

LEAF SAP SAMPLING GUIDE

Lettuce



Keep in mind!

- Avoid outer rows and first 20 feet of a row.
- Sample leaves with average leaf quality. Sample areas of abnormal growth separately.
- Sample consistently; sunny side of tree, 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.
- Note fertilizer and irrigation times and application rates if possible.
- 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 for a collected total of 160+ grams per sample set. Bag new and old leaves separately in quart sized zip lock bags labeled New and Old.

Initial Sampling: Begin sampling when young plants develop 6+ leaves at 4+ inches tall. Sample the largest leaf in its entirety. Place stacked leaves in zip locked bag labeled New.

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

NEW- Sample youngest fully open leaves in center of the plant. Place stacked leaf + petiole in a zip lock bag labeled NEW. **New leaf = newest leaf outside of the developing head.**

OLD- Sample still healthy and functional leaves, 3rd or 4th oldest leaf on the plant. Place stacked leaves in separate gallon zip lock bag labeled OLD.

Old leaf = oldest yet still viable leaf.

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

Science You Can Use, Partners You Can Trust

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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.