

## Dr Jane Elek

### Publications (in chronological order)

- Elek, J. A. and Adamkewicz, S. L. (1990). Polymorphism for shell color in the Atlantic bay scallop, *Argopecten irradians irradians* (Lamarck) (Mollusca: Bivalvia) on Martha's Vineyard island. *American Malacological Bulletin* 7 (2), 117-126.
- Nicholas, W. L., Elek, J. A., Stewart, A. C. and Marples, T. G. (1991). The nematode fauna of a temperate Australian mangrove mudflat: its population density, diversity and distribution. *Hydrobiologia* 209, 13-27.
- Elek, J. A. (1994). The response of *Rhyzopertha dominica* and *Sitophilus oryzae* to chitin synthesis inhibitors in stored grain. PhD thesis, 167 pages.
- Elek, J. A. (1994) Methods for collecting eggs, assaying egg hatch and monitoring immature development of *Rhyzopertha dominica* (F.) (Coleoptera: Bostrichidae) at two temperatures. *Journal of Stored Product Research* 30 (4), 261-265.
- Elek, J. A. and Longstaff, B. C. (1994). The effect of chitin synthesis inhibitors on stored product beetles. *Pesticide Science* 40 (3), 225-230.
- Elek, J. A. (1997). Assessing the impact of leaf beetles in eucalypt plantations and exploring options for their management. *Tasforests*, 9, 139-154.
- Elek, J. A. (1998). Treatment of adult Coleoptera with a chitin synthesis inhibitor affects mortality and development time of their progeny. *Entomologia experimentalis et applicata* 88, 31-39.
- Ramsden, N. and Elek, J. (1998). Life cycle and development rates of the leaf beetle *Chrysophtharta agricola* (Coleoptera: Chrysomelidae) on *Eucalyptus nitens* at two temperature regimes. *Australian Journal of Entomology*, 37(3), 238-242.
- Elek, J. A. (1999). Treatment of both the adult and immature Coleoptera with a chitin synthesis inhibitor affects mortality and development time of their progeny. *Entomologia experimentalis et applicata* 89, 125-136.
- Beveridge, N. and Elek, J. (1999). *Bacillus thuringiensis* var. *tenebrionis* shows no toxicity to the predator, *Chauliognathus lugubris* (F.) (Coleoptera: Cantharidae). *Australian Journal of Entomology* 38(1), 34-39.
- Elek, J. A. and Beveridge, N. (1999) Effect of a *Bacillus thuringiensis* subsp. *tenebrionis* insecticidal spray on the mortality, feeding and development rates of larval Tasmanian eucalyptus leaf beetles (Coleoptera: Chrysomelidae). *The Journal of Economic Entomology* 92(5), 1062-1071.
- Beveridge, N and Elek, J.A. (2001). Insect and host tree species influence the effectiveness of a *Bacillus thuringiensis* subsp. *tenebrionis* based insecticide for controlling chrysomelid leaf beetles. *Australian Journal of Entomology*, 40 (4), 386-390.
- Baker, S. C., Elek, J. A. and Candy, S. G. (2002) A comparison of feeding efficiency, development time and survival of Tasmanian *Eucalyptus* leaf beetle larvae, (*Chrysophtharta bimaculata* (Olivier) (Coleoptera: Chrysomelidae) on two hosts. *Australian Journal of Entomology* 41, 174-181.
- Baker, S. C., Elek, J. A., Bashford, R., Patterson, S. C., Madden, J. and Battaglia, M. (2003) Innundative release of coccinellid beetles into eucalypt plantations for biological control of leaf beetles. *Agricultural and Forest Entomology* 5, 97-106.

Elek, J., Steinbauer, M. J., Beveridge, N. & Ebner, P. (2003) The efficacy of high and low volume spray applications of Mimic (tebufenozide) for managing autumn gum moth larvae *Mnesampela privata* (Lepidoptera: Geometridae) in eucalypt plantations. *Agricultural and Forest Entomology*, 5, 325-332.

### Conference Contributions

- Elek, J. A. and Longstaff, B. C. (1993). Efficacy of chitin-synthesis inhibitors on stored product beetles: Poster for the *Australian Entomological Society Conference and 24th AGM*, Cairns, 3-8 July 1993.
- Elek, J. A. (1994). Biological effects of chitin synthesis inhibitors on stored product pests. Oral presentation and abstract for *Australian Entomological Society 25th Scientific Conference and AGM*, Adelaide, 25-28 September 1994.
- Elek, J. A. (1994). Effect of the chitin-synthesis inhibitor, chlorfluazuron, on immature development of *Rhyzopertha dominica* (F.) (Coleoptera: Bostrichidae). Proceedings of the 6th International Working Conference on Stored-product Protection, Canberra, 17-23 April 1994, volume 2, pp 773-776. Eds. E. Highley, E. J. Wright, H. J. Banks and B. R. Champ.
- Elek, J., Greener, A. and Ramsden, N. (1995). Effect of leaf beetle populations on eucalypt plantations. Poster and abstract for *The A. J. Nicholson Centenary Meeting, 'The Frontiers of Population Ecology'*, Canberra, 18-22 April 1995.
- Elek, J., Bashford, R. and Ramsden, N. (1995). Aerial applications of *Bacillus thuringiensis* for controlling leaf beetles in eucalyptus plantations. Oral presentation and abstract for the Bt Symposium of the *Australian Society for Microbiology, Scientific Meeting and Exhibition*, Canberra, 24-29 September 1995. Abstract P31.2 in *Australian Microbiology* 16 (4).
- Elek, J., Beveridge, N., and Ramsden, N. (1998). To Bt or not to Bt: Is a *Bacillus thuringiensis*-based insecticide suitable for IPM to control leaf beetles in eucalypt plantations? *Sixth Australasian Applied Entomology Conference, September 1998.*, Brisbane, Australia, 322-335.
- Elek, J. A. (1998). Assessing the impact of insect defoliation on plantation eucalypts. *Proceedings of the International forest insect workshop*, Pucon, IX region, Chile, 332-346.
- Elek, J. A., Beveridge, N. Candy, S. Bashford, R. and Elliott, H. (1999) Using trap trees in an IPM monitoring system for chrysomelid leaf beetles in eucalypt plantations. Program and Abstracts, *Australian Entomological Society 30<sup>th</sup> AGM and Scientific Conference*, Paper abstract, p11.
- Candy, S. G., Bashford, R., Elek, J. A. and Beveridge, N (2000). Integrated pest management of a leaf beetles in eucalypt plantations in Tasmania, Australia. *XXI International Congress of Entomology*, Foz do Iguassu, Brazil, Abstracts Book I, Poster abstract 2639, p 667.
- Elek, J. A. and Beveridge, N (2000). The Role of *Bacillus thuringiensis* in forest pest management: its current status and future prospects. *XXI International Congress of Entomology*, Foz do Iguassu, Brazil. Abstracts Book II, Paper abstract 1840, p 464.
- Elek, J.A., Beveridge, N and Ramsden, N. (2001) *Bacillus thuringiensis* spray formulations have potential for environmentally friendly management of insect pests in eucalypt plantations. Conference abstract for 4th Pacific Rim Conference on the Biotechnology of *Bacillus thuringiensis* and its environmental impact, Canberra, Australia, 11-15 November 2001.
- Allen, G. R. Elek, J. A. and Matsuki, M. (2004) Managing leaf beetles in eucalypt plantations: non-target impacts, biocontrol and natural enemy recolonisation. Poster for International Congress of Entomology, Brisbane, August 2004.

Elek, J. A., Allen, G. R. and Matsuki, M. (2004) Success<sup>®</sup> is an alternative to Dominex<sup>®</sup> for managing leaf beetles in eucalypt plantations. Poster for International Congress of Entomology, Brisbane, August 2004.

Elek, J. A. and Govender, P. (2004) Implications of certification on insect pest management in Australian and South African sustainable forestry. Paper for International Congress of Entomology, Brisbane, August 2004.