**Corn**

Plant sap sampling guide

**General:**
- Bar-coded labels with correct crop descriptions must be pre-ordered and in the sampler’s possession before sampling. If you do not have bar-coded labels, stop, and call us for support.
- Sample bags, bar-coded labels, and this instruction guide should be in your sampling kit. If you are missing any of these items, call us for support.
- **If labels need changed, or become lost, contact us for expedited reorder.**
- This program should be used under the direction of a trained consultant
- One sample set = (1) sample bag of new leaves and (1) sample bag of old leaves of the same crop. You may sample only old or only young growth if advised by your consultant.
- On average, 4-8 samples are collected during the plant growth cycle per crop.
- Sample results are available 7 days after sampling, allowing the producer to modify nutritional inputs in the most expedient manner possible.
- All recommendations and communications should be managed by your consultant. Please connect with your consultant for adjustments to your fertility plan or copies of your results.

**For the safety of our staff, you must notify us if you have applied ANY agriculture spray within 48 hr. of sampling**

**Location:**
- Sample leaves of average leaf quality.
- Sample either the sunny or shady side of the plants consistently.
- Sample **abnormal** plants (with deficiency or disease symptoms) separately.
- Individual labels can be ordered for this purpose
- Sample at 9:00 AM or earlier for sufficient leaf-tension and moisture.

**Plant parts**

For a young leaf sample, pick **youngest, fully developed leaves.** For corn this will be the 3rd leaf from the top of the plant. Also pick (separately) the **oldest, but still vital leaves.** Most of time this is the 3rd leaf from the lowest part of the plant (Pic 1).

The part from the middle of the leaves will be used for the samples (Pic 2).
Sample size
- 12 ounce drink bottle, loosely filled by volume (use as a guide in the field)
- 80 grams -OR- 0.20 LBS

Preparing the leaf samples
- Apply labels from your sample kit to the sample bags.
- Pack the young and old leaves separately in separate bags, enclosed with your packet.
- Remove excess air

Packing the leaf samples
- Pack bags according to label description for young growth and old growth, cultivar, crop, or type of water sample detailed on your label.
- Pack clean, dry leaves. If leaves are wet from rain or dew, gently pat them with a clean paper towel.
- Ship to Crop Health Labs or the collection depot via FedEx, UPS, or DHL with guaranteed one or two day delivery.
- Ship in a sturdy box with ice pack

Shipping the samples
- Check with your consultant to verify the correct shipment address.
- CHL must receive samples on Tuesday or Friday by 12:00 noon, EST
- Ship to:
  USA: 1800-495-7938
  Crop Health Laboratories
  93 Main St.
  Bellville, OH 44813
  info@CropHealthLabs.com
  CANADA: (519) 323-1146
  BMCI
  Attn: Joerg Hess
  031263 Grey Rd. 14
  Conn, Ontario N0G1N0
  CANADA