

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 30th 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[®] is an alternative to Dominex[®] 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.