

Syngenta Data

2021 West Summary, Northern Plains

Variety	2021 Yield (bu/ac)			Test Wt. lbs/bu	Protein %	Heading 1-9
	Avg.	New Leipzig ND	Velva ND			
LCS Buster	38.3	39.9	36.7	60.1	13.7	7
AP Gunsmoke CL2	35.7	39.2	32.1	62.3	15.7	5
WB9606	35.2	40.3	30.2	63.6	14.6	5
SY Rockford	34.3	36.7	31.9	61.0	15.7	6
Vida	34.3	36.8	31.7	60.9	15.4	6
ND Frohberg	34.2	37.0	31.5	62.9	15.8	5
SY McCloud	34.0	37.4	30.6	63.5	16.3	4
Elgin-ND	33.9	36.3	31.6	62.0	15.5	5
Faller	33.5	36.1	30.8	61.5	14.3	6
Reeder	33.5	36.6	30.3	62.2	15.8	4
SY Longmire	33.3	35.1	31.6	62.6	15.5	5
MN-Torgy	33.3	36.2	30.4	62.8	15.0	5
WB9879CLP	33.0	35.4	30.7	61.5	15.6	6
Shelly	32.9	37.4	28.4	63.2	14.5	5
SY 611 CL2	32.8	35.3	30.3	63.4	15.6	5
AP Smith	32.7	36.4	29.1	62.8	15.8	5
Lanning	32.7	37.7	27.6	61.3	16.0	5
SY Ingmar	32.5	34.5	30.5	62.8	15.9	5
SY Valda	32.2	37.6	26.9	62.9	15.9	5
AP Murdock	31.1	36.8	25.3	61.7	15.6	4
LCS Cannon	30.4	36.2	24.6	64.1	15.1	3
ND VitPro	29.4	31.4	27.5	63.4	16.6	4
Glenn	29.3	34.2	24.5	63.9	16.2	3
SY605 CL	29.2	31.9	26.5	63.1	16.1	4
SY Soren	28.9	34.7	23.2	62.8	16.6	4
Mean	32.5	36.0	28.9	62.4	15.5	
LSD (5%)	3.2	4.3	4.0	0.7	0.7	
CV (%)	8.5	7.3	8.4	0.7	3.0	
No. of Locs.				2	2	

Note: *No yield data for Coleharbor or Kenmare, ND (drought)

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

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2021 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, 2019-2021

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

Variety	Yield (bu/ac)			Protein % 3-yr Avg	Economic Return ¹			Agronomics and Disease				
	3-yr Avg	2-yr Avg	2021		Rank	\$/Bu	Gross \$/A	Heading 1-9	Height 1-9	Lodging 1-9	BLS 1-9	FHB 1-9
Faller	73.0	69.2	33.5	13.9	1	8.64	\$630.6	6	6	7	3	3
SY Valda	71.4	63.4	32.2	14.2	2	8.77	\$626.5	5	5	5	4	4
Shelly	70.0	62.9	32.9	14.0	4	8.67	\$606.9	6	5	6	5	4
Elgin-ND	68.9	63.7	33.9	14.8	2	9.09	\$626.0	4	7	7	4	5
AP Gunsmoke CL2	66.8	59.7	35.7	14.8	4	9.09	\$606.9	5	5	4	5	4
SY 611 CL2	66.6	59.0	32.8	14.5	7	8.93	\$594.7	5	4	4	4	3
AP Smith	65.3	59.2	32.7	14.8	8	9.09	\$593.3	6	4	2	3	4
Vida	65.2	59.3	34.3	14.7	11	9.03	\$589.0	6	6	4	5	5
SY McCloud	64.7	58.5	34.0	15.1	6	9.24	\$598.0	4	5	4	5	4
SY Ingmar	64.4	59.1	32.5	15.0	9	9.19	\$591.8	5	5	3	3	3
Reeder	64.4	58.1	33.5	15.0	9	9.19	\$591.8	4	6	5	4	NA
AP Murdock	64.3	57.6	31.1	14.6	12	8.98	\$577.5	4	4	4	4	4
SY Rockford	64.3	54.5	34.3	14.7	15	9.03	\$580.9	6	6	4	7	3
SY Longmire	64.0	57.8	33.3	14.6	17	8.98	\$574.9	5	5	5	4	5
LCS Cannon	63.1	54.8	30.4	14.6	19	8.98	\$566.8	2	4	4	4	3
WB9879CLP	63.0	55.8	33.0	14.8	18	9.09	\$572.4	6	5	NA	4	NA
Lanning	62.5	57.0	32.7	15.2	12	9.29	\$580.9	4	5	4	5	5
SY Soren	62.1	53.8	28.9	15.2	16	9.29	\$577.2	4	4	3	5	4
SY605 CL	60.9	51.4	29.2	15.1	21	9.24	\$562.8	3	7	6	4	6
ND VitPro	60.6	53.8	29.4	15.7	14	9.55	\$579.0	4	5	6	3	4
Glenn	59.4	53.9	29.3	15.6	20	9.50	\$564.4	3	6	7	4	3
Mean	65.0	58.2	32.5	14.8								
LSD (5%)	3.8	5.6	3.2	0.5								
CV (%)	7.0	7.1	8.5	3.8								
No. of Locs.	10	5	2	8								

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

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

2020 Locations: New Leipzig, Coleharbor, Kenmare, ND

2021 Locations: New Leipzig, Velva, ND

¹ Three-year economic return calculated using Sept. local cash grain price of \$8.67 for 14% protein and 10-year average MGE protein premium/discounts (Mendota Wheat & Milling Associates, 2021).

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