NovaCropControl
Gespecialiseerd in plantsapmetingen

User manual data platform Bemesting-Online



www.novacropcontrol.nl

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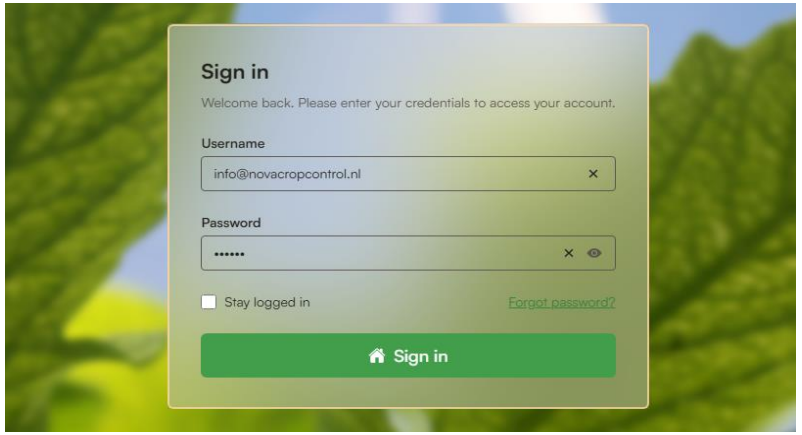


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Login

Go to www.bemesting-online.nl or click the green **Data Platform** button in the top-right corner of our website: www.novacropcontrol.nl.

Log in using your username and password. Don't have an account yet? Contact us by email and we will create an account for you.



Home Page

At **Data / Analysis** you can view company information, locations, and analysis results associated with the corresponding samples.

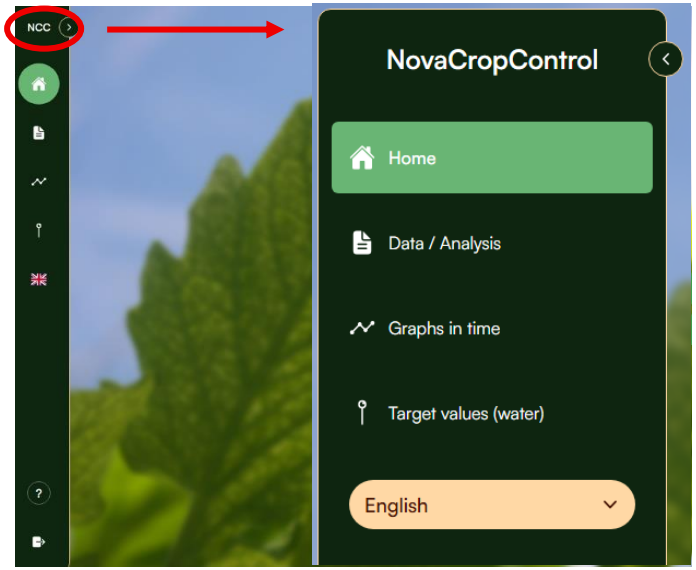
At **Graphs in time** you find an overview of all cultivations. It allows you to create one or more graph series per analysed element.

At **Target Values** you can create your own target values for water analyses.

You can alter language settings.

For support, our contact details can be found at the questions mark below.

Click the icon at the bottom of the page to log out.





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Company information

At **Data / Analyses**, you will find an overview of all companies assigned to your user account.
Here you can view stored information such as company addresses, contact persons, and email addresses.

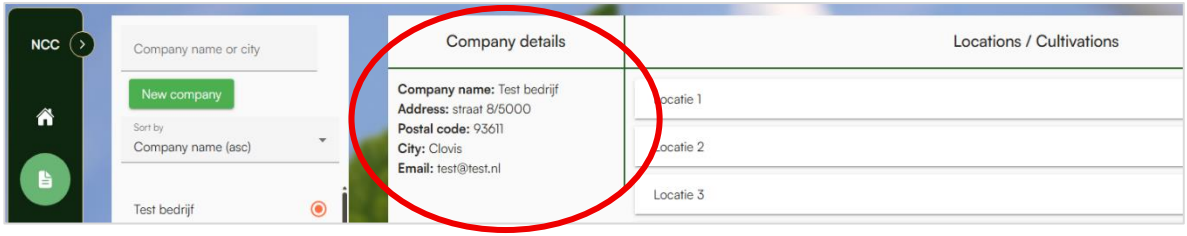
On the right-hand side of the page, you will find the various locations, along with their associated cultivations and analyses. By using the **Samples** button next to each crop name, you can view the analyses associated with that crop; these will appear in a pop-up window.

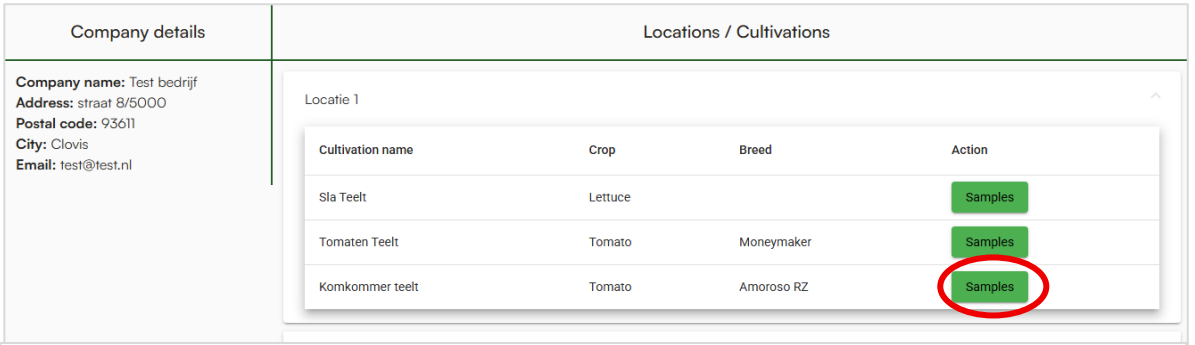
For each analysis, the sample date, sample type, and sample number are displayed.

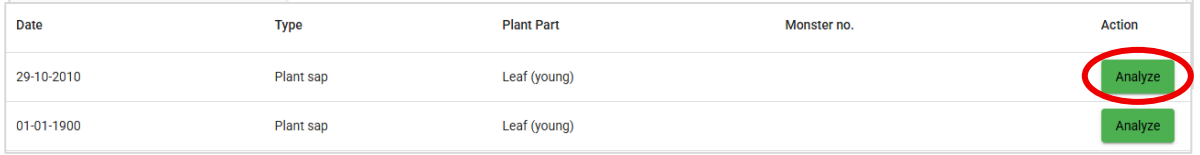
The sample number indicates which labels have already been used. Samples that do not have a sample number have not yet been analyzed and are therefore still unused.

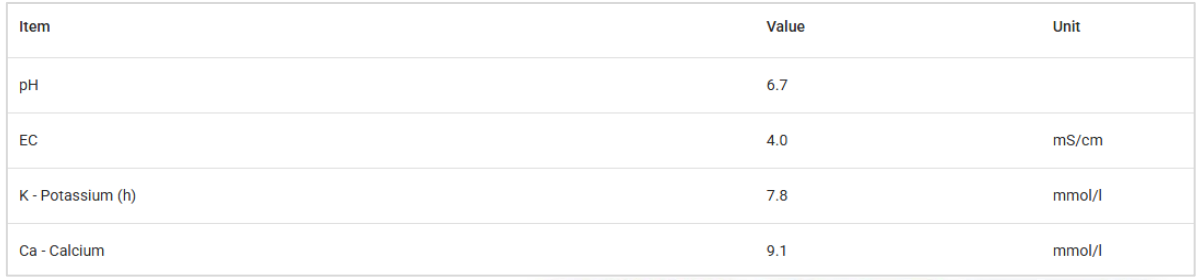
Clicking on **Analysis** displays the analysis results for each element.

Clicking the **Home** icon in the left-hand menu will return you to the home page.











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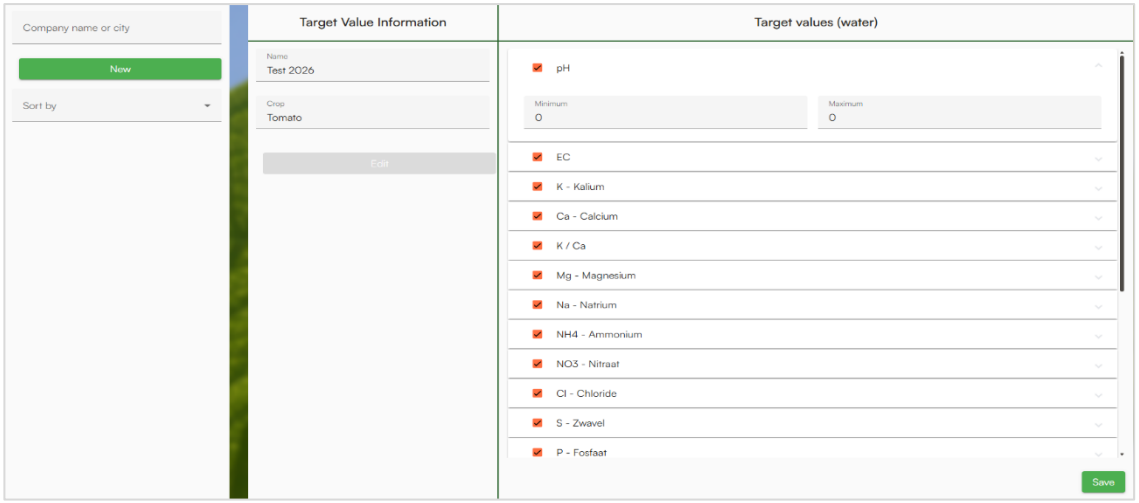
Target values for water samples

For plant sap, target values are automatically displayed in the charts whenever they are known for the specific crop in question.

For irrigation water, you can manually enter target values for each individual element. To do this, click on **Target values (water)** in the left-hand panel.

Click **New**, then enter a name and the crop type for the new set of target values.
Click on an element to enter the desired target values for that specific element. If no value is entered for an element, it will simply be excluded when the target values are generated. (In other words, you do not need to deselect the elements.)
Once you have filled in all the relevant fields, save your custom target values by clicking the **Save** button in the bottom-right corner.

The custom target values you have created are account-specific; they are not linked to a particular company or cultivation project. These custom target values can be added when generating charts, as explained in further detail below.





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Step-by-step guide on making graphs

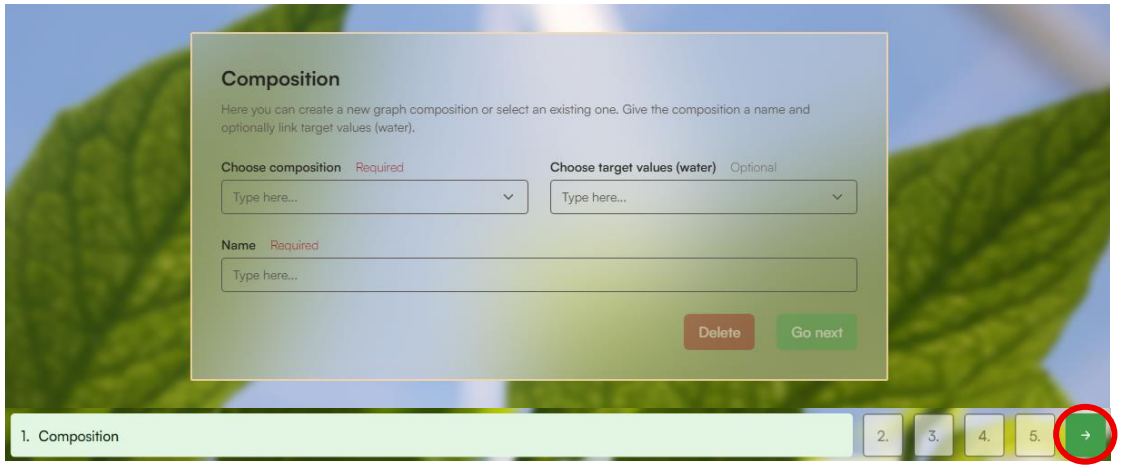
Navigate to **Graphs Over Time**.

1. Composition

To create a new configuration/graph, click **New** under **Choose composition**. Then, enter a name for the graph in the **Name** field.

Under **Choose Target Values (Water)**, you can add your custom target values so they will be displayed in the water graphs.

Click **Go Next** or use the arrow in the bottom-right corner to proceed.



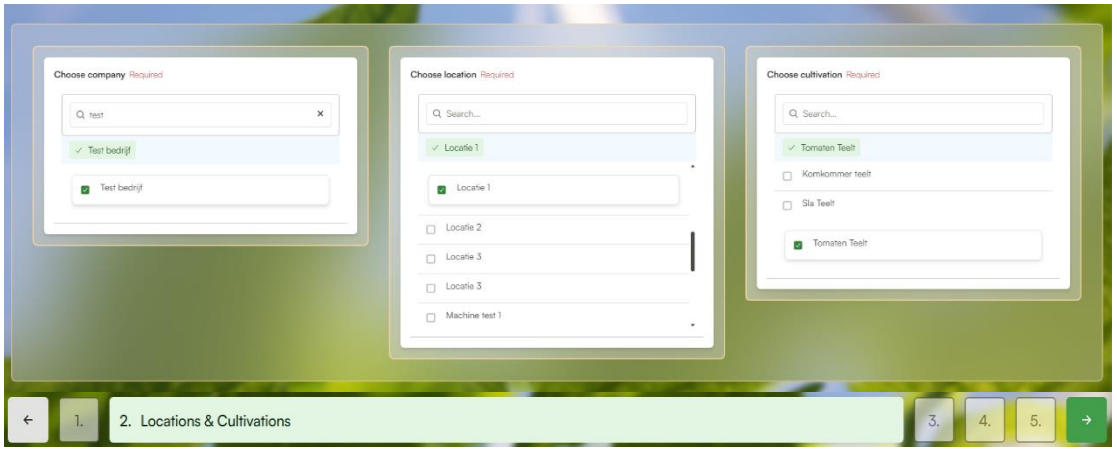
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2. Locations & cultivations

Here, you can select the data to be displayed in the chart.

Under **Choose company**, select the appropriate company, then select the relevant location under **Choose location**. Next, under **Choose crop**, select the specific crop you wish to see in the chart.
If necessary, you can repeat these steps to include multiple companies, locations, and/or crops in the same chart. Your selections will be highlighted in green.

Click the arrow in the bottom-right corner to proceed to the next menu.





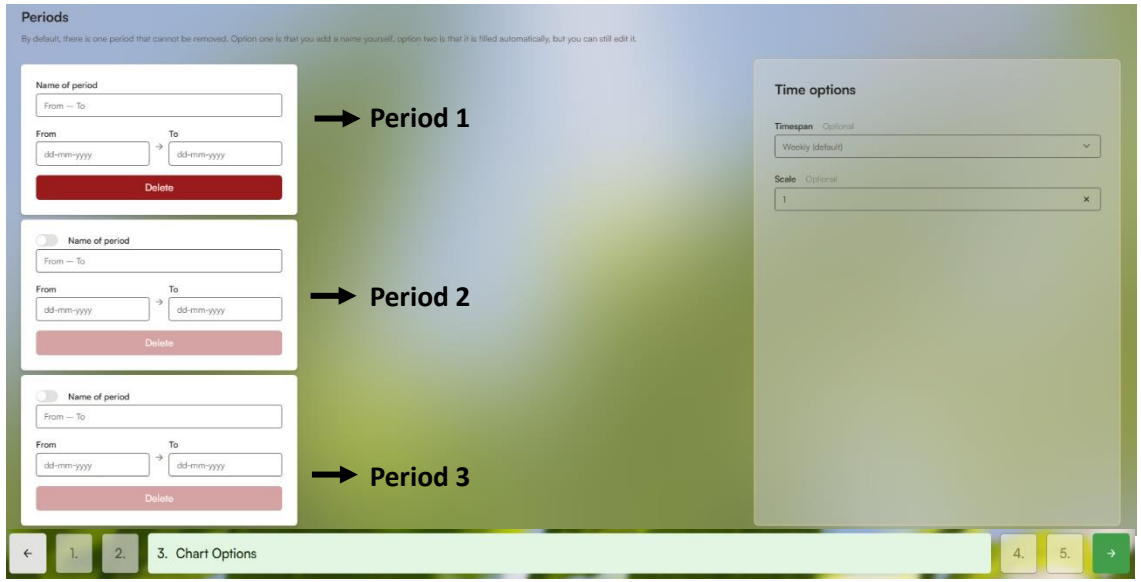
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3. Chart options

Here, you can adjust the time period for which data is displayed in the graph.

Use the **from** and **to** fields to select the dates for the period you wish to view in the graph. You can enter the dates manually or use the calendar tool. Then, click **Done**.
You can also assign a custom name to the period in the **Period name** field. If left blank, the selected dates will be used as the name automatically.

You may select up to three periods simultaneously. To add an additional period, simply select the box for the next period. When a second or third period is added, a "2" or "3" will appear before the crop name.
Adding an extra period allows you to clearly display multiple crop cycles—which occur annually during the same timeframe—within a single graph. If your selection includes multiple years for a given period, these will be displayed side-by-side in the graph.



On the right-hand side, under **Time options**, you can adjust the graph's display format (by day, week, month, or year). You can also modify the scale; a larger scale setting results in fewer dates appearing along the x-axis. Note, however, that this does not affect the actual number of data points shown in the graph.

Click the arrow in the bottom-right corner to proceed to the next menu.



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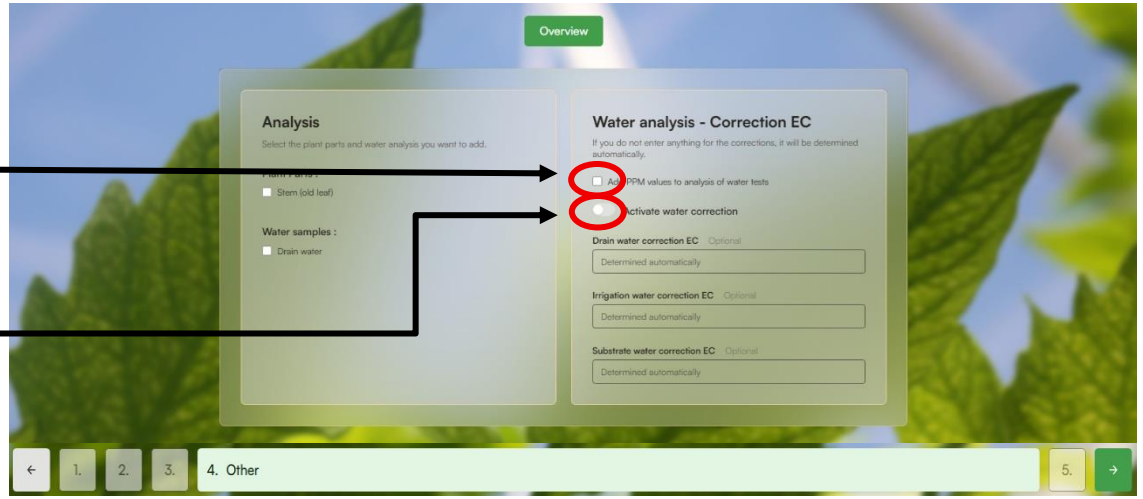
4. Other

At **Analysis**, you can select which plant parts and water types you want to display in the graphs.

Water values are automatically displayed in mmol/l, but it is also possible to view them in PPM. To do this, check the box 'Include PPM values in water test analysis' under **Water analysis – Correction EC**.

You can also adjust the measured values from water analyses based on a reference EC. To do so, select 'Activate EC correction' and enter the desired reference EC value for the relevant water source. The graph will then display only the values adjusted to this reference EC.

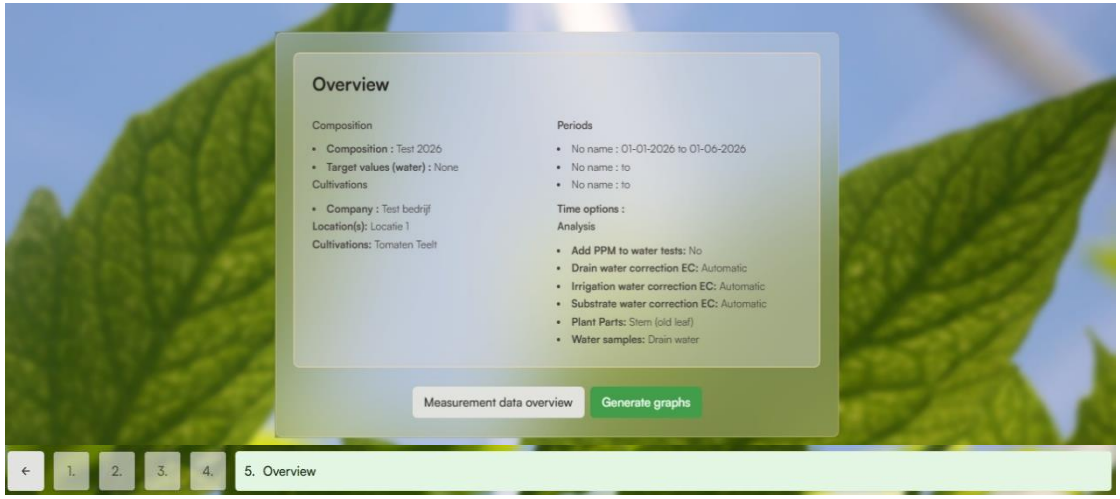
Click the arrow in the bottom-right corner to proceed to the next menu.



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5. Overview

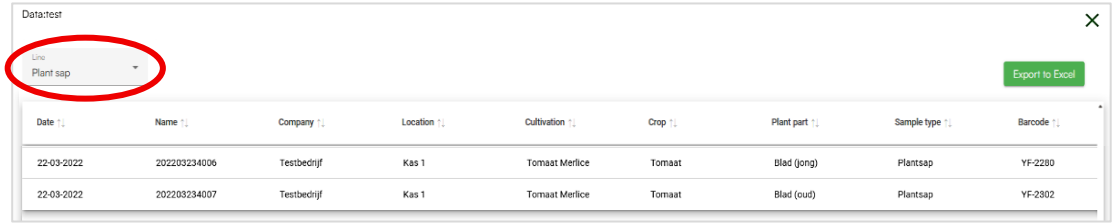
This page provides an overview of all selections made. You can still make adjustments by clicking on one of the numbers in the bar at the bottom. Click on number 5 again to view your adjustments.



Once your selection is correct, click **Generate graphs** to create the charts. See pages 11 through 14 for more information.

Click **Measurement data overview** to generate an Excel file containing the selected data. (You can also do this after generating the charts; see page 14.) A pop-up window will display the analyses corresponding to your selection, shown separately for plant sap and water. You can adjust which analyses are visible using the **Line** option in the top-left corner. Please note: all different types of water are displayed separately.

Click **Export to Excel** to download an Excel file of the selected samples. Plant sap data and water data are presented on two separate tabs; however, all types of water data are grouped together on the same tab.





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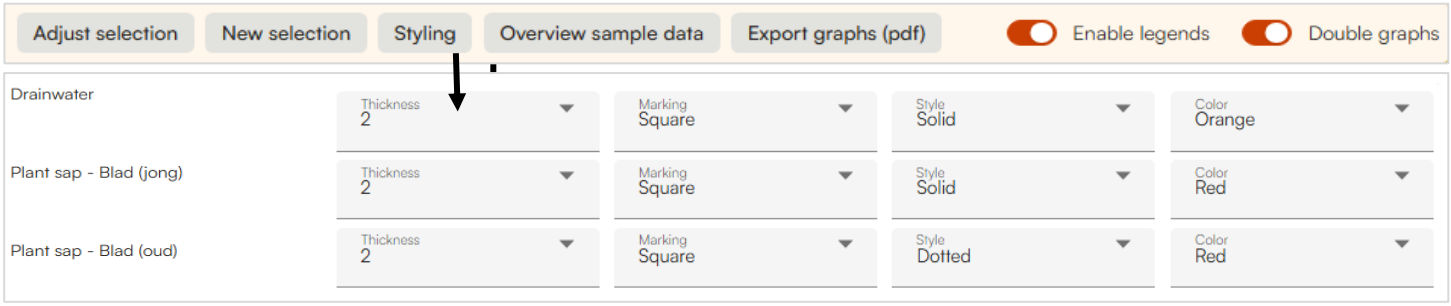
Graphs and additional tools

Charts and additional support tools

Once a graph has been generated, it is saved automatically. The next time you log in, you can find it on the home screen under **Graphs in time** by selecting **Choose composition**. The graph must be regenerated each time; you can do this by skipping directly to step 5 and clicking **Generate graphs**. You may also make adjustments before regenerating the graph.

It is also possible to make adjustments after a chart has been generated by clicking **Adjust selection** at the top of the panel. This reopens the menu used to create a chart. By clicking **New selection**, you can create a new chart or view a previously created one.

Click **Styling** in the top bar to adjust the thickness, markers, style, and color of the lines.



Hovering the mouse over a data point reveals **additional information**, such as the measured value, the sample date, and the location name.

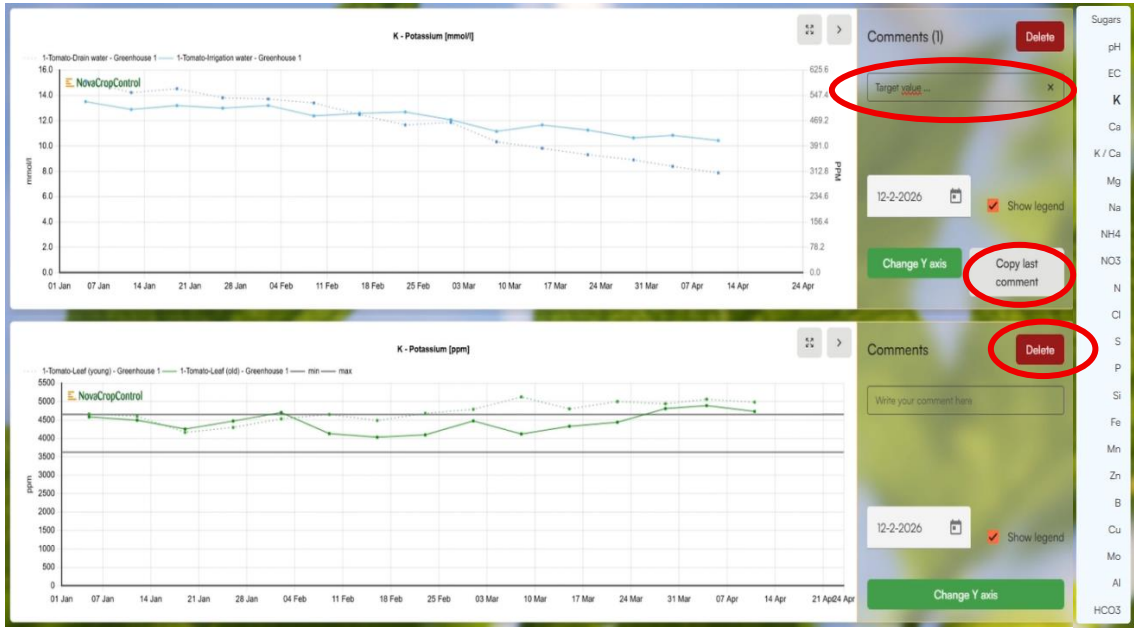
Easily scroll through the elements by clicking on them in the right-hand sidebar.



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Add comments

It is possible to add comments to a chart. You can enter a comment in the field located under **Comments**, to the right of the charts. Each comment is linked to a specific date shown in the calendar—by default, this is the current date. You can also select a different date in the calendar to add a comment for a past date. If you wish, you can easily copy the previous comment to the current date by clicking **Copy last comment**. To delete a comment, click **Delete** in the top-right corner. You can view past comments by selecting the relevant date in the calendar. Any date that has a comment attached to it will be marked with a circle. The number of comments added to a chart is displayed in parentheses next to the **Comments** heading.

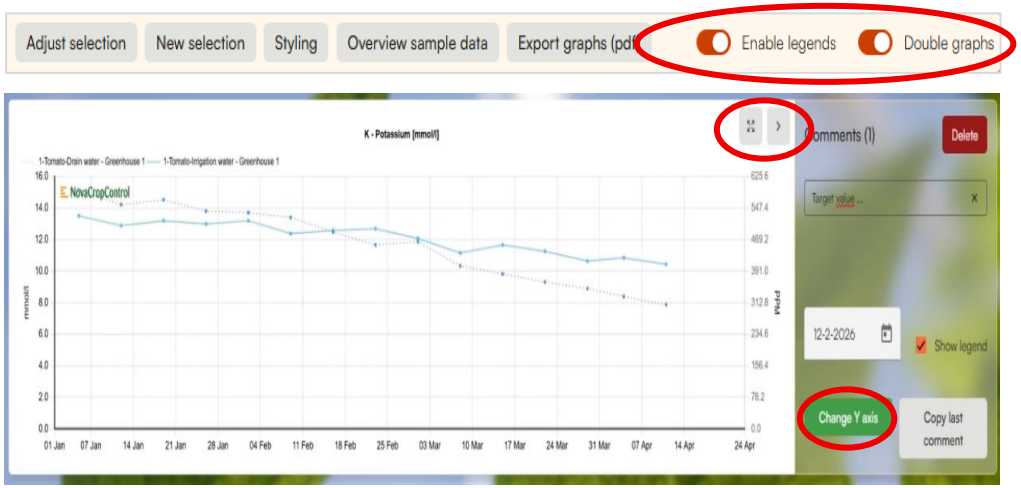






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Display of charts



By using the **Legends** toggle, you can show or hide the legends for all charts. You can also do this for individual charts by unchecking **Legend** to the right of the specific chart. Hiding the legend allows the chart to be displayed in a larger size.

The **Double graphs** toggle allows you to display either one or two charts on the screen simultaneously. A single chart per page provides a larger, clearer view, while displaying two charts side-by-side makes it easier to compare water and plant sap data.

Select a specific section of a chart to **zoom in** on a particular time period. Double-click the chart to return to the original view.

Additionally, you can **enlarge a chart** by hiding the comments. Simply click the arrow icon located in the top-right corner of the chart. You can also enlarge the chart by clicking the icon with four arrows, also found in the top-right corner. In the pop-up window that appears, you have the option to **download the chart as an image**. Click outside the chart area to return to the previous view.

Adjusting the Y-axis

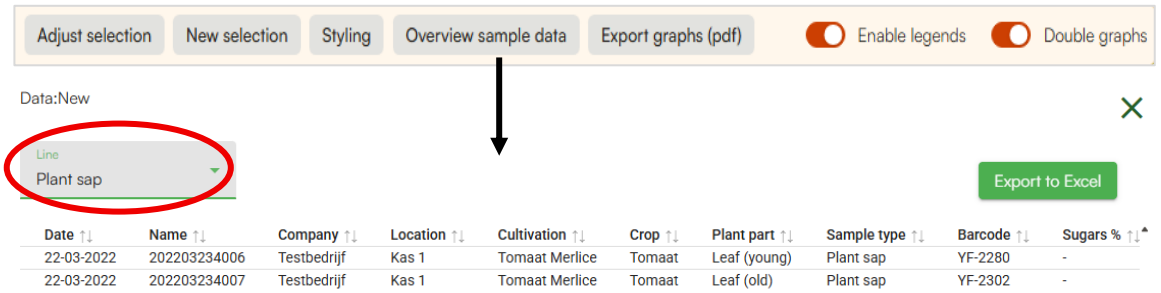
You can adjust the Y-axis to gain a better view of a specific range of measurements. To do this, click **Adjust Y-axis** next to the chart. Enter the desired axis values and click **Apply**. To undo these changes, click **Adjust Y-axis** again and then select **Reset**.



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Exporting measurement data and graphs

Even after generating a graph, you can still view a summary of the selected analyses by clicking on **Overview sample data**. A pop-up window will display the analyses included in your selection. These are shown separately for plant sap and water; you can adjust which analyses are visible using the **Line** menu in the top-left corner. Please note that all different types of water are listed separately. You can then click **Export to Excel** to export the data to an Excel file. The plant sap data and water data will appear on two separate tabs, with all types of water data grouped together on the same tab.



Click on **Export graphs (PDF)** to generate a PDF containing all the charts. This makes it easy to share the data. A pop-up window will appear, allowing you to select a date. This date is used to filter the comments included in the exported PDF; only comments from the selected date will be added to the charts.



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