



EMERGENCE	EARLY VEG	MID-VEG	EARLY BULKING	MID-BULKING
<b>RECOMMENDED SAMPLING INTERVALS</b>				

*\* Samples at Early Veg and prior can be of the whole plant or single leaf sets.*

## **Celery Leaf Sampling Instructions:**

1. Sample New (inside) Leaves and Old (outside) Leaves ***SEPARATELY*** in ***individually labeled bags***.
  - a. New = newest **recently-mature growth** from interior stalks of the plant.
  - b. Old = oldest **still-viable growth** from exterior stalks of the plant.
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 representative sample (new and old) should ***halfway fill a 1qt plastic bag***.
3. **Remove petioles**, and all other non-leaf plant material from sample leaves.
4. Complete a **Sampling Label** (linked), including contact info, crop, cultivar, 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 Leaf Extract Analyses** throughout the growing season (sampling intervals listed in the table above).
2. **Assess and resolve stress, pests, or toxicities** by testing and treating weekly until desired health is achieved.
3. 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.
4. 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.
5. 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.**