

2023 Midwest Wine Grape Berry Composition Report: Week 5

A lot of grapes have been harvested in the last 2 weeks. Depending on the how the later-ripening cultivars progress, we will likely only have one or two more weeks of this report.

Berry shrivel seems to be a common theme in a number of the vineyards I have been at. This was most noticeable in the Frontenac family and La Crescent vines I have been at during harvest this week.

Additionally, some vines that had extensive Japanese beetle damage have had slow ripening progress as well. *(see photo on the right).*



Berry Report Comments/Highlights

The report reflects the last 3 samples dates.

Brianna and Edelweiss

- All harvested except in our most northern location.

Crimson Pearl

- Little movement at the one location we are monitoring.

Frontenac

- Berry weight is stagnant to trending down.
- Considerable jump in pH at the Central and East Central Iowa locations.

Frontenac Blanc

- Berry weight is stagnant to trending down.

La Crescent

- We anticipate nearly all sites will be harvested before the next report.

Marechal Foch

- Moderate gains in maturity at two locations and large gains at one location.

Marquette

- Half the locations have been harvested.
- Minimal to moderate gains in maturity at the remaining locations

Petite Pearl

- None of the sample locations have been harvested. Reports of other locations possibly starting harvest next week.
- Brix still less than 20 at all but one location, but the pH is moving into (or at) ideal maturity range.

St. Croix

- The sample location has been harvested.

St. Pepin

- Half the sites have been sampled, with the remaining site likely to be as well.

Verona

- The pH has gotten above 3.

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

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<i>Brianna</i>						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/18	Jo Daviess	IL	12.2	3.02	11.2	2.17
8/25	Jo Daviess	IL	15.2	3.24	7.0	2.43
9/2	Jo Daviess	IL	17.0	3.38	6.1	2.39
8/21	Mahaska	IA	18.7	3.39	6.7	2.79
	Mahaska	IA	*	*	*	*
8/21	Webster	IA	15.6	3.25	9.3	2.61
	Webster	IA	*	*	*	*

<i>Crimson Pearl</i>						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/21	Mahaska	IA	18.6	3.09	9.9	1.41
8/28	Mahaska	IA	20.8	3.23	7.5	1.54
9/1	Mahaska	IA	20.8	3.33	7.4	1.52

<i>Edelweiss</i>						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/18	Jo Daviess	IL	12.1	3.02	12.2	3.00
8/25	Jo Daviess	IL	13.9	3.21	8.4	3.12
9/2	Jo Daviess	IL	15.6	3.43	7.1	2.96
8/21	Mahaska	IA	14.2	3.22	10.3	3.35
8/28	Mahaska	IA	15.8	3.46	6.8	3.38
	Mahaska	IA	*	*	*	*
	Marion	IA	*	*	*	*
8/27	Webster	IA	13.5	3.17	6.3	2.33
	Webster	IA	*	*	*	*

Frontenac						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/18	Jo Daviess	IL	19.2	3.11	14.6	1.04
8/25	Jo Daviess	IL	23.1	3.26	12.2	0.96
9/2	Jo Daviess	IL	23.3	3.30	13.8	0.98
8/21	Louisa	IA	18.9	2.95	14.2	1.11
8/28	Louisa	IA	20.6	3.21	13.3	0.89
9/4	Louisa	IA	23.7	3.21	13.0	0.98
8/21	Mahaska	IA	24.6	3.14	14.4	1.07
8/28	Mahaska	IA	26.8	3.30	11.9	1.04
9/1	Mahaska	IA	27.0	3.49	10.7	1.03
8/21	Marion	IA	20.5	3.01	15.4	1.01
8/28	Marion	IA	22.2	3.20	13.1	1.05
9/4	Marion	IA	24.3	3.52	11.1	1.00
8/21	Polk	IA	20.5	3.12	15.3	1.03
8/30	Polk	IA	23.4	3.17	14.1	0.96
9/6	Polk	IA	25.0	3.52	12.0	0.91
8/21	Webster	IA	14.4	3.02	15.7	0.98
8/27	Webster	IA	15.5	3.12	13.9	0.93
9/3	Webster	IA	18.5	3.24	14.9	0.91

Frontenac Blanc						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/18	Jo Daviess	IL	18.8	3.01	15.4	1.15
8/25	Jo Daviess	IL	22.8	3.11	12.1	0.90
9/2	Jo Daviess	IL	23.9	3.28	14.1	1.04
8/21	Louisa	IA	21.0	3.21	12.9	0.99
8/28	Louisa	IA	23.0	3.26	12.7	0.80
	Louisa	IA	*	*	*	*
8/21	Polk	IA	19.5	3.10	13.5	0.98
8/30	Polk	IA	21.2	3.19	14.7	1.10
9/6	Polk	IA	23.0	3.47	11.3	0.99
8/21	Webster	IA	14.2	2.92	16.8	1.07
8/27	Webster	IA	16.9	3.04	15.5	0.93
9/3	Webster	IA	17.6	3.06	15.7	0.76

Itasca						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
	Mahaska	IA	*	*	*	*

La Crescent						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/21	Jasper	IA	21.5	3.03	15.2	1.23
	Jasper	IA	*	*	*	*
8/18	Jo Daviess	IL	20.1	2.92	14.8	1.13
8/25	Jo Daviess	IL	21.9	3.06	12.9	1.28
9/2	Jo Daviess	IL	23.4	3.20	12.0	1.28
8/21	Louisa	IA	18.5	3.06	12.2	1.21
8/28	Louisa	IA	20.4	3.04	13.7	1.16
	Louisa	IA	*	*	*	*
8/21	Mahaska	IA	21.1	3.11	15.5	1.34
8/28	Mahaska	IA	23.8	3.23	12.7	1.42
9/1	Mahaska	IA	24.0	3.39	11.1	1.44
8/22	Story	IA	19.3	2.87	16.6	1.24
8/28	Story	IA	20.2	2.91	15.5	1.24
	Story	IA	*	*	*	*
8/21	Webster	IA	20.2	3.16	14.2	1.05
8/27	Webster	IA	21.1	3.31	11.6	1.00
	Webster	IA	*	*	*	*

Marechal Foch						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/18	Jo Daviess	IL	15.3	2.94	15.4	0.90
8/25	Jo Daviess	IL	17.4	3.09	11.3	0.97
9/2	Jo Daviess	IL	18.9	3.22	11.2	1.02
8/21	Marion	IA	20.7	3.23	9.4	0.87
8/28	Marion	IA	22.2	3.45	7.7	0.96
9/4	Marion	IA	24.6	3.74	6.9	0.97
8/21	Webster	IA	17.7	2.97	11.7	0.59
8/27	Webster	IA	19.1	3.07	9.5	0.71
9/3	Webster	IA	21.2	3.13	9.3	0.70

Marquette						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/18	Jo Daviess	IL	19.1	2.93	14.4	1.23
8/25	Jo Daviess	IL	21.8	3.09	12.3	1.60
9/2	Jo Daviess	IL	22.7	3.23	12.0	1.52
8/21	Mahaska	IA	23.4	3.03	13.8	1.64
8/28	Mahaska	IA	24.4	3.16	12.1	1.63
9/1	Mahaska	IA	25.5	3.28	10.6	1.54
	Mahaska	IA	*	*	*	*
8/22	Story	IA	19.9	2.86	15.1	1.72
8/28	Story	IA	22.1	2.92	13.9	1.72
	Story	IA	*	*	*	*
8/21	Webster	IA	19.6	2.98	14.5	1.20
8/27	Webster	IA	22.3	3.17	12.6	1.44
9/3	Webster	IA	23.5	3.19	12.9	1.35

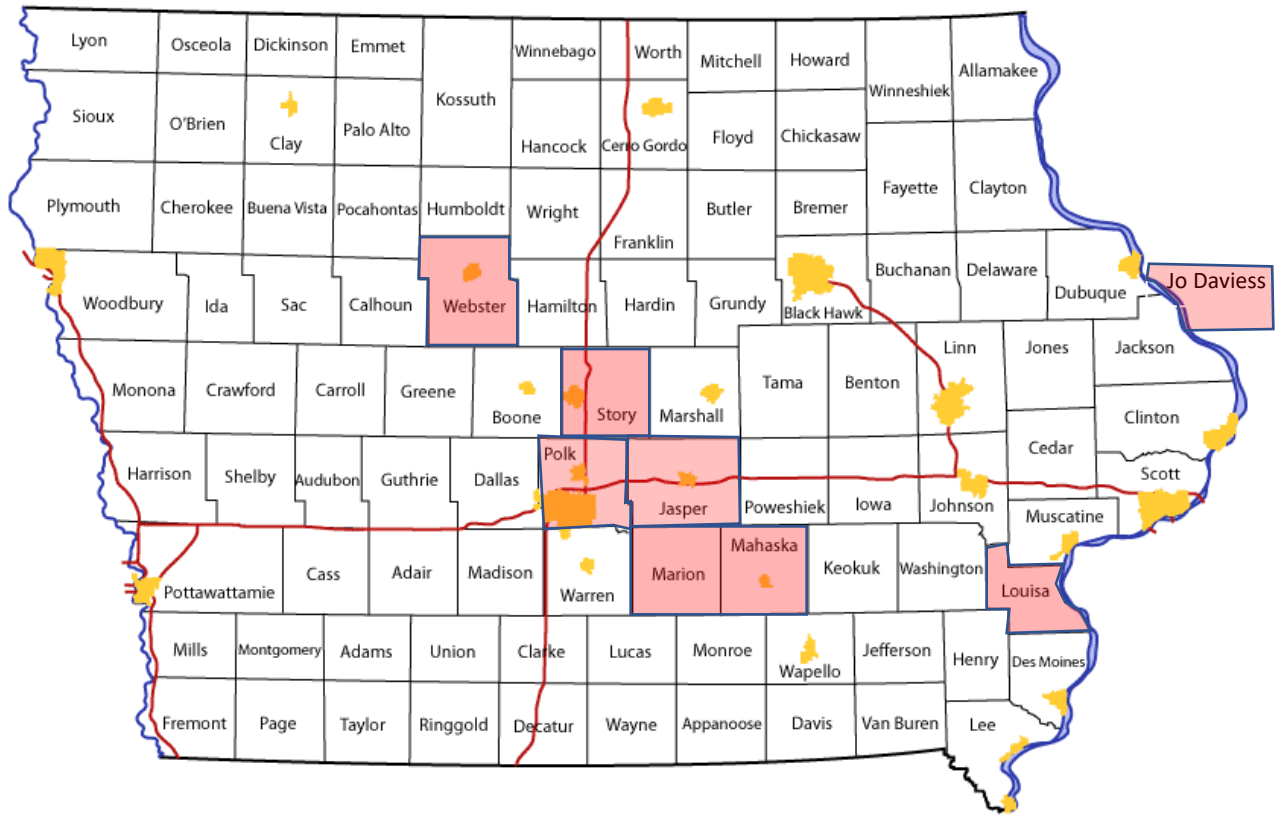
Petite Pearl						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/18	Jo Daviess	IL	13.0	2.93	11.1	0.77
8/25	Jo Daviess	IL	15.7	3.02	8.3	0.69
9/2	Jo Daviess	IL	18.3	3.23	8.1	0.88
8/21	Louisa	IA	14.6	3.07	8.9	0.91
8/28	Louisa	IA	15.5	3.14	8.5	0.89
9/4	Louisa	IA	18.3	3.30	7.8	0.96
8/21	Mahaska	IA	15.4	3.02	11.3	1.01
8/28	Mahaska	IA	17.5	3.24	8.9	1.18
9/1	Mahaska	IA	18.8	3.29	7.8	1.18
8/21	Polk	IA	15.4	3.14	9.1	0.96
8/30	Polk	IA	19.0	3.29	7.9	1.10
9/6	Polk	IA	21.4	3.61	6.6	1.11
8/21	Webster	IA	12.1	2.91	14.4	0.73
8/27	Webster	IA	12.9	3.19	10.1	0.66
9/3	Webster	IA	15.6	3.25	9.8	0.66

St. Croix						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/21	Webster	IA	14.6	3.05	11.3	1.49
8/27	Webster	IA	16.5	3.29	9.2	1.49
	Webster	IA	*	*	*	*

St. Pepin						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/21	Mahaska	IA	18.8	3.12	11.2	2.11
8/28	Mahaska	IA	20.5	3.31	8.8	2.28
9/1	Mahaska	IA	19.7	3.45	8.3	2.22
	Mahaska	IA	*	*	*	*
8/21	Webster	IA	16.5	3.08	11.5	1.39
8/27	Webster	IA	17.7	3.23	8.9	1.41
9/3	Webster	IA	19.8	3.28	8.1	1.34

Verona						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/21	Mahaska	IA	15.1	2.81	13.2	1.38
8/28	Mahaska	IA	18.2	2.96	10.7	1.50
9/1	Mahaska	IA	20.1	3.13	10.7	1.79
	*	denotes vines confirmed (or likely) harvested				

2023 Midwest Wine Grape Berry Composition Report Sampling Locations



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