



Tree Improvement Alberta (TIA) and West Fraser – Hinton Wood Products

September 13 and 14, 2018

Location: Hinton and Edson

Field Tour Agenda

DAY 1: History of tree improvement on the Hinton FMA from a silviculture, site characterization and regenerated performance context.

Meeting location: 8:00am, The West Fraser Guild – Home of the PATH, 821 Switzer Dr, Hinton

- Welcome
- ~1 hr orientation and discussion related to:
 - Site characterization on the Hinton FMA (DR)
 - Inherent site productivity by Ecosite and by NSR (JM)
 - Management intent scenarios (JM)
 - Regenerated Height, volume expectations by site type and treatment regime (SM)
 - What is site index (SI) and why use it to measure stand performance (SM)
 - History & how can operational trials guide your expectations and monitor results (DR)
 - TIP overview on the Hinton and Edson FMA's (RM)
 - Load bus

Stops:

1. A Road km 9 Lower Arboretum exotic species and sources planted 1968-1973(JM,SM,DR,RM)
2. Upper Arboretum Dx road
 - a. Block plantings of exotic sources and species mixes (JM,SM,DR,RM)
 - b. G800a Region A Provenance/ Progeny test site (SJ/DR)
3. Maria Creek B2 G329
 - a. Progeny test site Q road (SJ/DR/RM)
 - b. Region A Breeding demo 1998 (RM/DR)
4. Spruce Stock Type and site prep Trial (DR)

Dinner Location: Hinton Centre, 965 Switzer Drive, Hinton, 6:00pm

Dinner Speaker: Richard Briand – History of the Hinton FMA

Cost: \$38 per person. Cash bar.



DAY 2: Orchards as a delivery mechanism for Tree Improvement yield.

Meeting location: 8:00am, The West Fraser Guild – Home of the PATH, 821 Switzer Dr, Hinton

Presentations:

- How is gain from tree improvement included in AB Forest Level Planning (Shane Sadoway)
- Deployment Strategies (DR)
- Verifying Gains – Update on Realized Gains Trial Project (TBD)

Travel to Presslee orchard (45 min, followed by numerous presentations / posters / demos and discussions at the orchard. (Depending on weather conditions presentations may occur in the office or cone shed)

- Presslee orchard overview and History (DR)
- Conelet Abortion Alberta overview (AB)
- Clonal sensitivity to GA (RM)
- Orchard development: Pollen contamination in early years
- Time and practical aspects of progeny testing for advancing gains
- Climate change (drought tolerance Region A)
- Results of genotyping Region A for Pj hybridization
- Soil compaction hypothesis and 2018 project
- Demo: Wood testing
- Topping effect on cone production (NS)

Lunch

Wrap up at 1:30pm