SX 87503 Q

Working Plan
Hand Mounding Site Preparation Trial

MAG Fire

Bob Johnson
Jim Maxwell
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1. **Objective**

To determine the field performance of interior spruce seedlings planted in four different mound microsites in the ESSF biogeoclimatic zone of the Kamloops Forest Region. An analysis of variance will be performed on the variables of interest to determine any significant differences between the treatments.

2. **Location**

TSA 22, Region 33, Block 4, Ross Creek, Salmon Arm Forest District, Kamloops Region.

3. **Trial Stock**

<table>
<thead>
<tr>
<th>Species</th>
<th>Stock Type</th>
<th>Nursery</th>
<th>Seedlot</th>
<th>Seed Zone</th>
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<tbody>
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<td>Se</td>
<td>1+0 PSB 313</td>
<td>Hybrid</td>
<td>4032</td>
<td>3040</td>
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</tbody>
</table>

4. **Plot Design**

The trial consists of three types of mound treatments and a control treatment, each containing 50 trees. Each treatment is replicated three times with each replication containing sixteen or seventeen seedlings depending on uniformity of spacing. All treatments are tagged, flagged and colour coded as follows:

- Blue          2. Mineral on Inverted Organic
- Red           3. Scalped Patch
- Orange        4. Untreated
- Yellow        6. Mineral on Mineral

The treatments are laid out in the following order:

2, 2, 6, 3, 3, 4, 4, 3, 2, 6, 6, & 4.
5. Schedule of Assessments

<table>
<thead>
<tr>
<th>Measurements</th>
<th>Estab/Plt</th>
<th>Fall 88</th>
<th>Spr 89</th>
<th>Fall 89</th>
<th>Fall 90</th>
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</thead>
<tbody>
<tr>
<td>Height</td>
<td>SUM/87-SPR 88</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Caliper</td>
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<tr>
<td>Increment</td>
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<tr>
<td>Survival</td>
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<td>Progress Report</td>
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<tr>
<td>Snow/Frost Damage</td>
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</tbody>
</table>

6. Site Prescription

Opening Number: 82M005-23
Tenure: VCL
Licensee: BCFS
BGC: ESSf m/l
Moisture Regime: 4
Nutrient Regime: C
Soil Texture: SL
Veg. Competition: M
LFH: 3 - 5 cm
Slash % Cover & Ht:  
Disturbance: WF67
Site Prep: M
Aspect & Slope %: S/4%
Timber Type: Se, Bl
Elevation: 1650
Site Class: M
APPENDIX 3. Location from St. Ives

0.0 km  End of pavement, St. Ives
4.4    3-way junction, keep left
7.4    keep right
11.8   keep right
14.7   keep right
17.1   keep right
19.7   keep left
20.6   keep right
21.3   keep right
22.2   keep right
22.6   site on left