



EMERGENCE	1 <sup>ST</sup> LEAF	VEGETATIVE	FLOWERING	FRUITING
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Sample New Leaves and Old Leaves ***EACH SEPARATELY*** in and place into **individually labeled bags**

*\*Samples prior to VEGETATIVE can be of the whole plant OR single leaf set*

1. New --Most ***Recently Mature*** New Growth
2. Old --Most ***Still Viable*** Old Growth
3. **SELECT GROWTH FROM TOP AND BOTTOM**
4. **OBTAIN OPTIMAL RESULTS FROM 5 SAMPLINGS PER SEASON**
5. Select *a* representative sample the field including a minimum 20-30 PLANTS OF EACH NEW AND OLD--APPROX. FULL **1 QT ZIPLOCK BAG (Use 1 gallon ziplock bags and roll leaves lengthwise AFTER LATE BUD)**
6. Complete submission label, including cultivar and leaf location information and affix labels to sealable plastic bags (***Do not use paper bags or tissue sample bags***)
7. Mail samples to:

Apical Crop Science  
1382 Se 3<sup>rd</sup> Ave Suite 4  
Canby, Or 97013

### **Tips for best results**

1. Always sample at a consistent time of day, preferably prior to 10 am to ensure minimal transpiration -about 2 hours after sunrise is optimal. Indoor—within 1 hour of light cycle start.
2. Ensure samples must be as clean as possible—dew, dirt, dust, & fertilizers on leaves can affect test accuracy.
  - o If samples are not clean, wash leaves with clean, non-chlorinated cold water to remove dust or dirt.
3. Ensure samples are dry before placing into plastic bag--dew, rain, 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