

## 2023 Performance Summary, Syngenta Data South Dakota

Variety	2023 Yield bu/ac			Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9
	Avg.	Selby, SD	Webster, SD				
AP Gunsmoke CL2	62.2	56.6	67.9	62.6	16.0	5	5
SY Valda	60.9	56.6	65.2	62.0	16.1	5	5
SY Ingmar	55.1	47.6	62.6	63.0	16.7	5	5
AP Revolution	51.4	46.4	56.5	62.4	16.5	4	4
AP Murdock	46.7	44.0	49.4	61.6	16.4	4	4
WB9719	<b>76.0</b>	66.8	85.2	64.1	15.6	6	5
LCS Trigger	<b>75.7</b>	69.9	81.5	62.7	13.5	6	6
LCS Buster	<b>74.9</b>	72.7	77.2	61.0	13.8	7	6
Brawn-SD	<b>74.2</b>	62.7	85.7	63.8	15.1	6	6
Ascend-SD	<b>71.9</b>	61.4	82.4	62.4	16.4	5	6
Driver	68.5	62.9	74.2	62.9	15.8	5	7
CP3530	56.5	50.8	62.3	61.5	15.9	6	6
LCS Cannon	49.2	44.7	53.7	63.4	16.5	2	5
Mean	63.5	57.2	69.8	61.8	15.6		
LSD (5%)	10.7	6.1	11.4	1.3	0.5		
CV (%)	7.1	5.3	8.0	0.7	2.1		
No. of Locs.	2			2	2		

Numbers in **bold type** are in the top yielding group and considered statistically similar.

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 2023 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.

## Three-Year Performance Summary, Syngenta Data (2021-2023)

### South Dakota

Variety	Yield Average bu/ac			Protein % 3-yr Avg	Economic Return <sup>1</sup>			Agronomics and Disease				
	3-yr	2-yr	2023		\$/Bu	Gross \$/A	Rank	Heading 1-9	Height 1-9	Lodging 1-9	BLS 1-9	FHB 1-9
<b>SY Valda</b>	<b>53.4</b>	58.7	60.9	15.5	7.00	373.80	2	5	5	5	4	4
<b>AP Gunsmoke CL2</b>	<b>52.9</b>	56.4	62.2	15.8	7.12	376.30	1	5	5	3	5	4
<b>SY Ingmar</b>	51.1	55.1	55.1	16.2	7.23	369.20	4	5	5	3	3	3
<b>AP Revolution</b>	49.5	54.7	51.4	16.0	7.23	357.60	6	4	4	4	3	3
<b>AP Murdock</b>	46.9	52.2	46.7	15.8	7.11	333.80	7	4	4	4	4	4
LCS Buster	<b>59.6</b>	65.3	74.9	13.9	6.26	372.80	3	7	6	—	—	—
LCS Trigger	<b>58.8</b>	65.8	75.7	13.9	6.26	367.60	5	6	6	3	4	3
Ascend-SD	—	66.3	71.9	—	—	—	—	5	6	—	—	—
CP3530	—	54.3	56.5	—	—	—	—	6	6	6	4	3
Mean	59.1	59.1	63.5	15.1								
LSD (5%)	6.9	6.9	10.7	0.6								
CV (%)	5.9	5.9	7.1	3.0								
No. of Locs.	5	5	2	5								

Numbers in **bold type** are in the top yielding group and considered statistically similar.

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

2021 Locations: Northville and Selby, SD

2022 Locations: Agar, Northville, Selby, and Webster, SD

2023 Locations: Selby, and Webster, SD

<sup>1</sup> Economic return calculated using October local cash grain price of \$6.29 for 14% protein and 10-yr avg MGE protein discount/premium up to 16% protein (Mendota Wheat & Milling Associates, 2023).

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