



EMERGENCE	EARLY VEG	MID-VEG	HEAD FORMATION
RECOMMENDED SAMPLING INTERVALS			

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

Brassica 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 leaves of the plant.
 - b. Old = oldest still-viable growth from exterior leaves of the plant.
2. Select a representative field sample of a new leaf and an old leaf from 3-10 plants of the same cultivar and growing conditions. Each representative sample (new and old) should fill a 1qt plastic bag.
 - a. For larger leaves, stack and roll leaves to fit in a 1-gallon 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 3rd Ave Suite 4
Canby, OR 97013

Tips for best results:

1. Obtain optimal plant health by conducting *at least 4 Leaf Extract Analyses* throughout the growing season (see the table above for minimum recommended sampling intervals).
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.**