central Darling Downs

Harris, P.A. (ed.) (1998). Central Darling Downs Land Management Manual, Resource Management, Department of Natural Resources, Brisbane.

Central Highlands

Thwaites, R.N. and Maher, J.M. (eds.) 1993. Understanding and Managing Soils in the Central Highlands. Department of Primary Industries Training Series QE93002, Brisbane.

Crows Nest

Bierenbroodspot, J. and Mullins, J.A. (1983). Land Management Field Manual: Crow's Nest District. Queensland Department of Primary Industries Training Series QE830001.

Dawson/Callide

Gillespie, R.L., Shields, P.G. and Cannon, R.S. (1991). Dawson/Callide Districts Field Manual. Queensland Department of Primary Industries Training Series QE 91003.

Murilla, Tara and Chinchilla

Maher, J.M. (ed.) 1996. Understand and Managing Soils in the Murilla, Tara and Chinchilla Shires. Department of Primary Industries Training Series QE96001, Brisbane.

Roma District

Macnish, S.E. (ed.) 1987. Land Management Field Manual: Roma District. Queensland Department of Primary Industries Training Series QE870001, Brisbane.

Stanthorpe-Rosenthal

Maher, J.M. (ed.) 1996. Understanding and Managing Soils in the Stanthorpe-Rosenthal Region, Department of Natural Resources DNRQ96001, Brisbane.

Waggamba

Thwaites, R.N. and Macnish, S.E. (eds.) 1991. Land Management Manual: Waggamba Shire, Queensland Department of Primary Industries and Waggamba Conservation Committee, Parts A to C, Queensland Department of Primary Industries Training Series QE90014.

The authors and contributors to this manual

Biggs, Andrew – Department of Natural Resources, PO Box 102, Toowoomba Qld 4350.

Cahill, Michael – Department of Primary Industries, PO Box 102, Toowoomba Qld 4350

Cawley, Scot – Department of Primary Industries, PO Box 308, Roma Qld 4455.

Cawthray, Shayne – CSIRO/APSURU, PO Box 102, Toowoomba Qld 4350.

Dalgliesh, Neal P. – CSIRO/APSURU, PO Box 102, Toowoomba Qld 4350.

Douglas, Neville J. – Department of Primary Industries (Retired).

Foale, Michael A. – CSIRO/APSURU, PO Box 102, Toowoomba Qld 4350.

Freebairn, David – Department of Natural Resources, PO Box 102, Toowoomba Qld 4350.

Hamilton, Gus (A.N.) – Department of Primary Industries, PO box 993, Dalby Qld 4405.

Lawrence, David N. – Department of Primary Industries, PO Box 160, Pittsworth Qld 4356.

Probert, Merv – CSIRO Tropical Agriculture, St Lucia, Brisbane, Qld 4067.

Thompson, Cliff – Honorary Research Fellow, CSIRO, St Lucia, Brisbane, Qld 4067.