

LEAF SAP SAMPLING GUIDE

Grape



Keep in mind!

- Avoid outer rows and first 20 feet of a row.
- Sample leaves with average leaf quality. Sample plants of abnormal growth separately.
- Sample consistently; sunny side of vine, 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.
- Sample either before or 3+ days after fertilizer/pesticides have been applied.
- Indicate growth stage on Sample Submission form with every sample shipment to the lab.



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Sampling Instructions

Sample Time: Take samples 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.

Sample Size: Collect 100+ grams each of both new (young) and old leaves + petiole together for collected total of 200+ grams per sample set. Bag new and old leaves separately in gallon sized zip lock bags labeled New and Old.

Initial Sampling: Begin sampling when vine has 5+ leaves. Newest yet fully expanded leaves that are approximately the 5th leaf from growth tip of the vine. Place leaves in zip locked bag labeled New. Growth stage: Pre-bloom.

Sequential Samples: New & Old leaf set every 2+ weeks in association with stage of growth.

NEW- Sample youngest fully expanded leaves from growing tip of the vine which will be approximately the 5th new leaf. Place stacked leaves in gallon zip lock bag labeled NEW.

New leaf = newest yet fully developed leaf and petiole.

OLD- Sample fully functional old leaves; typically a darker green and thicker than young leaves. Place stacked leaves in separate gallon zip lock bag labeled OLD.

Old leaf = oldest yet still viable leaf and petiole.

Growth Stages: flower, fruit set (buckshot berries, bunch closure), veraison, pre-harvest, harvest.

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

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.

