TRIAL SUMMARY FORMAT

SX 907010

TITLE Efficacy and Crop Tree Tolerance of Accord and Vision.

OFFICER I/C Mel Scott

LOCATION Vancouver Forest Region

REGION/DISTRICT

OBJECTIVE Compare efficacy and crop tree tolerance of Vision and Accord when using the same amount of active ingredient

PROGRESS Applications conducted 6, Sept., 1990
Pre-treatment measurements August, 1990
Application rate: 1.54 kg/ha, glyphosate

NEXT SCHEDULED ASSESSMENT/TREATMENT August/1992

REPORT DISTRIBUTION
July 30, 1990

B.C. Forest Service
Silviculture Branch
31 Nation Square
Victoria, B.C.
V8W 3B7

Attention: Jacob Otchere-Boateng; Vegetation Management Specialist

Re: Accord Trial, Pt. Alice area.

Dear Jacob:

The following documents the procedures, timing, and costs for our intended installation of monitoring plots at the X950 Accord trial. Please let me know as soon as possible if changes are required, as we intend to begin work soon.

CROP SPECIES MONITORING.

Circular plots (3.95 meter radius) will be located at approximately 10 meter intervals, along parallel lines located roughly in the center of each block. The point of commencement of each line will be indicated by a metal tag noting line number and bearing. Lines will extend no more than 70% of the width of the block, beginning at the road. Lines will be approximately 10 meters apart. Plots will be marked by a stake of at least 1.5 meters height with its upper portion well marked with fluorescent paint and numbered with a plastic disc.

Plots will be centered at a crop tree. These trees will be experiencing average levels of vegetation competition, they will not be selected for maximum or minimum exposure. The plot stake will be positioned immediately adjacent to this tree. In order of significance for this trial, crop species are: Hw, Ss, Ss, and Cw. At least 20 plots will be installed in each trial block. More plots may be established to insure that at least 20 Hw, 5 Ss, and 5 Ss of greater than 75 cm height are measured in the plots for each block. As well, 5 large Hw advance regen and up to 5 Cw (if they can be readily found) will be numbered and individually assessed in each block. Within each plot the number of stems of each conifer species will be tallied, the range in their heights and their average height estimated. Stems of greater than 75 cm height will be mapped by species. One of each of the crop species within the plot, usually the center tree, will be measured. Measured trees in addition to the center tree will be indicated on the plot map. Diameter will be measured with calipers at 50 cm height. The point of diameter measurement will be marked with a paint spot. Height will be measured from the point of germination to the highest point of the tree, i.e., Hw will be measured to the point where the leader bends towards the ground.
MONITORING OF COMPETING VEGETATION

Vegetation species of primary interest are Rubus spectabilis, Sambucus racemosa, Epilobium angustifolium, Athyrium filix-femina, Vaccinium spp. and Alnus rubra. Within each crop tree centered plot, the area covered by each of these species will be sketched and estimated as a percentage of the total surface area of the plot and the average height and range in height for each species will be recorded.

Individual Alnus rubra, including some immediately adjacent the low side (East) of the road, will be numbered and mapped as required to achieve inclusion of 10 individuals per block.

REPORTING

Maps showing line, plot and individual numbered Sw, Cw, and Dr stem locations.

Plot cards, one per plot, with:

1. a small plot map showing the location of crop trees by species, measured crop trees, and vegetation area coverage by species and
2. documented height ranges and averages for crop trees and competing vegetation, area coverage by species of competing vegetation, and measured crop tree heights and diameters at 50 cm.

TIME FRAME

This work will be done before the end of August, 1990. No later than one week after the spray.

COST

N & R Forest Management Ltd. will do this task at their rate of $260 per 8 hour manday plus extra expenses for supplies, travel and accommodation on the North Island. We guarantee job completion for a maximum of $4570.00.

Please call soon

Norman Caldicott

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