

## Publications 2006

### Scientific Journals

Aksouh, N.M., Campbell, L.C. and **Mailier, R.J.** (2006). Canola response to high and moderate temperature stresses. *Canadian Journal of Plant Science*. In press.

Chan, K.Y., **Oates, A.**, Swan, A.D., **Hayes, R.C.**, **Dear, B.S.** and Peoples, M.B. (2006). Agronomic consequences of tractor wheel compaction on a clay soil. *Soil & Tillage Research* 89,13-21.

**Cullis, B. R. Smith, A. B.** and **Coombes, N.E.** (2006). On the design of early generation variety trials with correlated data. *Journal of Agricultural, Biological and Environmental Statistics* (to appear).

**Dear, B.S.**, **Sandra GA**, and Wilson, B.C.D. (2006) Tolerance of perennial pasture grass seedlings to pre- and post-emergent grass herbicides. *Australian Journal of Experimental Agriculture* 46, 637-644.

Entwistle, K.W., Cummins, L.J., Hillard, M.A., Kinder, J.E., O'Shea, T., Piper, L.R., Thimonier, J. and **Wilkins, J.F.** (2006). Bernard Michael Bindon - reproductive physiologist, animal scientist, research leader. *Australian Journal of Experimental Agriculture* 46(2), i-xii.

**Evans, J.**, McDonald, L. and **Price, A.** (2006) Application of reactive phosphate rock and sulphur fertilisers to enhance the availability of soil phosphate in organic farming. *Nutrient Cycling in Agroecosystems*, 75, 233-246.

**Evans, J.**, **Murray, G.M.**, **Scott, G.**, **Orchard, B.**, **Brennan, J.**, **Lemerle, D.**, **Kaiser, A.** and **Armstrong, E.L.** (2006) Impact of annual legume 'break' crops on the yield and quality of canola in comparison with the impact on wheat. *Australian Journal of Experimental Agriculture*, 46, 1489-1497.

Greer, D.H., **Rogiers, S.Y.**, Steel, C.C. (2006) Susceptibility of Chardonnay grapes to sunburn. *Vitis* 45: 147-148.

Latter, M.R., Latter, B.D.H., **Wilkins, J.F.** and Windsor, P.A. (2006). Inheritance of proportionate dwarfism in Angus cattle. *Australian Veterinary Journal* 84 (4), 127-133.

**Lemerle, D.**, **Verbeek, B.**, and **Diffey, S.** (2006) Influence of field pea (*Pisum sativum*) density on grain yield and competitiveness with annual ryegrass (*Lolium rigidum*) in south eastern Australia. *Australian Journal of Experimental Agriculture* 46:1465-1472

**Li, G.D.**, **Helyar, K.R.**, **Conyers, M.K.**, **Castleman, L.J.C.**, **Fisher, R.P.**, **Poile, G.J.**, **Lisle, C.J.**, **Cullis, B.R.** and Cregan, P.D. (2006b) Pasture and sheep responses to lime application in a grazing experiment in a high-rainfall area, south-eastern Australia. II. Liveweight gain and wool production. *Australian Journal of Agricultural Research* 57, 1057-1066.

**Li, G.D.**, **Helyar, K.R.**, **Welham, S.J.**, **Conyers, M.K.**, **Castleman, L.J.C.**, **Fisher, R.P.**, **Evans, C.M.**, **Cullis, B.R.** and Cregan, P.D. (2006a) Pasture and sheep responses to lime application in a grazing experiment in a high-rainfall area, south-eastern Australia. I. Pasture production. *Australian Journal of Agricultural Research* 57, 1045-1055.

Liu, Y.H., Zeng, R.S. **Liu, D.L.**, Luo, S.M., **Wu, H.W.** and An, M. (2006) Modelling dynamics of plant defence volatiles using the An-Liu-Johnson-Lovett model. *Allelopathy Journal* 18:

215-224.

**Loch, A.D.** (2006). Phenology of Eucalyptus weevil, *Gonipterus scutellatus* Gyllenhal (Coleoptera: Curculionidae), and chrysomelid beetles in Eucalyptus globulus plantations in south-western Australia. *Agricultural and Forest Entomology* 8, 155-165.

Loi, A., Nutt, B.J., Revell, C.K., **Sandral, G.A.**, and **Dear, B.S.** (2006) Mauro: a mid to late maturing cultivar of biserrula (*Biserrula pelecinus*) *Australian Journal of Experimental Agriculture* 46, 595-597.

Mullen, C.L., Scott, B.J., Evans, C.M. and **Conyers, M.K.** (2006) Effect of soil acidity and liming on lucerne and following crops in central-western New South Wales. *Australian Journal of Experimental Agriculture* 46, 1291-1300.

Nichols, P.G.H., Barbetti, M.J., Evans, P.M., Craig, A.D., **Sandral, G.A.**, **Dear, B.S.**, Si, P. and You, M.P. (2006) Napier subterranean clover (*Trifolium subterraneum* L. var. yannicum) *Australian Journal of Experimental Agriculture* 46, 1109-1112.

Nichols, P.G.H., Barbetti, M.J., **Sandral, G.A.**, **Dear, B.S.**, deKoning, C.T., Lloyd, D.L., Evans, P.M., Craig, A.D., Si, P. and You, M.P. (2006) Urana subterranean clover (*Trifolium subterraneum* L. var. *subterraneum*) *Australian Journal of Experimental Agriculture* 46, 1105-1107.

**Raman, H.**, **Raman, R.**, **Wood, R.** and **Martin, P.** (2006) Repetitive indel markers within the ALMT1 gene controlling aluminium tolerance in wheat (*Triticum aestivum* L). *Molecular Breeding* 18:171-183 (DOI 10.1007/s11032-006-9025-2).

**Raman, R.**, **Raman, H.** and **Martin, P.** (2006) Identification of EST based SNP and CAPS markers tightly linked with polyphenol oxidase locus in bread wheat (*Triticum aestivum* L). *Molecular Breeding* 10.1007/s11032-006-9064-8.

**Rogiers, S.Y.** Hatfield, J.M., **Orchard, B.**, Keller, M. and Greer, D.H. (2006). Solute transport into cv. Shiraz berries during development and late-ripening shrinkage. *American Journal of Enology and Viticulture* , 57, 73-80

**Rogiers, S.Y.**, Geer, D.H., and Dimos, N.F. (2006) Vascular transport into Shiraz berries. Proceedings of an Australian Society of Viticulture and Oenology seminar: 'Finishing the Job'- *Optimal ripening of Cabernet Sauvignon and Shiraz*. pp 26-29. (Eds: Oag et al.) July 21, 2006, Mildura, Victoria.

**Rogiers, S.Y.**, Greer, D.H. Hatfield, J.M., **Orchard, B.** and Keller, M. (2006) Mineral sinks within ripening grape berries. *Vitis* 45: 115-123.

**Sandral, G. A.**, **Dear, B. S.**, Virgona, J. M., Swan, A. D., **Orchard, B.** (2006). Changes in soil water content under annual- and perennial-based pasture systems in the wheat-belt of southern New South Wales. *Australian Journal of Agricultural Research* 57, 321-333.

Scott, B.J. and **Coombes, N.E.** (2006). Poor incorporation of lime limits grain yield response in wheat. *Australian Journal of Experimental Agriculture*. Accepted.

**Stodart, B.J.**, **Raman, H.**, **Coombes, N.** and Mackay, M. (2006). Evaluating landraces of bread wheat for tolerance to aluminium under low pH conditions. *Genetic Resources and Crop Evolution*. Accepted.

Tan, M.-K. and **Murray, G.M.** (2006) A molecular protocol using quenched FRET probes for

the quarantine surveillance of *Tilletia indica*, the causal agent of Karnal bunt of wheat. *Mycological Research* 110: 203–210.

**Wang, J., Raman, H.,** Read, B., Zhou, M., Mendham, N. and **Venkatanagappa, S.** (2006). Validation of an Alt locus for aluminium tolerance scored with eriochrome cyanine R staining method in barley cultivar Honen (*Hordeum vulgare* L.). *Australian Journal of Agricultural Research* 57,113-118.

Wenzel, P., Li, H, Carling, J., Zhou, M., **Raman, H.**, Paul, E., Hearnden, P., Maier, C., Xia, L., Caig, V., Ovesná, J., Cakir, M., Poulsen, D., **Wang, J, Raman, R.**, Smith, K.P., Muehlbauer, G.J., Chalmers, K.J., Kleinhofs, A., Huttner, E., and Kilian, A. (2006) A high-density consensus map of barley linking DArT markers to SSR, RFLP and STS loci and phenotypic traits. *BMC Genomics* (<http://www.biomedcentral.com/bmcgenomics>) 7:206.

## Theses

**Ayton, J.** (2006). The effect of harvest timing and irrigation on the quality of olive oil. M. Sc Thesis, University of Western Sydney, 137pp.

**Muir, C.E.** (2006). Grain yield in grazed winter wheat: development, components and assimilate supply. Honours dissertation, Charles Sturt University, Australia. (112 pp).

**Hume, I.H.** (2006) Using High Frequency Satellite Imagery to Estimate Forage Vegetation in a Semi-Arid Environment. PhD Thesis, The Australian National University. 250 pp

**McMullen, G.** (2006). The interaction of crop residue and fertiliser management on soil organic matter, soil physical properties and sustainability. PhD thesis (120 pp) University of New England, Armidale, Australia.

**Hind-Lanoiselet, T.L.** (2006) Forecasting Sclerotinia stem rot in Australia. PhD Thesis, Charles Sturt University, Wagga Wagga.

## Conferences & Workshops

**Allen H.M.** (2006) The Effects of Hardness on Milling Yield, Grain Morphology workshop, AACC San Francisco.

**Allen H.M.** (2006). "The Interpretation of Wheat Quality Data". RACI Cereal Chemistry Division Workshop held at WWAI.

**Allen, H.M.,** Blakeney A.B. Blanchard C., Dang J., **Pleming D.,** Gianibelli C., Martin M., and **Plum K.** (2006) Understanding and interpreting Instrumental Methods used for Wheat Quality. Wagga Wagga Agricultural Institute; RACI Cereal Chemistry Division. RACI 1/21 Vale Street Melbourne

**Allen, H.M., McKelvie, K., Diffy, S. and Martin, P.** (2006) Assessment Of Environmental Impacts on Milling Yield, Proceedings 55th RACI Australian Cereal Chemistry Conference, Ed. V. Solah and C. Blanchard.

**Allen, H.M., Taylor, B.L.** and Fryirs, C. (2006) Milling Waxy Wheat, Proceedings 55th RACI Australian Cereal Chemistry Conference, Ed V. Solah and C. Blanchard.

Anwar, M.R., O'Leary, G., Rodriguez, D., **Liu, D.L.** and Power, S. (2006). Accuracy of probabilistic spring rainfall and wheat yield predictions for South Eastern Australia.

Proceedings of Australian Meteorology and Oceanographic Society, AMOS 2006, Newcastle, NSW. 13th National Conference: Climate, Water and Sustainability; 6-8 February, 2006.

Blakeney, A.B. and **Allen, H.M.** (2006) High Speed Cinematography of the First Break in Flour Milling. Proceedings 55th RACI Australian Cereal Chemistry Conference, Ed. V. Solah and C. Blanchard.

**Brennan, J.P.** and **Martin, P.J.** (2006). Returns to investment in new breeding technologies. *Proceedings of the international workshop "Increasing Wheat Yield Potential in High Production Zones"*, Obregon, Mexico, 20-24 March 2006.

**Brennan, J.P.** and **Martin, P.J.** (2006). Developing cost functions for a wheat breeding program. *50th Annual conference of the Australian Agricultural and Resource Economics Society, Manly*, February 2006.

**Dear, B., Li, G., Hackney, B., and Hayes, R.** (2006) New perennial pasture plant options for farming systems in southern NSW. In: *Proceedings New South Wales GRDC Grains Research Update*, 21-22 February, Charles Sturt University, Wagga Wagga, pp 113-6.

**Dear, B.S.** (2006) Herbicide tolerance of seedling perennial grasses-options for improving establishment. , pp 47-49. (Eds. B. Hackney, K. Bailes, J. Piltz, H. Burns) In: Proceedings of the 21st Annual Conference of the Grasslands Society of NSW, Wagga Wagga, NSW, Australia (Grassland Society of NSW; Orange).

**Dear, B.S., Hackney, B., Hayes, R.** and Jessop, P. (2006) *Austrodanthonia caespitosa* shows potential as a new pasture grass for the low rainfall wheatbelt. In: "Ground-breaking stuff". (Eds. Turner N.C., Acuna T. and Johnson, R.C.) Proceedings of the 13th Australian Agronomy Conference, 10-14 September 2006, Perth, Western Australia. Australian Society of Agronomy. [http://www.regional.org.au/au/asa/2006/poster/environment/4503\\_dearb.htm](http://www.regional.org.au/au/asa/2006/poster/environment/4503_dearb.htm)

**Diffey, S.** (2006) A whole of genome approach to QTL identification. Australasian Genstat/StatGen Conference 5-8th December 2006, Whalers Inn Victor Harbour SA.

**Exton, S.** (2006) Ideal feeder steers. *Proceedings "Boosting Returns for Your Feeder Cattle"* Victoria DPI, NSW DPI, Cargill Beef and CAAB pp 14 - 21

**Exton, S., Rayner, A. and Davies, L.** (2006) BEEF-N-OMICS – A program to improve beef productivity and profitability. *Proceedings Beef Improvement Association of Australia National Conference* pp 52 - 56

**Hackney, B., Dear, B. and Hayes, R.** (2006) Summer dormant temperate grasses are productive and persistent in the medium - low rainfall cropping region of New South Wales. In: "Ground-breaking stuff". (Eds. Turner N.C., Acuna T. and Johnson, R.C.) Proceedings of 13th Australian Society of Agronomy Conference, 10-14th September, Perth. Australian Society of Agronomy. [http://www.regional.org.au/au/asa/2006/poster/systems/4498\\_hackneyb.htm](http://www.regional.org.au/au/asa/2006/poster/systems/4498_hackneyb.htm)

**Hackney, B., Dear, B., and Hayes, R.** (2006). Herbicide Options for broadleaf weed control in chicory. In: "Ground-breaking stuff". (Eds. Turner N.C., Acuna T. and Johnson, R.C.) *Proceedings of the 13th Australian Agronomy Conference*, 10-14 September 2006, Perth, Western Australia. Australian Society of Agronomy.

**Hackney, B., Dear, B.S., Dyce, G., Rodham, C.** (2006) Tolerance of seedling plantain to broadleaf weed herbicides, pp 117-118. (Eds. B. Hackney, K. Bailes, J. Piltz, H. Burns) In: *Proceedings of the 21st Annual Conference of the Grasslands Society of NSW, Wagga*

Wagga. NSW Australia (Grassland Society of NSW; Orange).

**Hayes, R., Dear, B., Li, G.,** Virgona, J., **Conyers, M., Hackney, B.** (2006) Summer dormancy increases persistence of perennial grasses in a wheatbelt environment. *In: "Ground-breaking stuff".* (Eds. Turner N.C., Acuna T. and Johnson, R.C.) *Proceedings of the 13th Australian Agronomy Conference*, 10-14 September 2006, Perth, Western Australia. Australian Society of Agronomy.

[http://www.regional.org.au/au/asa/2006/poster/environment/4517\\_hayesr.htm](http://www.regional.org.au/au/asa/2006/poster/environment/4517_hayesr.htm)

**Hayes, R.C., Dear, B.S. and Li, G.D.** (2006) Effect of lime on the persistence and production of two chicory cultivars on an acid soil. *In: 'Waging War on Weeds, Battle Plans and Winning Strategies'*. Wagga Wagga, NSW. (Eds. B. Hackney, K. Bailes, J. Piltz and H. Burns), Wagga Wagga, pp.123-4 (Grassland Society of NSW, Orange)

**Hayes, R.C., Dear, B.S., and Li, G.D.** (2006d) Selection of alternative 'lucerne' and native legumes for Australian farming systems. *In 'Waging War on Weeds, Battle Plans and Winning Strategies'*. Wagga Wagga, NSW. (Eds. B. Hackney, K. Bailes, J. Piltz and H. Burns) pp.119-120. (Grassland Society of NSW, Orange)

**Hayes, R.C., Dear, B.S., Li, G.D. and Lihou, C.** (2006) Production and persistence of a winter-active chicory cultivar in southern NSW. *In: "Ground-breaking stuff".* (Eds. Turner N.C., Acuna T. and Johnson, R.C.) *Proceedings of the 13th Australian Agronomy Conference*, 10-14 September 2006, Perth, Western Australia. Australian Society of Agronomy. [http://www.regional.org.au/au/asa/2006/poster/environment/4516\\_hayesr.htm](http://www.regional.org.au/au/asa/2006/poster/environment/4516_hayesr.htm)

**Hayes, R.C., Dear, B.S., Li, G.D.,** Virgona, J.M., **Conyers, M.K. and Hackney, B.F.** (2006e) Managing wireweed in spring-sown pastures. *In: 'Waging War on Weeds, Battle Plans and Winning Strategies'*. Wagga Wagga, NSW. (Eds. B. Hackney, K. Bailes, J. Piltz and H. Burns) pp. 121-122. (Grassland Society of NSW, Orange).

**Holloway, J.C.** (2006) IPM strategies to promote beneficial invertebrates in grain crops. *In: Australian and New Zealand Entomological Societies Conference*. 24-27 September 2006. Adelaide, SA. p.66

Irwin, J., **Wilkins, J.F.,** McKiernan, W.A. and Barwick, S.A. (2006). Relationships between carcass measures and estimates of meat quality traits in steers with diverse genotypes and having different pre-feedlot growth treatments. *Animal Production in Australia 26: Short Communication Number 19.*

**Kingham, L.,** Kearins, R. and Warr, G. (2006) Drought assistance and the Drought Support Worker initiative. *11th NSW Rural Mental Health Conference*, Orange, 29th November - 1st December 2006.

**Koetz E.A.** (2006) Seed set control of wild radish in field peas. *In: Proceedings of a Symposium: Wild Radish and other Cruciferous Weeds*. South Perth, 11-12 July 2006. (Ed. A.H. Cheam). Department of Agriculture and Food Western Australia.

**Li, G.D., Conyers, M.K., Lowrie, R.J., and Poile, G.J.** (2006b) Long-term lime effect on pasture and sheep performance: 2. Sheep responses. *In: 'Waging War on Weeds, Battle Plans and Winning Strategies'*. Wagga Wagga, NSW. (Eds. B. Hackney, K. Bailes, J. Piltz and H. Burns) p. 134. (Grassland Society of NSW, Orange).

**Li, G.D., Conyers, M.K., Lowrie, R.J., and Poile, G.J.** (2006a) Long-term lime effect on pasture and sheep performance: 1. Pasture botanical composition changes. *In: 'Waging War on Weeds, Battle Plans and Winning Strategies'*. Wagga Wagga, NSW. (Eds. B. Hackney, K.

Bailes, J. Piltz and H. Burns) pp. 132-133. (Grassland Society of NSW, Orange).

**Mailer R.J.** Variations in olive oil quality and compliance with international standards. *AAOCS Biennial conference*. Food Science, Werribee November 1-3.

**Mailer, R.J.** GSOG Olive workshop and seminar. Euroa, Victoria 18-19 February 2006

**Mailer, R.J.** Westfalia Technical Symposium. Rich Glen Olive Grove, Yarrawonga April 7-9th 2006.

**Mailer, R.J.** Advances in olive research, *Australian Olive Expo*, 26-28 October 2006.

**Mailer, R.J.** Improving quality of olives in Australia, *International Conference on Value Addition in Horticultural Products*, Islamabad, Pakistan. 26-28th June 2006.

**Mailer, R.J.** Launch of the World Congress on Oils and Fats, 2009, Chairman Organising Committee. *AOF Oilseed Forum*. 10-12 Oct 2006.

**Mailer, R.J.** New methods to detect adulteration. *6th Annual Olive Harvest Workshop*, Rylstone, 14-15th September 2006.

McKiernan, W.A., **Wilkins, J.F.**, Graham, J.F., Tudor, G.D., Deland, M.P.B., McIntyre, B.L., Walkley, J.R.W., Barwick, S.A. and Irwin, J. (2006). CRC 'Regional Combinations' Project – Regional beef systems to improve productivity and profitability. In: *Proceedings – "Australian Beef – the leader! – the impact of science on the beef industry."* Beef CRC Conference, Armidale, NSW, March, 2006. pp. 127-134.

McKiernan, W.A., **Wilkins, J.F.**, Irwin, J. and Barwick, S.A. (2006). Live body composition assessments as predictors of carcass retail beef yield. *Animal Production in Australia 26*: Short Communication Number 18.

**Milgate, A.W., O'Toole, N.A., Raman, H.** and May, C. (2006). Resistance to *Septoria tritici* blotch derived from synthetic hexaploid wheat. *Proceedings of 1st Synthetic Wheat Symposium*, Horsham, Victoria, 4-6 September 2006.

**Muir, C.E.**, Virgona, J.M. and Angus, J.F. (2006). Grazing effects on the retranslocation of assimilates during grain filling of wheat. In: 'Proceedings of the 13th Australian Agronomy Conference', Perth.

Nichols, P.G.H., Loi, A., Ewing, M.A., Revell, C.K., Howieson, J., Barbetti, M.J., Nutt, B.J., Snowball, R., You, M.P., Carr, S.J., Foster, K., Skinner, P., McClements, D., Gajda, K., Wintle, B., Kidd, D., Craig, A.D., Nair, R., Howie, J., Hughes, S., Auricht, G., de Koning, C.M., **Dear, B.S., Sandral, G.A., Hackney, B., Crocker, G.**, Evans, P.M., Lloyd, D.L. and Hall, E. (2006). Annual pasture legume improvement in southern Australia – 15 years of change. In: "Ground-breaking stuff". (Eds Turner N.C., Acuna T. and Johnson, R.C.) Proceedings of the 13th Australian Agronomy Conference, 10-14 September 2006, Perth, Western Australia. (Australian Society of Agronomy).

Nielsen, S., **Orchard, B.** and Spohr, L. (2006) A Magical Mystery Tour: Demystifying basic statistical concepts, experimental design and analysis. Poster presentation Genstat/StatGen Conference 5-8th December 2006, Whalers Inn Victor Harbour SA.

**Orchard, B.** (2006) Teaching statistics to research scientists – the issues. Genstat/StatGen Conference 5-8th December 2006, Whalers Inn Victor Harbour SA.

**Orchard, B.**, Nielsen, S., Spohr, L., A complete statistical learning package with a biological research flavour. Poster presentation Australian Statistical Conference/ New Zealand Statistical Association Conference: Statistical Connections, 3-6 July 2006, Auckland, New Zealand.

**Orchard, B.**, Spohr, L., Nielsen, S. (2006) Enough Rope – a meaningful statistics course for scientists in today's work environment. Australian Statistical Conference/ New Zealand Statistical Association Conference: Statistical Connections, 3-6 July 2006, Auckland, New Zealand.

**Pleming, D.K.**, Dang J., **Allen, H.M.** and **Plum, K.** (2006) Use of High Speed to Accurately Rank Cultivars for Dough Mixing Parameters. Proceedings 55th RACI Australian Cereal Chemistry Conference, Ed. V Solah and C Blanchard.

Price, D., Anwar, M., **Liu, D.L.**, Souness, C. and O'Leary, G. (2006). Integrating seasonal climate forecasts into farm management decisions: the case of Gymbowen farmers in north western Victoria. APEN International Conference; 6-8, March 2006, Beecham, Victoria, Australia.

**Rogiers, S.Y.**, **Hutton, R.** Greer, D.H. Somers, T. and Hutchinson, P. Xylem sap flow through Semillon grape vines grown under heat and water stress. Proceedings of the 6th international workshop on measuring xylem sap flow and its application to plant science. 27-30 November, 2006, Perth, WA.

Schwingamer, M.W., Schilg, M.A., Thomas, J.E., Parry, J.N., Dann, E.K., Bambach, R.W., McCorkell, B.E., Holland, J.F. and **Hind-Lanoiselet, T.** (2006) *Turnip mosaic virus in cool season field crops in northern New South Wales*. In '7th Australasian Plant Virology Workshop'. 8-11 November, 2006, Rottnest Island, Perth, Western Australia p. 51.

Singh, R.P., **Brennan, J.P.** and Lacy, J. (2006). An economic evaluation of the Ricecheck extension program in NSW. *50th Annual conference of the Australian Agricultural and Resource Economics Society*, Manly, February 2006.

Tanaja, S.E., Blanchard, C.L., Batten, G.D., **Allen, H.M.**, Blakeney, A.B. and Cracknell, R.L. (2006) Causes of "Double-Grain" images in the Cervitec Image Analysis System. Proceedings 55th RACI Australian Cereal Chemistry Conference, Ed. V. Solah and C. Blanchard.

**Wilkins, J.F.** (2006). Constraints to Reproductive Efficiency in Southern-Australian Beef Herds. *Proceedings of the Australian Cattle Veterinarians 2006* – Hobart and Port Macquarie Conferences (November 2006) pp. 153-162.

**Wilkins, J.F.**, Fry, R.C., Hearnshaw, H., Café, L.M. and Greenwood, P.L. (2006). Ovarian activity in heifers at 30 months of age following high or low growth in utero and from birth to weaning. *Animal Production in Australia 26*: Short Communication Number 17.

### **Extension, Advisory & Education**

**Allen H.M.**, **Pleming D.K.** and **Plum K** (2006) Wheat Quality and Assessment, EH Graham sponsored NSW Agricultural Teachers Association Conference, CSU Wagga Wagga.

**Beer, A.** (2006) A community approach: managing woody weeds in the Cape Catchment Factsheet 47/2006/fs, [www.weedscrc.org.au](http://www.weedscrc.org.au).

**Beer, A.** (2006) Managing weed risk: prioritising weed control in National Parks in Central

Australian Factsheet 56/2006/fs, [www.weedscrc.org.au](http://www.weedscrc.org.au).

**Beer, A.** (2006) A community approach: managing weeds on a catchment scale – Sixth Creek Catchment Factsheet 48/2006/fs, [www.weedscrc.org.au](http://www.weedscrc.org.au).

**Beer, A.** (2006) Weed management: help sheet for using the blackberry CD-ROM. Factsheet 46/2006/fs, [www.weedscrc.org.au](http://www.weedscrc.org.au).

**Beer, A., Verbeek, B.** (2006) Blackberry identification workshops, Benalla and Wodonga November 2006.

Border, N., **Bowman, A., Burns, H.**, Fleming, M., Haskins, B., Lattimore, M., McIntosh, G., **McMullen, G.**, McRae, M., Motley, K., Schipp, A., Scott, B., Thompson, R. and Whitworth, R. (2006). Dryland cropping guidelines for south western New South Wales – A product of the Western Wheat Project. Edited H. Burns. NSW Department of Primary Industries, 182 pp.  
Brennan, J., and Li, G. D. (2006). MASTER - Economic analysis (Primefact 38, NSW DPI). <http://www.dpi.nsw.gov.au/aboutus/resources/factsheets/primefacts/MASTER-economic-analysis>

**Conyers, M. K.**, and **Li, G. D.** (2006). MASTER - Soil acidity and lime responses (Primefact 32, NSW DPI). <http://www.dpi.nsw.gov.au/aboutus/resources/factsheets/primefacts/MASTER-soil-acidity-lime>

**Dear, B., Li G., Hackney B. and Hayes, R.** (2006). New perennial pasture plant options for farming systems in southern NSW. Proceedings New South Wales GRDC Grains Research Update, 21-2 February, Charles Sturt University, Wagga Wagga, pp 113-116.

**Dear, B.S.** (2006) New perennials to reduce recharge in the wheat belt. Broadacre Cropping Technical Update, NSW Department of Primary Industries, Orange, NSW.

**Dear, B.S.** (2006) Perennial pastures in farming systems. Salinity Basics Training, Hawkesbury-Nepean/Southern Rivers CMA training. Goulburn NSW, 27-28 September.

**Dear, B.S.** (2006) Potential of perennial pastures for reducing recharge in mixed cropping zone. Salinity Basics Training, Murrumbidgee Catchment Management Authority and Wagga Wagga City Council. 16-17 August, Agricultural Institute, Wagga Wagga.

**Dear, B.S.** (2006) Role of perennials in preventing recharge. Salinity Glove Box Training, Murray Catchment Management Authority Staff. 19-29th July 2006 Albury.

**Dear, B.S., Li, G.D., Hackney, B. and Hayes, R.** (2006b) New perennial pasture plant options for farming systems in southern NSW. In 'Grain Research Update 2006'. Adelaide pp. 113-116. (Jon Lamb Communications).

**Exton, S,** Rayner, A. and Robson, S. (editors) (2006) BEEF-N-OMICS Technical Manual, NSW Department of Primary Industries.

**Li, G. D.**, and **Conyers, M. K.** (2006). MASTER - Crop responses to lime (Primefact 33, NSW DPI). <http://www.dpi.nsw.gov.au/aboutus/resources/factsheets/primefacts/MASTER-crop-responses-lime>

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