



Plant sap sampling guide

Kohlrabi



Contact details

NovaCropControl
Gasthuisstraat 20
5061 PB Oisterwijk
The Netherlands
Tel: +3113-5902864

www.novacropcontrol.nl



Collecting and submitting samples

Location

Take the following steps into consideration when collecting leaf samples:

- Avoid the outer rows of the field and the first and last 10 meters of a row.
- Sample leaves with an average leaf quality.
- Sample abnormal plants with (deficiency symptoms) separately. If a deficiency might be present in the young or old leaves of the total crop, sample these leaves separately as a young or old leaf sample.
- Keep in mind 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.

Moisture on the sample

When the leaves are wet on the outside due to dew or rain, they can be dried with a tissue. Leaves have to be dry from the outside to be analyzed, water will have an influence on the results.

Part of the plant

For sampling, pick the **youngest, fully developed, representative leaf** counting from the centre of the plant to the outside. Also pick the **oldest, vital, representative leaf** at the outside of the plant (closer to the ground), see pic. 1+2.



Remove the petioles from the leaf. Petioles can have a significant effect on the analysis of the leaf sample. For the analysis you will have a separate young leaf sample and an old leaf sample. Please cut off the petiole at the point where the leaf dish starts (red line at the picture on the left).





Pic. 1+2



Young,
fully
developed
inner leaf

Old, vital
leaf at the
base of the
plant



Young,
fully
developed
inner leaf

Old, vital
leaf at the
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plant





Sample size

For an average, representative sample about 12 leaves are needed. Sample size can vary depending on leaf type (size and thickness). If you have questions about sample size, please contact us.

Stacking the leaves

To ensure proper processing of the samples, it is important to prepare the samples properly. Stack the leaves as shown below (tomato leaf as an example).



Packing the leaves

Put the leaf sample in the plastic zip-bag. Push out the air inside and close the bag. Put a pre-printed label on the sample bag and fill in the needed information. Make sure the barcode is visible (see pictures below).





Packing the samples

Put all samples in the envelope or box and make sure it fits in a mailbox (max 1.38 inches high).



Sending the samples

The sample zip-lock bags with barcode can be sent in the envelope. If you want to send more than one sample, send together in 1 box. Be sure to put sufficient postage on the envelope or package. Always check the weight. Be sure that envelopes are sealed well. You can put extra tape over the closure to avoid opening during transportation.

We recommend to sample and send the samples the same day. Fedex is recommended, but national post service is also possible (takes more time). Please put \$1.00 as the shipment value on the sample package.

Please send samples to the address below:

NovaCropControl
Gasthuisstraat 20
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