PARAMOUNT GROWTH - RESEARCH

RESEARCH PROJECT

Forestry

PRODUCT FOR RESEARCH

Seedlings

DATE

August 17, 2005

PURPOSE

To compare seedling development $\frac{1}{2}$ with Paramount material, and $\frac{1}{2}$ with existing fertilizers

ANTICIPATED RESULTS

Obvious increase in growth & vigor in seedlings treated with Paramount

material compared to those with commercial fertilizer

SUPPLIER

Western Forest Products of Seedlings

RESEARCH SITE

Timber West Seedling Orchard Nursery

PRODUCTS/SUPPLIES

Douglas Fir seedlings – age 21 weeksWestern Red Cedar seedlings – age 21 weeks

Paramount Growth Material

Miracle Gro 20/20/20 Chemical N.P.K.

Planting Medium for pots

METHOD

- In 7" pots with 6" diameter, a mix of peat moss, compost and wood chips common to all 24 seedlings (the medium).
- Seedlings transplanted into the medium so root top was well covered.
- Paramount Growth Material added to ½ the seedlings for control purposes at rate of 8½ oz. (252gms) mixed into medium ½ way down and near the top of the pot.
- Balance of seedlings (12) to be fertilized when moved to nursery with standard feeding of Miracle Gro 20/20/20 by staff once a week.
- All seedlings watered at time of transplant. The Paramount treated plants with Paramount energized water as part of control comparison.
- All seedlings will be watered by automatic method set up in the nursery.

NOTES

The Paramount material and water is a one time application versus once a week for the 20/20/20 on the other half of seedlings.