

RESEARCH PAPERS

- Genetic gain in yield and associated changes in phenotype, trait plasticity and competitive ability of South Australian wheat varieties released between 1958 and 2007
Victor O. Sadras, Chris Lawson 533
- Wheat genotypes differ in potassium accumulation and osmotic adjustment under drought stress
P. M. Damon, Q. F. Ma, Z. Rengel 550
- Prevalence and importance of sensitivity to the *Stagonospora nodorum* necrotrophic effector SnTox3 in current Western Australian wheat cultivars
Ormonde D. C. Waters, Judith Lichtenzveig, Kasia Rybak, Timothy L. Friesen, Richard P. Oliver 556
- Seasonal allocation of photosynthetically fixed carbon to the soybean-grown Mollisols in Northeast China
J. Jin, G. H. Wang, J. D. Liu, X. B. Liu, J. J. Liu, Z. H. Yu, S. J. Herbert 563
- Effects of irrigating forage turnips, *Brassica rapa* var. *rapa* cv. Barkant, during different periods of vegetative growth. 2. Nutritive characteristics of leaves and roots
B. A. Rowe, J. E. Neilsen 571
- Ecological factors affecting distribution and abundance of *Medicago minima*
Diana E. Fresnillo-Fedorenko, Philip S. Cocks, John W. Bowden 581
- Seedling recruitment of native perennial grasses within existing swards
R. Thapa, D. R. Kemp, D. L. Michalk, W. B. Badgery, A. T. Simmons 591
- Seasonal distribution of loline alkaloid concentration in meadow fescue infected with *Neotyphodium uncinatum*
Brian Patchett, Ravi Gooneratne, Lester Fletcher, Bruce Chapman 603
- Yield and water-use efficiency of contrasting lucerne genotypes grown in a cool temperate environment
K. G. Pembleton, R. P. Rawnsley, D. J. Donaghy 610