

2018 South Dakota Summary

Variety	Yield (bu/ac)					Test Wt. lbs/bu	Protein %	Heading 1-9
	Hettinger ND	Agar SD	Selby SD	Northville SD	Avg.			
LCS Trigger	48.5	56.1	42.4	66.6	53.4	59.9	14.0	7
Faller	42.2	53.6	43.7	68.8	52.1	59.8	14.5	6
HRS 3504	43.2	57.5	42.5	64.6	51.9	59.4	15.1	5
WB9719	44.3	51.8	43.9	62.0	50.5	60.2	15.0	5
WB9653	43.2	51.0	41.8	64.0	50.0	59.8	14.9	5
Lang-MN	44.5	51.9	42.5	59.9	49.7	60.6	15.4	6
HRS 3530	42.1	50.0	39.7	62.1	48.5	58.8	15.4	5
SY Valda	39.4	50.9	38.9	64.2	48.3	59.4	15.2	5
Advance	42.2	50.6	40.2	60.2	48.3	61.3	14.9	4
Prevail	37.8	50.2	41.2	62.8	48.0	60.2	15.3	3
Ambush	45.9	46.9	36.7	56.8	46.6	60.1	15.8	3
SY Rowyn	35.5	51.3	37.1	61.7	46.4	60.4	14.9	3
SY Rockford	40.5	43.5	43.4	56.8	46.0	58.2	15.6	6
WB9590	41.1	44.7	38.8	57.6	45.6	59.4	15.4	4
ND-VitPro	41.4	46.5	37.5	55.9	45.3	59.5	16.1	4
SY Ingmar	35.9	46.4	39.3	59.1	45.2	59.8	16.0	5
Surpass	35.7	47.3	35.9	61.6	45.1	58.9	16.2	3
SY Rustler	30.4	50.0	34.9	61.1	44.1	58.9	16.1	3
Boost	32.6	44.4	39.6	58.2	43.7	59.3	15.8	5
SY Soren	35.7	45.5	37.1	55.1	43.3	59.3	15.9	4
Focus	32.2	44.1	33.6	60.8	42.7	60.1	15.8	2
Mean	38.8	48.8	39.1	59.9	46.6	59.8	15.5	4.4
LSD (5%)	5.1		4.1	3.9	3.8	1.3	0.8	0.7
CV %	8.0		6.4	4.0	5.8	1.3	3.1	10.4

Numerical ratings: Heading: 1= early

These agronomic assessments are made by Syngenta scientists and reflect each variety's relative performance within these characteristics through the 2018 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, 2016-2018

Three-Year South Dakota Summary Ranked by Yield

Variety	Economic Return ¹		Yield (bu/ac)					3-Yr Avg			
	\$/Bu	Gross \$/a	2016	2017	2018	2-yr Avg	3-yr Avg	Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9
WB9653	\$6.32	\$295.90	42.3	43.1	50.0	48.6	46.8	61.1	14.9	5	5
SY Valda	\$6.47	\$302.45	45.5	42.8	48.3	47.2	46.7	60.8	15.1	5	4
Faller	\$6.32	\$294.13	40.7	36.0	52.1	48.9	46.5	61.4	14.9	6	6
Prevail	\$6.55	\$304.28	45.5	42.2	48.0	46.9	46.5	61.5	15.2	3	5
SY Rowyn	\$6.39	\$287.55	44.3	41.0	46.4	45.3	45.0	61.5	15.0	3	5
Advance	\$6.24	\$278.61	43.0	33.4	48.3	45.3	44.6	62.5	14.8	4	5
HRS 3530	\$6.79	\$299.45	37.8	39.3	48.5	46.6	44.1	60.8	15.5	5	6
SY Ingmar	\$6.95	\$306.10	44.7	38.2	45.2	43.8	44.0	61.5	15.7	5	4
SY Rustler	\$6.95	\$296.45	41.3	39.6	44.1	43.2	42.7	60.3	15.7	3	4
Focus	\$7.03	\$295.55	41.5	40.6	42.7	42.3	42.0	62.0	15.8	2	6
SY Soren	\$7.19	\$298.62	41.3	34.8	43.3	41.6	41.5	61.5	16.0	4	4
SY Rockford				40.5	46.0	44.9					
Surpass				41.8	45.1	44.5					
Boost				42.2	43.7	43.4					
LCS Trigger				42.7	53.4	51.3					
Ambush				38.4	46.6	44.9					
HRS 3504				42.6	51.9	50.1					
Mean			42.0	39.2	46.6	45.5	44.3	61.4	15.4	4.2	
LSD (5%)					3.8	3.5	3.0	1.0	0.5	0.5	
CV %			6.3		5.8	6.2	6.3	1.5	3.0	6.6	
No. of Locs.			2	1	4	5	7	6	5	3	

Numerical ratings: Heading: 1 = early; Height: 1 = short

2016 Locations: Agar and Selby, SD

2017 Locations: Selby, SD

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

¹ Economic return calculated using Sept local cash grain price of \$5.60 for 14% protein and 10 yr avg MGE protein premium/discounts (Mendota Wheat & Milling Associates).

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Syngenta Data, 2016-2018

Three-Year South Dakota Summary Ranked by Economic Return

Variety	Economic Return ¹		Yield (bu/ac)					3-Yr Avg			
	\$/Bu	Gross \$/a	2016	2017	2018	2-yr Avg	3-yr Avg	Test Wt. lbs/bu	Protein %	Heading 1-9	Height 1-9
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