

Special Issue: Cotton Catchment Communities CRC – Research Outcomes & Innovation (Part 1)

Foreword

Guy Roth, Peter Gregg, Jane Trindall

i

Review paper

IPM in the transgenic era: a review of the challenges from emerging pests in Australian cotton systems

Lewis Wilson, Sharon Downes, Moazzem Khan, Mary Whitehouse, Geoff Baker, Paul Grundy, Susan Maas

737

Research papers

An assessment of alternative cotton fibre quality attributes and their relationship with yarn strength

Robert L. Long, Michael P. Bange, Christopher D. Delhom, Jeffrey S. Church, Greg A. Constable

750

Integrated pest management in cotton: exploiting behaviour modifying (semiochemical) compounds for managing cotton pests

Robert K. Mensah, Peter C. Gregg, Alice P. Del Socorro, Christopher J. Moore, Anthony J. Hawes, Nick Watts

763

Three decades of cotton disease surveys in NSW, Australia

K. A. Kirkby, P. A. Lonergan, S. J. Allen

774

Managing glyphosate resistance in Australian cotton farming: modelling shows how to delay evolution and maintain long-term population control

David Thornby, Jeff Werth, Steven Walker

780

Changes in weed species since the introduction of glyphosate-resistant cotton

Jeff Werth, Luke Boucher, David Thornby, Steve Walker, Graham Charles

791

Soil organic carbon concentrations and storage in irrigated cotton cropping systems sown on permanent beds in a Vertosol with restricted subsoil drainage

N. R. Hulugalle, T. B. Weaver, L. A. Finlay, V. Heimoana

799

The effect of sodicity on cotton: does soil chemistry or soil physical condition have the greater role?

K. Dodd, C. N. Guppy, P. V. Lockwood, I. J. Rochester

806

Impact of waterlogging on the nutrition of cotton (*Gossypium hirsutum* L.) produced in sodic soils

K. Dodd, C. N. Guppy, P. V. Lockwood, I. J. Rochester

816

Growth and phosphorus uptake of faba bean and cotton are related to Colwell-P concentrations in the subsoil of Vertosols

T. I. McLaren, M. J. Bell, I. J. Rochester, C. N. Guppy, M. K. Tighe, R. J. Flavel

825

Cotton farming systems in Australia: factors contributing to changed yield and fibre quality

M. V. Braunack

834

Maximum ambient temperature can influence carbon storage in Vertosols sown with cotton-based farming systems

N. R. Hulugalle

845