

Graph Weather Data



General Trial | Objectives/Conclusions | Contacts | Crop Descriptions | Pest Descriptions | Site and Design | Administration | Soil | Weather | Applications | Crop Stage at Appl | Pest Stage at Appl | Appl. Efficacy

Weather Conditions

Insert row with Shift+F7. Delete current row with Shift+F8

No.	Date	Moisture	Total	Unit	Precipitation	Unit	Type	Precipitation	Unit	Temp	Temp	Temp	30Y	30Y	30Y	% Relative	Min	Avg	Max		
1	Apr-8-2014	0	IN	IN	0	IN	RAIN	0.07	IN	33	53	42	F	36	49	40	F	65	4	19	12
2	Apr-9-2014	0	IN	IN	0	IN	RAIN	0.08	IN	35	78	56	F	37	50	40	F	64	9	21	15
3	Apr-10-2014	0	IN	IN	0	IN	RAIN	0.09	IN	38	69	50	F	37	50	41	F	67	5	23	14
4	Apr-11-2014	0.031	IN	IN	0.031	IN	RAIN	0.09	IN	38	66	53	F	32	51	42	F	64	3	19	8
5	Apr-12-2014	0	IN	IN	0	IN	RAIN	0.08	IN	44	68	50	F	33	52	43	F	62	4	18	7
6	Apr-13-2014	0.08	IN	IN	0.08	IN	RAIN	0.08	IN	44	68	50	F	33	52	43	F	62	4	18	7
7	Apr-14-2014	0	IN	IN	0	IN	RAIN	0.08	IN	44	68	50	F	33	52	43	F	62	4	18	7
8	Apr-15-2014	0	IN	IN	0	IN	RAIN	0.08	IN	44	68	50	F	33	52	43	F	62	4	18	7
9	Apr-16-2014	0.23	IN	IN	0.23	IN	RAIN	0.08	IN	44	68	50	F	33	52	43	F	62	4	18	7
10	Apr-17-2014	0	IN	IN	0	IN	RAIN	0.08	IN	44	68	50	F	33	52	43	F	62	4	18	7
11	Apr-18-2014	0	IN	IN	0	IN	RAIN	0.08	IN	44	68	50	F	33	52	43	F	62	4	18	7
12	Apr-19-2014	0	IN	IN	0	IN	RAIN	0.07	IN	38	65	57	F	37	36	47	F	69	3	25	14
13	Apr-20-2014	0	IN	IN	0	IN	RAIN	0.07	IN	44	79	63	F	37	37	47	F	61	6	16	15
14	Apr-21-2014	0.08	IN	IN	0.08	IN	RAIN	0.07	IN	44	79	63	F	37	37	47	F	61	6	16	15
15	Apr-22-2014	0	IN	IN	0	IN	RAIN	0.07	IN	44	79	63	F	37	37	47	F	61	6	16	15
16	Apr-23-2014	0.08	IN	IN	0.08	IN	RAIN	0.07	IN	44	79	63	F	37	37	47	F	61	6	16	15
17	Apr-24-2014	0.43	IN	IN	0.43	IN	RAIN	0.07	IN	44	69	56	F	38	58	49	F	62	5	17	8
18	Apr-25-2014	0.02	IN	IN	0.02	IN	RAIN	0.07	IN	44	69	56	F	38	58	49	F	62	5	17	8
19	Apr-26-2014	0.03	IN	IN	0.03	IN	RAIN	0.08	IN	44	61	50	F	39	58	49	F	62	5	17	8

Import Custom Weather Data from CSV

Import Weather Data from Iteris ClearAg

Visualize daily weather stored in a trial with the weather graph tool in ARM.

We begin in a trial that already has weather data. For instructions on importing weather from another source, watch these tutorial videos.

File Edit Format Tools Table Utilities Window Graph Add-Ins Help

Site Description

General Trial | Objectives/Conclusions | Contacts | Crop Descriptions

Weather Conditions

Insert row with Shift+F7. Delete current row with Shift+F8

Graph

- New...
- Open...
- View
- Design | Maintenance | Soil | Weather
- Weather Data
- New Weather Graph...
- Load Weather Graph...

No.	Date	Moisture	Total	Unit	Precipitation	Unit	Type	Precipitation	Unit	Temp	Temp	Temp	30Y	30Y	30Y	% Relative	Min	Avg	Max		
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To create a weather graph, you can use the Graph menu to either create a new weather graph or load options previously saved. Or we can also click this Weather Conditions button.

New Weather Graph

Data Series 1 Data Series 2

Field: Avg Temp Precipitation None

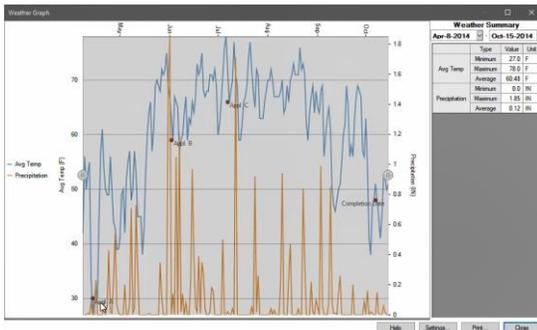
Type: Line Line

Y Axis: Left Right Left Right

Left Y Axis Label: Avg Temp Right Y Axis Label: Precipitation

These options set what information we will plot on the various graphs on the screen. Let's start by just plotting the average temperature as a line graph on the left axis.

We can also plot precipitation and use the right Y-axis to plot different units. We will keep it simple this first time, so press OK.



Here we have the graph where the blue is the average temperature, we use the axis to the left.

On the right we have the precipitation: totally different units, and that is on the right, and is the orange lines here.

For the first graph there is also the significant dates plotted. The applications, and the completion date, are visible in our range of weather dates. To the right is a summary of the data that we have included on this graph.

Let's go back and add another graph to this dialogue, by using the Settings button below.

Data Series 1 Data Series 2

Field: Precipitation 30Y Precipitation

Type: Line (Total) Line (Total)

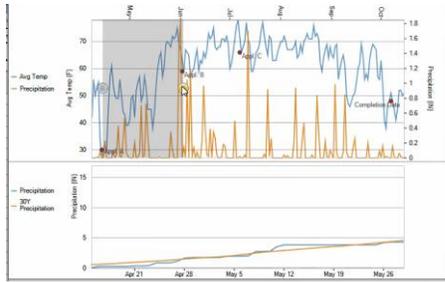
Y Axis: Left Right Left Right

Left Y Axis Label: Precipitation Right Y Axis Label:

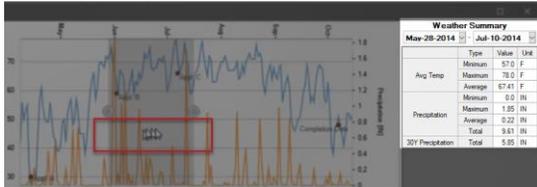
We can turn on a second graph, and choose a different set of fields. This time we will use precipitation, but we have under the Type, we can do a total. So this will provide the cumulative precipitation throughout the season.

Maybe we want to compare that with the 30-year average (also the cumulative). These would be the same unit so we can keep them both with the same left Y-axis. Just tweak the label to general 'Precipitation'.

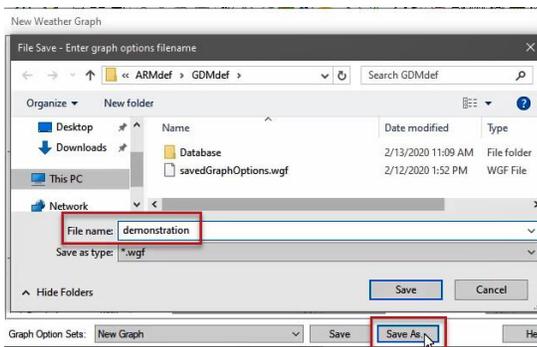
Graph Weather Data



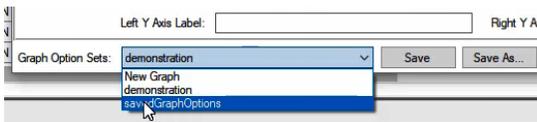
Now view the second graph, keeping the first graph visible as well. The first graph contains an interactive range selection. So you can drag and highlight just a certain section of the total data range. You can see the other graphs will update their range to just the highlighted range and the summaries change as well.



If I move the window over, now the selected dates change. And the values change as well to only be summarizing in our selected range. You can also manually choose different dates if you needed a more fine-tuned selection.

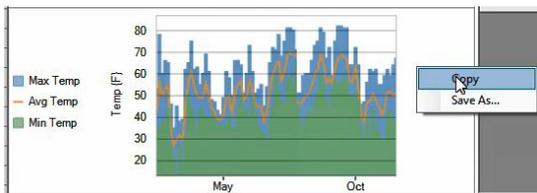


Once you have the graphs set the way you like, back on the settings we can save the selections to a file so that way ARM can remember this next time. Graph Option Set > choose Save As, and give this a name. This will be saved in the GDMdef folder.

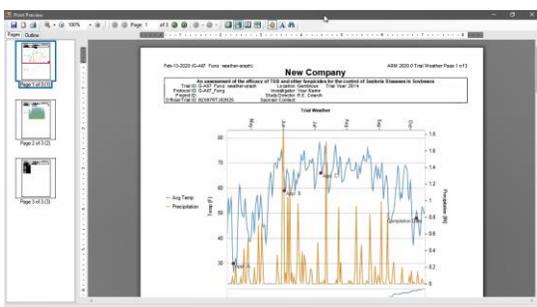


Now it's easy to choose from the drop down - here I have a different set that I have saved previously. That changes all of the options and it's simple to go back, or start all over with New Graph.

Using the options I saved before, it's easy to bring up the new set of graphs.



Finally, to utilize these graphs in a different program, you can right click on an individual graph to copy that image to the clipboard. Then you can paste it into PowerPoint, Word document, or an email.



There's also a Print option where we can create a report with these graphs. I will just preview this on-screen: and here we can see the graphs we created, as well as the summary at the bottom.

You could easily send this out to Word or Excel as well, if you wanted all of those graphs at once, or to utilize that summary table in a different program.