SX 84221V

IMPLICATION OF NO PRESTORAGE PESTICIDE APPLICATION IN LONG TERM STORAGE OF CONTAINER STOCK

Working Plan
1985

J. Sweeten
TITLE: Implications of no prestorage pesticide application in long
   term storage of Container stock.

OFFICE I/C: Sweeten, J. Nursery Admin. Officer – South Zone.

LOCATION: Pelton Reforestation Ltd. and Surrey Nursery

REGION/DISTRICT: Lower Mainland Nurseries, Prince George, Cariboo
   Vancouver.

OBJECTIVE: To assess if Botrytis ssp or other storage moulds develop
   in above freezing storage for 5 months with container stock that
   is visibly clean at time of harvest and has had no prestorage
   fungicide application of captan – benlate.

WORKING PLAN: Pelton Rn. applied no pesticide during the growing season.
   Surrey applied only diazinon 50 E.C. for aphid control to one
   greenhouse during the growing season.

   Three seedlots were chosen to monitor for storage mould
   development.  1. S/L S 4004 – Surrey Nursery – Cariboo Region.
       12 k seedlings were packed without pesticide
       application.
   2. S/L S 4104 – Pelton Rn. – Pr. George Region.
       17.8 k seedlings packed with no pesticide
       application.
       13.8 seedlings packed with no pesticide
       application.

   In all cases non treated stock was given a unique
   identity. The remainder of each of the seedlots was treated with
   Captan 50 w.p. 3.5 gm/l and benomyl 50 w.p. at 1.1 gm/l and will
   be used as control.

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   SILVICULTURE BR.
   VICTORIA, B.C.
Stock will remain unfrozen until shipped from producing facilities. At time of shipment from primary storage a 50 tree sample of 25 treated and 25 control will be taken for bioassay by the C.F.S.

Each Region has been requested to follow up each untreated portion for mould development and ship further samples for bioassay and RGC monitoring if mould is prevalent.

PROGRESS: Stock lifted and in storage.

REPORT DISTRIBUTION: Silviculture Br. - D. Armit

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