

ORDER SEEDS PROCURED

GREENHOUSE SPACE SEEDS "W

ALLOCATED

SEEDS "WOKEN" FROM DORMANCY

These steps alone may take several months.

Ordering at least a year in advance is recommended, with some species requiring even earlier notice.⁷

PLANTING IN THE FIELD

Seedling survival is highly dependent on species requirements and site preparation.



Compared to the summer, spring planting can reduce costs and timelines, while giving seedlings a head-start over competing weeds⁸ and a chance to establish before drying out.^{2,6}



Both seedlings and cuttings must be kept cool prior to planting.^{9,1}

Good soil contact is important.^{2,9} Some seedling species require elevated sites to keep above the water table.9



Canadian Conservation and Land Management

TO LEARN MORE ABOUT SUCCESSFUL RECLAMATION PLANTING, FIND THESE RESOURCES AND MORE AT WWW.CCLMPORTAL.CA

- Centre for Boreal Research. Technical Note #25.
 Handling of Poplar and Willow Cuttings Part 1:
 Collection, Storage and Pre-planting Preparation.
 Forest Reclamation and Boreal Reforestation April 2019
- 2. Centre for Boreal Research. Technical Note #26. Handling of Poplar and Willow Cuttings Part 2: Transportation and Planting. Forest Reclamation and Boreal Reforestation – April 2019.
- 3. Centre for Boreal Research. Technical Note #27. Native Boreal Seed Enhancement: Seed Pelleting. Plant and Seed Technologies April 2019
- 4. Centre for Boreal Research. Technical Note #28.
 Hitchhiker Planting in Reclamation: Protocols for
 Developing Nursery Stock of Woody and Herbaceous
 Species. Forest Reclamation and Boreal Reforestation
 April 2019
- 5. Centre for Boreal Research. Technical Note #29. Greenhouse Propagation of Endemic North American Reed Grass (Phragmites australis americanus). Plant and Seed Technologies – November 2019
- 6. <u>Centre for Boreal Research. Technical Note #40.</u>
 <u>Timing of Planting: What Are Our Options? Forest</u>
 <u>Reclamation and Boreal Reforestation</u> February 2021
- 7. COSIA. Planting Part I: Sowing the Seeds of Success
- 8. <u>COSIA. Forest Restoration Virtual Tours and Silviculture Toolkit.</u> 360tours.cosia.ca
- 9. NRCAN. A Guide to Planting. Timing, microsites, techniques and monitoring
- 10. Oil Sands Research and Information Network (OSRIN). Alternative Native Boreal Seed and Plant Delivery Systems for Oil Sands Reclamation.

ALTERNATIVE PLANTING TECHNIQUES

Soil decompaction may be needed to allow adequate

Alternative approaches are being explored to improve planting success and expand the biodiversity of planting programs.¹⁰



BIODEGRADABLE CONTAINERS

For species sensitive to root handling.¹⁰



NUTRIENT LOADING¹⁰

SEED PELLETING

Makes small seeds easier to spread.^{3,10}

