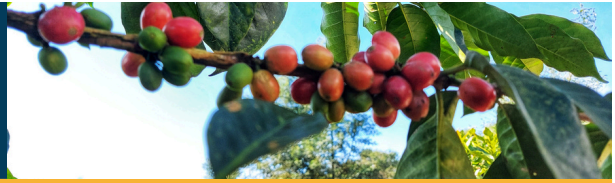


# LEAF SAP SAMPLING GUIDE

## Coffee



### 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 or fridge immediately.

**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 leaves separately labeled New and Old.

**Initial Sampling:** Begin sampling at post-flush when new leaves are fully expanded and hardened. Place leaves + petiole in zip locked bag labeled New.

**Sequential Samples:** New/Old leaf sample sets taken at growth stages: Vegetative, Pre-bloom, Full Bloom, Fruit Set, Fruit Fill, Pre-Harvest.

**NEW-** Sample youngest fully expanded leaves typically 3<sup>rd</sup> or 4<sup>th</sup> leaf from the shoot growth point. Place stacked leaves + petiole in a zip lock bag labeled NEW.

**OLD-** Sample mature healthy and functional leaves typically 2<sup>nd</sup> or 3<sup>rd</sup> leaf from the base of the same shoot. Place stacked leaves + petiole in separate zip lock bag labeled OLD.

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

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Sample leaf and petiole together

OLD Leaf Sample

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

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