

# LEAF SAP SAMPLING GUIDE

## Avocado



### 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 for adequate leaf tension and moisture. Avoid sampling in the rain. Store samples in cooler.

**Sample Size:** Collect 100+ grams each of both new (young) and old leaf + petiole for a collected total of 200+ grams per sample set. Bag leaves separately labeled New and Old.

**General Sampling:** Sampling can begin any time though starting at shoot expansion will ensure adequate amount of leaves. Sampling right before bud development will initiate an entire growth cycle. Sampling should be focused around stages of growth. Fruit set & fruit development are months long and could be sampled multiple times within these stages.

**Stages of Growth:** shoot expansion, budding, flower, fruit set, fruit development

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

**NEW** - Youngest fully formed leaf (3rd or 4th leaf from the growth point of the shoot). Place stacked leaf + petiole in a zip lock bag labeled NEW.

**OLD** - Still healthy and functional leaves (last or 2nd to last leaf from base of the shoot). Place stacked leaf + petiole in a separate zip lock bag labeled OLD.

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

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