

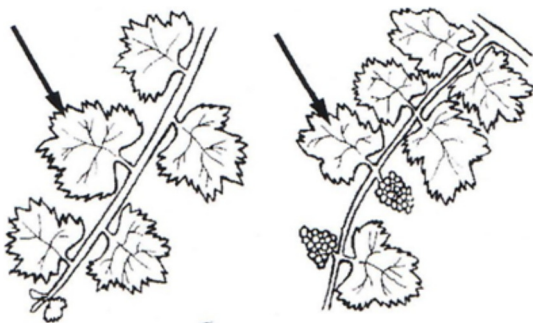


Plant Tissue Sampling for Grapes

How: Sample each variety separately. Collect 25 to 60 leaves or petioles, depending on the type of grape. Sample the most recently mature leaves (MRMLs) located opposite the flower/fruit clusters and five to seven leaves from the shoot tip. Do not collect more than one or two MRMLs per vine.

Muscadine: Sample June through August. Detach leaves from petioles in the field and submit leaves only.

Bunch (*vinifera*, *labrusca*, *aestivalis*): Sample full bloom through veraison. Detach petioles from leaves in the field and submit petioles only.



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 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, aluminum 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: 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

For more detailed information, go to the Plant Tissue Analysis page at

www.ncagr.gov/agronomi or contact the regional agronomist for your area.