

2020 Montana Summary, Northern Plains

Variety	Yield (bu/ac)				Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9	Sawfly 1-9
	Avg.	Conrad MT	Ft. Benton MT	Havre MT					
Duclair	51.9	67.3	58.3	30.1	63.1	14.9	4	6	3
Dagmar	51.7	72.1	51.3	31.5	63.6	15.0	3	6	2
Vida	49.7	60.3	56.1	32.8	61.1	14.3	4	6	3
NS Presser CL	49.6	66.5	51.5	30.8	60.1	13.8	7	6	3
WB9719	49.1	65.4	52.6	29.2	62.4	13.6	5	5	3
WB9590	48.4	63.5	52.4	29.2	62.9	15.1	4	4	2
WB9879CLP	48.2	67.3	50.6	26.8	62.5	15.7	5	5	2
Reeder	48.2	60.4	53.2	31.1	61.9	14.7	5	6	3
WB9377	47.4	62.1	51.6	28.5	63.6	14.8	4	4	2
Egan	47.2	59.1	52.7	29.9	61.5	16.0	4	6	5
Faller	46.9	55.9	52.6	32.1	61.3	13.7	6	6	5
Lanning	46.5	60.5	51.2	27.8	62.2	14.7	3	5	4
SY Longmire	46.1	62.2	48.3	27.9	62.5	14.7	5	5	3
Corbin	46.0	62.5	48.3	27.3	63.4	14.8	3	6	2
WB9668	45.9	64.1	49.7	24.0	61.5	16.4	4	4	3
SY Rockford	45.4	62.7	46.8	26.6	62.8	14.7	5	5	5
AP Murdock	44.8	61.1	48.9	24.4	62.3	15.3	4	4	3
SY Valda	44.6	61.1	44.8	28.0	63.1	14.4	5	4	3
SY 611 CL²	44.6	60.6	45.3	27.9	61.6	14.8	5	4	3
SY McCloud	43.3	61.4	43.0	25.6	63.2	15.4	5	5	4
SY Soren	43.0	60.5	42.2	26.3	63.5	15.5	4	4	3
SY Ingmar	41.4	55.9	43.0	25.3	63.1	15.6	4	4	4
SY605 CL	39.8	54.5	38.1	26.8	62.4	15.5	4	7	5
Mean General	44.7	60.4	46.7	27.0	62.7	15.0			
LSD [0.05]	4.8	5.6	5.2	3.4		0.8			
CV (%)	6.6	5.7	6.8	7.8	3.0	4.7			

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

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2020 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, 2018-2020

Three-Year Montana Summary, Northern Plains Ranked by Three-Year Yield Average

Variety	Yield (bu/ac)			Protein % 3-Year Avg	3-Year Economic Return ¹			Agronomics and Disease		
	3-yr Avg	2-yr Avg	2020		Rank	Gross \$/A	\$/Bu	Heading 1-9	Height 1-9	Sawfly 1-9
Duclair	46.1	47.9	51.9	14.7	5	\$236.56	\$5.14	4	6	3
WB9719	45.9	47.3	49.1	13.8	19	\$210.04	\$4.57	6	5	3
Vida	45.9	46.6	49.7	14.3	13	\$223.35	\$4.86	5	6	4
WB9377	45.7	47.1	47.4	14.5	10	\$228.45	\$5.00	5	4	2
Reeder	44.9	46.4	48.2	14.9	6	\$236.50	\$5.27	4	6	4
Lanning	44.8	45.5	46.5	14.9	7	\$236.13	\$5.27	4	5	5
SY Rockford	43.9	45.0	45.4	14.2	18	\$210.69	\$4.80	6	5	4
SY Valda	43.9	44.5	44.6	14.1	20	\$207.32	\$4.73	5	5	5
SY 611CL²	43.9	44.5	44.6	14.7	11	\$225.21	\$5.14	4	4	5
Faller	43.7	44.7	46.9	13.8	21	\$199.66	\$4.57	6	6	5
Egan	43.1	44.3	47.2	15.9	2	\$256.77	\$5.95	5	5	5
WB9668	43.1	45.1	45.9	16.0	1	\$259.64	\$6.02	4	4	3
AP Murdock	43.1	44.8	44.8	14.8	12	\$224.24	\$5.20	4	4	5
SY Longmire	42.7	43.7	46.1	14.6	15	\$216.56	\$5.07	5	5	3
SY Ingmar	42.3	43.3	41.4	15.4	4	\$237.61	\$5.61	4	5	5
SY Soren	42.3	43.6	43.0	15.2	9	\$231.63	\$5.48	4	4	5
Corbin	42.2	43.6	46.0	14.6	16	\$213.77	\$5.07	3	5	3
SY McCloud	41.2	42.1	43.3	15.1	14	\$222.92	\$5.41	5	5	5
SY605 CL	38.0	38.3	39.8	15.4	17	\$213.37	\$5.61	3	6	7
WB9590		47.6	48.4					4	4	4
NS Presser CL		47.1	49.6					7	6	4
WB9879CLP		46.8	48.2					5	5	2
Mean	43.6	44.5	44.7	14.8						
LSD [0.05]	3.0	3.7	4.8	0.4						
CV (%)	7.3	7.6	6.6	4.5						
No. of Locs.	8	6	3	8						

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

2018 Locations: Conrad and Havre, MT

2019-2020 Locations: Conrad, Fort Benton, and Havre, MT

¹ Economic return calculated using Sept. local cash grain price of \$4.66 for 14% protein and 10-year average MGE protein premium/discounts (Mendota Wheat & Milling Associates).

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Syngenta Data, 2018-2020

Three-Year Montana Summary, Northern Plains Ranked by Three-Year Economic Return

Variety	3-Year Economic Return ¹		Protein % 3-Year Avg	Yield (bu/ac)				Agronomics and Disease		
	Gross \$/A	\$/Bu		3-yr Rank	3-yr Avg	2-yr Avg	2020	Heading 1-9	Height 1-9	Sawfly 1-9
WB9668	\$259.64	\$6.02	16.0	14	43.1	45.1	45.9	4	4	3
Egan	\$256.77	\$5.95	15.9	13	43.1	44.3	47.2	5	5	5
SY Ingmar	\$237.61	\$5.61	15.4	17	42.3	43.3	41.4	4	5	5
Duclair	\$236.56	\$5.14	14.7	1	46.1	47.9	51.9	4	6	3
Reeder	\$236.50	\$5.27	14.9	6	44.9	46.4	48.2	4	6	4
Lanning	\$236.13	\$5.27	14.9	7	44.8	45.5	46.5	4	5	5
SY Soren	\$231.63	\$5.48	15.2	18	42.3	43.6	43.0	4	4	5
WB9377	\$228.45	\$5.00	14.5	4	45.7	47.1	47.4	5	4	2
SY 611CL2	\$225.21	\$5.14	14.7	10	43.9	44.5	44.6	4	4	5
AP Murdock	\$224.24	\$5.20	14.8	15	43.1	44.8	44.8	4	4	5
Vida	\$223.35	\$4.86	14.3	3	45.9	46.6	49.7	5	6	4
SY McCloud	\$222.92	\$5.41	15.1	20	41.2	42.1	43.3	5	5	5
SY Longmire	\$216.56	\$5.07	14.6	16	42.7	43.7	46.1	5	5	3
Corbin	\$213.77	\$5.07	14.6	19	42.2	43.6	46.0	3	5	3
SY605 CL	\$213.37	\$5.61	15.4	21	38.0	38.3	39.8	3	6	7
SY Rockford	\$210.69	\$4.80	14.2	8	43.9	45.0	45.4	6	5	4
WB9719	\$210.04	\$4.57	13.8	2	45.9	47.3	49.1	6	5	3
SY Valda	\$207.32	\$4.73	14.1	9	43.9	44.5	44.6	5	5	5
Faller	\$199.66	\$4.57	13.8	11	43.7	44.7	46.9	6	6	5
WB9590						47.6	48.4	4	4	4
NS Presser CL						47.1	49.6	7	6	4
WB9879CLP						46.8	48.2	5	5	2
Mean			14.8		43.6	44.5	44.7			
LSD [0.05]			0.4		3.0	3.7	4.8			
CV (%)			4.5		7.3	7.6	6.6			
No. of Locs.			8		8	6	3			

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

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