

# 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 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.
- 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 for 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 leaves separately labeled New and Old.

**Initial Sampling:** Begin sampling when young plant develops 6+ leaves at 4+ inches tall. Sample the largest leaf in its entirety. New fully expanded leaves only. Place stacked leaves in zip lock bag labeled NEW.

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

**NEW-** Youngest fully expanded leaf in center of the plant. Place stacked leaves in gallon zip lock bag labeled NEW.

**New leaf = newest leaf on outside of the developing head**

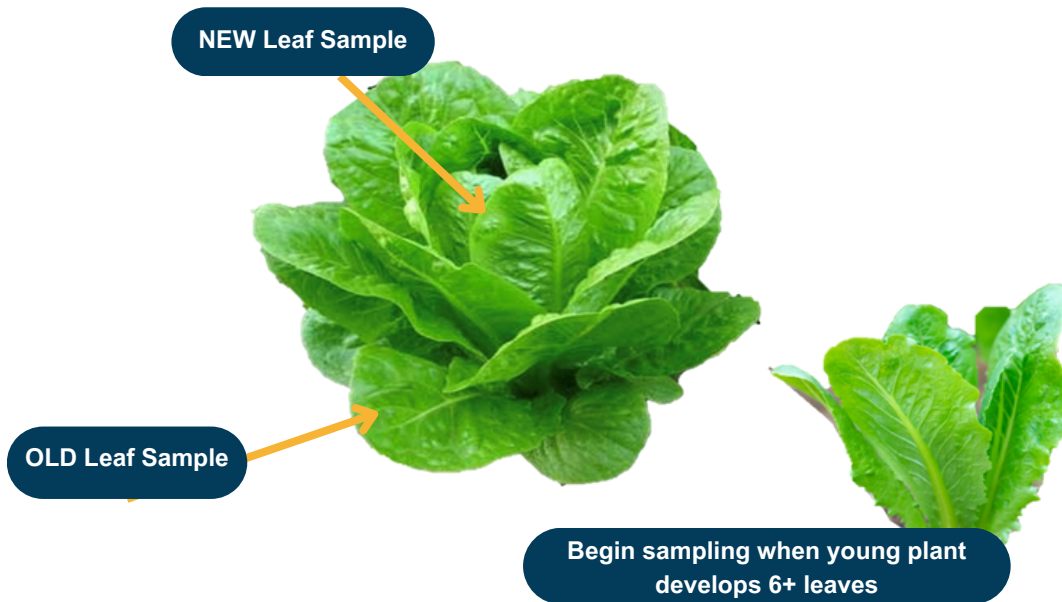
**OLD-** Oldest still healthy and functional leaves are 2nd or 3rd oldest leaf on the plant. Place stacked leaves in separate gallon zip lock bag labeled OLD.

**Old leaf = oldest yet still healthy and functional leaves**

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

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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](http://www.newagelaboratories.com).

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