

**IMPORTANT SAMPLING INTERVALS**

6" NEW GROWTH *	PRE-BLOOM	BUCKSHOT (BB-sized)	BUNCH CLOSURE	VERAISON
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*\* New Growth samples can be of the whole plant or new leaves only.*

**Grape Leaf Sampling Instructions:**

1. Sample NEW leaves and OLD leaves **SEPARATELY** and place into individually labeled bags.
  - o New = newest recently-mature growth from the top of the plant.
  - o Old = oldest still-viable growth from the bottom of the plant.
2. Collect a representative field sample including one new and one old leaf from at least 10 plants of the same cultivar and growing conditions. Each sample (new and old) should fill a 1qt plastic bag.
3. Remove petioles, and all other non-leaf plant material from sample leaves.
4. Complete a [Sampling Label](#) (linked) with your contact info, crop, cultivar, field/block info, new/old leaf, and desired agronomy services. Affix labels to the **outside** of each sealed plastic sample bag. *(Do not use paper bags or include paper in bags)*
5. Keep samples viable by minimizing shipping time and using cold-packs and/or insulated packaging when shipping leaves 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:**

- a** Obtain optimal plant health by conducting **5-7 Leaf Extract Analyses** throughout the growing season (sampling intervals listed in the table above).
- a** Assess and resolve stress, pests, or toxicities by testing and treating weekly until desired health is achieved.
- a** Always sample at a consistent time of day, preferably prior to 10 am to ensure minimal transpiration - about two hours after sunrise is optimal. For indoor, sample within one hour of light cycle start.
- a** 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.
- a** 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.**