

Special Issue: Dual Purpose Cropping Systems

Foreword: Dual-purpose cropping – capitalising on potential grain crop grazing to enhance mixed-farming profitability
Lindsay W. Bell, Matthew T. Harrison, John A. Kirkegaard i

RESEARCH PAPERS

- Effects of grazing on crop crown temperature: implications for phenology
Matthew T. Harrison, Walter M. Kelman, Jim M. Virgona 235
- Effect of defoliation by grazing or shoot removal on the root growth of field-grown wheat (*Triticum aestivum* L.)
J. A. Kirkegaard, J. M. Lilley, J. R. Hunt, S. J. Sprague, N. K. Ytting, I. S. Rasmussen, J. M. Graham 249
- Forage and grain yield of diverse canola (*Brassica napus*) maturity types in the high-rainfall zone of Australia
S. J. Sprague, J. A. Kirkegaard, J. M. Graham, L. W. Bell, M. Seymour, M. Ryan 260
- Forage canola (*Brassica napus*): spring-sown winter canola for biennial dual-purpose use in the high-rainfall zone of southern Australia
Annieka Paridaen, John A. Kirkegaard 275
- Effect of timing and height of defoliation on the grain yield of barley, wheat, oats and canola in Western Australia
Mark Seymour, Jonathan H. England, Raj Malik, David Rogers, Andrew Sutherland, Allen Randell 287
- Performance of spring cereal genotypes under defoliation on the Eyre Peninsula, South Australia
R. A. Latta 301
- Forage and grain yield of grazed or defoliated spring and winter cereals in a winter-dominant, low-rainfall environment
Alison J. Frischke, James R. Hunt, Dannielle K. McMillan, Claire J. Browne 308
- Evaluating the feasibility of dual-purpose canola in a medium-rainfall zone of south-eastern Australia: a simulation approach
Jeffrey I. McCormick, Jim M. Virgona, Julianne M. Lilley, John A. Kirkegaard 318
- Optimising grain yield and grazing potential of crops across Australia's high-rainfall zone: a simulation analysis. 1. Wheat
Lindsay W. Bell, Julianne M. Lilley, James R. Hunt, John A. Kirkegaard 332
- Optimising grain yield and grazing potential of crops across Australia's high-rainfall zone: a simulation analysis. 2. Canola
Julianne M. Lilley, Lindsay W. Bell, John A. Kirkegaard 349
- Integrating dual-purpose wheat and canola into high-rainfall livestock systems in south-eastern Australia. 1. Crop forage and grain yield
S. J. Sprague, J. A. Kirkegaard, H. Dove, J. M. Graham, S. E. McDonald, W. M. Kelman 365
- Integrating dual-purpose wheat and canola into high-rainfall livestock systems in south-eastern Australia. 2. Pasture and livestock production
H. Dove, J. A. Kirkegaard, W. M. Kelman, S. J. Sprague, S. E. McDonald, J. M. Graham 377
- Integrating dual-purpose wheat and canola into high-rainfall livestock systems in south-eastern Australia. 3. An extrapolation to whole-farm grazing potential, productivity and profitability
L. W. Bell, H. Dove, S. E. McDonald, J. A. Kirkegaard 390
- The role and value of combining dual-purpose crops and lucerne in a mixed-enterprise farming system
R. Kingwell, L. Squibb 399
- Small effects of deferment of annual pastures through grazing spring wheat crops in Western Australia can benefit livestock productivity
Dean T. Thomas, Andrew D. Moore, Hayley C. Norman, Clinton K. Revell 410