

# LEAF SAP SAMPLING GUIDE

## Pistachio



### Keep in mind!

- Sample both young and old leaves from the same tree. Decide if both male and female trees are to be sampled or just female.
- Avoid outer rows and first 20 feet of a row.
- Sample trees with average leaf quality. Sample areas of abnormal growth separately.
- Sample consistently; sunny side of the tree, consistent height (about shoulder height), avoid non-fruiting terminals and 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 foliar/ 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.

**Sample Size:** Collect 90+ grams each of both new (young) and old leaves + petiole for a collected total of 180+ grams per sample set. Bag new & old leaves separately in gallon zip lock bag labeled New or Old.

**Initial Sampling:** Begin sampling when young leaves are fully expanded and developed, place in sip lock bag labeled NEW. New fully expanded leaves only.

**Sequential Samples:** New and Old leaf set every 2+ weeks (1st new flush to peak harvest).

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

**OLD** - Sample farthest leaves from the growing point that are still functional. Place leaves in a separate bag labeled OLD. **Old leaf = oldest yet still viable leaf.**

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

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PC: Nichols Farms



Sample entire compound leaf with petiole



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).