

LEAF SAP SAMPLING GUIDE

Cucurbits (Cucumber, Squash, Melon)



Keep in mind!

- Avoid outer rows and first 20 feet of a row.
- Sample leaves with average leaf quality. Sample plants of abnormal growth separately.
- Sample consistently; sunny side of the plant, avoid extreme weather etc.
- If leaves are wet at sampling lightly pat dry before shipping (moisture influences results).
- Sap analysis data works best when used in progression. The more samples the better crop nutrient uptake can be illustrated and understood.
- Sample either before or 3+ days after fertilizer/pesticides have been applied.



Sampling Instructions

Sample Time: Sample in the morning before 11 a.m. and temperatures less than 80 °F to ensure adequate leaf tension and moisture. Avoid sampling in the rain. Store samples in cooler.

Sample Size: Collect 80+ grams each of both new (young) and old leaves + petiole for a collected total of 160+ grams per sample set. Bag new & old leaves separately in gallon zip lock bags labeled New or Old.

Initial Sampling: Begin sampling when plant has 6+ leaves, place in zip lock bag labeled NEW. New fully expanded leaves only.

Sequential Samples: New & Old leaf set every 2+ weeks.

NEW - Youngest fully expanded leaves from the growing part of the plant. Place leaves in zip lock bag labeled NEW. **New leaf = newest yet fully developed leaf.**

OLD - Sample fully functional leaves, typically first or second leaf from the base. Place leaves in separate zip lock bag labeled OLD. **Old leaf = oldest yet still viable leaf.**

****Do not mix varieties when sampling as may cause variation in analyses****

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NEW Leaf Sample



OLD Leaf Sample



Keep samples cool. Ship overnight or 2-day on M/T/W (morning arrival time) with ice packs. Samples should not come into direct contact with ice packs. Let air out of bags before shipping.

All samples must be accompanied by a fully completed Sample Submission Form. Fillable version available on our website www.newagelaboratories.com.

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