

**Title**

DEVELOP AN EFFICIENT PROTOCOL FOR MASS PRODUCTION OF BALSAM FIR SAWFLY VIRUS

**Date**

2002

**Keywords**

Balsam Fir Sawfly NPV, Virus Production, Larval Susceptibility, Optimum Inoculation Dosage.

**Objective**

To successfully produce balsam fir sawfly nuclear polyhedrosis virus in the laboratory and determine the most effective rate of application.

**Description**

Four Larval stages were bioassayed with two different virus concentrations to determine larval stage and virus concentrations' effects of virus yield. It was found that  $10^5$  OBs/ml better concentration for maximizing virus yield than  $10^7$  OBs/ml.

**Reports and Products**

**Develop an efficient protocol for mass production of balsam fir sawfly virus.** Li, Shiyou and Skinner, Andrea. Natural Resources Canada, Canadian Forest Service, Atlantic Forestry Centre, Corner Brook Division. WNMF: 0-307-001 38pp.