



# Pacific Madrone Common Garden Trial

## Plot Locations

- WSU Puyallup (Valley and hill sites) - WA
- Starker Forest – OR
- BLM Sprague Seed Orchard – OR
- CAL-FIRE Ben Lomond - CA

## 2012 Assessment Key

1. **ID Tag** [0 = missing or 1 = ID OK (default)]. Note the family name if the name on the tag does not match the name in the data file.

2. **Plant Condition** (1 - 5)

- 1 = Alive (default)
- 2 = Shoot dieback evident, but still alive



- 3 = Wilted



- 4 = Dead
- 5 = Missing

**3. Plant height (cm)**

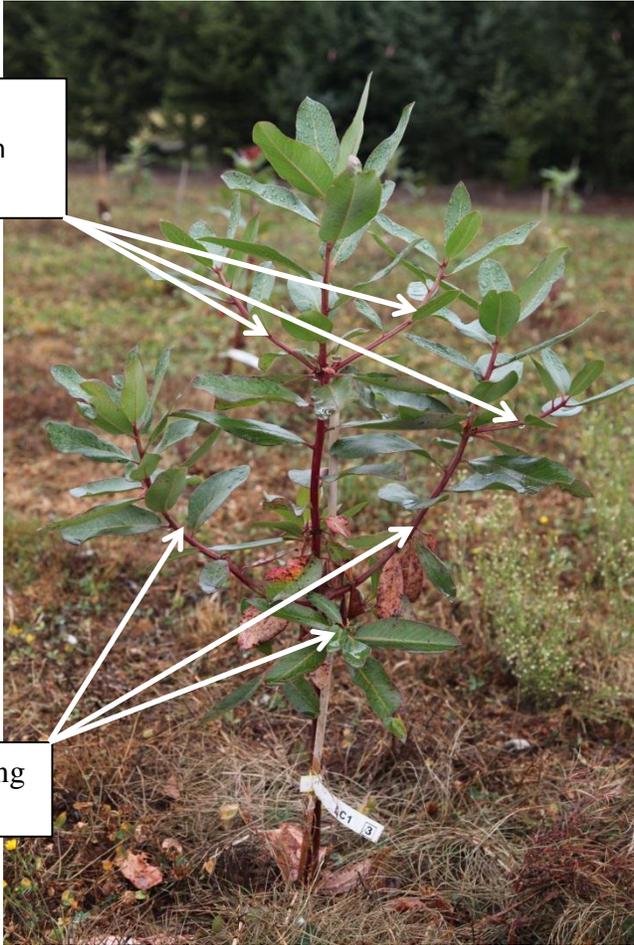
Total height of seedling

**4. No. of leaders** (1 is default)

**5. No. of branches** Data will be collected on the number of branches that originated from **2011** buds. In some cases there will be branches that originated from the flushing of buds on the **2012** new shoots. This will be noted in a separate column.

Branches originating from the flushing of buds that developed on early 2012 growth.

Branches originating from 2011 buds



6. **Active new growth evident on terminals**  
[0 = none (default) or 1 = present]



7. **Presence of basal sprouts** [0 = none (default) or 1 = present]. Sprouts are upright shoots, not just leaves.



8. **Color of mature foliage** [1 = green (default) or 2 = reddish-green]



**9. Vigor rating** (1 to 5 scale, 5 = most vigorous)

- 1 = partially dead top with lower live sprouts



- 2 = Limited 2012 growth [ $< 5$  cm (2")]



- 3 = Moderate 2012 growth [5-15 cm (2 to 6")]



- 4 = Good 2012 growth [15-45 cm (6 to 18'')] with some branches



- 5 = Excellent 2012 growth [ $>45$  cm (18'')] with multiple well developed branches



**10. Leaf spot/foliage blight** (we will rate the severity and incidence. These scores are then multiplied together resulting in an overall rating score that ranges from 0 to 100, with 100 being highly susceptible.)

Severity - rate the severity of symptoms on the most severely impacted current season leaf

- 0 = none
- 1 = slight (<25% of leaf area affected)



- 5 = moderate (25 to 50% of leaf area affected)



- 25 = severe (>50% of leaf area affected)



Incidence of leaves on the whole tree with that severity rating is then rated on a scale of 1 to 4

- 1 = <25 of leaves with severity rating
- 2 = 25-50% of leaves
- 3 = 51-75% of leaves
- 4 = >75% of leaves

**11. Comments** (add additional numbers/comments as needed)

- 1 = Leaf rust present



- 2 = Chewing insect damage evident



- 3 = Variegated foliage present



- 4 = Browse damage evident



- 5 = Burrowing varmint (mole, gopher, badger, etc.) activity around tree.
- 6 = other