

2020 West Summary, Northern Plains

Variety	Yield (bu/ac)				Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9	BLS 1-9
	Avg.	Coleharbor ND	Kenmare ND	Richardton ND					
Faller	93.0	91.4	88.1	99.5	61.7	14.0	6	6	4
WB9719	89.9	86.3	90.8	92.6	63.3	13.9	6	5	3
SY Valda	84.2	87.5	76.7	88.4	61.8	14.3	5	5	4
Elgin-ND	83.5	84.0	76.5	90.0	61.2	14.9	4	7	4
Shelly	83.0	77.0	80.6	91.3	62.0	14.6	6	5	4
LCS Rebel	82.4	84.0	76.0	87.3	62.1	14.7	3	6	4
WB9590	80.1	78.1	70.7	91.6	60.8	15.2	4	4	4
WB9479	77.9	82.6	62.1	89.1	60.8	15.6	4	4	4
SY Ingmar	76.8	76.7	70.2	83.5	62.2	15.4	5	5	4
SY 611CL²	76.5	72.3	73.1	84.0	62.1	15.2	5	4	4
Vida	75.9	72.8	71.6	83.4	60.0	14.9	5	6	5
AP Murdock	75.3	74.5	62.0	89.3	62.4	14.8	4	4	5
SY McCloud	74.8	73.0	68.4	83.0	61.5	15.4	5	5	5
Reeder	74.5	72.6	66.9	84.1	61.0	15.2	4	6	5
SY Longmire	74.0	72.1	72.2	77.7	61.9	15.3	5	5	4
Lanning	73.2	76.5	64.7	78.4	60.1	15.9	4	5	5
LCS Cannon	71.1	73.3	62.4	77.7	63.1	15.4	2	4	4
Barlow	71.0	74.5	66.0	72.6	62.3	15.1	3	6	4
WB9879CLP	70.9	65.7	65.6	81.4	61.2	15.3	6	6	4
Glenn	70.3	69.1	66.3	75.6	62.7	15.3	3	6	4
SY Soren	70.3	63.0	72.7	75.2	61.3	15.6	4	4	5
ND-VitPro	70.0	74.4	60.3	75.4	63.1	15.5	4	5	4
Bolles	68.3	62.6	60.8	81.6	60.4	17.1	6	6	4
SY Rockford	68.0	63.6	69.4	71.0	58.2	15.5	6	6	6
SY605 CL	66.2	68.9	57.1	72.7	61.7	15.9	4	6	4
Mean	74.6	73.3	67.9	82.6	61.5	15.1			
LSD [0.05]	7.4	6.6	8.3	8.9	0.9	0.6			
CV (%)	6.6	5.5	7.5	6.6	0.9	2.1			

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

Variety	Yield (bu/ac)			Protein % 3-Year Avg	3-Year Economic Return ¹			Agronomics	
	3-yr Avg	2-yr Avg	2020		Rank	Gross \$/A	\$/Bu	Heading 1-9	Height 1-9
WB9719	78.3	81.6	89.9	13.9	10	\$361.53	\$4.62	6	5
Faller	76.3	82.9	93.0	13.9	14	\$351.97	\$4.62	6	6
SY Valda	74.2	81.1	84.2	14.0	20	\$345.77	\$4.66	5	5
Shelly	73.8	79.2	83.0	14.1	17	\$349.07	\$4.73	6	5
Elgin-ND	73.1	77.7	83.5	14.8	3	\$380.15	\$5.20	4	7
WB9590	72.7	76.9	80.1	15.0	2	\$388.11	\$5.34	4	4
SY 611 CL²	71.3	75.1	76.5	14.5	13	\$356.70	\$5.00	5	4
Vida	70.1	73.0	75.9	14.5	16	\$350.40	\$5.00	6	6
AP Murdock	68.5	72.6	75.3	14.5	22	\$342.35	\$5.00	4	4
Reeder	68.3	72.1	74.5	15.1	5	\$369.58	\$5.41	4	6
SY Rockford	68.2	71.8	68.0	14.6	21	\$345.74	\$5.07	6	6
SY Ingmar	68.1	72.4	76.8	15.1	7	\$368.39	\$5.41	5	5
SY McCloud	67.8	72.4	74.8	14.9	12	\$357.18	\$5.27	5	5
SY Longmire	67.7	71.7	74.0	14.7	18	\$347.71	\$5.14	5	5
SY605 CL	65.7	68.8	66.2	15.2	11	\$359.50	\$5.48	3	6
SY Soren	65.6	70.4	70.3	15.0	15	\$350.41	\$5.34	4	4
Bolles	65.2	68.6	68.3	16.3	1	\$392.62	\$6.02	6	6
Barlow	65.1	68.2	71.0	15.0	19	\$347.42	\$5.34	3	6
ND VitPro	64.5	68.4	70.0	15.6	4	\$370.98	\$5.75	4	5
Glenn	63.8	67.0	70.3	15.6	8	\$366.72	\$5.75	3	6
LCS Rebel		76.8	82.4					3	6
WB9479		73.5	77.9					4	4
LCS Cannon		71.2	71.1					2	4
WB9879CLP		70.5	70.9					6	6
Lanning		70.0	73.2					4	5
Mean	69.5	72.9	74.6	14.8					
LSD [0.05]	3.8	4.6	7.4	0.5					
CV (%)	6.7	6.8	6.6	3.7					
No. of Locs.	11	8	3	8					

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

2018 Locations: Richardton, Coleharbor, Kenmare, ND

2019 Locations: Richardton, Coleharbor, Kenmare, Hettinger, ND; and Scobey, MT

2020 Locations: Richardton, Coleharbor, and Kenmare, ND

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

Variety	3-Year Economic Return ¹		Protein %	Yield (bu/ac)				Agronomics	
	Gross \$/A	\$/Bu	3-Year Avg	3-yr Rank	3-yr Avg	2-yr Avg	2020	Heading 1-9	Height 1-9
Bolles	\$392.62	\$6.02	16.3	19	65.2	68.6	68.3	6	6
WB9590	\$388.11	\$5.34	15.0	6	72.7	76.9	80.1	4	4
Elgin-ND	\$380.15	\$5.20	14.8	5	73.1	77.7	83.5	4	7
ND VitPro	\$370.98	\$5.75	15.6	21	64.5	68.4	70.0	4	5
Reeder	\$369.58	\$5.41	15.1	12	68.3	72.1	74.5	4	6
SY Ingmar	\$368.39	\$5.41	15.1	14	68.1	72.4	76.8	5	5
Glenn	\$366.72	\$5.75	15.6	22	63.8	67.0	70.3	3	6
AP Gunsmoke CL²	\$364.19	\$5.14	14.7	8	70.9	74.6	75.7	5	5
WB9719	\$361.53	\$4.62	13.9	1	78.3	81.6	89.9	6	5
SY605 CL	\$359.50	\$5.48	15.2	17	65.7	68.8	66.2	3	6
SY McCloud	\$357.18	\$5.27	14.9	15	67.8	72.4	74.8	5	5
SY 611 CL²	\$356.70	\$5.00	14.5	7	71.3	75.1	76.5	5	4
Faller	\$351.97	\$4.62	13.9	2	76.3	82.9	93.0	6	6
SY Soren	\$350.41	\$5.34	15.0	18	65.6	70.4	70.3	4	4
Vida	\$350.40	\$5.00	14.5	9	70.1	73.0	75.9	6	6
Shelly	\$349.07	\$4.73	14.1	4	73.8	79.2	83.0	6	5
SY Longmire	\$347.71	\$5.14	14.7	16	67.7	71.7	74.0	5	5
Barlow	\$347.42	\$5.34	15.0	20	65.1	68.2	71.0	3	6
SY Valda	\$345.77	\$4.66	14.0	3	74.2	81.1	84.2	5	5
SY Rockford	\$345.74	\$5.07	14.6	13	68.2	71.8	68.0	6	6
AP Murdock	\$342.35	\$5.00	14.5	11	68.5	72.6	75.3	4	4
LCS Rebel						76.8	82.4	3	6
WB9479						73.5	77.9	4	4
LCS Cannon						71.2	71.1	2	4
WB9879CLP						70.5	70.9	6	6
Lanning						70.0	73.2	4	5
Mean			14.8		69.5	72.9	74.6		
LSD [0.05]			0.5		3.8	4.6	7.4		
CV (%)			3.7		6.7	6.8	6.6		
No. of Locs.			8		11	8	3		

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