

2020 South Dakota Summary, Northern Plains

Variety	Yield (bu/ac)				Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9	BLS 1-9
	Avg.	Agar SD	Northville SD	Selby SD					
Prevail	63.7	70.8	78.5	41.7	61.8	14.6	7.2	6.2	4.0
SY Valda	59.8	62.3	74.2	42.8	62.3	16.0	5.8	4.6	4.0
Faller	58.2	66.7	68.3	39.7	60.9	15.3	5.5	5.8	4.7
Driver	57.5	63.5	71.0	38.2	62.7	16.2	5.5	6.4	4.0
WB9719	56.9	62.2	70.3	38.3	63.2	15.9	5.8	4.6	3.3
HRS 3504	54.8	60.4	69.4	34.5	61.1	16.2	3.3	5.7	3.0
HRS 3530	54.5	55.6	67.0	41.0	61.2	17.1	6.0	6.6	4.7
SY Rockford	53.4	57.5	70.8	31.8	62.0	16.2	6.3	5.1	5.7
WB9590	53.1	56.8	69.8	32.7	61.0	17.1	4.2	3.7	4.3
SY 611 CL²	52.1	56.7	65.6	34.0	62.2	16.2	5.3	4.3	3.7
SY Ingmar	51.8	58.3	62.0	35.1	62.0	16.7	5.8	4.9	3.3
AP Murdock	51.8	59.4	64.8	31.1	61.2	16.5	4.0	4.4	4.3
SY605 CL	51.5	60.0	69.0	25.6	61.7	17.1	3.3	6.2	5.3
Surpass	51.5	53.9	65.4	35.3	60.9	16.1	4.0	5.2	3.7
Boost	50.9	56.6	64.2	31.8	62.5	16.9	3.3	6.8	4.7
LCS Trigger	50.6	53.3	66.9	31.7	61.0	16.8	6.2	6.4	3.0
SY Soren	48.0	51.2	68.2	24.4	60.4	16.8	4.3	4.0	4.3
SY Rustler	47.2	49.3	69.1	23.3	58.0	16.7	3.7	4.7	4.7
Mean	51.8	56.4	66.3	32.7	61.4	16.3			
LSD [0.05]	5.4	4.2		5.6	1.5	0.5			
CV (%)	7.8	5.6		7.5	0.9	1.8			

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 2020 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, 2018-2020

Three-Year South Dakota Summary, Northern Plains Ranked by Three-Year Yield Average

Variety	Yield (bu/ac)			Protein % 3-Year Avg	3-Year Economic Return ¹			Agronomics and Disease				
	3-yr Avg	2-yr Avg	2020		Rank	Gross \$/A	\$/Bu	Heading 1-9	Height 1-9	Lodging 1-9	BLS 1-9	FHB 1-9
Prevail	59.2	63.8	63.7	14.9	5	\$311.89	\$5.27	4	6	5	4	3
Faller	58.2	60.0	58.2	14.8	11	\$303.08	\$5.20	6	6	6	3	3
SY Valda	56.0	58.8	59.8	15.4	3	\$314.38	\$5.61	5	5	5	4	4
WB9719	56.0	58.0	56.9	15.4	4	\$314.05	\$5.61	5	5	5	4	6
LCS Trigger	55.8	56.3	50.6	15.1	12	\$301.71	\$5.41	6	6	6	3	2
HRS 3504	55.4	55.6	54.8	15.3	9	\$306.86	\$5.54	5	5	4	3	5
AP Murdock	54.2	56.2	53.4	15.6	6	\$311.48	\$5.75	4	4	3	4	3
HRS 3530	53.3	54.9	54.5	16.1	1	\$320.63	\$6.02	6	7	7	4	3
SY 611 CL²	52.8	54.4	52.1	15.5	14	\$299.85	\$5.68	5	4	4	4	2
SY Rustler	52.5	54.8	51.8	16.0	2	\$315.99	\$6.02	3	5	5	4	3
SY Ingmar	51.2	52.9	51.8	16.1	8	\$308.04	\$6.02	5	5	3	3	2
WB9590	50.4	52.4	53.1	16.1	10	\$303.23	\$6.02	4	4	3	6	5
Surpass	50.3	51.5	51.5	15.9	15	\$299.15	\$5.95	3	5	7	4	2
Boost	50.0	51.6	50.9	16.1	13	\$301.00	\$6.02	5	7	6	3	2
SY Rockford	47.0	46.5	47.2	16.0	16	\$283.06	\$6.02	6	5	6	6	2
SY Soren	46.8	47.3	48.0	16.1	17	\$281.68	\$6.02	4	4	3	4	3
Mean	53.1	53.7	51.8	15.6								
LSD [0.05]	3.9	5.3	5.4	0.7								
CV (%)	7.4	7.4	7.8	3.5								
No. of Locs.	8	5	3	5								

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

2018 Locations: Agar, Northville, and Selby, SD

2019 Locations: Northville and Selby, SD

2020 Locations: Agar, Northville, and Selby, SD

¹ Economic return calculated using Sept. local cash grain price of \$4.66 for 14% protein and 10-year average MGE protein premium/discounts (Mendota Wheat & Milling Associates).

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2020 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, 2018-2020

Three-Year South Dakota Summary, Northern Plains Ranked by Three-Year Economic Return

Variety	3-Year Economic Return ¹		Protein % 3-Year Avg	Yield (bu/ac)				Agronomics and Disease				
	Gross \$/A	\$/Bu		3-yr Rank	3-yr Avg	2-yr Avg	2020	Heading 1-9	Height 1-9	Lodging 1-9	BLS 1-9	FHB 1-9
HRS 3530	\$320.63	\$6.02	16.1	8	53.3	54.9	54.5	6	7	7	4	3
SY Rustler	\$315.99	\$6.02	16.0	10	52.5	54.8	51.8	3	5	5	4	3
SY Valda	\$314.38	\$5.61	15.4	3	56.0	58.8	59.8	5	5	5	4	4
WB9719	\$314.05	\$5.61	15.4	4	56.0	58.0	56.9	5	5	5	4	6
Prevail	\$311.89	\$5.27	14.9	1	59.2	63.8	63.7	4	6	5	4	3
AP Murdock	\$311.48	\$5.75	15.6	7	54.2	56.2	53.4	4	4	3	4	3
SY Ingmar	\$308.04	\$6.02	16.1	12	51.2	52.9	51.8	5	5	3	3	2
HRS 3504	\$306.86	\$5.54	15.3	6	55.4	55.6	54.8	5	5	4	3	5
WB9590	\$303.23	\$6.02	16.1	13	50.4	52.4	53.1	4	4	3	6	5
Faller	\$303.08	\$5.20	14.8	2	58.2	60.0	58.2	6	6	6	3	3
LCS Trigger	\$301.71	\$5.41	15.1	5	55.8	56.3	50.6	6	6	6	3	2
Boost	\$301.00	\$6.02	16.1	15	50.0	51.6	50.9	5	7	6	3	2
SY 611 CL²	\$299.85	\$5.68	15.5	9	52.8	54.4	52.1	5	4	4	4	2
Surpass	\$299.15	\$5.95	15.9	14	50.3	51.5	51.5	3	5	7	4	2
SY Rockford	\$283.06	\$6.02	16.0	16	47.0	46.5	47.2	6	5	6	6	2
SY Soren	\$281.68	\$6.02	16.1	17	46.8	47.3	48	4	4	3	4	3
Mean			15.6		53.1	53.7	51.8					
LSD [0.05]			0.7		3.9	5.3	5.4					
CV (%)			3.5		7.4	7.4	7.8					
No. of Locs.			5		8	5	3					

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

2018 Locations: Agar, Northville, and Selby, SD

2019 Locations: Northville and Selby, SD

2020 Locations: Agar, Northville, and Selby, SD

¹ Economic return calculated using Sept. local cash grain price of \$4.66 for 14% protein and 10-year average MGE protein premium/discounts (Mendota Wheat & Milling Associates).

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2020 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.