

2019 West Summary, Northern Plains

Variety	Yield (bu/ac)						Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9
	Hettinger ND	Richardton ND	Coleharbor ND	Kenmare ND	Scobey MT	Avg.				
SY Valda	72.7	73.9	88.5	79.0	79.3	78.7	59.6	13.2	5	5
Shelly	78.7	75.7	81.0	72.6	75.3	76.6	60.2	13.2	6	5
WB9719	77.3	66.5	79.8	80.8	78.4	76.5	60.9	13.4	6	4
Faller	74.2	73.1	82.8	80.6	71.9	76.5	59.1	13.6	6	6
WB9590	74.6	67.0	72.3	79.5	81.2	74.9	59.8	14.3	4	4
SY 611 CL²	72.5	67.3	82.9	71.3	74.0	73.6	60.7	13.6	4	4
Elgin-ND	69.3	69.0	78.1	68.6	82.8	73.6	59.2	14.1	4	7
LCS Rebel	74.6	70.4	76.3	74.6	71.1	73.4	59.4	13.9	3	6
SY Rockford	70.8	74.1	83.8	60.9	76.8	73.3	58.9	13.4	6	5
Vida	72.0	66.0	77.6	60.5	79.8	71.2	58.0	13.8	5	5
SY McCloud	71.3	64.2	78.2	65.1	76.2	71.0	60.9	14.1	4	5
LCS Cannon	75.3	71.8	73.9	68.0	65.3	70.9	60.8	13.6	2	4
SY Longmire	70.9	64.9	71.4	72.8	73.8	70.8	60.4	13.8	5	5
SY Soren	71.8	71.9	75.8	65.2	67.4	70.4	60.2	14.1	4	4
WB9479	72.4	61.6	71.5	72.3	74.0	70.4	59.6	14.7	4	4
WB9879 CLP	70.1	62.0	82.2	72.6	64.6	70.3	59.4	14.2	6	5
Reeder	68.5	65.6	72.2	63.8	79.6	69.9	59.2	14.5	4	6
SY605 CL	70.1	62.9	79.2	67.8	68.7	69.7	60.1	14.3	3	6
SY Ingmar	69.9	66.5	75.9	65.3	69.1	69.3	60.2	14.4	5	4
Bolles	74.9	64.2	76.5	66.1	64.1	69.2	58.9	15.1	6	5
ND-VitPro	71.5	64.3	70.0	67.0	68.6	68.3	60.8	15.0	4	6
Lanning	73.0	64.6	71.1	55.1	76.7	68.1	59.6	14.3	4	5
Barlow	72.9	63.0	71.7	61.8	69.5	67.8	59.4	14.3	3	6
Glenn	70.1	57.2	65.5	66.1	65.7	64.9	60.5	15.3	3	6
Mean	72.1	66.0	76.4	66.0	73.4	71.5	59.9	14.1		
LSD (5%)		6.5	7.0	6.5		5.1	1.0	0.9		
CV %	7.1	4.9	5.7	4.9	9.9	7.0	1.7	5.0		

Numerical ratings: Heading: 1 = Early, Height: 1 = Short

All seed treated with CruiserMaxx® Vibrance® Cereals

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

Variety	Economic Return ¹		Yield (bu/ac)					2-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
SY Rockford	\$5.34	\$334.83	59.0	55.7	73.3	64.5	62.7	58.7	14.9	6	6
Shelly	\$5.14	\$318.87	53.7	55.6	76.7	66.1	62.0	60.9	14.7	6	5
SY 611 CL²	\$5.50	\$337.88	54.3	56.5	73.6	65.0	61.4	60.7	15.1	5	4
Vida	\$5.30	\$323.94	54.3	57.8	71.2	64.5	61.1	58.5	14.9	6	6
Elgin-ND	\$5.66	\$345.23	53.2	56.2	73.6	64.9	61.0	58.9	15.3	4	7
SY Valda	\$5.34	\$324.90	51.9	51.9	78.7	65.3	60.8	59.7	14.9	5	5
Faller	\$5.06	\$306.33	51.3	53.6	76.5	65.1	60.5	59.2	14.6	6	6
Reeder	\$5.89	\$351.05	54.1	54.7	69.9	62.3	59.6	59.5	15.6	4	6
SY McCloud	\$5.78	\$339.55	53.2	52.2	71.0	61.6	58.8	61.0	15.5	4	5
SY Ingmar	\$5.89	\$342.26	51.7	53.2	69.3	61.2	58.1	60.2	15.6	5	5
SY Longmire	\$5.66	\$326.61	49.9	52.5	70.8	61.6	57.7	60.1	15.3	4	5
Bolles	\$6.80	\$388.58	49.8	52.4	69.2	60.8	57.1	59.6	16.8	6	6
SY Soren	\$5.85	\$334.40	49.6	51.4	70.4	60.9	57.1	59.9	15.6	4	4
SY605 CL	\$6.05	\$343.45	47.9	52.6	69.7	61.1	56.7	60.5	15.8	2	6
Barlow	\$5.89	\$332.10	49.0	52.2	67.8	60.0	56.3	60.6	15.6	3	7
Glenn	\$6.41	\$359.19	51.5	51.7	64.9	58.3	56.1	61.3	16.3	2	7
WB9719				63.2	76.5	69.9		61.2	14.6	4	5
WB9590				57.8	74.9	66.4		60.0	15.8	4	4
ND-VitPro				50.4	68.3	59.4		61.3	15.9	4	6
Mean			52.0	53.5	71.5	52.9	56.9	60.1	15.3	4.3	
LSD (5%)			4.5	4.7	5.1	3.2	3.7	2.3	0.8	0.5	
CV %			7.4	6.2	7.0	5.7	7.7	3.0	3.5	14.4	
No. of Locs.			3	4	5	9	12	9	8	10	

Numerical ratings: Heading: 1= early; Height: 1 = short; Disease: 1 = no disease

2017 Locations: Berthold, Coleharbor, Richardton, ND

2018 Locations: Kenmare, Coleharbor, Richardton, ND and Scobey, MT

2019 Locations: Hettinger, Richardton, Coleharbor, Kenmare, ND and Scobey, 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 West Summary, Northern Plains Ranked by Economic Return

Variety	Economic Return ¹		Yield (bu/ac)					2-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
Bolles	\$6.80	\$388.58	49.8	52.4	69.2	60.8	57.1	59.6	16.8	6	6
Glenn	\$6.41	\$359.19	51.5	51.7	64.9	58.3	56.1	61.3	16.3	2	7
Reeder	\$5.89	\$351.05	54.1	54.7	69.9	62.3	59.6	59.5	15.6	4	6
Elgin-ND	\$5.66	\$345.23	53.2	56.2	73.6	64.9	61.0	58.9	15.3	4	7
SY605 CL	\$6.05	\$343.45	47.9	52.6	69.7	61.1	56.7	60.5	15.8	2	6
SY Ingmar	\$5.89	\$342.26	51.7	53.2	69.3	61.2	58.1	60.2	15.6	5	5
SY McCloud	\$5.78	\$339.55	53.2	52.2	71.0	61.6	58.8	61.0	15.5	4	5
SY 611 CL2	\$5.50	\$337.88	54.3	56.5	73.6	65.0	61.4	60.7	15.1	5	4
SY Rockford	\$5.34	\$334.83	59.0	55.7	73.3	64.5	62.7	58.7	14.9	6	6
SY Soren	\$5.85	\$334.40	49.6	51.4	70.4	60.9	57.1	59.9	15.6	4	4
Barlow	\$5.89	\$332.10	49.0	52.2	67.8	60.0	56.3	60.6	15.6	3	7
SY Longmire	\$5.66	\$326.61	49.9	52.5	70.8	61.6	57.7	60.1	15.3	4	5
SY Valda	\$5.34	\$324.90	51.9	51.9	78.7	65.3	60.8	59.7	14.9	5	5
Vida	\$5.30	\$323.94	54.3	57.8	71.2	64.5	61.1	58.5	14.9	6	6
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WB9719				63.2	76.5	69.9		61.2	14.6	4	5
WB9590				57.8	74.9	66.4		60.0	15.8	4	4
ND-VitPro				50.4	68.3	59.4		61.3	15.9	4	6
Mean			52.0	53.5	71.5	52.9	56.9	60.1	15.3	4.3	
LSD (5%)			4.5	4.7	5.1	3.2	3.7	2.3	0.8	0.5	
CV %			7.4	6.2	7.0	5.7	7.7	3.0	3.5	14.4	
No. of Locs.			3	4	5	9	12	9	8	10	

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