

LEAF SAP SAMPLING GUIDE

Chestnut



Keep in mind!

- Avoid outer rows and first 5 trees of a row.
- Sample leaves with average leaf quality. Sample areas of abnormal growth separately.
- Sample consistently; 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 + petiole for a collected total of 160+ grams per sample set. Bag leaves separately labeled New and Old.

Initial Sampling: Begin sampling at leaf expansion. Sample new leaves that are fully developed and expanded (fourth or fifth leaf from growth point). Place stacked leaf + petiole in zip lock bag. New fully expanded leaves only. Growth stage: leaf expansion

Sequential Samples: New and Old leaf sample set every 2+ weeks in combination with stages of growth: leaf expansion, catkin formation, burr formation, kernel development, burr split.

NEW- Youngest fully formed leaf from the growing point of the shoot. Place stacked leaf + petiole in zip lock bag labeled NEW.

OLD- Still healthy and functional leaves which are the second or third to last leaf from the base of the shoot. Place stacked leaf + 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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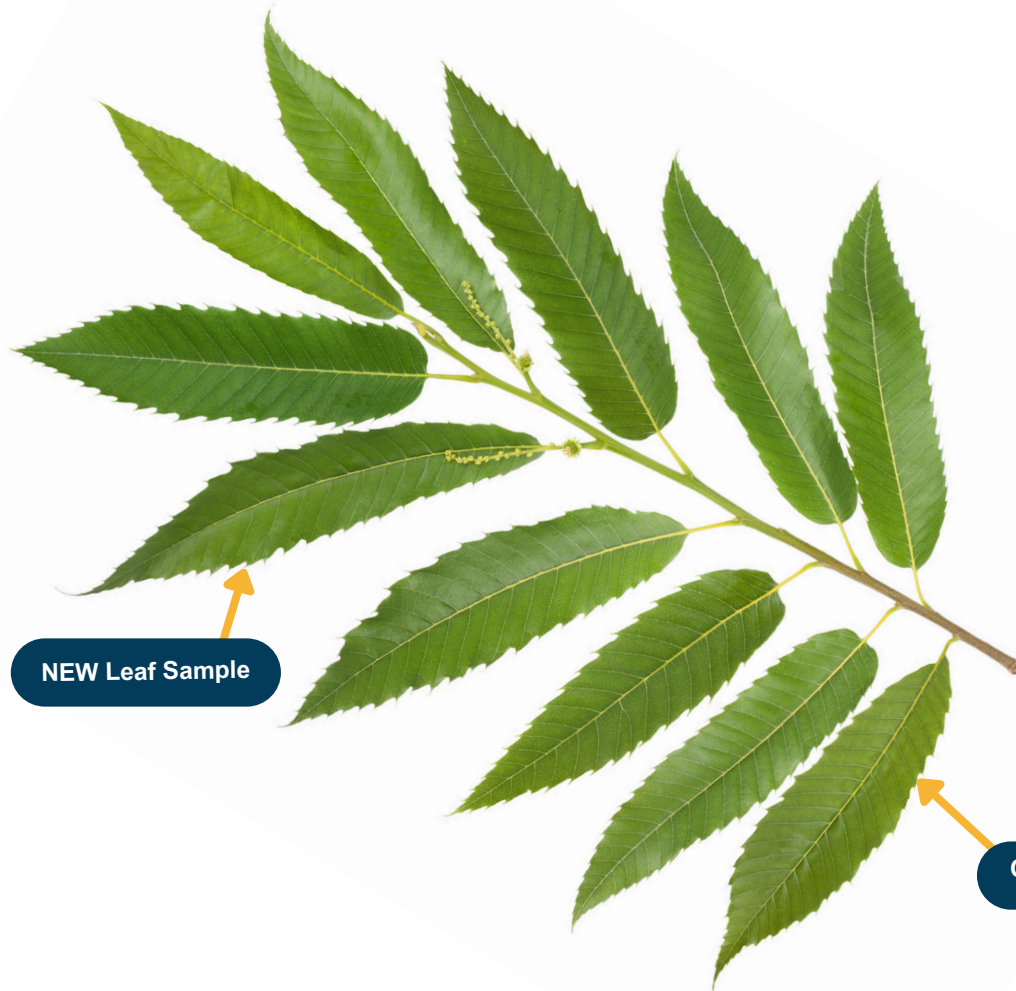
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Keep samples cool. Ship overnight or 2-day on M/T/W (morning arrival time) with ice packs. Samples should not come into direct contact with ice packs. Let air out of bags before shipping.

All samples must be accompanied by a fully completed Sample Submission Form. Fillable version available on our website www.newagelaboratories.com.

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