Working Plan for SX9110IV - Gromax Transplant Fertilizer Trial

1. Objectives

To determine if Gromax Transplant Fertilizer can improve survival and growth of Douglas-fir and Western White Pine on a very dry-nutrient poor Coastal B.C. site.

2. Location

Whiskey Creek, B.C., Arrowsmith T.S.A., Nanaimo S.B., Port Alberni Forest District.

3. Site

<table>
<thead>
<tr>
<th>BGC Zone</th>
<th>Subzone</th>
<th>Eco-association</th>
<th>Hygrotope</th>
<th>Trophotope</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDF</td>
<td>b</td>
<td>3</td>
<td>2-3</td>
<td>B-C</td>
</tr>
</tbody>
</table>

Note: High levels of Phellinus weirii were noted on this area and so necessitated post harvest treatments for control. Some areas were mechanically stumped and planted with Douglas-fir whereas others were planted with white pine on dry sites and red cedar on moist sites.

4. Stock to be Planted

<table>
<thead>
<tr>
<th>Species</th>
<th>Age</th>
<th>Type</th>
<th>Seedlot</th>
<th>Nursery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fdc</td>
<td>2-0</td>
<td>BBR</td>
<td>1292</td>
<td>CRN</td>
</tr>
<tr>
<td>Pw</td>
<td>2-0</td>
<td>BBR</td>
<td>9792</td>
<td>CRN</td>
</tr>
</tbody>
</table>

5. Fertilizer

Gromax Transplant Fertilizer #4

N \[ \frac{17}{3} \] \[ \frac{P}{3} \] \[ \frac{K}{5} \]

Only one teabag per planting hole will be used for this trial. A total of 3,000 Gromax bags will be installed.

6. Method

A control will be established adjacent to each of the trial areas to compare stock planted with fertilizer versus stock planted without fertilizer. Survival staked lines of 480 trees per line will be established for each species for both the treated and control areas. A total of 4 lines (480 trees) will be established. Data will be collected on the F.S. 844 form.

\[ \frac{1}{2} \]

\# If unsure check "6. Method on amendment."
7. Dates of Treatments and Assessments

Plant: March, 1991
Assessment: Fall '91, Fall '92, Fall '93, and Fall '94 with a 5 year final in Fall '95.

8. Summarize and Report

Summarize data from second assessment and issue interim report Winter '92/'93. Summarize 5 year data and issue final report Winter '95/'96.

9. Report Distribution

Stand Tending Forester - Vancouver Region
R.O. Silviculture - Port Alberni District
District Manager - Port Alberni District
Surveys and Development Studies - Silviculture Branch-Victoria
Library - Silviculture Branch - Victoria
MEMORANDUM

TO: RALPH WINTER
SURVEYS & DEVELOPMENT STUDIES
SILVICULTURE BRANCH

FROM: JOHN DUNLOP
R.A. - FORESTRY
PORT ALBERNI DISTRICT

SUBJECT: AMENDMENT TO Sx91101V WORKING PLAN
DATE: MAY 9/91
FILE: 255-10 Sx91101V

ATTACHED, PLEASE FIND AMENDMENT TO WORKING PLAN FOR Sx91101V (DUE TO DISCUSSIONS WITH L. SIGURDSON - VANCOUVER). ALSO MAP WAS AMENDED DUE TO CHANGES IN PLANTING CONTRACT ADMINISTRATION AND NOW SHOWS LOCATION OF SURVIVAL STAKED LINES WHICH WERE ESTABLISHED MAY 2-3, 1991.

REPLY: [Signature]

CC. MEL SCOTT - VANCOUVER REGION
HAL REVELY " ""
6. Method

A control will be established adjacent to each of the trial areas to compare stock planted with fertilizer versus stock planted without fertilizer. Survival staked lines of 120 trees per line will be established for each species for both the treated and control areas. A total of four lines (480 trees) will be established. Data will be collected on the F.S. 844 form.
WORKING PLAN - SX91101V

GROMAX TRANSPLANT

FERTILIZER TRIAL

A - 1  Treated Pw
A - 2  Pw Control
B - 1  Treated Fdc
B - 2  Fdc Control