

Crop/pasture agronomy and physiology

Water deficit and impaired pegging effects on peanut seed yield: links with water and photosynthetically active radiation use efficiencies

Ricardo J. Haro, Julio L. Dardanelli, Daniel J. Collino, María E. Otegui

343

Low rates of phosphorus fertiliser applied strategically throughout the growing season under rain-fed conditions did not affect dry matter production of perennial ryegrass (*Lolium perenne* L.)

L. L. Burkitt, D. J. Donaghy, P. J. Smethurst

353

Impact of high temperature on pollen germination and spikelet sterility in rice: comparison between basmati and non-basmati varieties

Bidisha Chakrabarti, P. K. Aggarwal, S. D. Singh, S. Nagarajan, H. Pathak

363

Salt-induced modulation in some key gas exchange characteristics and ionic relations in pea (*Pisum sativum* L.) and their use as selection criteria

Zahra Noreen, Muhammad Ashraf, Nudrat Aisha Akram

369

Crop/pasture improvement

Variation in salinity tolerance, early shoot mass and shoot ion concentrations within *Lotus tenuis*: towards a perennial pasture legume for saline land

N. L. Teakle, A. Snell, D. Real, E. G. Barrett-Lennard, T. D. Colmer

379

Evaluating an active optical sensor for quantifying and mapping green herbage mass and growth in a perennial grass pasture

M. G. Trotter, D. W. Lamb, G. E. Donald, D. A. Schneider

389

Pre-cropping with canola decreased *Pratylenchus thornei* populations, arbuscular mycorrhizal fungi and yield of wheat

K. J. Owen, T. G. Clewett, J. P. Thompson

399

Pasture management

Seedling competition of lucerne in mixtures with temperate and tropical pasture species

S. P. Boschma, G. M. Lodge, S. Harden

411

A simplified method for characterising agronomic services provided by species-rich grasslands

Michel Duru, Pablo Cruz, Jean Pierre Theau

420