

LEAF SAP SAMPLING GUIDE

Tomato



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.
- If leaves are wet at sampling lightly pat dry before shipping (moisture can influence 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 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 a cooler.

Sample Size: Collect 80+ grams each of both new and old compound leaf + petiole. Use plastic zip lock bag, and label stage of growth (veg, flower, fruit), variety and determinate or indeterminate on Sample Submission Form.

Initial Sampling: Plants have 5+ fully developed compound leaves. New leaf only sample, will usually be 3rd or 4th from the growth point. Place leaves in zip lock bag labeled NEW.

Sequential Samples: New & Old leaf set every 2+ weeks.

NEW- Youngest fully expanded compound leaf from the top of the plant. Place leaves in gallon zip lock bag labeled NEW. **New leaf = newest yet fully developed COMPOUND leaf.**

OLD- Closest fully expanded compound leaves from the base of plant that are still functional. Place leaves in separate zip lock bag labeled **OLD. Old leaf = oldest yet still viable COMPOUND leaf.**

****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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New Leaf Sample

PC: Horse Progress Days, Shipshewana



Old Leaf Sample



Proper sampling includes full **COMPOUND LEAF** as seen here.

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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