NovaCropControl

Sampling guide

Water



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Sampling of water

NovaCropControl offers nutrient analysis of water samples.

In substrate cultivation, it is recommended to analyse the irrigation water and the drain and/or slab water in addition to plant sap analysis. This provides insight into the nutrient availability and uptake of the crop, allowing the irrigation water composition to be adjusted according to the crop's actual needs.
NovaCropControl can also analyse your input water, such as city water, well water or basin water. The water analyses are accredited according to ISO-17025 (under RVA registration number L 635).

Make sure the bottle is filled completely. Remaining air in the bottle may influence the analysis.


Right


Wrong


Wrong

Cultivations on substrate:

- **Irrigation water**
  An irrigation water sample can be taken by placing one or two drippers into the sample bottle (see picture on the next page) and allowing the bottle to fill completely during an irrigation cycle.

- **Drain water**
  A drain water sample can be collected from the drain gutter or drain pit. If you use drain water recirculation, we also recommend taking a sample from the clean drain tank. This provides a more accurate basis for calculating fertilizer recipes.



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- **Slab water**
  A slab water sample can be taken using a syringe to extract water directly from the substrate (see picture below). Always sample from the same location within the slab to ensure consistent results. For example, sample from the lowest side of the slab, halfway between two planting holes in the middle section of the slab. To obtain a representative sample, collect water from 10-15 different slabs and combine these into one sample.

Irrigation water sample



Slab water sample



- **Input water (well water, rainwater, city water)**
  A well water sample should be taken after the pump has been running continuously for at least 30 minutes. This ensures the sample is representative of the groundwater, rather than stagnant water that has been standing in the well or pipework.
  A rainwater sample can be taken directly from the rainwater basin or reservoir.
  A city water sample can be taken directly from the tap.

  If you would like to determine the iron concentration in the well water, please write “+ Fe in acid” on the sample bottle label. This requires an additional analysis. Please note that a separate invoice will be issued afterwards for a blank analysis! This test is not accredited.

Open field cultivations:

- **Irrigation water**
  An irrigation water sample can be taken from a tap point in the irrigation pipe. Open the tap during a normal irrigation cycle and allow the bottle to fill completely to obtain a representative sample.

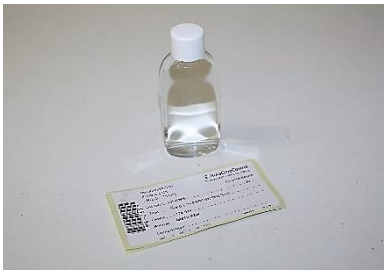
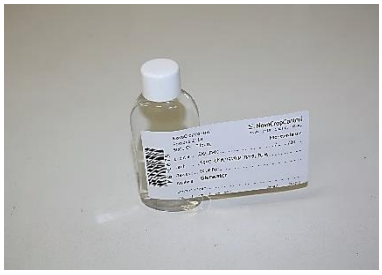
- **Input water (well water, rainwater, city water)**
  A well water sample should be taken after the pump has been running continuously for at least 30 minutes. This ensures the sample is representative of the groundwater, rather than stagnant water that has been standing in the well or pipework.
  A rainwater sample can be taken directly from the rainwater basin or reservoir.
  A city water sample can be taken directly from the tap.

  If you would like to determine the iron concentration in the well water, please write “+ Fe in acid” on the sample bottle label. This requires an additional analysis. Please note that a separate invoice will be issued afterwards for a blank analysis! This test is not accredited.



Applying labels
After taking the sample, securely close the bottle with the cap and turn it upside down to check that no air remains inside. Fill in the labels and attach them to the bottle. We recommend using pre-printed labels, as these save time and reduce the risk of errors. Please let us know if you need help with setting up pre-printed labels.

Apply the sticker on the bottle as displayed below, ensuring the barcode is clearly visible and can be scanned easily**.**


Sending of samples

Please consider the following when sending samples:

- Place all samples in one NovaCropControl envelope or one box to ensure all samples arrive at the same time. Please note that separate packages shipped on the same day may arrive on different days.
- Make sure the package is securely sealed. We recommend reinforcing the closure with tape.
- Ensure that sufficient postage is applied to envelopes and mailbox packages.
- Larger quantities of sample that do not fit in envelopes can be packaged in a box with sufficient postage.
- When shipping samples from outside the EU, please consult our shipment to avoid delays during customs clearance. This guide is available on our website.

Shipping address

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The Netherlands



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