

# Analyze Feature for QuickScan

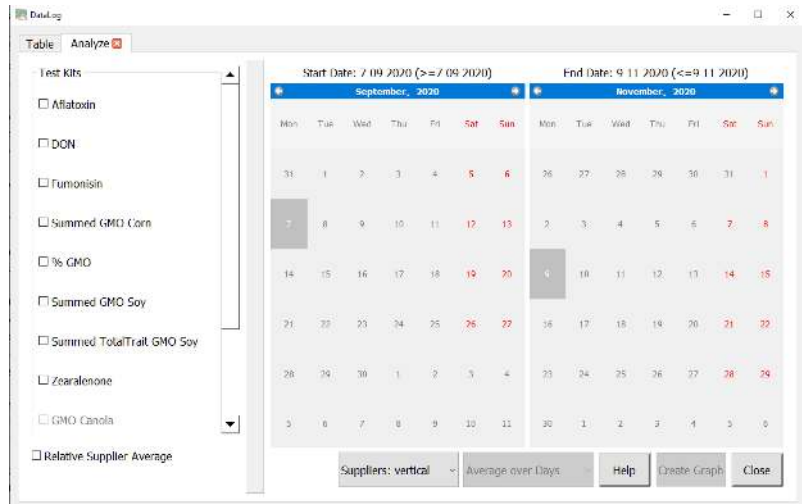
This document explains the Analyze functionality available for QuickScan II, including new features enabled with the latest Version 5.3 software.

The data Analyze feature allows you to view averages and running averages for each test kit and one or more suppliers over an interval of time.

From the DataLog, click Analyze button to open the Analyze tab:



You'll see a display like this:

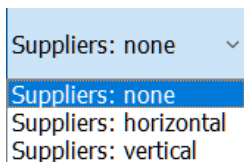
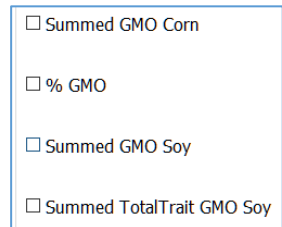


**Test Kits:** Displays all possible test kits for analyzing. Only tests kits with data in the DataLog are enabled.

- Aflatoxin, DON, Fumonisin, GMO Canola, GMO Hay, Ochratoxin, T2/HT2, and Zearalenone utilize result data per strip.
- Summed GMO Corn and Summed GMO Soy: the result utilized for analysis is the *sum* of all corn GMO kits or all soy GMO kits read within the same scan

(they will have the same date and time stamp). For example, if AQ-036 13-A and AQ-074 BG are scanned together, the program will sum the results together for the comb and the strip – this sum is used in the analysis. Individual corn and soy analytes are not analyzed separately.

In addition to Summed GMO Corn and Summed GMO Soy, there are other selections to choose for showing amount of GMO. These will only be enabled if tests have been run with these conditions.

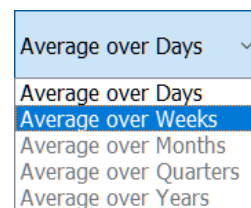


**Relative Supplier Average:** Only enabled if Horizontal or Vertical suppliers is selected. Calculates supplier averages relative to overall average. The supplier bars will show the suppliers relative (percentage) contribution instead of absolute values.

- *Horizontal:* All suppliers are visible, shown with one bar per supplier. Average and running average are shown as separate bars.
- *Vertical:* Only suppliers with positive results are shown. Suppliers at same time period are shown on top of each other in the same bar. The average and running average values are shown as curves crossing the bars.

- *None*: Suppliers are not included in the graph. Only amount, average and running average are shown.

**Average over [time period]:** Will show average as selected. Only possible options are enabled (depending on time period of your data). In example shown, only average over days and weeks is possible to select. Because of lack of data, Months, Quarters and Years are “grayed out” and unselectable.

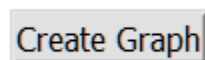


### Start Date and End Date

The calendars will show the first and last date the kit was scanned, for example: from (>= 7 09 2020) to (<= 22 09 2020). Select the desired time range for analysis by selecting dates from each calendar within the available range. The selected dates will appear above each calendar.

### Creating a graph

When one or more test kits have been selected, allowable dates are able to be selected. After dates have been selected, you must select average type, how suppliers shall be shown in the graph, and time period for averaging. When all is set, click on Create Graph button:

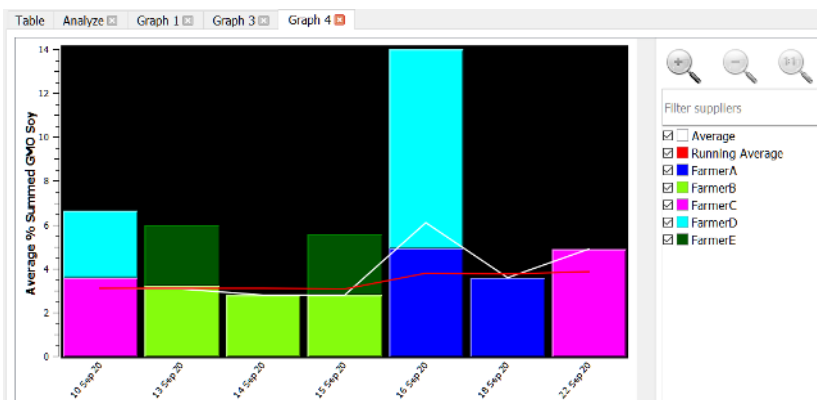


The created graph will be opened in a new tab. Each test kit selected will have its own graph. You can adjust and/or change all selections and create another graph based on this. Each newly created graph will be opened in a new tab. Graphs are deleted by clicking on the red cross in the Graph tab, or when the Analyze or DataLog tabs are closed.

### Graph

Creates a graph as described above.

*Example of created graph:* The example shows the selections Test Kit “Summed GMO Soy,” vertical suppliers, and average over days, returning a graph similar to the one shown. Each supplier is displayed with a colored section in the bar for each day. Only suppliers with a detected amount of GMO will show a bar. Height of a section depends on amount of GMO. All suppliers tested (having a sample in the DataLog) will be listed.



The daily average is indicated with the white line crossing the whole graph area, whereas the running average is indicated with the red line (if selected).

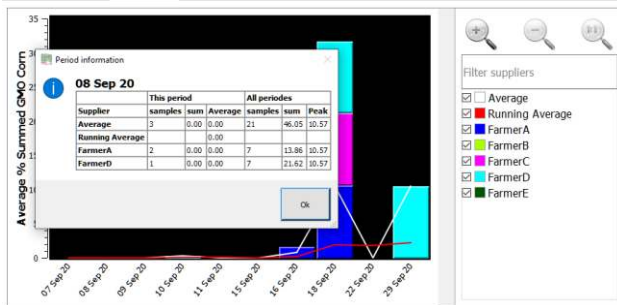
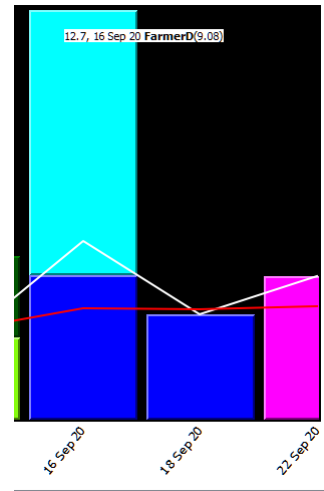
The daily average is indicated with the white line crossing the whole graph area, whereas the running average is indicated with the red line (if selected).

- *Average*: Shows the average data for a period. E.g. for a day if **Average over days** has been selected.
- *Running Average*: Shows the running (accumulated) average data (average from start date until current date). E.g. If **Average over days** has been selected, start date Sept 7<sup>th</sup> 2020 and current date where you are in the graph is Sept 20<sup>th</sup>, the running average will be the average of all days in this period.



You can zoom in and out using the symbols (shown), or by selecting an area in the graph with a mouse.

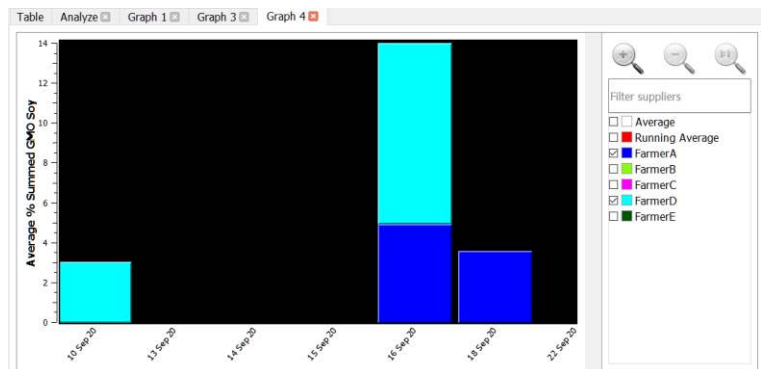
By holding the mouse over a section, a popup will show the date and supplier, sample amount, and average amount on that day. Moving mouse upwards inside the same section will show the accumulated amount. By right clicking (anywhere in a bar), an overview of all suppliers in that period (e.g. day), including those with samples with no GMO, will be shown.



If you have a period with no visible suppliers, i.e. no bars, meaning that samples have been taken, but the amount of measured analyte is 0, you can still get an overview as above if you right click in the black area of that date.

You can filter suppliers by name or right click in “Filter suppliers” field and select one of the options displayed.

By first clearing all suppliers, you can select and display just a few suppliers you are interested in:



### Change color:

The color of all bars and curves can be changed (and remembered) with a right click on the legend.