

**Robb; The following is the Pest Mgt section for the 2005/06 FGC annual report. Something of similar length and detail is needed for last fiscal (2006/07). Could you please prepare a draft....thanks. Jack**

### 3.8 Seed Orchard Pest Management Subprogram

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The seed and cone pest management subprogram coordinates research, extension of information, and operational controls  
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The Seed Orchard Pest Management Subprogram supports research, extension activities, and pest management operations to increase orchard yields of high quality seed. The Pest Management Technical Advisory Committee (PM-TAC) guides investments and activities.

The FGC recognizes the need for a three-level approach to pest management, including basic and applied research by dedicated research staff, applied support from highly qualified pest management specialists, and operational delivery by orchard operations. [Full implementation of this approach occurred during the period of this report.](#)

Contract research was [organized via proposals vetted by the Pest Management Research Scientist in consultation with PM-TAC.](#) Research projects undertaken during 2006/07 fiscal year resulted in the following accomplishments.

Project	Species primarily impacted	Progress
Conifer seed bug ( <i>Leptoglossus occidentalis</i> ): damage control methods	Pli, Fdi, Fdc, Pw	<a href="#">A dramatic breakthrough was the discovery of a very strong attraction of <i>Leptoglossus</i> seed bugs to infra-red light.</a>
Fir coneworm ( <i>Dioryctia abietivorella</i> ): Identification of an effective sex pheromone lure and the demonstration of its efficacy in seed orchards (two projects)	Fdi, Fdc, Sx	<a href="#">Pheromone characterization completed. Refinements to production methodology underway. Pheromone-based monitoring in progress to determine flight period on coast and in interior.</a>
<a href="#">Adelgids: species composition, biology, &amp; density/damage relationships</a>	<a href="#">Sx, Fdi, Fdc, Lw, Pw</a>	<a href="#">Initial species composition and population parameters analysis completed</a>
Tests of systemic insecticides for cone and seed insect control	All species	<a href="#">The second year of pesticide trials at coastal and interior sites produced inconclusive results. Based on this, the trials have been restructured to look at new formulations.</a>
Reducing seed borne Fusarium infections in orchard seed to lower seedling mortality; determining infection mechanisms	All species	<a href="#">This work has now been completed and a summary report encapsulating results of several related projects has been drafted for publication.</a>

Seed and  
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- Robb Bennett 5/23/07 3:33 PM  
**Deleted:** The plan put forward by the PMTAC in 2005, and subsequently approved by the FGC, began implementation during the period of this report. As a result, positions within the Ministry of Forests and Range were filled for a
- Robb Bennett 5/23/07 3:35 PM  
**Deleted:** Pest Management Research Scientist and an Interior Orchard Pest Management Biologist
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**Deleted:** With the filling of these positions, pest management activities will accelerate.
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**Deleted:** also supported through a call for proposals
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- Robb Bennett 5/23/07 3:37 PM  
**Deleted:** Population levels of *Leptoglossus* seed bug were insufficient to allow this project to proceed.
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**Deleted:** Pheromone lure optimized, and phenology data collected
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- Robb Bennett 5/23/07 3:41 PM  
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**Deleted:** Seed processing, data collection, and analysis mostly completed
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**Deleted:** Cone sampling and analysis, and studies of infested seedlots completed