

Major Publications

2007-2008

Publications may be directly related to CRC for Forestry research, or the research was carried out by CRC for Forestry related staff

- Alcorn, P.J., Pyttel, P., Bauhus J., Smith, G.B., Thomas, D.S. James, R., Adrienne Nicotra, A. (2007). Effects of initial planting density on branch development in 4-year-old plantation grown *Eucalyptus pilularis* and *Eucalyptus cloeziana* trees. *Forest Ecology and Management* **252**: 41-51.
- Alcorn, P.J., Bauhus J., Thomas, D.S. James, R.N., Smith, G.B. and Nicotra, A. (2008) Photosynthetic response to green crown pruning in young plantation-grown *Eucalyptus pilularis* and *E. cloeziana*. *Forest Ecology and Management* **255**: 3827-3838.
- Alcorn, P.J., Bauhus J., Smith, G.B. Thomas, D.S. James, R.N., and Nicotra, A. (2008) Growth response following green crown pruning in plantation-grown *Eucalyptus pilularis* and *E. cloeziana*. *Canadian Journal of Forest Research* **38**:770-781.
- Baker, S.C., Barmuta, L.A., McQuillan, P.B. and Richardson, A.M.M. (2007). Estimating edge effects on ground-dwelling beetles at clearfelled non-riparian stand edges in Tasmanian wet eucalypt forest. *Forest Ecology and Management* **239**: 92-101.
- Barbour RC, Crawford AC, Henson M, Lee D, Potts BM and Shepherd M (2008) The risk of pollen-mediated gene flow from exotic *Corymbia* plantations into native *Corymbia* populations in Australia. *Forest Ecology and Management* **256**, 1-19.
- Barbour RC, Otahal Y, Vaillancourt RE and Potts BM (2008) Pollen-mediated gene flow from exotic *Eucalyptus globulus* plantations in Australia. *Biological Conservation* **141**, 896-907.
- Borrvalho, NMG, Almeida MH and Potts BM. (2007) Chapter 3: O melhoramento do eucalipto. 50 pages In: Alves AM, Pereira JS, Silva JMN (eds). *Eucalipto em Portugal: Impactes Ambientais e Investigação Científica*. pp. 61-110. ISAPress, Lisboa.
- Bossinger, G., Tibbits, J.F.G., McManus, L.J. and A.V. Spokevicius (2007). Molecular tree domestication and the xylogenesis candidate gene cascade. pp. 69-84, In: *The Compromised Wood Workshop 2007* (Entwistle, K., Harris, P. and Walker, J. eds), The Wood Technology Research Centre, University of Canterbury, New Zealand.
- Bundock, PC, Potts, BM, Vaillancourt, RE (2008). Detection and stability of quantitative trait loci in *Eucalyptus globulus*. *Tree Genetics and Genomes* **4**, 85-95.
- Cannon, T. and Innes, T. (2008). Markets for the wood products from non-durable hardwood sawlog plantations. Pp 110-125 in *Plantation Eucalypts for High-Value Timber: Enhancing investment through research and development*. A.G. Brown and C.L. Beadle (Eds). RIRDC Publication No 08/113 Rural Industries Research and Development Corporation, Canberra.
- Chuter AE, Jordan GJ, Dalton PJ, Wapstra M (in press) Spore germination and early gametophyte development of the soft tree fern *Dicksonia antarctica*. *Tasforests* **17**.
- Close DC, Davidson NJ, Shields C and Wiltshire J (2007) Reflectance and phenolics of green and glaucous leaves of *Eucalyptus urnigera*. *Australian Journal of Botany* **55**: 561-567.

- Close DC, Davidson NJ, Watson T (in press) Health of remnant woodlands in fragments exposed to distinct grazing histories. *Biological Conservation*.
- Collett, N.G. and Elms, S. (in press). The control of Sirex wood wasp using biological control agents in Victoria, Australia. *Agricultural and Forest Entomology*.
- Davidson NJ, Close DC, Battaglia M, Churchill K, Ottenschlager M, Watson T, Bruce J (2007) Eucalypt health and agricultural land management within bushland remnants in the Midlands of Tasmania, Australia. *Biological Conservation* 139: 439-446. (2.84).
- Downes G.M., Catela F. and Meder R. (2007) Developing and evaluating a Global NIR Calibration for the prediction of Kraft Pulp Yield in Eucalypts. IUFRO Group 2.08.03 "Improvement and Culture of Eucalypts", Keynote speaker, Durban, South Africa 22-26 October 2007.
- Forrester D.I. and Baker T.G. (2007). Growth response to thinning in a productive *Eucalyptus globulus* plantation in Victoria, Australia. Pp. 30-37 in Jiang Xiaomei, Ye Kelin, Lu Jianxiong, Yin Yafang and Zhao Youke (eds), Plantation Eucalyptus: Challenge in Product Development, Proceedings of the International Conference on Plantation Eucalyptus, 28 November - 1 December 2005, Zhanjiang, Guangdong, China. Science Press. Beijing.
- Freeman J, O'Reilly-Wapstra JM, Vaillancourt RE, Wiggins N, Potts BM (2008) QTL for key defensive chemicals affecting herbivory of eucalypts in Australia. *New Phytologist* 178, 846-851.
- Freeman J, Vaillancourt RE, Potts BM (2008) Few Mendelian genes underlie the quantitative response of a forest tree, *Eucalyptus globulus*, to a natural fungal epidemic. *Genetics* 178: 563-571.*
- Freeman JS, Marques CP, Carocha V, Borralho NMG, Potts BM, Vaillancourt RE (2007) Origins and diversity of the Portuguese Landrace of *Eucalyptus globulus*. *Annals of Forest Science* 64, 639-647.
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