SX 85606Q

MERIA LARICIA VUILL. (LARCH NEEDLECAST)
CONTROL TRIAL ON DOUGLAS FIR IN KOKSILAH
SEED ORCHARDS AT DUNCAN, B.C.

Working Plan
1985

D. Summers
Sx 85606Q

Meria Laricis Vuill. (Larch NeedlecCast) Control Trial

On Douglas Fir in Koksilah Seed Orchards at
Duncan, B.C.

Working Plan
D. Summers

Objective:

To test 2 fungicides and two spray regimes against Meria laricis on douglas-fir.

Fungicides:

Benlate 50 WP (benomyl) at 100 g/100 l on 10 trees (6 with heavy and 4 with medium infections). Manzate 200 (mancozeb) or Dithane M-22 (maneb) at 150g/100 l on 10 trees (7 with heavy and 3 with medium infections).

Methods:

(1) Sprays

- Fungicides will be applied to run off at the rates noted above.

- Trees in blocks 9, 6 and 12 will not be sprayed and will serve as checks.

- Because of the distribution of infection, the trees are grouped for treatment according to the attached map.

- Operational pesticide application records will be kept according to Pesticide Control Branch regulations.

(ii) Timing

- All 20 treatment trees will be sprayed 7 - 10 day intervals and this will be continued until warm, dry weather ensues (perhaps mid June or early July).

- Five trees from each group of 10 will continue receiving sprays around rainy periods until August/September.
(iii) Assessments

- All trees have been rated as having medium or heavy infections and this will be repeated in 1985.

- Eight cardinal points on each tree will be sampled by removing 1 or 2 twigs of 1983 growth and tallying infected and uninfected needles. This will be repeated in 1985 for 1984 growth.

- A similar sample will be taken on selected trees having a rating in 1984 of light or no infection.

(iv) Analyses - Contingent tables and/or analysis of variance will be used to test for the effects of the sprays after assessments are made in 1985.

Responsibility:

The Pest Management Officer, Seed Production will be responsible for the overall design, set-up and assessment of the trial. The Seed Orchard Technician at Koksilah will ensure sprays are applied as required.