



NWREC, Agroforestry & Christmas Tree Research

Chal Landgren

OSU Extension Christmas Tree Specialist

SW Fairway

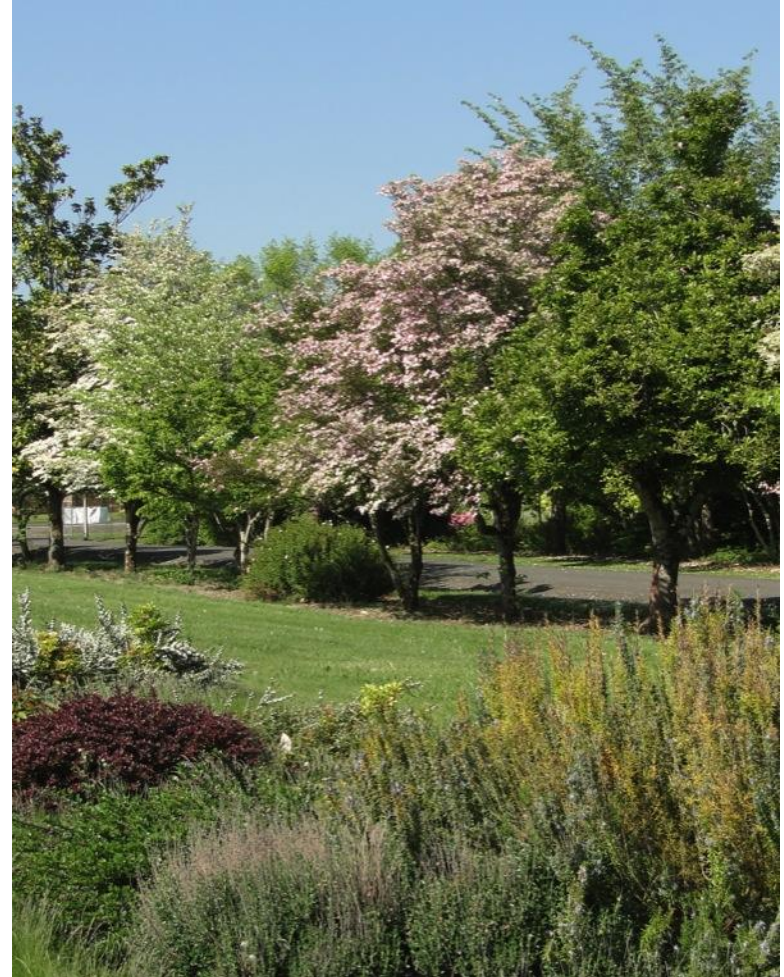
NE Miley Rd

E Lawview Cir

NWREC



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



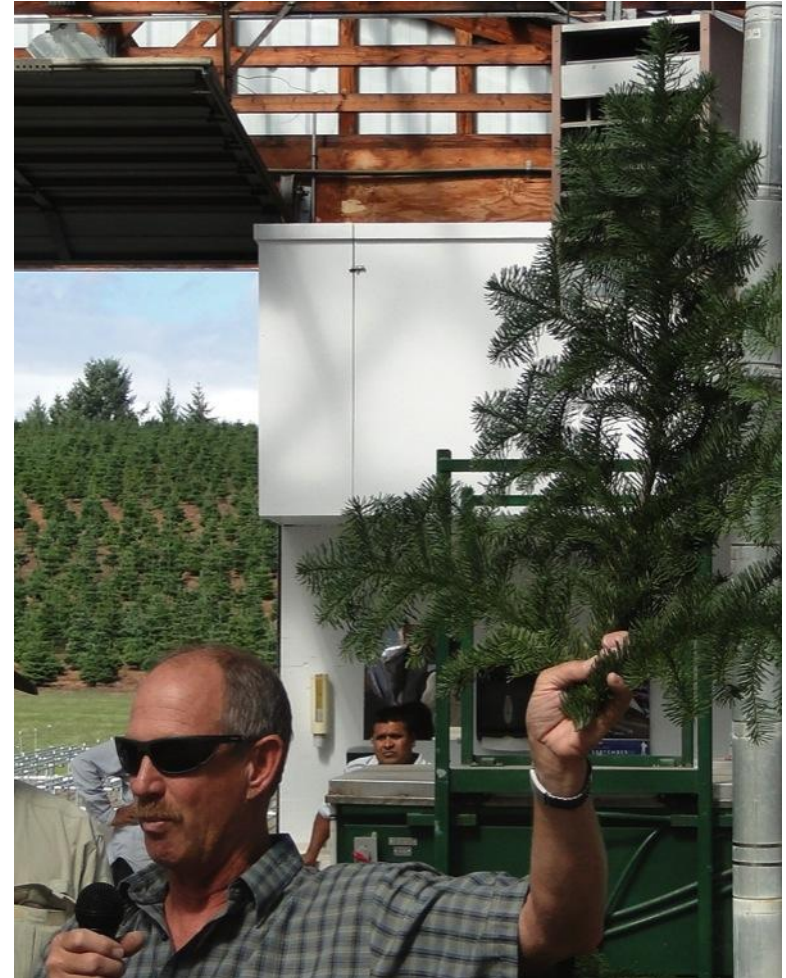
Wheat and rental groundGrevillea & Manzanita



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

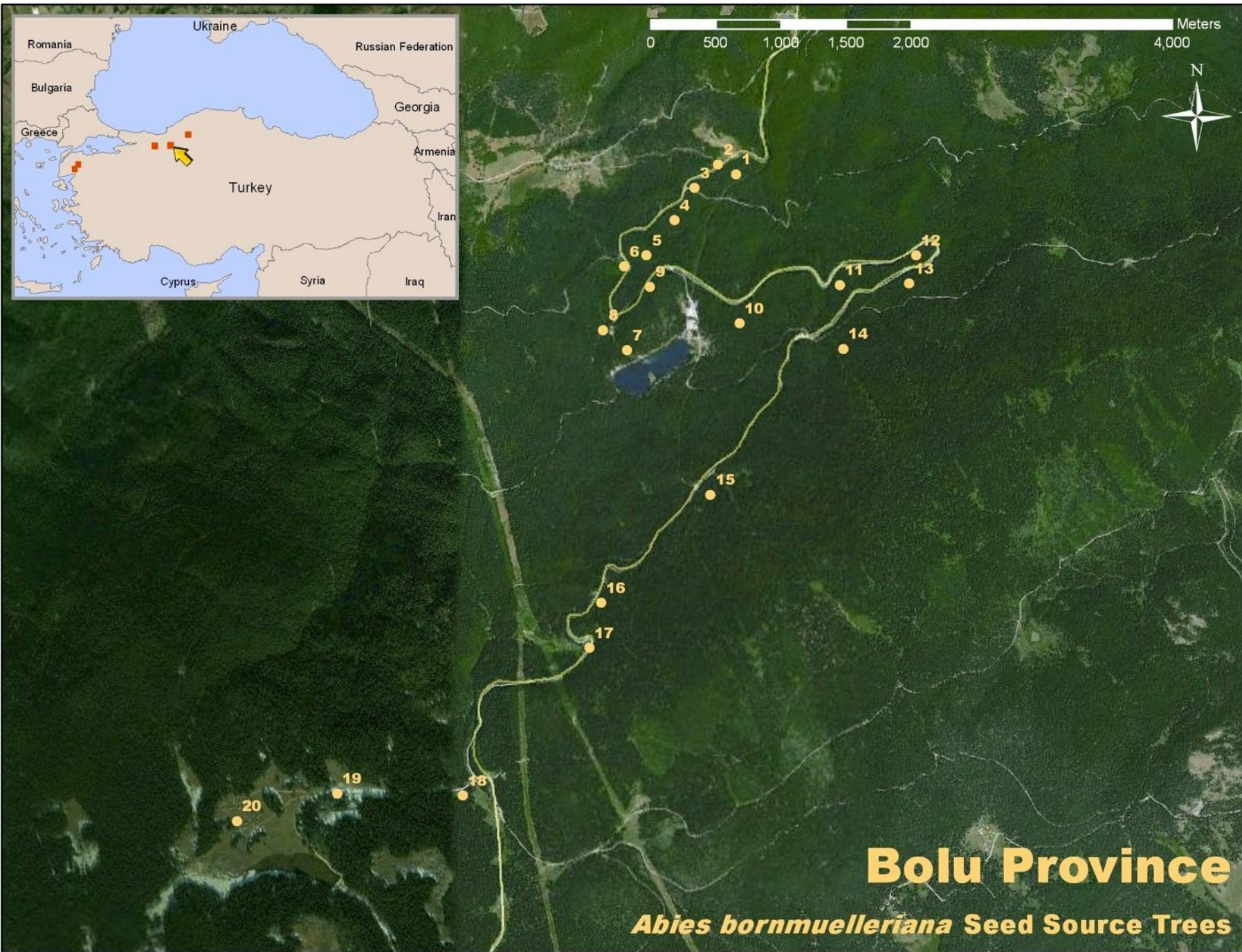


- Joint project between PNW, PA, NE, NC, MI and Denmark.
- Collection in Turkey Fall 2010.



Northwest Turkey

Seed Collection Areas



Bolu Province

Abies bornmuelleriana Seed Source Trees



Every tree was a research project

It's always time for tea and fungus





After 1st 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



*The Northwest's
Sustainable Christmas Tree
Production Program*



<http://www.serfcertified.org/about.html>

Self-Help books available

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?

