

2019 Montana Summary

Variety	Yield (bu/ac)				Test Wt. lbs/bu	Protein* %	Heading 1-9	Height 1-9	Sawfly 1-9
	Ft. Benton MT	Conrad MT	Havre MT	Avg.					
WB9590	54.85	51.74	35.20	46.92	61.57	16.8	4	28	6
WB9377	54.49	56.62	34.07	46.75	61.97	15.7	5	29	1
WB9879 CLP	51.04	55.64	31.76	45.47	60.31	17.0	5	31	1
SY Tyra	48.20	56.80	33.13	45.43	62.89	16.0	5	28	5
WB9719	49.55	54.47	33.08	45.41	59.70	16.1	6	30	4
SY Ingmar	49.22	47.00	37.57	45.26	61.64	17.1	5	28	7
SY Rockford	50.74	48.40	35.53	44.64	60.87	16.0	6	30	5
Reeder	48.24	51.27	33.93	44.58	61.05	17.0	3	32	6
NS Presser CL	49.54	55.06	31.27	44.53	59.24	16.3	7	32	4
SY 611 CL²	46.54	44.26	38.39	44.48	62.21	16.8	4	28	7
Lanning	48.42	52.33	34.48	44.44	61.27	17.4	4	29	9
WB9668	52.45	43.59	34.50	44.35	60.86	17.2	4	27	2
SY Valda	45.51	49.23	36.60	44.33	61.03	16.4	5	28	8
SY Soren	42.91	53.61	37.75	44.18	61.78	17.1	5	28	8
Duclair	48.58	56.31	26.69	43.82	59.17	16.7	3	30	2
Vida	45.73	51.44	36.24	43.46	57.91	16.3	6	31	7
SY Gunsight	50.11	46.97	31.68	43.34	60.00	16.2	4	27	8
Choteau	45.77	52.04	31.31	42.79	60.10	17.1	5	31	3
Faller	44.72	49.09	31.84	42.46	56.87	15.5	6	31	8
Egan	46.42	48.29	30.35	41.44	59.07	17.9	5	29	8
SY Longmire	45.76	49.25	30.67	41.27	61.07	16.7	4	29	3
Corbin	48.04	47.27	29.20	41.12	63.04	16.6	3	30	3
SY McCloud	45.94	42.72	34.17	40.91	63.15	16.8	4	29	7
SY605 CL	38.38	39.57	33.43	36.70	61.11	17.7	2	30	9
Mean	47.90	48.85	34.11	43.62	61.27	16.6	4.5	28.8	5.8
LSD (5%)	6.12	7.99	5.56	3.24	2.18	0.4	0.6	1.1	2.5
CV %	7.87	10.08	10.04	8.67	1.76	1.5	13.6	3.5	26.5

Numerical ratings: Heading: 1 = early; Height: 1 = short; Sawfly 1 = resistant

All seed treated with CruiserMaxx® Vibrance® Cereals

* Ft. Benton Proteins only

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2019 crop year. Specific conditions may cause variations within those characteristics. These relative protection values are based on current pest and disease populations. These have been known to shift periodically and may cause changes in specific evaluations. Resistance to many other diseases and pests is sensitive to environmental conditions, plant development stages and the presence and intensity of other diseases which may result in specific evaluation inconsistencies. This chart is updated annually to reflect the most current trends.

Syngenta Data, 2017-2019

Three-Year Montana Summary Ranked by Three-Year Yield Average

Variety	Economic Return ¹		Yield (bu/ac)					3-Yr Avg				
	\$/Bu	Gross \$/a	2017	2018	2019	2-yr Avg	3-yr Avg	Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9	Sawfly 1-9
SY Tyra	\$4.79	\$219.82	41.3	51.0	45.4	48.2	45.9	62.7	14.2	4	4	4
WB9377	\$4.87	\$221.73	39.6	50.3	46.8	48.5	45.6	61.7	14.3	5	4	1
Vida	\$4.95	\$224.88	41.5	51.4	43.5	47.4	45.5	58.8	14.4	5	5	5
SY 611 CL²	\$5.26	\$237.84	41.3	49.8	44.5	47.2	45.2	61.0	14.8	4	4	6
SY Gunsight	\$4.95	\$223.39	41.4	50.8	43.3	47.1	45.2	60.1	14.4	4	4	8
SY Valda	\$4.87	\$218.53	39.4	51.0	44.3	47.6	44.9	61.3	14.3	5	5	6
Reeder	\$5.26	\$235.86	41.7	48.2	44.6	46.4	44.8	61.3	14.8	4	6	5
SY Rockford	\$4.95	\$221.15	38.7	50.8	44.6	47.7	44.7	60.5	14.4	5	6	4
Duclair	\$5.34	\$237.22	39.7	49.7	43.8	46.8	44.4	59.1	14.9	4	6	3
SY Soren	\$5.82	\$255.30	40.0	47.5	44.2	45.9	43.9	61.6	15.5	4	4	6
SY Longmire	\$5.34	\$231.08	40.3	48.2	41.3	44.7	43.3	61.6	14.9	4	5	3
Choteau	\$5.50	\$236.79	37.1	49.2	42.8	46.0	43.1	60.4	15.1	5	5	3
SY Ingmar	\$5.97	\$257.08	37.4	46.4	45.3	45.9	43.0	61.6	15.7	5	5	5
Faller	\$4.52	\$194.37	37.0	49.4	42.5	46.0	43.0	58.1	13.8	6	5	6
Egan	\$6.29	\$266.35	38.6	47.1	41.4	44.2	42.4	59.0	16.1	5	5	8
Corbin	\$5.18	\$218.95	39.4	46.3	41.1	43.7	42.2	61.9	14.7	4	5	3
SY McCloud	\$5.58	\$232.68	39.1	45.1	40.9	43.0	41.7	62.7	15.2	4	5	6
SY605 CL	\$5.89	\$235.69	38.6	44.6	36.7	40.7	40.0	61.7	15.6	3	5	8
WB9719				51.3	45.4	48.3		61.9	14.2	6	5	3
Lanning				50.4	44.4	47.4		61.4	15.1	4	5	9
Mean			38.8	47.9	43.6	43.6	43.6	61.1	14.8	4.3	5.0	5
LSD (5%)				4.0	3.2	1.9	3.7	1.3	0.7	0.9		
CV %			8.0	9.0	8.7	6.0	8.0	2.0	3.7	11.1		
No. of Locs.			3	3	3	6	7	6	6	3		2

Numerical ratings: Heading: 1= early; Height: 1 = short; Lodging: 1 = no lodging; Disease 1 = tolerant

All seed treated with CruiserMaxx® Vibrance® Cereals

2017-2019 Locations: Conrad, Fort Benton, Havre, MT

¹ Economic return calculated using Sept. local cash grain price of \$4.63 for 14% protein and 10-year average MGE protein premium/discounts (Mendota Wheat & Milling Associates).

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Syngenta Data, 2017-2019

Three-Year Montana Summary Ranked by Economic Return

Variety	Economic Return ¹		Yield (bu/ac)					3-Yr Avg				
	\$/Bu	Gross \$/a	2017	2018	2019	2-yr Avg	3-yr Avg	Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9	Sawfly 1-9
Egan	\$6.29	\$266.35	38.6	47.1	41.4	44.2	42.4	59	16.1	5	5	8
SY Ingmar	\$5.97	\$257.08	37.4	46.4	45.3	45.9	43	61.6	15.7	5	5	5
SY Soren	\$5.82	\$255.30	40	47.5	44.2	45.9	43.9	61.6	15.5	4	4	6
SY 611 CL²	\$5.26	\$237.84	41.3	49.8	44.5	47.2	45.2	61	14.8	4	4	6
Duclair	\$5.34	\$237.22	39.7	49.7	43.8	46.8	44.4	59.1	14.9	4	6	3
Choteau	\$5.50	\$236.79	37.1	49.2	42.8	46	43.1	60.4	15.1	5	5	3
Reeder	\$5.26	\$235.86	41.7	48.2	44.6	46.4	44.8	61.3	14.8	4	6	5
SY605 CL	\$5.89	\$235.69	38.6	44.6	36.7	40.7	40	61.7	15.6	3	5	8
SY McCloud	\$5.58	\$232.68	39.1	45.1	40.9	43	41.7	62.7	15.2	4	5	6
SY Longmire	\$5.34	\$231.08	40.3	48.2	41.3	44.7	43.3	61.6	14.9	4	5	3
Vida	\$4.95	\$224.88	41.5	51.4	43.5	47.4	45.5	58.8	14.4	5	5	5
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Corbin	\$5.18	\$218.95	39.4	46.3	41.1	43.7	42.2	61.9	14.7	4	5	3
SY Valda	\$4.87	\$218.53	39.4	51	44.3	47.6	44.9	61.3	14.3	5	5	6
Faller	\$4.52	\$194.37	37	49.4	42.5	46	43	58.1	13.8	6	5	6
WB9719				51.3	45.4	48.3		61.9	14.2	6	5	3
Lanning				50.4	44.4	47.4		61.4	15.1	4	5	9
Mean			38.8	47.9	43.6	43.6	43.6	61.1	14.8	4.3	5.0	5
LSD (5%)				4.0	3.2	1.9	3.7	1.3	0.7	0.9		
CV %			8.0	9.0	8.7	6.0	8.0	2.0	3.7	11.1		
No. of Locs.			3	3	3	6	7	6	6	3		2

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