

2019 South Dakota Summary

Variety	Yield (bu/ac)				Test Wt. lbs/bu	Protein %	Lodging 1-9	Heading 1-9	Height 1-9	BLS 1-9	FHB 1-9
	Selby SD	Northville ND	Agar SD	Avg.							
LCS Trigger	70.4	58.9	Hail	64.7	57.5	14.2	8	7	6	2	2
Prevail	73.2	54.8	Hail	64.0	58.4	15.1	5	3	6	3	3
Faller	70.3	54.9	Hail	62.6	57.5	15.1	8	5	6	2	3
WB9719	66.7	52.6	Hail	59.6	58.8	15.3	6	6	4	4	6
SY Rustler	66.1	52.4	Hail	59.3	58.1	16.1	5	4	5	4	3
SY 611 CL2	68.9	46.7	Hail	57.8	57.5	15.9	5	4	4	4	2
SY Valda	72.2	42.6	Hail	57.4	56.8	15.3	7	5	5	4	4
HRS 3504	60.0	53.9	Hail	56.9	56.7	14.8	6	5	4	3	5
HRS 3530	67.5	43.2	Hail	55.4	57.2	16.3	8	6	7	3	3
SY Ingmar	63.4	45.7	Hail	54.6	59.4	16.3	3	5	5	3	2
Focus	60.9	47.9	Hail	54.4	60.3	16.2	7	3	7	4	2
Lang-MN	63.3	44.7	Hail	54.0	58.1	16.2	5	6	6	2	2
Boost	58.8	46.4	Hail	52.6	57.8	16.1	8	5	7	2	2
Surpass	55.7	47.0	Hail	51.4	56.3	16.1	8	3	6	3	2
WB9590	63.0	39.6	Hail	51.3	59.4	16.5	4	5	4	7	5
Ambush	58.3	43.1	Hail	50.7	58.4	16.4	7	4	4	4	4
SY McCloud	55.8	43.6	Hail	49.7	58.9	16.4	6	4	5	4	3
ND-VitPro	54.5	43.2	Hail	48.8	60.3	16.3	7	5	6	3	2
SY Soren	57.2	35.6	Hail	46.4	57.8	15.5	5	4	4	4	3
SY Rockford	63.1	27.8	Hail	45.4	55.5	15.9	7	6	5	7	2
Mean	63.8	45.5		54.6	58.1	15.8	5.3	4.4		3.4	2.8
LSD (5%)	4.4	8.0									
CV %	4.2	10.8		7.3							

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

All seed treated with CruiserMaxx® Vibrance® Cereals

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2019 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, 2017-2019

Three-Year South Dakota Summary Ranked by Three-Year Yield Average

Variety	Economic Return ¹		Yield (bu/ac)					3-Yr Avg			
	\$/Bu	Gross \$/a	2017	2018	2019	2-yr Avg	3-yr Avg	Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9
LCS Trigger	\$4.71	\$252.39	42.7	53.4	64.7	59.1	53.6	58.7	14.1	7	4
Prevail	\$5.58	\$286.79	42.2	48.0	64.0	56.0	51.4	59.3	15.2	3	6
HRS 3504	\$5.42	\$273.85	42.6	51.9	57.0	54.5	50.5	58.1	15.0	5	5
Faller	\$5.18	\$260.38	36.0	52.1	62.6	57.3	50.2	58.7	14.7	5	6
SY Valda	\$5.58	\$276.16	42.8	48.3	57.4	52.9	49.5	58.1	15.2	5	4
HRS 3530	\$6.13	\$292.63	39.3	48.5	55.4	51.9	47.7	58.0	15.9	6	6
SY Rustler	\$6.29	\$299.70	39.6	44.1	59.3	51.7	47.7	58.6	16.1	3	4
Boost	\$6.21	\$286.70	42.2	43.7	52.6	48.2	46.2	58.6	16.0	5	5
Surpass	\$6.53	\$300.96	41.8	45.1	51.4	48.3	46.1	57.6	16.4	3	6
SY Ingmar	\$6.37	\$292.86	38.2	45.2	54.6	49.9	46.0	59.6	16.2	5	5
Focus	\$6.21	\$284.97	40.6	42.7	54.4	48.5	45.9	60.2	16.0	3	7
Ambush	\$6.29	\$284.41	38.4	46.6	50.7	48.6	45.2	59.3	16.1	4	4
SY Rockford	\$6.05	\$266.08	40.5	46.0	45.4	45.7	44.0	56.9	15.8	6	5
SY McCloud	\$6.45	\$277.94	38.1	41.5	49.7	45.6	43.1	59.8	16.3	4	5
SY Soren	\$6.21	\$257.82	34.8	43.3	46.4	44.9	41.5	58.6	16.0	4	4
WB9719				50.5	59.6	55.1		59.5	15.2	4	4
SY 611 CL²				47.4	57.8	52.6		58.8	15.6	4	4
Lang-MN				49.7	54.0	51.9		59.4	15.6	6	6
WB9590				45.6	51.3	48.5		59.4	16	4	4
ND-VitPro				45.3	48.8	47.1		59.9	16.2	5	6
Mean				3.8		3.5	3.0	61.4	15.4	4.2	5.0
LSD (5%)				5.8	7.3	6.2	6.3	1.0	0.5	0.5	
CV %								1.5	3.0	6.6	
No. of Locs.			1	4	2	6	7	6	5	3	5

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All seed treated with CruiserMaxx® Vibrance® Cereals

2017 Location: Selby, SD

2018 Locations: Agar, Selby, Northville, SD and Hettinger, ND

2019 Locations Selby and Northville, SD

¹ Economic return calculated using Sept. local cash grain price of \$4.63 for 14% protein and 10-year average MGE protein premium/discounts (Mendota Wheat & Milling Associates).

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Syngenta Data, 2017-2019

Three-Year South Dakota Summary Ranked by Economic Return

Variety	Economic Return ¹		Yield (bu/ac)					3-Yr Avg			
	\$/Bu	Gross \$/a	2017	2018	2019	2-yr Avg	3-yr Avg	Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9
Surpass	\$6.53	\$300.96	41.8	45.1	51.4	48.3	46.1	57.6	16.4	3	6
SY Rustler	\$6.29	\$299.70	39.6	44.1	59.3	51.7	47.7	58.6	16.1	3	4
SY Ingmar	\$6.37	\$292.86	38.2	45.2	54.6	49.9	46	59.6	16.2	5	5
HRS 3530	\$6.13	\$292.63	39.3	48.5	55.4	51.9	47.7	58	15.9	6	6
Prevail	\$5.58	\$286.79	42.2	48	64	56	51.4	59.3	15.2	6	6
Boost	\$6.21	\$286.70	42.2	43.7	52.6	48.2	46.2	58.6	16	5	5
Focus	\$6.21	\$284.97	40.6	42.7	54.4	48.5	45.9	60.2	16	3	7
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Lang-MN				49.7	54	51.9		59.4	15.6	6	6
WB9590				45.6	51.3	48.5		59.4	16	4	4
ND-VitPro				45.3	48.8	47.1		59.9	16.2	5	6
Mean				3.8		3.5	3.0	61.4	15.4	4.2	5.0
LSD (5%)				5.8	7.3	6.2	6.3	1.0	0.5	0.5	
CV %								1.5	3.0	6.6	
No. of Locs.			1	4	2	6	7	6	5	3	5

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

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