



RECOMMENDED SAMPLING INTERVALS

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TRANSPLANT	EARLY VEG	MIDDLE VEG	PRE-FLOWER	FLOWERING	FLOWERING- LATE	FLOWER-PROTECT

** Apical can receive and analyze hemp and cannabis plant material. However, it is the customer's responsibility to know and follow state and federal shipping regulations. Please get in touch with carriers directly for further information regarding shipping regulations and requirements.**

Hemp 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
 - Old = oldest still-viable growth from the bottom of the plant
2. Collect a **representative field sample** including one new leaf and one old leaf from 20-30 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 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 copy of hemp license and 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.