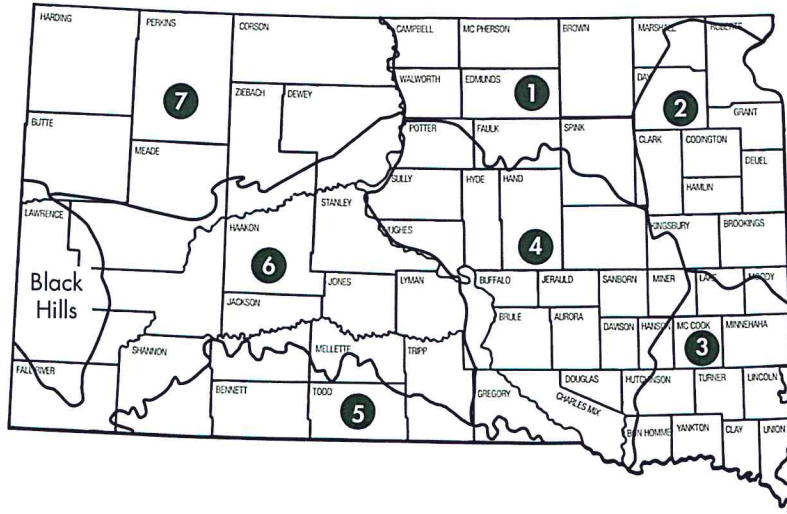


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Recommended/Promising Spring Wheat Varieties for Spring 2016 by Crop Zone†

Zone - 1	Zone - 2	Zone - 3	Zone - 4	Zone - 5	Zone - 6	Zone - 7
Advance Prevail‡ Faller Prosper RB07 SY Rowyn	Focus Forefront Prevail‡ Faller Prosper Sy Rowyn	Not Evaluated§	Advance Brick Prevail‡ Faller Prosper Sy Rowyn	Not Evaluated§	Brick Focus Forefront Prevail‡ Faller Prosper RB07	Advance Focus Prevail‡ Faller Prosper RB07

Promising

Focus MS Chevelle‡ HRS 3504	Brick HRS 3419 HRS 3504	Not Evaluated§	NA	Not Evaluated§	MS Chevelle‡ HRS 3378 HRS 3419 WB9507‡	NA
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† Crop Zones for small grains are base on soil & climate information.

‡ Variety is susceptible or moderately susceptible to Fusarium Head Blight (Scab).

§ Varieties are not evaluated in this zone, however it is suggested to select a variety that appears frequently in the recommended list across all zones for the state or neighboring zones.

Trial Highlights

Spring wheat variety selection is a significant and important management decision on the farm. The yield difference in 2015 between the highest and lowest performing varieties in South Dakota was 33 bu/acre and protein content ranged from 13.3% to 16.6% (Table 2). Assuming an average cash price of \$4.50 and a protein premium/discount schedule from a prominent SD elevator chain at harvest 2015, the difference in profit per acre attributed to variety selection could be as much as \$152.26/acre.

For eastern (East River) locations, the average yield from spring wheat variety trials was 12 bu/ac lower than in 2014, at 54 bu/ac. The Miller location was destroyed by hail shortly prior to harvest. Lowest and highest yielding locations were at Aberdeen (41 bu/ac) and Selby (71 bu/ac), respectively (Table 1a). The only variety that made the top yield group when combining all East River locations (LSD 0.05) was **LCS Trigger**. For western (West River) locations, the average yield at from spring wheat variety trials was 7 bu/ac higher than in 2014, at 53 bu/ac. The location at Bison was abandoned due to poor emergence and the location at Draper was destroyed by hail. As a result, the Wall location was the only West River site with data in 2015. Varieties that made the top yield group at Wall were **MS Chevelle**, **HRS 3419**, **HRS 3530**, **Prosper**, **RB07**, **SY Valda**, and **LCS Trigger** (Table 1b).

In 2015, South Dakota experienced a very dry spring followed by a growing season with near normal temperatures. Precipitation was variable, as some areas, especially East River, received almost no rainfall from early spring to mid-May. Emergence of spring wheat was variable in many areas due to the dry conditions. Widespread rain events from mid-May on contributed to overall good growing conditions in the state. However, some areas received an excess of rainfall and significant wind and hail events. Some areas (especially the north-east corner of the state) experienced some Fusarium head blight (scab) pressure and stripe rust was a problem in most of the state until warm weather in July caused it to dissipate. A relative lack of hot temperatures led to a stress-free grain fill period and later-maturing varieties performed well this year. For example, when looking at statewide performance, the top yielding varieties **LCS Trigger**, **Prevail**, **SY Valda**, and **HRS 3419** (Table 2) are an average of six days later than the check variety **Brick**. During the hot, dry year growing season of 2012, early maturing varieties such as **Brick**, **Select**, and **Forefront** tended to perform better. Due to the variability of South Dakota weather, it is important to select complementary varieties with a range of maturities each year. To maximize the utility of the crop performance

testing trials, we encourage growers to identify varieties with a proven record of performance of over a 3-yr period (Tables 3a & 3b) and, more specifically, the recommended varieties on the cover page. Recommendations are based on both yield and protein performance. There are eight varieties in the top yield group for both East and West River locations (Table 3) over the last 3 years: **Advance**, **LCS Albany**, **Faller**, **Focus**, **Forefront**, **Prevail**, **Prosper**, and **MS Stingray**. The testing program often has the opportunity to test experimental lines that later have potential to be released as varieties (Table 4), i.e. **SD 4299**. Also, the spring wheat variety characteristics or qualities in Table 4 may be used to select for factors that provide good protection against yield-limiting factors in various production systems, i.e. lodging, low protein, or disease.

Practices and Methods

East River: Four replications of each variety are planted at each location. Locations are seeded at 42 pure live seeds (PLS)/ft² or about 1.8 million seeds/ac by a drill with 7.5-inch row spacing. Plots are 5-ft wide and 13-ft long at harvest performed with a small-plot combine. Plots are fertilized appropriately to achieve 60 to 80 bu/ac yield goals. The previous crop at all locations was soybeans. No-till planting was performed at the Aberdeen, Selby, and Faulkton locations while conventional-tillage was used at the Volga and South Shore locations. The planting dates for Aberdeen, Faulkton, Volga, Selby, and South Shore were April 1, April 1, April 13, May 1, and April 10, respectively.

West River: Four replications of each variety are planted at each location. Locations are seeded at 28 pure live seeds (PLS)/ft² or about 1.2 million seeds/ac by a drill with 10-inch row spacing. Plots are 5-ft wide and 25-ft long at harvest performed with a small-plot combine. Plots are fertilized appropriately to achieve 45 to 60 bu/ac yield goals. The previous crop at Wall was fallow. The planting dates for Wall was April 6.

Acknowledgments

The efforts of the following groups and people are gratefully appreciated: Foundation Seed Stocks – J. Ingemansen, Spring Wheat Breeding Project – K. Glover, Plant Pathology – S. Ali, Brookings Agronomy Farm – D. Doyle, Northeast Research Farm (South Shore) – A. Heuer, G. & R. Locken (Aberdeen), D. Shea (Bison), P. Patterson (Draper), R. Melius (Faulkton), D. Patterson (Wall), P. Fulton (Miller), and T. Fiedler (Selby), and the SD Wheat Commission.

Table 1a. 2015 East River Spring Wheat Performance - Yield (13.5% M), Test Weight (harvest M), and Protein (12% M).									
Variety	Crop Zone - 1								
	Aberdeen			Faulkton			Selby		
	Yield	Test Wt	Protein	Yield	Test Wt	Protein	Yield	Test Wt	Protein
Advance	47	62.0	14.7	36	59.4	15.5	85	56.6	15.2
LCS Albany	40	60.1	14.1	41	56.9	14.5	85	56.2	15.0
Barlow	43	59.1	15.5	41	58.9	16.3	60	53.2	16.6
Bolles	37	59.5	16.9	44	56.9	17.5	68	54.7	17.2
LCS Breakaway	38	59.9	15.3	46	59.5	16.4	71	56.0	16.1
Brick	40	60.4	15.4	43	60.2	16.0	77	56.8	16.3
MS Chevelle	49	60.1	14.5	44	58.0	15.0	75	55.6	15.0
WB-Digger	38	59.3	14.5	38	57.9	15.6	64	54.7	15.6
Elgin-ND	40	58.9	15.9	42	57.4	16.3	62	54.0	16.8
Faller	43	60.7	14.2	37	57.5	15.1	87	56.0	15.8
Focus	38	61.8	15.9	45	59.6	16.1	77	57.6	16.5
Forefront	40	60.1	16.0	40	59.5	16.9	75	56.2	16.2
HRS 3361	33	59.3	14.2	42	56.4	15.8	62	55.4	15.6
HRS 3378	41	59.1	14.6	43	58.3	15.3	67	55.0	15.1
HRS 3419	48	60.4	13.9	44	56.7	14.7	58	56.0	15.2
HRS 3504	48	59.9	14.2	45	57.4	15.7	76	55.5	15.4
HRS 3530†	39	61.0	15.1	44	56.9	16.3	85	56.3	16.8
LCS Iguacu	39	60.7	13.9	45	58.2	14.0	55	54.8	14.4
Linkert	45	60.1	17.1	45	58.5	17.4	64	56.0	16.6
WB-Mayville	37	58.1	15.3	40	57.4	16.6	54	55.7	16.0
Mott	35	60.3	14.8	40	57.2	15.7	82	57.5	15.9
Norden	47	60.9	15.2	41	59.3	15.8	65	57.0	15.5
Prevail	48	60.1	15.5	44	57.7	15.7	73	55.1	15.2
Prosper	40	58.1	13.9	38	58.0	15.1	82	56.4	15.6
RB07	45	61.2	15.7	46	57.7	16.1	80	55.9	15.7
Rollag	46	59.3	16.4	37	59.1	17.0	71	56.5	16.3
SY Rowyn	44	59.5	14.3	31	57.4	15.7	78	56.0	15.2
Select	44	61.6	15.1	32	57.8	16.0	72	56.9	16.5
MS Stingray	37	54.4	13.2	43	55.4	13.2	78	55.8	14.2
LCS Trigger†	63	61.4	13.4	52	58.5	13.9	96	57.5	13.8
SY Valda†	48	60.6	14.5	46	58.6	15.6	84	56.1	15.5
WB9507	31	56.8	14.1	39	56.5	15.1	79	54.6	16.1
WB9653†	47	59.7	14.4	51	56.4	15.5	77	55.5	15.1
WB9879CLP	28	59.7	14.0	21	54.2	15.1	47	55.4	16.0
05S0242-6†	47	60.9	15.9	49	57.8	15.8	77	55.7	15.4
SD 4299	45	59.7	15.6	44	58.4	16.2	63	56.3	16.1
Trial Average	41	59.8	15.0	42	58	15.7	71	55.8	15.7
LSD(0.05)‡	4	2.0	0.4	8	0.9	0.5	6	1.2	0.3
TPG value§	58	60.0	16.7	44	59.3	17.0	90	56.4	16.9
CV(%)¶	7.5	2.4	2.0	11.8	1.1	2.2	5.8	1.5	1.1

† New entry in 2015, not previously tested.

‡ Yield, test weight, or protein value required (\geq LSD) to determine if varieties are statistically different than one another, § minimum value required to be in the top performance group (TPG) of varieties (in boldface), ¶ Coefficient of Variation (C.V.) is a measure of the variability of the experimental error, 15% or less is acceptable.

Table 1b. 2015 East and West River Spring Wheat Performance - Yield (13.5% M), Test Weight(harvest M), and Protein (12% M).

Variety	Crop Zone - 2						Crop Zone - 6		
	South Shore			Volga			Wall		
	Yield	Test Wt	Protein	Yield	Test Wt	Protein	Yield	Test Wt	Protein
Advance	61	59.9	13.9	57	59.0	15.0	53	63.3	14.1
LCS Albany	55	58.9	13.0	62	58.5	14.0	53	63.0	12.2
Barlow	54	58.4	15.4	54	58.4	16.1	49	63.2	15.3
Bolles	57	58.5	15.8	54	57.7	17.1	50	60.6	15.4
LCS Breakaway	64	59.8	14.7	57	58.2	15.9	48	62.3	14.5
Brick	64	60.3	14.6	59	60.5	15.5	50	63.0	15.0
MS Chevelle	64	58.5	14.0	63	57.5	14.5	59	62.2	13.2
WB-Digger	53	57.7	14.5	50	56.5	15.1	54	61.7	14.5
Elgin-ND	55	58.8	14.9	54	57.0	15.7	51	60.4	14.4
Faller	53	55.9	14.2	61	58.0	14.9	57	62.7	12.9
Focus	64	59.3	15.4	59	58.9	15.7	47	61.9	15.0
Forefront	63	59.4	14.9	66	59.1	15.4	46	62.9	14.7
HRS 3361	51	55.4	14.3	51	55.1	14.5	46	60.1	14.5
HRS 3378	48	55.9	13.9	52	58.4	14.5	57	62.3	13.6
HRS 3419	79	58.4	13.6	77	58.7	14.3	61	60.1	13.1
HRS 3504	63	56.9	14.6	64	57.3	15.0	54	60.8	13.2
HRS 3530†	52	56.1	14.1	58	58.3	15.3	60	61.7	13.7
LCS Iguacu	52	57.9	12.7	55	59.5	13.0	54	63.5	12.9
Linkert	64	58.3	16.2	61	58.2	16.2	49	61.8	15.7
WB-Mayville	57	56.8	15.0	51	57.2	15.7	41	61.1	15.6
Mott	46	57.0	14.4	42	56.9	14.1	53	63.3	14.2
Norden	66	60.9	14.9	60	58.6	15.3	51	62.7	14.3
Prevail	71	59.5	14.5	69	59.2	14.9	56	62.4	14.3
Prosper	52	55.9	13.8	54	57.2	14.8	59	61.6	13.1
RB07	65	58.5	14.7	62	58.6	15.2	59	61.8	13.9
Rollag	65	60.0	15.6	62	59.4	16.5	52	63.0	15.7
SY Rowyn	62	59.8	14.1	65	59.4	15.2	57	62.5	13.6
Select	60	59.2	14.5	58	59.9	15.3	51	64.2	14.5
MS Stingray	40	52.2	12.7	40	53.1	13.6	53	61.0	12.3
LCS Triggert†	80	59.7	13.3	74	59.3	13.5	60	62.0	12.1
SY Valda†	68	58.0	14.5	71	57.9	15.2	64	61.4	13.4
WB9507	26	54.6	13.8	34	55.3	14.3	56	60.5	12.7
WB9653†	60	57.2	14.5	65	57.7	15.0	51	61.2	13.9
WB9879CLP	48	56.4	14.5	32	55.1	14.7	49	59.1	13.2
05S0242-6†	65	58.3	14.6	68	58.8	15.4	60	61.5	13.9
SD 4299	65	58.9	15.4	63	58.3	15.6	55	61.3	14.5
Trial Average	59	58.2	14.5	57	58.1	15.1	53	61.9	14.1
LSD(0.05)‡	5	1.2	0.3	4	1.0	0.3	6	2.2	0.6
TPG value§	75	59.7	15.9	73	60.0	16.8	58	62	15.1
CV(%)¶	5.8	1.4	1.7	5.4	1.3	1.3	8.0	2.7	2.8

† New entry in 2015, not previously tested.

‡ Yield, test weight, or protein value required (\geq LSD) to determine if varieties are statistically different than one another, § minimum value required to be in the top performance group (TPG) of varieties (**in boldface**), ¶ Coefficient of Variation (C.V.) is a measure of the variability of the experimental error, 15% or less is acceptable.

Table 2. 2015 Statewide Spring Wheat Performance, sorted by yield (13.5% M).

Variety	Crop Zones 1, 2, & 6#					
	Statewide Average					
	Yield	TYG%*	Test Wt	Protein	Revenue/acre††	Revenue Rank
LCS Trigger†	71	100	59.8	13.3	\$275.93	22
SY Valda†	63	100	58.8	14.8	\$313.84	5
HRS 3419	61	67	58.3	14.1	\$274.61	24
05S0242-6†	61	83	58.8	15.1	\$320.36	3
Prevail	60	50	59.0	15.0	\$307.43	11
RB07	59	67	58.9	15.2	\$312.33	7
MS Chevelle	59	33	58.7	14.4	\$275.17	23
WB9653†	58	50	58.0	14.7	\$289.57	15
HRS 3504	58	50	57.9	14.7	\$289.55	16
Advance	56	33	60.0	14.7	\$279.57	20
Faller	56	17	58.4	14.5	\$271.06	25
HRS 3530†	56	17	58.3	15.1	\$296.15	13
SY Rowyn	56	33	59.1	14.6	\$278.97	21
LCS Albany	56	17	58.9	13.8	\$235.08	32
SD 4299	56	33	58.8	15.5	\$310.21	8
Rollag	56	17	59.6	16.2	\$333.35	1
Brick	55	0	60.2	15.4	\$307.69	10
Forefront	55	17	59.5	15.6	\$314.13	4
Focus	55	17	59.8	15.8	\$313.72	6
Norden	55	33	59.9	15.1	\$287.37	18
Linkert	55	17	58.8	16.5	\$327.66	2
Prosper	54	33	57.8	14.4	\$252.54	29
LCS Breakaway	54	17	59.3	15.4	\$299.24	12
Select	53	0	60.1	15.3	\$285.33	19
Bolles	52	0	58.0	16.6	\$310.06	9
HRS 3378	52	17	58.1	14.5	\$247.42	30
Elgin-ND	51	0	57.8	15.6	\$288.49	17
Barlow	50	0	58.5	15.8	\$293.02	14
LCS Iguacu	50	17	59.1	13.5	\$202.13	34
Mott	50	17	58.7	14.8	\$253.77	27
WB-Digger	50	0	57.9	14.9	\$252.64	28
MS Stingray	49	0	55.3	13.2	\$182.14	35
HRS 3361	48	0	57.0	14.8	\$235.40	31
WB-Mayville	47	0	57.7	15.7	\$265.71	26
WB9507	44	0	56.4	14.4	\$206.45	33
WB9879CLP	38	0	56.7	14.6	\$181.09	36
Trial Average	54	-	58.7	15	\$276.92	-
LSD(0.05)‡	11	-	1.2	0.4	-	-
TPG value§	60	-	59.0	16.2	-	-
CV(%)¶	7.0	-	1.9	1.9	-	-

† New entry in 2015, not previously tested. ‡ Yield, test weight, or protein value required (\geq LSD) to determine if varieties are statistically different than one another, § minimum value required to be in the top performance group (TPG) of varieties (in boldface), ¶ Coefficient of Variation (C.V.) is a measure of the variability of the experimental error, 15% or less is acceptable.

Locations at Bison, Draper, and Miller were abandoned due to inclement weather. *TYG% is the percentage of time a variety yields in the top 20% of a location. ††Revenue is based on a cash price of \$4.50/bu and a protein premium/discount schedule at harvest 2015.

Table 3a. 2013-2015 (2 and 3-year averages) East River Yield (bu/ac @ 13.5% M) Performance - sorted by overall 3-year yield.

Variety	Crop Zone - 1						Crop Zone - 2				Zone - 4	Crop Zones 1, 2, & 4	
	Aberdeen		Faulkton		Selby		South Shore		Volga		Miller	East River Average	
	2 year	3 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year*	2 year	3 year
Faller	61	62	52	52	87	88	63	65	67	68	68	65	67
Prosper	60	62	52	53	86	87	61	63	62	64	72	63	66
MS Stingray	60	61	57	56	84	85	57	65	57	60	74	62	66
LCS Albany	60	61	56	57	79	80	58	63	66	64	68	63	65
Prevail	61	62	54	50	73	73	72	70	69	67	67	65	65
Advance	61	61	50	50	83	82	60	61	59	60	65	62	63
SY Rowyn	61	62	50	49	77	75	62	64	63	62	67	62	63
SD 4299	59	58	53	54	67	69	66	67	63	63	63	61	62
Focus	55	58	55	48	77	76	67	65	66	64	59	63	62
Forefront	57	60	53	49	66	71	63	63	68	66	62	61	62
RB07	60	61	55	50	81	77	60	58	61	58	62	62	61
Brick	53	58	53	49	74	74	61	59	65	62	63	61	60
LCS Breakaway	53	57	51	46	72	74	60	59	62	63	60	59	60
Rollag	59	59	52	47	70	70	61	60	61	59	63	60	59
Mott	52	54	51	49	78	80	55	60	52	54	63	57	59
Bolles	56	57	53	48	72	72	59	59	59	58	63	59	59
Norden	56	57	51	46	71	73	62	62	58	56	61	59	59
Select	60	61	49	43	70	72	54	56	61	59	63	58	59
Elgin-ND	54	57	51	46	69	70	59	60	57	56	63	57	58
Linkert	55	57	51	45	72	71	62	61	58	56	59	59	58
Barlow	55	57	52	45	67	69	54	54	57	56	63	57	57
WB-Mayville	50	54	47	43	65	70	58	60	55	55	60	55	56
WB9879CLP	41	47	34	34	61	66	46	47	36	38	61	43	48
HRS 3419	63	-	54	-	68	-	69	-	74	-	-	65	-
HRS 3504	63	-	53	-	75	-	63	-	64	-	-	62	-
MS Chevelle	62	-	54	-	78	-	59	-	63	-	-	62	-
LCS Iguacu	59	-	56	-	60	-	61	-	62	-	-	59	-
HRS 3361	53	-	52	-	67	-	58	-	59	-	-	57	-
HRS 3378	56	-	52	-	71	-	49	-	56	-	-	56	-
WB9507	53	-	53	-	78	-	45	-	55	-	-	56	-
WB-Digger	52	-	46	-	72	-	58	-	53	-	-	55	-
05S0242-6†	-	-	-	-	-	-	-	-	-	-	-	-	-
HRS 3530†	-	-	-	-	-	-	-	-	-	-	-	-	-
LCS Trigger†	-	-	-	-	-	-	-	-	-	-	-	-	-
SY Valda†	-	-	-	-	-	-	-	-	-	-	-	-	-
WB9653†	-	-	-	-	-	-	-	-	-	-	-	-	-
Trial Average	56	59	54	49	72	75	60	61	61	59	64	60	61
LSD(0.05)‡	4	2	4	3	4	3	4	3	3	3	6	2	5
TPG values§	59	60	53	54	83	85	68	67	71	65	68	63	62

* Miller 2-year data is from 2013 and 2014.

† New entry in 2015, not previously tested.

‡ Yield value required (≥LSD) to determine if varieties are statistically different than one another, § minimum value required to be in the top performance group (TPG) of varieties (in boldface).

Table 3b. 2013-2015 (2 and 3-year averages) West River Yield (bu/ac @ 13.5% M) Performance - sorted by overall 3-year yield.

Variety	Crop Zone - 6		Crop Zone - 7	Crop Zones 6 & 7	
	Wall		Bison	West River Average	
	2 year	3 year	2 year*	2 year	3 year
Prevail	53	50	47	65	52
Focus	51	52	44	61	52
Prosper	56	51	44	65	52
Faller	53	51	43	62	52
MS Stingray	52	50	42	63	52
Elgin-ND	51	49	43	62	51
Forefront	49	49	41	60	51
Brick	51	51	41	60	51
RB07	53	49	43	63	51
Barlow	48	48	41	58	50
LCS Albany	51	48	38	61	49
Advance	48	47	43	60	49
Linkert	49	47	41	60	48
Mott	49	47	40	60	48
Select	49	46	41	60	48
Bolles	52	47	39	59	48
LCS Breakaway	48	47	40	59	48
Norden	51	47	38	59	47
WB9879CLP	48	46	41	58	47
SY Rowyn	50	45	40	60	47
SD 4299	50	47	35	57	46
WB-Mayville	43	43	41	55	45
Rollag	47	43	35	57	44
WB9507	59	-	-	66	-
MS Chevelle	58	-	-	65	-
HRS 3419	59	-	-	63	-
WB-Digger	53	-	-	62	-
HRS 3378	52	-	-	61	-
HRS 3504	51	-	-	60	-
LCS Iguacu	50	-	-	60	-
HRS 3361	46	-	-	58	-
05S0242-6†	-	-	-	-	-
HRS 3530†	-	-	-	-	-
LCS Trigger†	-	-	-	-	-
SY Valda†	-	-	-	-	-
WB9653†	-	-	-	-	-
Trial Average	51	48	41	49	50
LSD(0.05)‡	6	3	4	5	3
TPG value§	53	49	43	61	49

* Bison 2-year data is from 2013 and 2014.

† New entry in 2015, not previously tested.

‡ Yield value required (≥LSD) to determine if varieties are statistically different than one another, § minimum value required to be in the top performance group (TPG) of varieties (in boldface).

Table 4. List of spring wheat varieties being tested in 2015 along with origin, agronomic and grain quality characteristics, and disease ratings.

Variety	Testing and Origin		Agronomic Characteristics			Grain Quality		Disease Ratings¶				
	Years Tested in SD	Origin†-Year	Relative Hdg‡ (days)	Relative Ht‡ (inches)	Lodging Score§	Test Wt.	Protein %	Stripe Rust	Stem Rust	Leaf Rust	2015 Leaf Spot	2015 FHB (scab)
Advance	5+	SD-11	4	-3	2.7	Good	Avg.	MR	R-MR	MR-MS	S	MR
LCS Albany	5+	LCS-09	7	-4	2.7	Avg.	Low	MR	R	MS	S	S
Barlow	5+	ND-09	2	-1	2.4	Avg.	Good	MR	R-MR	MS	S	MS
Bolles	3	MN-15	7	-3	2.2	Avg.	High	MR	-	(R)#	S	MR
LCS Breakaway	4	LCS-11	3	-3	2.2	Avg.	Avg.	MR	(R)	S	S	MR
Brick	5+	SD-08	0	0	2.7	Good	Avg.	MS	R	MR-MS	S	MR
MS Chevelle	2	MS-14	3	-4	2.6	Avg.	Avg.	(MR)	(MR)	(R)	S	MS
WB-Digger	2	WB-09	4	-2	2.4	Avg.	Avg.	(MS)	(R)	(MR)	S	S
Elgin-ND	4	ND-12	4	2	2.5	Avg.	Good	MS	R	MS	S	MS
Faller	5+	ND-07	5	-1	2.6	Avg.	Avg.	S	R	MS	S	MR
Focus	3	SD-15	1	2	2.8	Good	Good	MS	-	S	S	MR
Forefront	5+	SD-11	2	2	2.6	Avg.	Good	MR	R-MR	MS	S	MR
HRS 3361	2	CP-14	5	-4	1.9	Low	Avg.	(MS)	(MR)	(MR)	S	MR
HRS 3378	2	CP-14	4	-3	2.4	Avg.	Avg.	S	(R)	(R)	S	MR
HRS 3419	2	CP-15	8	-3	1.9	Avg.	Avg.	(MR)	(R)	(R)	S	MR
HRS 3504	2	CP-15	5	-4	2.1	Avg.	Avg.	(MR)	(MR)	(MR)	S	MR
HRS 3530	new	CP-16	7	0	2.8	Avg.	Avg.	(MS)	(R)	(R)	S	MS
LCS Iguacu	2	LCS-13	7	-3	1.9	Avg.	Low	MR	(MR)	S	S	MR
Linkert	5+	MN-13	5	-5	1.2	Avg.	High	MR	-	MR-MS	MS	MR
WB-Mayville	5+	WB-07	4	-5	1.3	Low	Good	S	MR	MR	S	S
Mott	5+	ND-09	9	2	2.0	Avg.	Avg.	S	MR	MS	S	MR
Norden	5+	MN-12	4	-3	1.6	Good	Avg.	MR	R	S	S	MR
Prevail	5+	SD-13	3	-2	2.1	Avg.	Avg.	MR	MR	MS	S	MS
Prosper	5+	ND-11	6	-1	2.8	Avg.	Avg.	S	R	MS	S	MR
RB07	5+	MN-07	4	-3	2.8	Avg.	Avg.	MS	MR	MR	S	MR
Rollag	5+	MN-11	4	-4	2.5	Avg.	High	MS	R	S	S	MR
SY Rowyn	3	SY-13	4	-3	3.0	Avg.	Avg.	MS	R	MS	S	MR
Select	5+	SD-09	1	-1	2.7	Good	Avg.	MR	R-MR	MR-MS	S	S
MS Stingray	3	MS-13	9	-2	2.3	Low	Low	MS	MR	S	S	MR
LCS Trigger	new	LCS-15	9	-1	2.4	Good	Low	MS	(R)	(R)	S	MR
SY Valda	new	SY-15	5	-2	2.3	Avg.	Avg.	MS	-	MR	S	MR
WB9507	2	WB-14	4	-2	3.1	Low	Avg.	(MR)	(MR)	(MR)	S	S
WB9653	new	WB-15	5	-4	2.2	Avg.	Avg.	MR	-	MR	S	MR
WB9879Clp	4	WB-12	6	-1	2.2	Low	Avg.	MR	(MR)	(MS)	S	S
O5S0242-6	new	SY-exp	3	-4	2.5	Avg.	Avg.	MR	-	MR	S	MS
SD 4299	3	SD-exp	6	-2	2.4	Avg.	Good	MS	-	MR	MS	MR

† CP, Croplan; LCS, Limagrain Cereal Seeds; MN, Minnesota; MS, Meridian Seeds; ND, North Dakota; SD, South Dakota; SY, Syngenta; WB, Westbred and - (Year of Release)

‡ Difference in days to heading and height in inches compared to **Brick** at East River testing locations.

§ Lodging scores range from 1 (perfectly standing) to 5 (completely flat).

¶ Disease ratings: R, resistant; MR, moderately resistant; MS, moderately susceptible; S, susceptible.

Estimated ratings (X), based on information provided by the entity that submitted the variety.