NWREC, Agroforestry & Christmas Tree Research

Chal Landgren
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New front and flowering dogwood entry row
Minor crop pesticide testing
Runoff pad

.................. Table grapes
Small Farms and Composting class
Strawberries and blueberries
Berries, bees and the zoo
Tissue culture to winter gardens
Wheat and rental ground

Grevillea & Manzanita
Compaction & weather station
Boughs etc...
Turkish and Nordmann fir grafting
Grafted trees must pass a “keepability” hurdle.

- Each tree from 5 sites has been tested at WSU
- There are differences between trees, sites and families
- The top trees for both value and low needle loss are being grafted, now…
Investigating some new species

- Trying to find out as much as we can about their performance via progeny tests
- Temp, leaf wetness
CoFirGE- Turkish, Trojan + others

- Joint project between PNW, PA, NE, NC, MI and Denmark.
- Collection in Turkey Fall 2010.
Bolu Province
Abies bornmuelleriana Seed Source Trees
Every tree was a research project
It’s always time for tea and fungus
After 1\textsuperscript{st} growing season - 2011

- 100 + families
- Planted in 6 regions- DK, PA., PNW, NC, New England, MI.
- Each site has 2 plots- 3,000 trees ea.
After the 2nd season
Getting the plots together
Planting and mapping
Self-Help books available

http://www.serfcertified.org/about.html
The 1st Trail Inspection

Field Inspections
Leader length controls
Foliar fertilization

- The short version - 5 field test sites and one potted trial
- Not an effective way to fertilize conifers
- Can work for micro elements such as B
- Investigated greenseeker (NDVI) and chlorophyll tests
Questions?