



2018 South Dakota Spring Wheat Variety Trial Results Miller

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Cooperator: Chris Howard
Location: 44.413580°, -98.896794°
Soil Type: Houdek-Dudley complex, 0-2% slopes
Previous crop: soybeans
Tillage: No-till
Row spacing: 8"
Seeding Rate: 1.8 million PLS/acre
Fertilizer:
 -Starter: 90 lb/acre 30-10-10
 -Other: 1/2 gallon/acre Presto Gold applied with herbicide
Herbicide:
 -Burndown: NR
 -Post: 16 oz WideMatch + 8 oz LV6
Fungicide: none
Date seeded: 5/2/2018
Date harvested: 8/18/2018

Table 1. 2018 spring wheat variety performance trial results (average of 4 replications) at Miller, SD. Entries are sorted by overall 3-year yield. Varieties yielding in the top 1/3 of the trial are shaded light blue.

Variety	Height (in)	Lodging* (1-5)	Test Wt (lbs)	Protein %	2016 (bu/a)	2017 (bu/a)	2018 (bu/a)	2-year (bu/a)	3-year (bu/a)
LCS Trigger	31	2.0	57.4	14.1	52.6	52.7	57.8	55.2	54.4
WB9653	26	1.3	57.9	14.8	58.8	46.3	56.2	51.2	53.8
HRS 3504	27	1.5	57.2	15.3	56.0	47.6	56.7	52.2	53.4
SY Valda	29	2.3	58.1	15.9	57.1	40.2	55.3	47.7	50.8
MS Chevelle	27	2.8	57.7	15.7	57.5	39.7	53.2	46.4	50.1
HRS 3419	29	1.8	57.4	15.1	50.9	43.2	54.5	48.8	49.5
Surpass	29	2.8	56.8	16.6	52.1	42.8	53.0	47.9	49.3
Lang-MN	31	1.0	59.9	17.6	50.6	44.5	51.2	47.8	48.7
HRS 3100	27	1.5	57.8	15.9	53.1	42.4	50.8	46.6	48.7
Faller	29	3.0	56.6	15.2	49.6	44.0	52.6	48.3	48.7
Shelly	27	1.5	55.9	15.8	53.9	44.9	47.1	46.0	48.6
HRS 3530	31	3.0	57.5	16.0	50.3	45.7	49.2	47.5	48.4
SY Ingmar	30	1.0	58.8	17.5	49.8	48.4	47.0	47.7	48.4
Advance	26	2.8	57.7	15.9	52.5	43.7	48.1	45.9	48.1
Prosper	30	3.0	58.0	15.5	50.3	42.8	51.0	46.9	48.0
SY Rustler	25	2.0	57.6	16.4	54.7	37.9	50.5	44.2	47.7
Prevail	28	2.8	58.9	15.9	50.6	39.0	53.4	46.2	47.7
HRS 3616	31	1.0	57.3	17.4	49.8	39.6	51.3	45.4	46.9
RB07	31	2.8	58.1	16.5	47.1	38.6	50.3	44.5	45.3
Boost	32	1.5	57.7	17.2	50.7	36.7	48.1	42.4	45.2
Select	30	2.8	57.7	16.3	49.6	39.7	43.7	41.7	44.4
Brick	30	2.8	58.3	17.1	48.3	40.1	43.4	41.7	43.9
Linkert	27	1.3	56.7	18.2	48.6	39.8	43.1	41.4	43.8
Forefront	33	3.0	59.1	16.8	43.1	39.3	46.8	43.0	43.0
Bolles	29	2.3	55.5	18.5	45.8	38.5	44.4	41.4	42.9
Focus	30	2.3	58.3	17.1	46.4	34.0	46.4	40.2	42.3
WB9719	29	1.0	58.6	16.8	-	48.1	50.9	49.5	-
LCS Rebel	31	2.8	58.8	17.0	-	37.5	53.8	45.6	-
WB9590	26	1.0	57.2	18.0	-	39.6	49.1	44.3	-
Ambush	29	2.5	59.6	16.5	-	36.2	50.4	43.3	-
WB9479	26	1.0	56.1	18.2	-	33.6	50.4	42.0	-
MS Camaro	27	1.3	56.9	17.2	-	34.2	44.1	39.1	-
ND Vitpro	28	2.8	58.5	16.8	-	30.3	47.0	38.6	-
HRS 3888	30	1.8	57.9	16.2	-	-	54.7	-	-
LCS Cannon	26	1.8	57.8	16.5	-	-	51.1	-	-
MN10201-4-A	28	1.5	57.3	15.6	-	-	49.8	-	-
MS Barracuda	25	2.3	57.8	16.7	-	-	48.6	-	-
Trial Average#	29	2.1	57.7	16.5	50.4	40.5	49.6	45.5	47.8
LSD(0.05)†	1.6	0.5	1.5	0.8	3.6	4.7	4.3	-	-
C.V.%‡	4.1	-	1.9	3.4	5.0	8.3	6.3	-	-

* Lodging score: 1, perfectly standing; to 5, completely flat.

Trial averages may include values from experimental lines that are not reported.

† Value required (\geq LSD) to determine if varieties are significantly different from one another.

‡ C.V. is a measure of variability or experimental error, 15% or less is considered acceptable.