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

Moderators:

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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

Nursery – Client Partnership
Outplanting Site
Quality Not Appearance

Three key, often overlooked approaches — these guide the process.

1. Project objectives?
2. Limiting factors on outplanting site?
3. Species and genetic source?
4. Stocktype?
5. Outplanting tools and techniques?
6. Outplanting window?

Answers to these six interrelated questions define the target plant material.

Grow target plants in nursery

Outplant and evaluate survival and growth up to 5 years
Stocktype mismatched to shallow soil conditions
Target characteristics and subsequent seedling performance are determined by the outplanting site.

There is no “one size fits all” for seedling quality or stocktype selection.
Seedlot Selection Tool

Current Climate (red = good climate match)

Future Climate
Discussion Topics / Questions to Consider

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• 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?