

**Forest Genetics Council of British Columbia
Pest Management Subprogram**

2008/09 Budget Table (revised 16 April 2008)

BACKGROUND:

- Proposals & budgets development led by Ward Strong (Nov 2007 – Feb 2008) in consultation with PM TAC and guided by TAC business plan priorities. Table 1 outlines proposals list and evolution of project budgets.
- Project proposals and budgets initiated, developed, and reviewed by Pest Management Technical Advisory Committee at meetings 31 Oct & 29 Nov 2007 and 9 Jan 2008 (Table 1, “9 Jan 2008”). Proposals and budgets finalised at PM TAC meeting, 12 February 2008 (Table 1, “12 Feb 2008”). Formal budget request subsequently drafted and revised for submission to FGC on 12 March (see Recommendation and Table 1 below).

PROPOSAL SUMMARIES:

- **1&2.** Research tech support and lab operations funds day-to-day operations (materials, supplies, relevant travel, and ~0.25 FTE auxiliary technical support) of the pest management research lab at the Kalmalka Forestry Centre
- **3.** *Dioryctria* biology/ecology study capitalizes on our long-term efforts towards understanding the complex life cycle and biology of these very important pest insects. In 2008/09, the second year of our collaboration with the new University of Alberta insect chemical ecology group, work will focus on overwintering behaviour, lifespan data, and various aspects of mating behaviour.
- **4.** *Leptoglossus* infrared and visible light proposal builds on exciting novel findings in 2007/8 by SFU Chemical Ecology lab that *Leptoglossus* use infrared wavelengths to detect cones. The second year of this proposal will concentrate on optimizing IR and visible light frequencies for *Leptoglossus* attraction and configuring trap designs.
- **5.** *Leptoglossus* mark/release/recapture study builds upon several years of in-house study and the current results of the *Leptoglossus* host finding study. First year for this collaborative study involving UNBC and UBC-Okanagan
- **6.** Adelgid biology and impact addresses the important issue of spruce / alternate conifer host cycling of adelgids in seed orchards. Preliminary work by UBC Forestry in 2006/07 utilizing existing data led to the implementation of a focused, well-structured study in 2007/08. This is the second and final year for this work.
- **7.** Interior pest management is a lateral project transfer (including funding & administration duties) from OTIP. PM TAC has agreed to take over this on-going operational project from OTIP.
- **8.** The pesticides trials proposal is a continuation of an on-going project addressing high priority research initially funded in 2005/06. 2007/08 work focused on stem-injection techniques with new systemics; 2008/09 proposal continues this work.
- **9.** Field guide work was initiated with incremental funding late in 2006/07 field season. 2008/09 work is focused on collecting further images and production of individual insect fact sheets.

RECOMMENDATION:

- The PM TAC recommends a funding level of approximately \$260,000 for 2008/09 Pest Management Subprogram activities, exclusive of salary costs (Table 1, “12 Feb 2008”).

Table 1. Financial summary of 2008/09 Pest Management Subprogram budget including initial, requested, and actual (final) budget figures and program salary costs.

	9/i/08	12/ii/08	16/iv/08
Proposals & budget figures		(request)	(actual)
1 Research tech support	25,000	13,000	12,804
2 Research lab operations	20,000	15,000	14,458
3 <i>Dioryctria</i> biology & ecology (UoA)	52,775	41,000	40,740
4 <i>Leptoglossus</i> m/r/r (UNBC & UBC-O)	53,175	54,000	54,088
5 <i>Leptoglossus</i> IR & visible light (SFU)	33,440	34,000	33,653
6 Adelgid biology & impact (UBC)	34,448	34,000	33,800
SUBTOTAL - Research	218,838	191,000	189,543
7 Interior pest management program	29,400	25,000	24,457
8 Pesticide trials	17,430	15,000	15,000
9 Field Guide development	28,000	28,000	28,000
SUBTOTAL – Other projects	74,830	68,000	67,457
TOTAL (proposals)	293,668	259,000	257,000
Strong & Bennett salary costs (approx)	170,000	170,000	163,000
TOTAL budget (incl. salary costs)	463,668	429,000	420,000

Robb Bennett, 16 April 2008

Chair, Pest Management Technical Advisory Committee