

2023 Midwest Wine Grape Berry Composition Report: Week 3

Welcome to week 3 of the Midwest Wine Grape Berry Composition Report!

This week, we again had some cultivars that did not have significant changes in pH. Part of this could be due to sample variation from week to week. But, given that most of the samples in this week's report were taken before the heat wave, there will likely be some changes in maturity between this report and the next.

Several growers have harvested Brianna, Edelweiss, and Itasca. For the Edelweiss and Brianna that were not harvested, there were significant reductions in the TA from the last report.

Last week, I spoke with some growers in the central and southern parts of the region who were anticipating harvesting next week. Instead of harvesting next week, they are doing some significant harvests of Frontenac Blanc, La Crescent, La Crosse, Marquette, St. Croix, and St. Pepin this week.

I have had a few questions about how this year's ripening compares with last year. To generalize, I would say that this year, in some cultivars, the brix seems to be a bit lower when comparing the brix at the same pH values as last year. My typical suggestion is to prioritize pH over brix when determining when to harvest (obviously, flavor and aroma are also extremely important) since brix can vary considerably between year and location due to vine and weather factors.

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

Randall Vos
Commercial Fruit Crops Field Specialist
Iowa State University Extension & Outreach
641-660-5710
rjvos@iastate.edu

<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
8/18	Jo Daviess	IL	12.2	3.02	11.2	2.17
8/10	Mahaska	IA	14.0	3.12	12.7	2.51
8/14	Mahaska	IA	15.4	3.11	10.0	2.50
8/21	Mahaska	IA	18.7	3.39	6.7	2.79
8/6	Webster	IA	10.4	2.91	23.0	2.07
8/13	Webster	IA	13.9	3.08	12.7	3.00
8/21	Webster	IA	15.6	3.25	9.3	2.61

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
8/21	Mahaska	IA	18.6	3.09	9.9	1.41

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	
8/18	Jo Daviess	IL	12.1	3.02	12.2	3.00	
8/10	Mahaska	IA	11.0	2.96	18.0	2.84	
8/14	Mahaska	IA	12.0	2.99	15.1	3.29	
8/21	Mahaska	IA	14.2	3.22	10.3	3.35	
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
8/18	Jo Daviess	IL	19.2	3.11	14.6	1.04
8/7	Louisa	IA	16.3	2.86	18.0	1.06
8/13	Louisa	IA		2.92	16.1	
8/21	Louisa	IA	18.9	2.95	14.2	1.11
8/10	Mahaska	IA	20.4	3.04	17.3	1.12
8/14	Mahaska	IA	21.5	3.01	16.0	1.07
8/21	Mahaska	IA	24.6	3.14	14.4	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
8/21	Marion	IA	20.5	3.01	15.4	1.01
8/10	Polk	IA	18.0	3.03	16.8	1.13
8/21	Polk	IA	20.5	3.12	15.3	1.03
8/6	Webster	IA	13.5	2.88	23.8	1.17
8/13	Webster	IA	15.2	2.97	18.0	1.19
8/21	Webster	IA	14.4	3.02	15.7	0.98

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
8/18	Jo Daviess	IL	18.8	3.01	15.4	1.15
8/7	Louisa	IA	18.6	3.13	14.8	0.95
8/13	Louisa	IA		3.18	14.5	
8/21	Louisa	IA	21.0	3.21	12.9	0.99
8/10	Polk	IA	15.2	2.97	16.8	0.95
8/21	Polk	IA	19.5	3.10	13.5	0.98
8/6	Webster	IA	13.1	2.75	25.6	1.06
8/13	Webster	IA	13.6	2.84	19.9	1.14
8/21	Webster	IA	14.2	2.92	16.8	1.07

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

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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
8/21	Jasper	IA	21.5	3.03	15.2	1.23
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
8/18	Jo Daviess	IL	20.1	2.92	14.8	1.13
8/7	Louisa	IA	16.1	2.91	18.2	0.98
8/13	Louisa	IA		3.03	13.8	
8/21	Louisa	IA	18.5	3.06	12.2	1.21
8/14	Mahaska	IA	19.3	3.01	16.1	1.51
8/21	Mahaska	IA	21.1	3.11	15.5	1.34
8/7	Story	IA	15.3	2.74	25.3	1.13
8/14	Story	IA	14.8	2.99	22.0	1.12
8/22	Story	IA	19.3	2.87	16.6	1.24
8/6	Webster	IA	16.4	3.03	21.4	0.91
8/21	Webster	IA	20.2	3.16	14.2	1.05

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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
8/18	Jo Daviess	IL	15.3	2.94	15.4	0.90
8/10	Marion	IA	16.5	3.05	13.6	0.81
8/14	Marion	IA	19.4	3.15	11.7	0.93
8/21	Marion	IA	20.7	3.23	9.4	0.87
8/6	Webster	IA	15.0	2.83	21.3	0.74
8/13	Webster	IA	15.6	2.80	15.0	0.67
8/21	Webster	IA	17.7	2.97	11.7	0.59

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
8/18	Jo Daviess	IL	19.1	2.93	14.4	1.23
8/10	Mahaska	IA	19.7	3.05	17.7	1.55
8/14	Mahaska	IA	21.7	3.03	16.6	1.59
8/21	Mahaska	IA	23.4	3.03	13.8	1.64
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
8/22	Story	IA	19.9	2.86	15.1	1.72
8/6	Webster	IA	16.2	2.93	21.3	1.52
8/13	Webster	IA	18.4	2.88	16.9	1.42
8/21	Webster	IA	19.6	2.98	14.5	1.20

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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
8/18	Jo Daviess	IL	13.0	2.93	11.1	0.77
8/7	Louisa	IA	11.6	2.82	14.5	0.72
8/13	Louisa	IA		3.01	10.9	
8/21	Louisa	IA	14.6	3.07	8.9	0.91
8/10	Mahaska	IA	11.8	2.89	15.5	0.99
8/14	Mahaska	IA	12.5	2.94	14.2	1.11
8/21	Mahaska	IA	15.4	3.02	11.3	1.01
8/10	Polk	IA	12.1	2.86	12.8	0.80
8/21	Polk	IA	15.4	3.14	9.1	0.96
8/6	Webster	IA	7.6	2.71	26.3	0.71
8/13	Webster	IA	11.3	2.80	17.9	0.73
8/21	Webster	IA	12.1	2.91	14.4	0.73

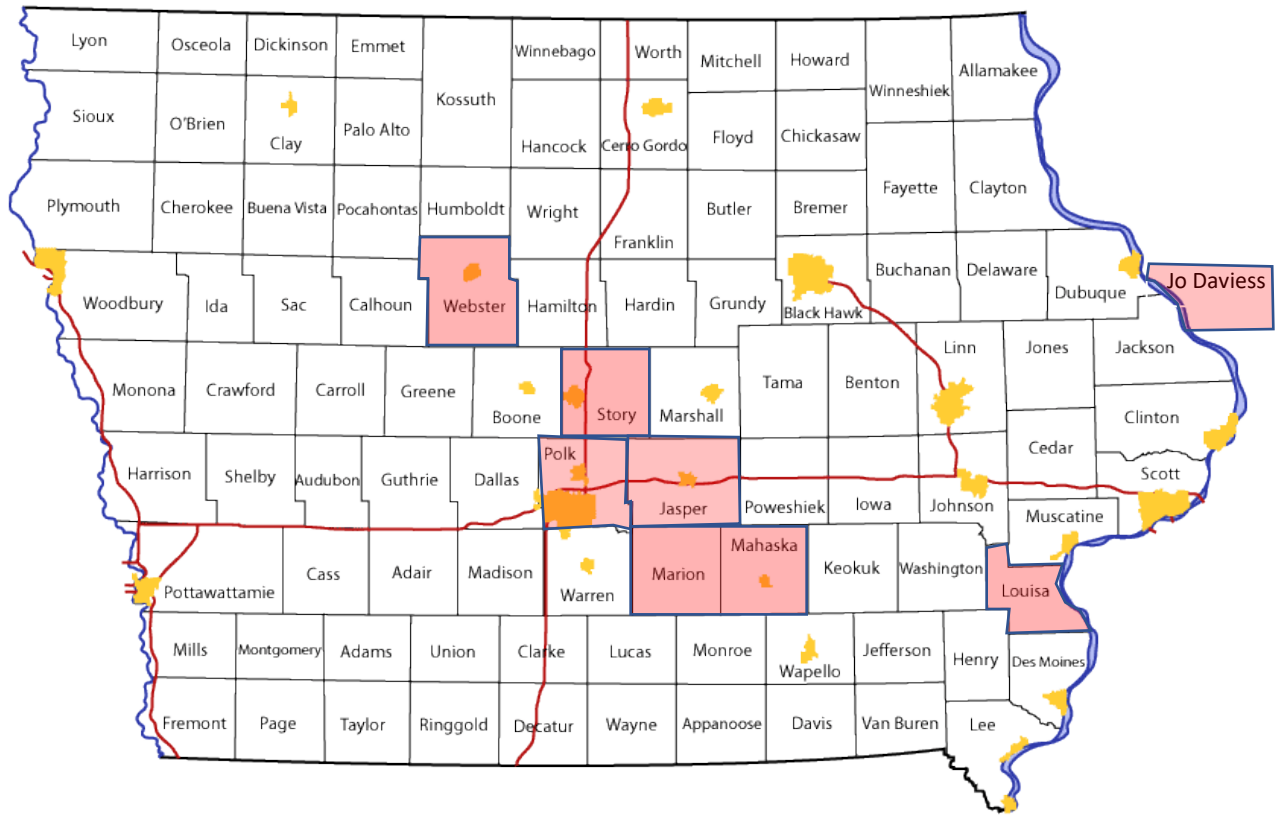
St. Croix						
Sample Date	County	State	Brix	pH	TA (g/L)	g/berry
8/6	Webster	IA	9.1	2.73	24.9	1.17
8/13	Webster	IA	11.8	2.87	15.9	1.34
8/21	Webster	IA	14.6	3.05	11.3	1.49

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
8/21	Mahaska	IA	18.8	3.12	11.2	2.11
8/6	Webster	IA	11.7	2.81	22.6	1.42
8/13	Webster	IA	14.0	2.85	15.9	1.24
8/21	Webster	IA	16.5	3.08	11.5	1.39

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
8/21	Mahaska	IA	15.1	2.81	13.2	1.38

	denotes samples that were held up in shipping
*	denotes likely last sample date due to harvest

2023 Midwest Wine Grape Berry Composition Report Sampling Locations



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