



6th ANNUAL CONFERENCE PROCEEDINGS

5 & 6 JUNE 1991 – Orange NSW

“PERENNIALS: THE KEY TO PASTURE STABILITY”

Invited Papers	Author	Page
The contribution of perennials to stability and productivity of rangelands in the pastoral zone	Tony Grice	8
Managing to maintain desirable perennials	Ron Rees	13
Domestication of native perennial grasses – problems and potential	Alison Bowman	16
Aerial seeding – rewards and risks at Goondiwindi	John Wettenhall	20
Defining the boundaries & manipulating the system	David Kemp	24
Sustainable pasture/crop systems – whole farm management	Tony Lehmann	31
Filling in the feed gaps – direct drilling oats into phalaris	Bryan Ward	33
Forage conservation – A key to productivity in the 90's	Don Sapienza	36
Aerial agriculture and the environment – the conservation case	Harvey Baker	43
Aerial spraying – minimising the risk	Peter Weatherstone	46
Aerial agriculture is essential for improvement of grasslands in New South Wales	Malcolm Campbell, David Vere	49
Aerial agriculture in action – on farm results in the control of serrated tussock	Roy Reynolds	56
Perennials in the pipeline – new cultivars for acid soils	Rex Oram	59
Do perennial pastures reduce soil acidity?	Keith Helyar	64
Biological control of weeds – update on friendly fungi, bugs and grubs	Ernest Delfosse, Jim Cullen	72
Tolerance of perennial pastures to herbicides	Warren McDonald	82
Annual grass invasion – control costs and production losses	Richard Bloomfield	86
Herbicide resistance – a potential problem for perennial pastures?	Steve Sutherland, Andrew Leys	88
Contributed papers	Author	Page
Chicory: A New Forage Herb for the New South Wales Central Tablelands and Slopes	Mary Goodacre, David Kemp	93
Perennial Ryegrasses with Late Spring and Summer Production Potential	Peter Neilson	94
Perennial Pastures – Hidden Benefits Unearthed	Des Lang	95

Phalaris Absorbs more Soil Moisture at Depth than Perennial Ryegrass	Geoff Millar	95
Effects of Grazing Management and Superphosphate Application on Botanical Composition: Some Preliminary Results	Peter Dowling, David Kemp, David Michalk, Geoff Millar and Mary Goodacre	96
Phalaris Toxicity in Sheep Involves Two Separate Diseases	Chris Bourke	97
Top Dressing Pastures with Selenium	Brett Riley	98
Pasture Topping with Roundup CT [®] : Benefits for Cattle Production	Stephen Ainsworth	99
Research on Mycoherbicides for Control of <i>Xanthium</i> spp.	Bruce Auld, Cheryl McRae and Louise Morin	100
Possible Bio-Control of Sifton bush (<i>Cassinia arcuata</i>) by scale insects	Malcolm Campbell, Peter Wykes	101
Herbicides for Control of Sifton bush (<i>Cassinia arcuata</i>)	Barney Milne, David Michalk	102
Effects of Soil Acidity in the Yeoval Area	S Orr, A Bulkeley, M Strachan and V Collins	103
Relative Tolerance of Yellow Serradella Cultivars to Al and Mn	Brendan Scott, Time Drew and David Michalk	104
Orange Agricultural Research and Veterinary Centre	Mike Cull, Chris Weale	105