Cursory screening trials to control liverworts

1) Objective

To screen two fungicides and two herbicides to determine their potential for controlling liverworts without harming conifer stock. All pesticides showing potential will be tested further in 1988.

2) Location

Liverworts are primarily a problem in container stock at coastal nurseries. Applications will be made if and when populations occur at Surrey, Green Timbers, Koksilah or Campbell River Ministry of Forests nurseries.

3) Trial Stock

Any stock that sustains populations of liverworts could be used in the trial.

4) Plot Design

Each pesticide will be applied to a minimum of 4 styroblocks, each styroblock will be one replicated plot. Adjoining styroblocks will be used as controls. At no time will the trial area be larger than 100 m².

5) Dates of Spray and Assessment

a) Spray

Sprays will be applied when liverworts appear. An attempt will be made to treat both immature and mature plants. Once liverworts are large and well established they are more difficult to control.

b) Assessment

Liverwort control and possible seedling phytotoxicity will be rated using the Meyers 10 rating system which is used widely in herbicide trials.

6) Summarize and Report

Report will be completed winter 87/88.

7) Report Distribution

Distribution will be limited. Results will be used to choose pesticides for future trial work.