



Plant Tissue Sampling for Cotton

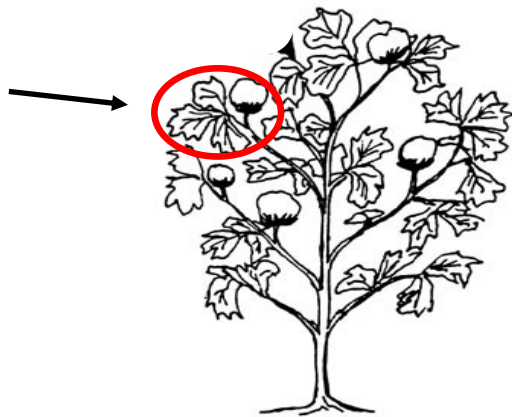
When to sample: Seedling (S) Four weeks following emergence of 2-3 true leaves.

Early (E): Four weeks following seedling stage, includes pin-head square formation.

Bloom (B): Begins when plants have at least 5 open blooms per 25 row feet.

Fruit (F): Begins 5th week after beginning of bloom

Part to collect: Collect 25-30 most recent mature leaves and petioles. **Separate petioles in the field and include with sample.**



Tips

Fill out the Plant Sample Information form as completely as possible.

Specify the **growth stage** and whether your sample is **Pre-dictive** (routine) or **Diagnostic** (troubleshooting). For diagnostic testing submit a sample from both a “good” (healthy) and “bad” (unhealthy) area.

Tips: 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, aluminum and boron on the leaf and nitrate on the petiole.

Fees: \$7 per sample for N.C. growers
(\$27 for out-of-state; \$14 for N.C. researchers)

Turnaround time: 2 days from receipt

Send samples to: NCDA&CS 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