



2020 South Dakota Spring Wheat Variety Trial Results Selby

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Location: 45.501127°, -100.016598°
Soil Type: Highmore silt loam, cool, 0-2% slopes
Previous crop: soybeans
Tillage: no-till
Row spacing: 8"
Seeding Rate: 1.8 million PLS/acre
Fertilizer:
 -Starter: 80 lb/acre 30-10-10
 -Other: 315 lb/acre 46-0-0; 50 lb/acre 11-52-0 preplant broadcast
Herbicide:
 -Burndown: none
 -Post: 1.5 pt/acre Bronate Advanced
Fungicide: 6.5 oz/acre Prosaro applied at Feekes 10.5.1 (heading)
Date seeded: 4/22/2020
Date harvested: 8/17/2020

Table 1. 2020 spring wheat variety performance trial results (average of 4 replications) at Selby, 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)
LCS Trigger	31	2.5	61.5	13.6	84.6	77.0	79.5	78.2	80.3
CP3530	33	3.0	60.1	16.4	76.0	72.6	72.0	72.3	73.5
SY Valda	28	3.3	60.3	15.9	81.2	65.6	72.3	68.9	73.0
WB9719	29	2.5	61.2	15.5	78.8	63.7	73.1	68.4	71.8
Advance	30	4.0	61.5	15.5	75.0	66.0	67.8	66.9	69.6
WB9590	25	1.0	59.0	17.4	78.2	63.4	62.2	62.8	67.9
SY Ingmar	29	2.5	61.3	16.7	73.8	65.1	64.1	64.6	67.7
Driver	30	3.0	62.2	15.9	73.8	60.5	68.2	64.3	67.5
Shelly	28	3.0	59.6	15.4	73.6	60.8	66.6	63.7	67.0
MS Chevelle	27	3.3	60.7	15.3	76.3	55.9	65.8	60.9	66.0
MN-Washburn	28	3.0	60.1	15.4	71.2	58.1	68.3	63.2	65.9
CP3888	30	3.0	60.2	16.0	72.3	60.0	63.5	61.7	65.3
LCS Cannon	28	2.5	62.1	15.9	69.5	63.4	62.1	62.7	65.0
SY Rustler	27	3.0	59.1	16.7	73.0	62.6	58.3	60.4	64.6
Prevail	30	3.3	59.9	15.6	70.5	60.6	60.9	60.8	64.0
Surpass	29	4.0	59.5	16.5	72.1	58.4	59.9	59.1	63.4
LCS Rebel	33	3.3	60.7	16.8	73.3	55.5	58.8	57.2	62.5
Boost	32	3.5	60.0	16.0	65.8	58.3	62.1	60.2	62.1
Lang-MN	31	3.0	60.4	16.9	66.9	57.8	60.6	59.2	61.8
MS Barracuda	27	2.5	59.6	17.0	66.8	57.0	58.5	57.7	60.7
WB9479	25	1.0	59.2	18.2	68.5	57.2	56.4	56.8	60.7
Focus	33	3.0	60.2	16.9	69.6	56.3	55.8	56.1	60.6
Forefront	35	3.3	59.6	16.4	70.4	53.1	56.5	54.8	60.0
Bolles	30	3.5	59.2	17.8	63.5	53.3	55.8	54.5	57.5
AP Murdock	28	3.5	60.3	15.9	-	74.8	67.1	71.0	-
CP3915	30	3.3	61.5	15.8	-	65.8	69.3	67.5	-
SY 611 Cl2	26	2.5	61.6	16.4	-	65.8	67.0	66.4	-
MN-Torgy	29	3.0	61.1	16.2	-	64.8	67.2	66.0	-
LCS Buster	30	2.0	60.0	14.2	-	-	80.1	-	-
CP3099A	34	2.0	58.8	13.3	-	-	75.0	-	-
WB9606	29	3.3	60.8	14.5	-	-	67.0	-	-
CP3910	29	3.0	61.0	16.4	-	-	64.7	-	-
MS Ranchero	30	3.0	59.3	15.4	-	-	61.8	-	-
ND Frohberg	32	2.5	60.9	16.0	-	-	60.8	-	-
CP3903	31	2.8	59.5	16.6	-	-	58.1	-	-
Trial Average#	29	2.8	60.3	16.1	70.7	60.0	64.6	63.1	65.8
LSD(0.05)†	1.2	0.5	0.8	0.4	3.5	4.2	3.9	-	-
C.V.%‡	3	-	1	1.8	3.5	5.1	4.4	-	-

* 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.