

## Blueberry Leaf Sampling Instructions:

1. Sample New Leaves and Old Leaves SEPARATELY and place into individually labeled bags.
  - a. New = newest recently-mature growth from the top of the plant.
  - b. Old = oldest still-viable growth from the base of the plant.



**New**



**Old**

2. Select a representative field sample of a new leaf and an old leaf from 20-30 plants of the same cultivar and growing conditions. Each sample (new and old) should fill a 1qt plastic bag about halfway.
3. Remove petioles, and all other non-leaf plant material from sample leaves.
4. Complete a [Sampling Label](#) (linked), including contact info, crop, cultivar, and new/old leaf. Affix labels to the outside of each sealable plastic sample bag. *(Do not use paper bags or include paper in bags)*
5. Cold Packs and/or insulated packaging are recommended when shipping leaf samples in warm conditions. Wrap frozen cold-packs in paper to insulate them from direct contact with samples.
6. Mail samples to:

**Apical Crop Science**  
**1382 SE 3<sup>rd</sup> Ave Suite 4**  
**Canby, OR 97013**

## Tips for best results:

1. Obtain optimal plant health by conducting *5-7 Leaf Extract Analyses* throughout the growing season (sampling intervals listed in the table above).
2. Always sample at a consistent time of day, preferably prior to 10 am to ensure minimal transpiration - about two hours after sunrise is optimal.
3. Ensure samples are as clean as possible - dew, dirt, dust, and fertilizers can affect test accuracy.
  - o If samples are not clean, wash leaves with clean, non-chlorinated cold water.
4. Ensure samples are surface-dry (**not dried out**) before bagging - dew, rain, and condensation affect accuracy.
  - o If samples are not dry, please dry with paper towel or air dry to ensure leaves are not wet in sample bag.
  - o **Please do NOT leave paper towels (or anything that will dry out leaves) in bags with samples.**

Recommended Sampling Intervals
Petal Fall
Shoot Extension
Fruiting
Post-Harvest
Pre-Bud Set