

# CUCUMBER

Take the petiole from the first fully expanded leaf - usually the fourth or fifth leaf back from the growing point of the runner, or out from the crown of the plant. BE SURE TO TAKE WHOLE LEAF & STEM (petiole), not just the leaf blade.

Sample at least **40 petioles**, randomly across the block to obtain a representative sample. If the petioles are small, more petioles will need to be collected (see Additional Notes below). Plant part required for testing is the petiole (leaf stalk).

If you require a Sap 4 comprehensive analysis please collect **two times** as many petioles.

## Monitoring program

Begin sampling at pre-flowering stage, fortnightly or monthly to harvest, or sample by crop stage.

## Additional Notes:

- To ensure that the laboratory is able to perform the entire test suite required and that the optimal levels supplied on the laboratory report are relevant, please ensure that the above instructions are followed.



1ST FULLY EXPANDED LEAF

- The sample size of 40 petioles is based on an average petiole of 15 cm in length. If petioles are smaller, more will need to be collected.
- Place samples into a plastic sample bag, not in paper, as paper will dry out the sample and may not allow for enough sap to be extracted for the analysis requested.

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## DIFFERENTIAL SAP ANALYSIS

### Sampling for new leaf and old leaf testing:

- Take the petiole from the first fully expanded leaf - usually the fourth or fifth leaf back from the growing point of the runner. BE SURE TO TAKE WHOLE LEAF & STEM (petiole), not just the leaflets. This will be your NEW LEAF SAMPLE.
- Take the petiole from the from an old leaf from the same growing stem. BE SURE TO TAKE WHOLE LEAF & STEM (petiole), not just the leaflets. This will be your OLD LEAF SAMPLE.
- If the petioles are small, more petioles will need to be collected. If the old leaves are dry, more petioles will need to be collected. The part to be tested is the petiole (leaf stalk).

### Monitoring program:

- Begin sampling at pre-flowering stage, fortnightly or monthly to harvest, or samples by crop stage.



**OLD LEAF**

**NEW LEAF**

(1ST FULLY  
EXPLAINED LEAF)