

Australian Journal of Agricultural Research

Contents

Volume 58

Issue 7

2007

Crop/pasture agronomy and physiology

The limit to wheat water-use efficiency in eastern Australia. II. Influence of rainfall patterns.

V. O. Sadras, D. Rodriguez

657

Water stress and reduced fruit size in micro-irrigated pear trees under deficit partial rootzone drying.

Mark G. O'Connell, Ian Goodwin

670

Increasing applications of potassium fertiliser to barley crops grown on deficient sandy soils increased grain yields while decreasing some foliar diseases.

R. F. Brennan, K. W. Jayasena

680

Companion crop performance in the absence and presence of agronomic manipulation.

R. H. Harris, J. R. Hirth, M. C. Crawford, W. D. Bellotti, M. B. Peoples, S. Norng

690

Crop/pasture improvement and protection

Differences in zoospore germination and host penetration in response to temperature among Western Australian isolates of *Plasmopara viticola*.

M. G. Williams, P. A. Magarey, K. Sivasithamparam

702

Widespread occurrence of multiple herbicide resistance in Western Australian annual ryegrass (*Lolium rigidum*) populations.

Mechelle J. Owen, Michael J. Walsh, Rick S. Llewellyn, Stephen B. Powles

711

Seed dispersal and seedling recruitment in *Phalaris aquatica* populations developed by divergent selection for panicle shattering and seed retention.

W. M. Kelman, R. A. Culvenor

719

Ecogeographical studies identify diversity and potential gaps in the largest germplasm collection of bladder clover (*Trifolium spumosum* L.).

K. Ghamkhar, R. Snowball, S. J. Bennett

728

Animal breeding and genetics

16S rRNA gene microbial analysis of the skin of fleece rot resistant and susceptible sheep.

T. J. Dixon, S. I. Mortimer, B. J. Norris

739

Animal nutrition and physiology

Perinatal wool follicle attrition coincides with elevated perinatal circulating cortisol concentration in Merino sheep.

A. C. Toland Thompson, M. L. Hebart, N. M. Penno, P. I. Hynd

748