



2020 South Dakota Spring Wheat Variety Trial Results Claire City

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 Location: 45.806663°,-97.088543
 Soil Type: Peever clay loam, 2-6% 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: 250 lb/acre MESZ (12-40-0-10S-1Z)
 Herbicide:
 -Burndown: NR
 -Post: 1.5 pt/acre Bison + 16 oz/acre Axial Bold
 Fungicide: none
 Date seeded: 4/23/2020
 Date harvested: 8/2/2020

Table 1. 2020 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 %	2018 (bu/a)	2019 (bu/a)	2020 (bu/a)	2-year (bu/a)	3-year (bu/a)
CP3530	31	not reported	60.3	14.9	48.7	56.6	74.3	65.4	59.9
SY Valda	29	reported	60.7	14.9	47.7	52.1	72.4	62.3	57.4
Prevail	28	-	59.9	14.4	52.0	48.2	71.7	59.9	57.3
WB9590	28	-	60.4	15.4	46.0	48.4	74.7	61.5	56.3
SY Ingmar	29	-	61.1	15.3	47.7	53.0	66.9	59.9	55.9
Driver	31	-	61.3	15.1	44.6	51.0	71.1	61.1	55.6
SY Rustler	29	-	59.8	15.4	46.3	53.0	67.2	60.1	55.5
WB9719	28	-	62.0	14.6	49.1	44.1	72.7	58.4	55.3
Surpass	28	-	58.9	15.7	48.0	51.2	66.1	58.6	55.1
LCS Trigger	30	-	60.1	13.4	48.2	41.0	73.6	57.3	54.2
LCS Cannon	28	-	61.9	14.7	47.4	40.4	72.4	56.4	53.4
WB9479	28	-	61.3	16.0	40.5	45.5	71.7	58.6	52.6
Advance	29	-	61.0	14.4	35.9	48.9	71.8	60.4	52.2
Focus	31	-	60.9	15.9	42.5	44.5	68.4	56.4	51.8
Boost	30	-	60.5	15.2	49.2	43.8	61.9	52.9	51.6
Forefront	31	-	60.7	15.2	41.9	45.6	66.8	56.2	51.4
Lang-MN	30	-	61.3	16.2	46.0	40.4	66.5	53.5	51.0
MS Chevelle	27	-	59.1	14.5	39.9	38.2	69.7	53.9	49.3
CP3888	29	-	59.2	15.3	42.5	37.2	67.6	52.4	49.1
LCS Rebel	31	-	61.3	15.5	42.5	41.8	61.4	51.6	48.5
MS Barracuda	28	-	59.2	16.3	40.0	39.3	66.0	52.6	48.4
MN-Washburn	28	-	58.7	14.8	44.4	36.1	63.9	50.0	48.1
Shelly	28	-	60.8	14.7	33.7	35.5	73.8	54.6	47.7
Bolles	30	-	60.2	17.4	38.7	34.8	65.6	50.2	46.4
MN-Torgy	28	-	60.2	15.6	-	50.9	71.4	61.1	-
SY 611 CL2	29	-	59.9	15.5	-	52.2	69.9	61.0	-
AP Murdock	28	-	59.5	14.8	-	48.1	71.8	60.0	-
CP3915	29	-	60.7	14.8	-	47.4	65.9	56.6	-
LCS Buster	31	-	58.6	13.2	-	-	72.6	-	-
WB9606	29	-	60.0	13.7	-	-	70.3	-	-
ND Frohberg	31	-	60.7	14.7	-	-	69.8	-	-
CP3903	31	-	60.8	15.5	-	-	68.2	-	-
MS Ranchero	29	-	58.8	15.0	-	-	66.6	-	-
CP3910	28	-	59.8	15.1	-	-	65.4	-	-
CP3099A	32	-	52.8	13.1	-	-	57.5	-	-
Trial Average#	29	-	60	15.1	44.6	44.4	68.2	57.3	52.7
LSD(0.05)†	0.7	-	0.8	0.3	9.5	6.7	5.7	-	-
C.V.%‡	1.7	-	0.9	1.5	15.2	10.8	5.9	-	-

* 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.