



2020 South Dakota Spring Wheat Variety Trial Results Wall

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Cooperator: Dale Patterson
Location: 44.087778°, -102.328611°
Soil Type: Stanta loam, 2-6% slopes
Previous crop: winter wheat
Tillage: no-till
Row spacing: 10"
Seeding Rate: 1.8 million PLS/acre
Fertilizer:
-Starter: 6 gal/acre 10-25-0-5S-.25Z
-Other: 40 gal/acre 28-0-0 mid-row banded
Herbicide:
-Burndown: not reported
-Post: 16 oz/acre WideMatch
Fungicide: none
Date seeded: 4/23/2020
Date harvested: 8/4/2020
Notes: Trial was lost in 2019. Three-year yield averages are an average of 2018 and 2020.

Table 1. 2020 spring wheat variety performance trial results (average of 4 replications) at Wall, 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 %	2018 (bu/a)	2019 (bu/a)	2020 (bu/a)	2-year (bu/a)	3-year (bu/a)
SY Valda	not reported	not reported	57.1	13.5	58.5	no data	34.4	no data	46.4
CP3530	reported	reported	53.7	14.4	53.7	data	35.2	data	44.4
LCS Cannon	-	-	56.9	12.6	51.1	-	36.5	-	43.8
Shelly	-	-	56.4	13.2	54.4	-	32.1	-	43.3
LCS Trigger	-	-	54.8	13.3	53.2	-	31.4	-	42.3
WB9590	-	-	56.4	13.4	49.5	-	34.8	-	42.1
LCS Rebel	-	-	57.6	13.7	42.9	-	40.7	-	41.8
WB9479	-	-	56.6	13.7	48.7	-	33.0	-	40.9
Prevail	-	-	56.6	13.0	45.8	-	35.9	-	40.8
Forefront	-	-	56.2	13.5	43.3	-	37.6	-	40.5
Surpass	-	-	56.6	12.9	45.4	-	35.2	-	40.3
MN-Washburn	-	-	56.6	13.4	48.9	-	30.3	-	39.6
Lang-MN	-	-	56.2	13.0	44.2	-	34.5	-	39.4
Driver	-	-	55.9	13.3	41.8	-	35.5	-	38.6
MS Barracuda	-	-	55.8	13.1	44.7	-	32.0	-	38.3
WB9719	-	-	59.2	13.2	46.5	-	30.2	-	38.3
SY Rustler	-	-	54.8	13.4	43.6	-	33.0	-	38.3
MS Chevelle	-	-	55.5	13.2	44.2	-	32.2	-	38.2
CP3888	-	-	53.5	13.4	44.4	-	31.7	-	38.0
Focus	-	-	58.5	13.8	45.6	-	29.0	-	37.3
Boost	-	-	54.3	14.4	43.8	-	28.5	-	36.1
Advance	-	-	56.7	13.7	47.8	-	22.6	-	35.2
SY Ingmar	-	-	54.8	14.5	40.3	-	27.8	-	34.1
Bolles	-	-	54.8	15.0	37.3	-	29.7	-	33.5
CP3910	-	-	57.9	13.4	-	-	41.8	-	-
WB9606	-	-	55.9	13.2	-	-	39.0	-	-
CP3099A	-	-	53.3	12.3	-	-	34.8	-	-
CP3903	-	-	56.4	13.1	-	-	33.7	-	-
MN-Torgy	-	-	57.2	13.5	-	-	33.5	-	-
CP3915	-	-	57.5	14.2	-	-	33.2	-	-
LCS Buster	-	-	52.4	13.0	-	-	32.2	-	-
AP Murdock	-	-	54.5	14.0	-	-	31.6	-	-
SY 611 CL2	-	-	57.8	13.8	-	-	31.4	-	-
MS Ranchero	-	-	56.0	12.5	-	-	31.4	-	-
ND Frohberg	-	-	56.3	14.1	-	-	27.1	-	-
Trial Average#	-	-	56.0	13.5	45.7	-	32.7	-	39.6
LSD(0.05)†	-	-	1.5	0.6	8.9	-	3.2	-	-
C.V.%‡	-	-	1.9	3.4	14.0	-	7.1	-	-

* 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.