



Manual plant sap sampling

Strawberry



PLANTPRODUCTS

A member of Biobest Group

Please contact your Plant Products Technical Representative with any questions.



Sampling and sending samples

Location

Take the following steps into account when collecting leaf samples:

- Avoid the outer rows of the field or greenhouse. Also avoid the first and last 10 meters of a row.
- Sample leaves with an average leaf quality. Sample abnormal plants with e.g. deficiency symptoms separately. Might a deficiency be present in the young or old leaves of the total crop, then sample these leaves regularly as a young or old leaf sample.
- Consider the sunny and shady side of the plant. Always consistently sample the same side.

Time of sampling

It is strongly recommended to take the samples before 9:00 AM. The plant will then have enough leaf-tension with proper moisture conditions.

Begin with sampling the leaves two weeks after planting, then every week. The same applies to water samples, irrigation, slab and drain water when you grow strawberries in a greenhouse. Until the cultivation is finished.

Plant parts

For a young leaf sample, pick the **youngest, fully developed leaves**. Also pick (separately) the **oldest, but still vital leaves**. From these composited leaves, only the middle (top) leaf is needed for each leaf sample (see pictures 1,2 and 3). Stack the leaves for each sample and remove the petioles, as they will not give a good indication and influence the sample.

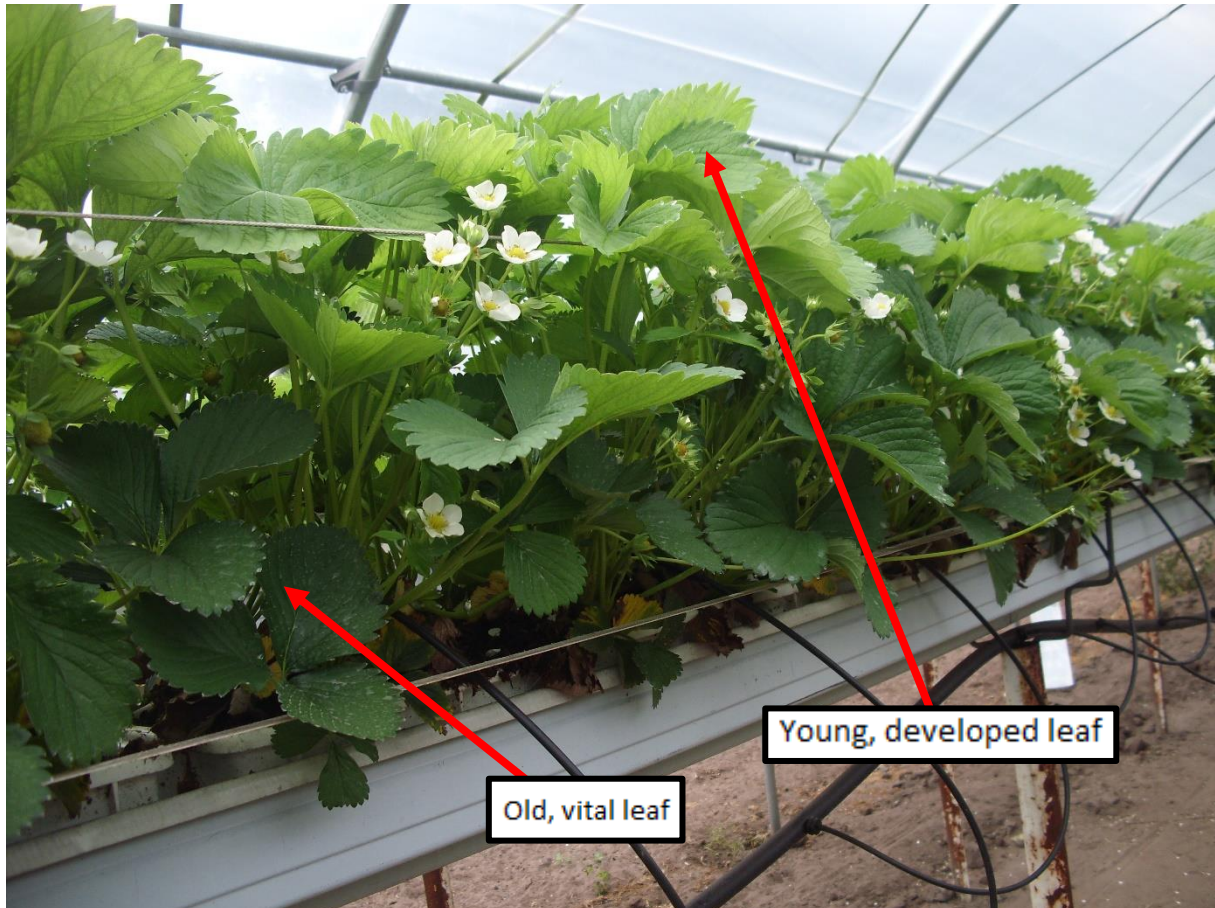
It is not allowed to send in samples that have a fungal, bacterial or virus infection. The leaves must also be free from insects.





Sampling

Pic. 1



Sample size

For an average, representative sample about 50 leaves are needed. Sample size can vary, depending on leaf type (size and thickness). If you are unsure about the sample size, please feel free to contact us.





Sampling tray plants

Pic. 2



1: Young, developed leaf
(sample)

2: Too old, not vital leaf

3: Too young,
undeveloped leaf

4: Old, vital leaf
(sample)

Pic. 3

