

2023 Midwest Wine Grape Berry Composition Report: Week 2

Welcome to week 2 of the Midwest Wine Grape Berry Composition Report!

In this week's report, we posted both the week 1 and week 2 data. The data from the same sites have been subdivided with shading as well.

While it's difficult to generalize ripening when we are dealing with several sites and cultivars, I will try and highlight a few trends.

The pH did not change as much as I had anticipated it might. However, there were considerable increases in pH in the Jo Daviess County, Illinois samples. While most samples had moderate increases in brix and decrease in TA, this was more pronounced in the samples from our more northern sites in Webster County (IA) and Jo Daviess County (IL).

There are some reports of Brianna being harvested in central Iowa, along with some growers watching their Edelweiss very closely. The forecast next week looks warm, so that could have the potential to advance ripening more quickly.

There is a good chance next week that we will start picking the early harvests for the Vine to Wine project that the Midwest Grape and Wine Industry Institute (MGWII) and I are working on with Frontenac Blanc and La Crescent. We will be harvesting those plots at three different times during the season. If you were not at the 2023 Iowa Specialty Producers Conference, the participants did some sensory analysis from the 2022 La Crescent wines that the MGWII made from the fruit harvested at different times. Some of the results I discussed in part of the [Optimum ripeness parameters](#) webinar.

Please don't hesitate to contact us with suggestions on how to improve our report!

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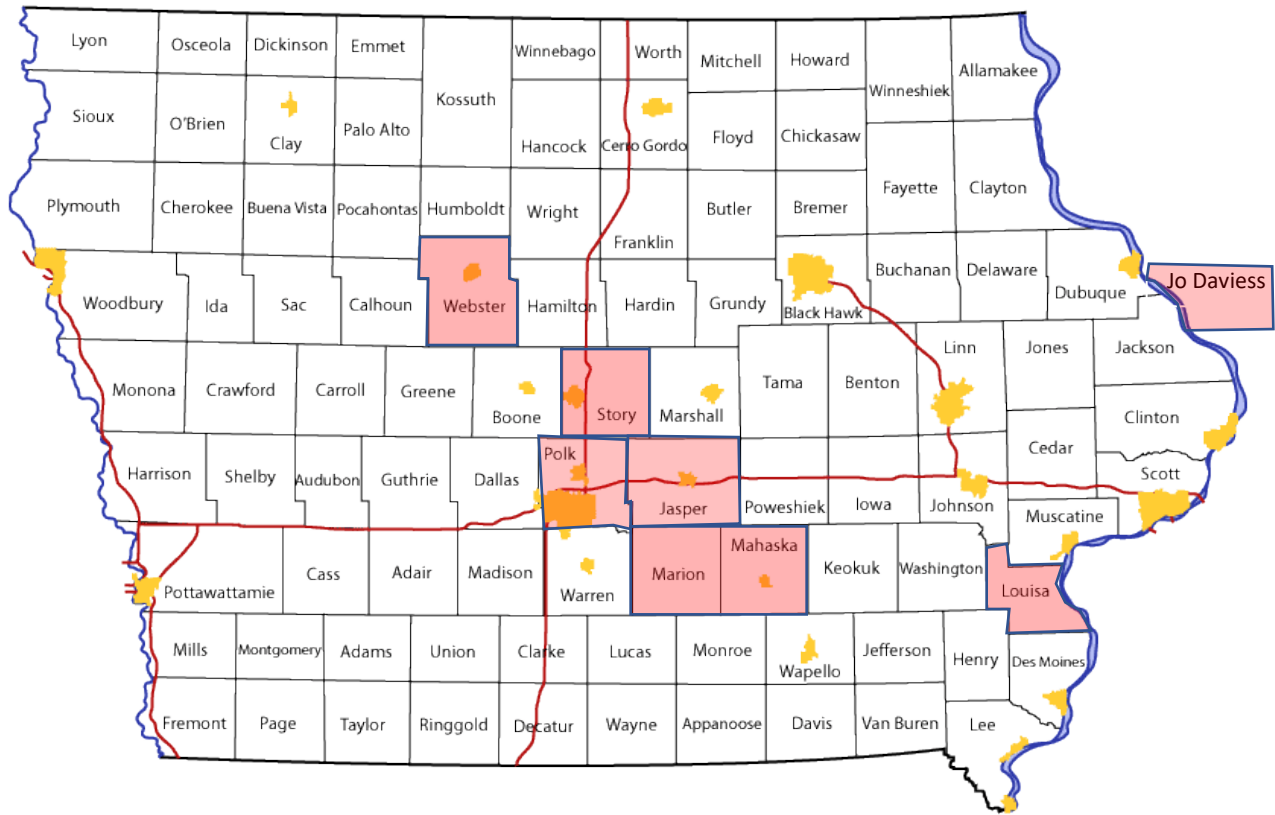
<https://www.instagram.com/iowafuitguy/>
<https://www.facebook.com/ISUExtensionFruit>

Brianna						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/4	Jo Daviess	IL	9.8	2.89	17.4	2.05
8/11	Jo Daviess	IL	11.6	3.23	12.5	1.85
8/10	Mahaska	IA	14.0	3.12	12.7	2.51
8/14	Mahaska	IA	15.4	3.11	10.0	2.50
8/6	Webster	IA	10.4	2.91	23.0	2.07
8/13	Webster	IA	13.9	3.08	12.7	3.00
Crimson Pearl						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/10	Mahaska	IA	14.8	2.93	14.5	1.31
8/14	Mahaska	IA	15.7	2.90	13.4	1.25
Edelweiss						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/4	Jo Daviess	IL	9.2	2.79	22.5	3.01
8/11	Jo Daviess	IL	11.3	3.12	17.2	2.04
8/10	Mahaska	IA	11.0	2.96	18.0	2.84
8/14	Mahaska	IA	12.0	2.99	15.1	3.29
8/10	Marion	IA	11.7	3.17	13.9	2.99
8/14	Marion	IA	12.9	3.22	11.4	3.13
8/6	Webster	IA	7.9	3.02	26.4	2.18
8/13	Webster	IA	11.1	2.86	15.3	2.43
Frontenac						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/4	Jo Daviess	IL	14.8	2.94	21.0	1.11
8/11	Jo Daviess	IL	17.0	3.13	19.4	0.92
8/7	Louisa	IA	16.3	2.86	18.0	1.06
8/13	Louisa	IA		2.92	16.1	
8/10	Mahaska	IA	20.4	3.04	17.3	1.12
8/14	Mahaska	IA	21.5	3.01	16.0	1.07
8/10	Marion	IA	15.9	2.95	18.2	1.05
8/14	Marion	IA	17.5	2.98	17.1	1.05
8/10	Polk	IA	18.0	3.03	16.8	1.13
8/6	Webster	IA	13.5	2.88	23.8	1.17
8/13	Webster	IA	15.2	2.97	18.0	1.19
Frontenac Blanc						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry

8/4	Jo Daviess	IL	14.1	2.83	22.9	1.07
8/11	Jo Daviess	IL	16.2	3.11	19.7	0.88
8/7	Louisa	IA	18.6	3.13	14.8	0.95
8/13	Louisa	IA		3.18	14.5	
8/10	Polk	IA	15.2	2.97	16.8	0.95
8/6	Webster	IA	13.1	2.75	25.6	1.06
8/13	Webster	IA	13.6	2.84	19.9	1.14
Itasca						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/10	Mahaska	IA	20.5	3.03	10.8	0.90
8/14	Mahaska	IA	22.0	3.03	9.6	0.98
La Crescent						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/10	Jasper	IA	18.0	2.98	18.4	1.27
8/4	Jo Daviess	IL	13.9	2.83	23.7	1.47
8/11	Jo Daviess	IL	17.1	3.10	18.6	0.90
8/7	Louisa	IA	16.1	2.91	18.2	0.98
8/13	Louisa	IA		3.03	13.8	
8/14	Mahaska	IA	19.3	3.01	16.1	1.51
8/7	Story	IA	15.3	2.74	25.3	1.13
8/14	Story	IA	14.8	2.99	22.0	1.12
8/6	Webster	IA	16.4	3.03	21.4	0.91
Marechal Foch						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/4	Jo Daviess	IL	11.7	2.82	27.7	0.88
8/11	Jo Daviess	IL	13.7	3.07	19.6	0.91
8/10	Marion	IA	16.5	3.05	13.6	0.81
8/14	Marion	IA	19.4	3.15	11.7	0.93
8/6	Webster	IA	15.0	2.83	21.3	0.74
8/13	Webster	IA	15.6	2.80	15.0	0.67
Marquette						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/4	Jo Daviess	IL	13.9	2.82	21.8	1.42
8/11	Jo Daviess	IL	17.1	3.11	18.1	1.26
8/10	Mahaska	IA	19.7	3.05	17.7	1.55
8/14	Mahaska	IA	21.7	3.03	16.6	1.59
8/10	Polk	IA	20.2	3.05	12.6	1.56
8/7	Story	IA	15.6	2.79	21.7	1.60
8/14	Story	IA	17.6	3.08	19.1	1.66

8/6	Webster	IA	16.2	2.93	21.3	1.52
8/13	Webster	IA	18.4	2.88	16.9	1.42
Petite Pearl						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/4	Jo Daviess	IL	9.5	2.79	18.1	0.78
8/11	Jo Daviess	IL	11.1	3.04	15.1	0.65
8/7	Louisa	IA	11.6	2.82	14.5	0.72
8/13	Louisa	IA		3.01	10.9	
8/10	Mahaska	IA	11.8	2.89	15.5	0.99
8/14	Mahaska	IA	12.5	2.94	14.2	1.11
8/10	Polk	IA	12.1	2.86	12.8	0.80
8/6	Webster	IA	7.6	2.71	26.3	0.71
8/13	Webster	IA	11.3	2.80	17.9	0.73
St. Croix						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/6	Webster	IA	9.1	2.73	24.9	1.17
8/13	Webster	IA	11.8	2.87	15.9	1.34
St. Pepin						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/14	Mahaska	IA	17.2	3.00	14.4	2.09
8/6	Webster	IA	11.7	2.81	22.6	1.42
8/13	Webster	IA	14.0	2.85	15.9	1.24
Verona						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/10	Mahaska	IA	14.6	2.75	15.9	1.39
8/14	Mahaska	IA	13.4	2.72	16.4	1.33
	denotes samples that were held up in shipping					

2023 Midwest Wine Grape Berry Composition Report Sampling Locations



<https://iowadot.gov/maps/Digital-maps/City-and-county-maps>