

## 2024 Performance Summary, Syngenta Data Eastern North Dakota and Minnesota

	2024 Yield bu/ac										
Variety	Avg.	Crookston, MN	Casselton, ND	Drayton, ND	Langdon, ND	Park River, ND	Warren, MN	<b>Test Wt.</b> Ibs/bu	Protein %	Heading 1-9	<b>Height</b> 1-9
AP Elevate	92.8	107.0	90.6	81.3	80.5	86.8	110.7	59.2	15.0	6	4
SY Valda	90.1	104.2	92.3	67.2	83.0	89.3	104.8	57.9	14.6	5	5
SY Ingmar	87.9	89.1	85.7	82.9	80.4	87.2	102.0	58.8	15.0	5	5
AP Gunsmoke CL2	86.8	95.1	86.9	74.1	72.4	88.9	103.3	58.7	14.9	5	5
AP Murdock	85.9	96.3	90.5	65.3	79.2	76.5	107.9	58.8	14.1	4	4
AP Smith	84.9	87.1	88.3	75.1	75.9	82.6	100.6	58.7	15.0	6	4
SY 611 CL2	84.3	103.4	87.9	62.4	74.1	82.6	95.4	57.1	15.0	5	4
SY Longmire	78.7	90.7	81.4	67.7	71.7	82.6	78.4	53.7	14.7	5	5
MN-Rothsay	90.2	97.2	85.8	71.7	88.9	92.1	105.6	60.2	14.6	6	5
WB9606	89.3	93.4	92.9	74.5	90.3	84.8	99.5	60.0	14.1	5	6
LCS Cannon	87.7	95.0	92.4	82.4	78.3	84.7	93.2	60.9	14.2	2	5
Shelly	85.8	87.4	82.3	67.8	83.0	90.0	104.5	60.3	14.3	6	5
MN-Torgy	84.7	92.8	87.0	55.6	82.0	88.5	102.4	60.3	14.9	6	6
WB9590	83.8	95.8	75.6	72.6	79.8	81.3	97.6	57.1	15.1	4	4
Faller	83.7	95.0	88.7	60.1	70.9	90.4	97.0	58.9	14.6	6	7
Ascend-SD	82.2	90.7	78.2	62.2	72.1	89.5	100.8	59.4	14.7	6	8
WB9719	81.2	85.0	83.0	66.4	75.2	87.1	90.7	57.2	14.4	6	5
ND Thresher	76.1	89.7	75.9	53.4	65.3	84.4	88.2	55.3	14.8	6	5
ND Frohberg	75.5	86.8	79.6	49.3	61.9	73.7	101.7	59.3	15.1	5	6
Mean	82.7	89.8	83.0	65.5	75.4	85.1	97.7	58.1	14.3		
LSD (5%)	7.0	14.3	9.8	10.9	14.4	13.6	18.5	2.1			
CV (%)	9.2	7.8	5.8	8.2	9.4	7.9	9.3	2.4	8.1		
No. of Locs.	6							6	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

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2024 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.

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## Three-Year Performance Summary, Syngenta Data (2022-2024) Eastern North Dakota and Minnesota

	Yield	Average	bu/ac	Protein %	Eco	nomic Retu	ı <b>rn</b> 1	Agronomics and Disease					
				3-yr		Gross		Heading	Height	Lodging	BLS	FHB	
Variety	3-yr	2-yr	2024	Avg	\$/Bu	\$/A	Rank	1-9	1-9	1-9	1-9	1-9	
AP Elevate	88.1	89.1	92.8	15.0	6.35	559	1	6	4	3	4	4	
SY Valda	87.7	88.9	90.1	14.5	6.07	533	9	5	5	5	4	4	
AP Smith	84.1	84.4	84.9	15.1	6.39	537	6	6	4	2	3	4	
SY 611 CL2	83.3	83.7	84.3	15.3	6.48	540	5	5	4	4	4	3	
AP Gunsmoke CL2	83.1	84.2	86.8	15.2	6.44	535	7	5	5	3	5	4	
AP Murdock	83.0	84.1	85.9	14.6	6.12	508	15	4	4	4	4	4	
SY Ingmar	82.8	83.6	87.9	15.4	6.56	544	4	5	5	3	3	3	
SY Longmire	78.7	78.1	78.7	15.3	6.47	509	14	5	5	5	4	5	
WB9606	89.7	90.7	89.3	14.2	5.90	530	10	5	6	5	6	5	
MN-Rothsay	88.7	90.6	90.2	14.9	6.28	557	2	6	5	4	4	4	
Shelly	87.4	87.8	85.8	14.6	6.12	535	8	6	5	6	5	4	
Faller	85.7	87.0	83.7	14.5	6.05	518	12	6	7	7	3	3	
MN-Torgy	85.5	86.4	84.7	15.3	6.50	556	3	6	6	5	3	3	
LCS Cannon	84.3	84.7	87.7	14.7	6.17	520	11	2	5	4	4	3	
ND Frohberg	77.8	78.9	75.5	15.4	6.55	510	13	5	6	7	3	4	
WB9590		86.1	83.8					4	4	2	6	6	
WB9719		86.0	81.2					6	5	2	5	6	
Ascend-SD			82.2					6	8	7	3	4	
ND Thresher			76.1					6	5	7	3	NA	
Mean	85.6	87.5	82.7	14.8									
LSD (5%)	4.1	4.5	7.0	0.4									
CV (%)	6.9	7.1	9.2	3.4									
No. of Locs.	16	13	6	15									

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

2022 Locations: McVille, Thompson, and Park River, ND; Warren, MN

2023 Locations: Casselton, McVille, Park River, and Valley City, ND; Crookston, Glyndon, and Warren, MN

2024 Locations: Casselton, Drayton, Langdon and Park River, ND; Crookston, and Warren, MN

<sup>1</sup> Economic return calculated by using the three-year yield average multiplied by the average grain price (\$5.80/bu) on 10/8/2024 from 18 locations in ND/SD/MN. (+) 10.6 cents per 1/5th premium over 14% protein, (-) 12.0 cents per 1/5 discount under 14% protein.

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