



Plant Tissue Sampling for Fraser Fir

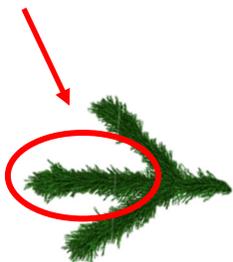
When to sample: Take samples during dormancy — after bud set (August-September) and before bud break (February-March). September is ideal.

Growth stage: Early (E) or Mature (M)

Tree Position: Middle (M). Collect shoots from the current season's growth from the upper half of the tree. Do not sample from the top whorl.

Plant part: Most Recent Mature Leaf (MRML). Break off 4-6" mature lateral shoots from 15–20 trees for ~15-20 shoots total.

Plant Part



Tree Position

Tips

- Fill out the Plant Sample Information Form as completely as possible. The more information you provide, the more precise your recommendations will be.
- Specify the **growth stage** and whether your sample is **Predictive** (routine) or **Diagnostic** (troubleshooting). For diagnostic testing, submit a plant sample and a corresponding soil sample from both a “good” (healthy) and “bad” (unhealthy) area.
- Use paper bags for storing and mailing. Don't put your leaves in a plastic bag. They will rot.

Standard analysis includes: nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, zinc, copper, and boron.

Fees: \$5 per sample for N.C. growers (\$25 for out-of-state; \$12 for N.C. researchers).

Turnaround time: 2 days from receipt.

Send samples to: N.C. D.A. & C.S. Agronomic Services—Plant Lab

Mailing address:

1040 Mail Service Center, Raleigh, NC 27699

Physical address:

4300 Reedy Creek Rd, Raleigh NC 27607

Phone: (919) 733-2655

For more detailed information, go to the Plant Tissue Analysis page at www.ncagr.gov/agronomi or contact the regional agronomist for your area.