

DEER BROWSE RESISTANT WESTERN REDCEDAR WORKSHOP

Wednesday, June 2, 2010
Cowichan Lake Research Station (map attached)

Accommodation available at Cowichan Lake Research Station. http://www.for.gov.bc.ca/hre/for/gen/cclrs_cc.htm

Field tests of deer browse-resistant seedlots have produced encouraging results. Trees have been selected that are “not-preferred” (putatively resistant) by blacktail deer based primarily on needle monoterpene content, which is highly heritable in western redcedar. However, deploying only “resistant” material may alter deer behaviour if there is no alternative food source available. Preliminary deployment trials involving mixtures of needle monoterpene levels through genetic selection and stocktype have been encouraging. The next step is to test this material in larger-scale operational settings to determine optimal mixtures of preferred and not-preferred seedlings across different site types and silvicultural treatments. To achieve this goal a co-operative approach is necessary involving growers, field foresters and researchers.

Agenda:

- 0800 **Breeding for browse resistant populations**
John Russell, RB, MFR
Issues surrounding deployment of mammal resistant planting stock
Bruce Kimball, USDA/MONELL Sensing Lab, Philadelphia, PA
Opportunity to phone in for these presentations. (call info TBA)
- 1030 **Tour of deer resistance research at CLRS**
- 1200 Lunch at the historic cookhouse
- 1300 **Deployment research with browse resistant *Eucalyptus***
Julianne Wapstra-O'Reilly & Brad Potts, U. of Tasmania, AU (presented by J Russell)
Deployment research with browse resistant western redcedar
John Russell and Bruce Kimball
Discussion on developing a co-operative to support operational deployment trials.
(Opportunity to phone in for presentation and participate in the discussion. TBA)
- 1530 Depart for tour of deer preferred and not-preferred seedlings at Holt Creek field site.
- 1700 Conclusion

There is no charge. Please register at:
<http://www.fs.fed.us/pnw/olympia/silv/CedarSymposium.html> or contact:
John Russell, John.Russell@gov.bc.ca, 250.749.6811 ext. 26 or
Diane Douglas, Diane.L.Douglas@gov.bc.ca, 250.356.6721



From Victoria (south):

1. Head NORTH on Douglas St/ Trans Canada Hwy #1. Go north 65 km
2. Just north of Duncan past the weigh scales on the left/west, turn LEFT/WEST onto Hwy #18/Cowichan Valley Hwy, continue LEFT through the Town of Lake Cowichan to the Village of Mesachie Lake 30 km
3. Turn RIGHT onto Forestry Rd, continue through the gates at the Cowichan Lake Research Station and continue to the end of the road to the Conference Centre (2.5 km)

From Nanaimo (north):

1. Head SOUTH on Trans Canada Hwy #1 45 km to the junction with Hwy 18. Steps 2-3 are the same.

