Working Plan

Operational trial to reduce damage caused by the Lygus bug at Red Rock Nursery.

1. Objective

To apply 3 insecticides (Cymbush, Orthene and Thiodan) to protect the 1986 1+0 pine crop against Lygus damage. Cymbush and orthene provided the best damage reduction during a screening trial in 1985, Thiodan has recently been recommended for control of Lygus on strawberries.

2. Location

All 7 panels of bare-root 1+0 pine will be used in the trial.

3. Trial Stock

11.48 ha of 1+0 bare-root lodgepole pine.

4. Plot Design

Each panel at Red Rock nursery contains 5 sprinkler sections, these will be the trial blocks. One of the insecticides will be applied to one sprinkler section each for a total of 3 treated sections, the other 2 will be left as untreated controls. All 7 panels of pine will be treated in the same manner.

5. Dates of Spray and Assessment

a) Spray - Foliar applications using a tractor pulled boom sprayer. One application the first week of June, July and August.

b) Assessment - At the end of the growing season the number of damaged and undamaged seedlings will be counted in random 1 metre plots and % control determined.

6. Summarize and Report

Report will be completed winter 1986/87. Data will be used to apply for minor use registration.

7. Report Distribution

Nursery Bare-root Culturist
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