

Syngenta Data

2021 South Dakota Summary

Variety	2021 Yield (bu/ac)			Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9
	Avg.	Northville SD	Selby SD				
LCS Buster	45.3	39.0	51.6	63.0	15.7	6	5
AP Gunsmoke CL2	44.1	40.4	47.9	64.0	16.4	4	5
Faller	43.5	38.8	48.3	62.6	16.7	6	7
WB9719	43.3	38.9	47.7	65.8	16.7	5	6
Driver	42.8	41.2	44.4	64.9	16.8	5	7
SY 611CL2	42.0	38.3	45.7	65.1	16.9	4	5
LCS Trigger	41.2	33.8	48.5	64.3	15.1	6	6
SY Ingmar	41.0	36.7	45.3	64.5	16.9	5	5
SY Valda	40.3	35.9	44.8	63.9	16.0	5	5
CP3530	39.7	34.8	44.7	63.1	17.3	5	7
MN-Torgy	38.6	33.1	44.1	64.8	17.6	5	5
WB9606	38.5	36.4	40.7	65.0	16.6	5	7
SY605 CL	37.4	34.8	40.0	63.7	17.0	3	6
Boost	37.3	41.0	33.6	63.2	17.7	5	6
AP Revolution	36.4	31.9	41.0	64.0	17.1	4	4
SY Rustler	36.2	32.0	40.5	62.7	16.6	4	4
Surpass	36.1	34.0	38.1	63.1	16.5	3	5
SY Soren	35.7	33.1	38.2	63.3	18.2	4	4
Prevail	35.0	30.7	39.2	63.3	16.5	4	5
AP Murdock	33.7	26.7	40.8	63.1	16.4	5	4
Mean	38.9	34.9	42.9	63.8	16.8		
LSD (5%)	5.1	5.8	7.7	—	—		
CV (%)	10.2	10.1	8.7	—	—		
No. of Locs.				1	1	2	1

*No yield data for Agar, SD (drought)

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 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 South Dakota Summary 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
LCS Trigger	57.5	54.6	41.2	14.6	4	8.98	\$516.4	7	6	6	4	2
Faller	55.3	52.3	43.5	15.6	1	9.50	\$525.4	6	6	7	3	3
WB9719	53.8	51.5	43.3	16.0	2	9.71	\$522.4	6	5	3	4	6
SY Valda	53.6	52.0	40.3	15.9	3	9.66	\$517.8	5	5	5	4	4
SY 611 CL2	50.8	48.0	42.0	16.3	5	9.71	\$493.3	5	4	4	4	3
CP3530	50.6	48.6	39.7	16.9	6	9.71	\$491.3	6	6	6	4	3
Surpass	50.0	47.3	36.1	16.1	7	9.71	\$485.5	3	6	7	5	5
AP Revolution	49.8	45.1	36.4	16.7	8	9.71	\$483.6	4	4	4	3	3
AP Murdock	49.7	45.5	33.7	16.1	9	9.71	\$482.6	4	4	4	4	4
SY Ingmar	49.5	47.5	41.0	16.6	10	9.71	\$480.7	5	5	3	3	3
SY Rustler	49.5	45.6	36.2	16.4	10	9.71	\$480.7	4	5	4	5	5
Boost	48.0	45.3	37.3	16.9	12	9.71	\$466.1	6	6	6	3	4
Prevail	47.6	44.9	35.0	16.0	13	9.71	\$462.2	4	6	5	5	4
SY Soren	44.0	43.0	35.7	16.8	14	9.71	\$427.2	4	4	3	5	4
AP Gunsmoke CL2		49.2	44.1					5	5	4	5	4
SY605 CL		45.9	37.4					3	7	6	4	6
Driver		51.6	42.8					5	7	NA	4	NA
Mean	50.7	48.1	38.9	16.2								
LSD (5%)	4.3	4.4	5.1	0.5								
CV (%)	7.5	8.0	10.2	2.2								
No. of Locs.	7	5	2	4								

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

2019 Locations: Northville and Selby, SD

2020 Locations: Agar, Northville, and Selby, SD

2021 Locations: Northville and Selby, SD

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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