Considerations around Plant Materials, Seed Sources, and Seedling Stock Types

Moderators:

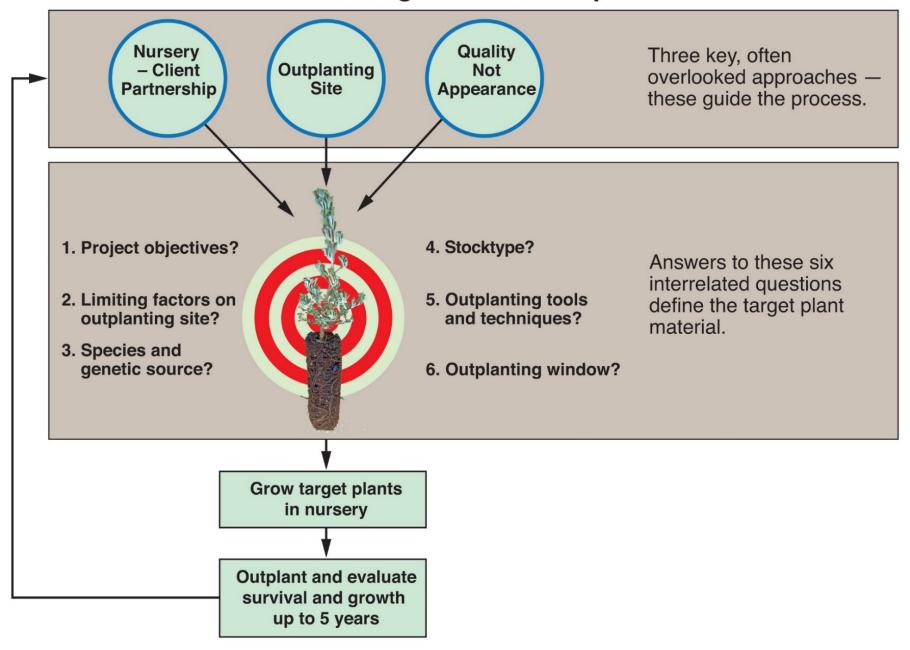
Diane Haase Western Nursery Specialist USDA Forest Service Portland, OR Jessica Wright
Research Geneticist
USDA Forest Service
Davis, CA

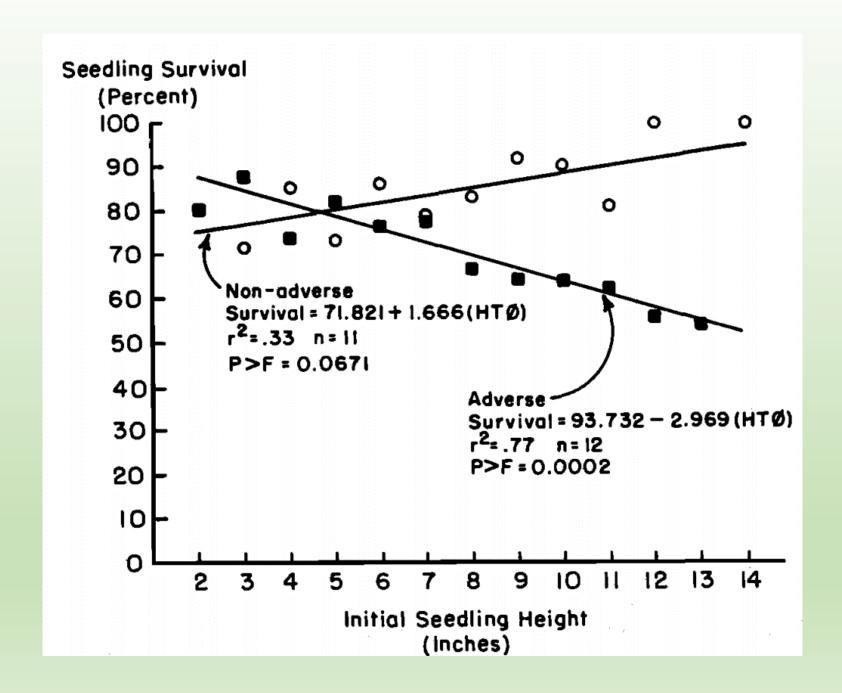


Discussion Topics

- Identify stock types that are best regarded as suitable for weather- and climate-related stress
- Evaluate current approaches intended to best match seedling capabilities and adaptabilities to future growth environments
- Consider the current and future utility of seed zones and breeding zones, as well as feasible alternatives

The Target Plant Concept







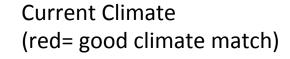
Stocktype mismatched to shallow soil conditions



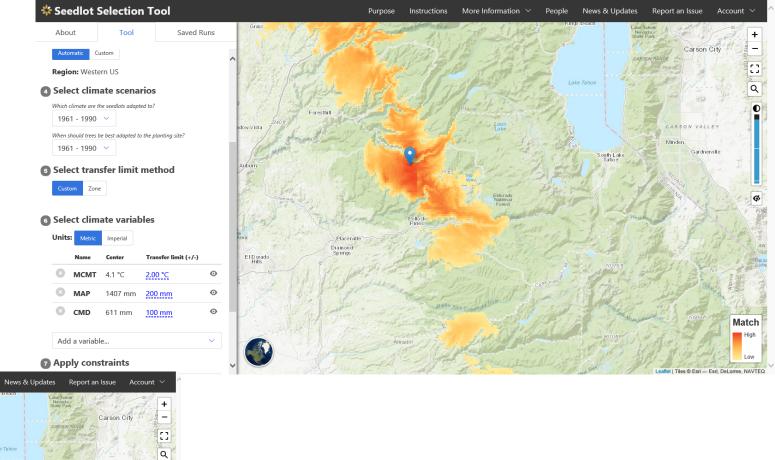
There is no "one size fits all" for seedling quality or stocktype selection

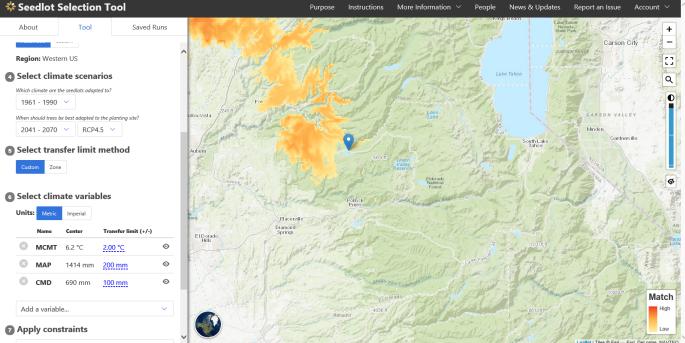
Target characteristics and subsequent seedling performance are determined by the outplanting site







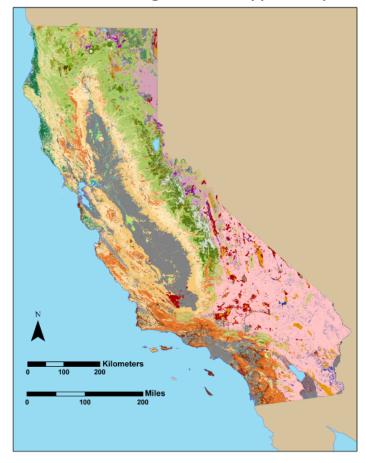




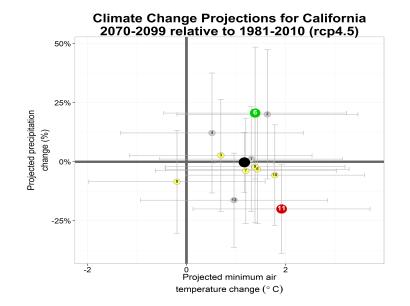
Future Climate

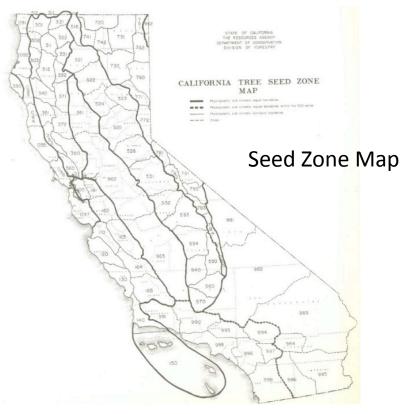


California Vegetation Type Map









Discussion Topics / Questions to Consider

- Identify stock types that are best regarded as suitable for weatherand climate-related stress
- Evaluate current approaches intended to best match seedling capabilities and adaptabilities to future growth environments
- Consider the current and future utility of seed zones and breeding zones, as well as feasible alternatives

- What 3 to 5 prescription elements require decisions on your part and are important to yourself, your NF, or stakeholders within these topics?
- What are some key considerations to weigh for these elements?