

AVOCADO

Take the first fully expanded leaves on the latest flush. BE SURE TO TAKE WHOLE LEAF & STEM (petiole), not just the leaf blade.

Sample at least **200 leaves** throughout the orchard, no more than 6 per tree to obtain a representative sample. If the leaves are small or dry, more leaves will be required. Sample at about shoulder height, at up to three different points around the tree. The part to be tested is the petiole (leaf stalk) and the midrib.

If you require a Sap 4 analysis, please collect **twice** as many leaves.

Monitoring program

Begin sampling at fruit set, then monthly to harvest, or sample by crop stage. Usual sampling times are:

- early fruit set
- when fruit size is about 25 mm
- when fruit is 50 mm
- when fruit reaches mature size



1ST FULLY EXPANDED LEAF

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Additional Notes:

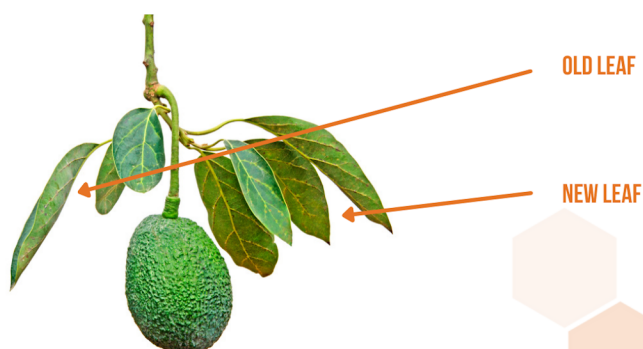
- To ensure that the laboratory is able to perform the entire test suite required, please ensure that the above instructions are followed.
- Place samples into a plastic sample bag, never in paper, as paper will dry out the sample and may not allow for enough sap to be extracted for analysis.
- If obtaining the required number of leaves required to perform a sap test cannot be attained or to avoid the additional preparation fee, the laboratory advises for a **Dry Tissue** test (DT2 or DT4) to be performed instead of a sap test. Refer to the Hortus Analytical Dry Tissue Sampling Manual on the Novum Lifesciences website for sampling information.

Sampling for new leaf and old leaf testing:

Sample non-fruiting terminals only. Take leaves that are about $\frac{3}{4}$ expanded on the latest flush. This will be your NEW LEAF SAMPLE.

Take the old leaves from the same growing stem. This will be your OLD LEAF SAMPLE.

Sample the appropriate number of leaves for each sample type through the orchard, no more than 6 per tree (of each sample type) to obtain a representative sample. Sample at about shoulder height, at up to three different points around the tree.



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DIFFERENTIAL SAP ANALYSIS

Sampling for new leaf and old leaf testing:

- New leaf samples should be sampled by following the above instructions. Ensure that if the leaves are small that more leaves are sampled.
- Old leaves may require more leaves to be collected as the older leaves may be a lot drier than the new leaves. It is recommended to send 4 – 5 times the number of old leaves to new leaves if they appear to be a lot drier. An additional preparation fee for these samples will be incurred.
- If obtaining the required number of leaves required to perform a sap test cannot be attained or to avoid the additional preparation fee, the laboratory advises for a **Dry Tissue** test (DT2 or DT4) to be performed instead of a sap test. Refer to the Hortus Analytical Dry Tissue Sampling Manual on the Novum Lifesciences website for sampling information.

Take the young leaf from the tip of the branch and the old leaf from half way down. (see pic)



NEW LEAF

OLD LEAF