

Plant Propagation Lab Exercise

Module 3



PROPAGATING WOODY STEM CUTTINGS Narrow-leaved Evergreens

An introduction to plant propagation laboratory exercises by:
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LAB OBJECTIVES

- **Familiarize students with special cutting types associated with narrow-leaved evergreens**
- **Demonstrate proper procedures for narrow-leaved evergreen stem cuttings**
- **Evaluate the effects of cutting type on the propagation of narrow-leaved evergreen cuttings**



Hardwood Cuttings

Narrow-leaved evergreen species

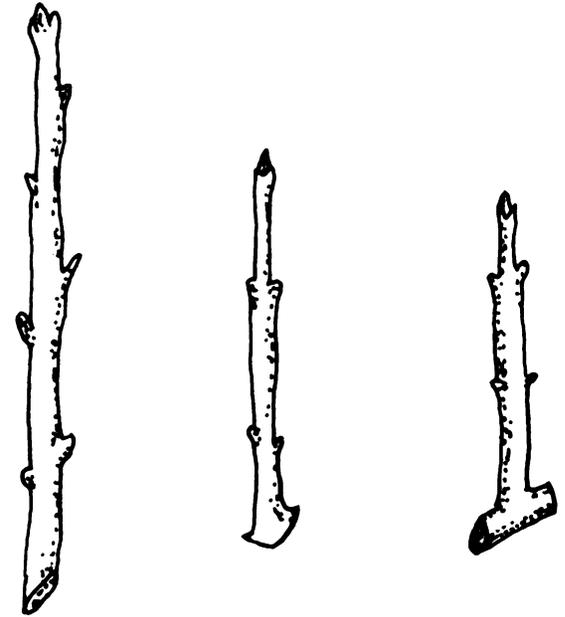
- **Mature wood**
- **Dormant wood**
- **Firm wood**
- **Collected during dormant season.**
- **May also need older wood for success.**



Hardwood Cuttings

Narrow-leaved Evergreens

- Straight cutting
 - Does not include older wood
- Heel cutting
 - Includes only a small piece of older wood
- Mallet cutting
 - Includes a short stem section of older wood



METHODOLOGY

1. Prepare substrate in cell pack flats
2. Take cuttings representing each of the narrow-leaved evergreen cutting types from a plant chosen by your lab instructor.
3. After treatment with an auxin, stick cuttings in cell pack flats by treatment.
4. Label flats accordingly and place on benches under mist.



