



RECOMMENDED DECIDUOUS* SAMPLING INTERVALS

EARLY LEAF	FLOWERING	SHOOT EXTENSION	MATURE LEAF/FRUITING	PRE-LEAF DROP
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* Sample Evergreens at comparable points in the growing season.

Bonsai Leaf Sampling Instructions:

1. Collect **NEW** leaves and **OLD** leaves **SEPARATELY** in individually labeled bags:
 - New = newest recently-mature growth from the top of the plant (tip of a branch).
 - Old = oldest still-viable growth from the bottom of the plant (base of a branch).
2. Collect new and old leaves from a specific plant, or collect a **representative field sample** of new and old leaves from several plants of the same cultivar and growing conditions. Each sample (new and old) should fill a 1qt plastic bag halfway.
3. **Remove petioles** and all other non-leaf plant material from sample leaves.
4. Complete a Leaf [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 (*including payment if paying with check or money order*) to:

Apical Crop Science LLC
1382 SE 3rd Ave, Suite 4
Canby, OR 97013

DO NOT SEND ANY INTERNATIONAL LEAF, SOIL, OR WATER SAMPLES WITHOUT PRIOR WRITTEN APPROVAL FROM APICAL.

TIPS FOR BEST RESULTS:

- [Request Apical's Agronomy Services](#) for nutrient *Target Range Charts* and *Detailed Recommendations*.
- **Include notes** about growth stage, health, pests/disease, and other points that will help us serve you.
- **Be proactive** by conducting 5-7 Leaf Extract Analyses throughout the growing (recommended sampling intervals listed in the table above).
- **Solve stress, pests, or toxicities** by testing and treating weekly until optimal health is achieved.
- **Collect leaves at a consistent time** of day, preferably prior to 10 a.m. to ensure minimal transpiration - about two hours after sunrise is optimal. For indoor, sample within one hour of light cycle start.
- **Ensure leaves are clean** of dew, dirt, and fertilizers - wash with clean, cold, non-chlorinated water if needed.
- **Ensure leaves are surface-dry** (not dried out) before bagging - use a paper towel or air-dry if needed.

*Please do NOT leave paper towels (or anything that will dry out leaves) in bags with samples.