



2018 South Dakota Spring Wheat Variety Trial Results Claire City

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Cooperator: Leon Koeppel
Location: 45.806754°, -97.088719°
Soil Type: Peever clay loam, 2-6% slopes
Previous crop: Soybeans
Tillage: Conventional
Row spacing: 8"
Seeding Rate: 1.8 million PLS/acre
Fertilizer:
 -Starter: 90 lb/acre 30-10-10
 -Other: 100 lb/acre 46-0-0 + 100 lb/acre MESZ, preplant incorporated
Herbicide:
 -Burndown: NR
 -Post: 16b oz WideMatch
Fungicide: none
Date seeded: 4/27/2018
Date harvested: 8/8/2018
Notes: This is a new trial location so multi-year yield averages are not available.

Table 1. 2018 spring wheat variety performance trial results (average of 4 replications) at Claire City, 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)
WB9653	-	-	52.2	16.1	-	-	53.9	-	-
HRS 3504	-	-	53.4	15.9	-	-	53.8	-	-
Prevail	-	-	56.0	15.7	-	-	52.0	-	-
Boost	-	-	55.8	16.4	-	-	49.2	-	-
WB9719	-	-	52.7	16.4	-	-	49.1	-	-
HRS 3530	-	-	53.4	17.0	-	-	48.7	-	-
LCS Trigger	-	-	54.8	15.0	-	-	48.2	-	-
Surpass	-	-	51.3	16.6	-	-	48.0	-	-
SY Valda	-	-	53.8	16.3	-	-	47.7	-	-
SY Ingmar	-	-	56.3	16.5	-	-	47.7	-	-
HRS 3419	-	-	52.8	16.0	-	-	47.6	-	-
Brick	-	-	52.9	16.9	-	-	47.6	-	-
LCS Cannon	-	-	53.0	17.2	-	-	47.4	-	-
HRS 3100	-	-	54.6	15.7	-	-	46.7	-	-
SY Rustler	-	-	54.6	17.1	-	-	46.3	-	-
Faller	-	-	53.8	16.1	-	-	46.2	-	-
Lang-MN	-	-	55.0	17.1	-	-	46.0	-	-
WB9590	-	-	49.8	17.9	-	-	46.0	-	-
HRS 3616	-	-	52.6	17.5	-	-	45.7	-	-
MN10201-4-A	-	-	52.6	16.5	-	-	44.4	-	-
Linkert	-	-	54.4	17.5	-	-	42.8	-	-
Focus	-	-	55.5	17.1	-	-	42.5	-	-
HRS 3888	-	-	54.1	16.6	-	-	42.5	-	-
LCS Rebel	-	-	57.1	17.1	-	-	42.5	-	-
Ambush	-	-	56.1	17.4	-	-	42.3	-	-
Forefront	-	-	56.3	16.6	-	-	41.9	-	-
WB9479	-	-	51.2	18.4	-	-	40.5	-	-
MS Barracuda	-	-	50.9	17.7	-	-	40.0	-	-
Prosper	-	-	53.2	16.3	-	-	39.9	-	-
MS Chevelle	-	-	52.2	16.2	-	-	39.9	-	-
ND Vitpro	-	-	54.6	16.8	-	-	39.8	-	-
MS Camaro	-	-	50.9	17.2	-	-	39.1	-	-
Bolles	-	-	48.9	19.1	-	-	38.7	-	-
Advance	-	-	53.6	16.0	-	-	35.9	-	-
Select	-	-	48.4	17.1	-	-	34.1	-	-
Shelly	-	-	48.3	17.0	-	-	33.7	-	-
RB07	-	-	51.6	16.7	-	-	32.9	-	-
Trial Average#	-	-	53.5	16.7	-	-	44.6	-	-
LSD(0.05)†	-	-	3.3	0.8	-	-	9.5	-	-
C.V.%‡	-	-	4.0	3.6	-	-	15.2	-	-

* 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.