



## Manual plant sap sampling

### *Blueberry*



#### **Contact details**

NovaCropControl  
Gasthuisstraat 20  
5061 PB Oisterwijk  
info@novacropcontrol.nl  
[www.novacropcontrol.nl](http://www.novacropcontrol.nl)



## ***Sampling and sending samples***

### **Location**

Take the following steps into account when collecting leaf samples:

- Avoid the outer rows of the greenhouse or field. 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.
- Take into account 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**

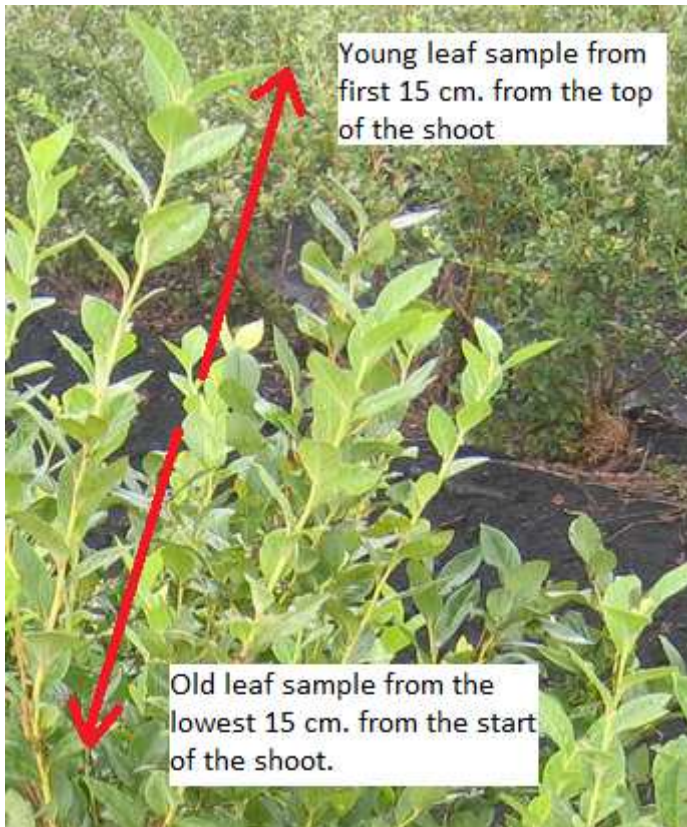
When the leaves are wet on the outside due to dawn or rain, the leaves can be dried with a tissue. Leaves have to be dry from the outside to be analyzed because water will have an influence on the results. Moreover, the leaves will spoil faster if there is water in the sample bag.

### **Part of the plant**

For sampling, take the **youngest, fully developed, representative leaf** from the first 15 cm. from the top of the shoot. Also take the **oldest, vital, representative leaf** from the lowest 15 cm. of the shoot (see pic. 1).

Please remove the petioles from the leaf. These petioles can have a significant effect on the analysis of the leaf sample. So for the analysis you will have an old leaf sample and a young leaf sample.





Pic. 1

### Sample size

In general 60 leaves are enough for a complete analysis (50 young and 50 old leaves), at least 150 grams. This amount depends on type, size and shape of leaves. Might you doubt about the sample size, please contact us.

### Stacking the leaves

To ensure a fluent processing of the samples, it is important to prepare the samples properly. Please stack the leaves as shown below. See the pictures 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 the pictures below.



### Packing the samples

Put all samples in the envelope and make sure it fits in a mailbox (max 3,5 cm. high).



### Sending the samples

The sample zip-lock bags with barcode can be sent in the envelope, in case you want to send more than one sample, please send them together in 1 box, so they will arrive together. Then put sufficient postage on the envelope or package. Always check the weight. Please take care that envelopes are sealed well. You can put an extra tape over the closure to avoid opening during transportation. We recommend to sample crops on Friday and send the same day by DHL or FedEx, then NovaCropControl is receiving your samples in the beginning of the next week. Please put €1.00 as the shipment value on the sample package.

Please send samples to the address below:

**NovaCropControl**  
Gasthuisstraat 20  
5061 PB Oisterwijk  
The Netherlands

