



2020 South Dakota Spring Wheat Variety Trial Results Frankfort

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Location: 44.863459°, -98.280992°

Soil Type: Great Bend-Beotia silt loams, 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: 300 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: 4/22/2020

Date harvested: 8/7/2020

Notes: This location was not harvested in 2019. Three-year yields reported are an average of 2018 and 2020.

Table 1. 2020 spring wheat variety performance trial results (average of 4 replications) at Frankfort, 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	not reported	not reported	61.6	12.8	56.7	-	83.6	-	70.1
CP3530	-	-	61.3	15.3	47.9	-	72.8	-	60.4
Shelly	-	-	60.5	13.8	46.8	-	73.3	-	60.1
WB9719	-	-	63.7	14.5	47.8	-	71.0	-	59.4
SY Valda	-	-	61.9	14.6	45.9	-	67.4	-	56.7
CP3888	-	-	59.8	15.2	43.0	-	66.9	-	54.9
WB9590	-	-	60.4	15.2	43.8	-	65.9	-	54.8
Driver	-	-	62.1	14.7	41.2	-	68.2	-	54.7
Advance	-	-	61.0	14.3	40.1	-	68.9	-	54.5
MN-Washburn	-	-	59.9	14.3	41.1	-	67.7	-	54.4
Lang-MN	-	-	61.0	15.7	44.1	-	63.3	-	53.7
SY Ingmar	-	-	61.6	15.2	42.2	-	64.2	-	53.2
MS Chevelle	-	-	59.4	14.2	42.3	-	61.1	-	51.7
Bolles	-	-	60.3	15.9	39.8	-	62.2	-	51.0
LCS Cannon	-	-	62.2	14.7	39.2	-	62.4	-	50.8
Boost	-	-	60.8	14.9	38.8	-	62.6	-	50.7
MS Barracuda	-	-	61.1	15.0	39.4	-	62.0	-	50.7
Prevail	-	-	59.4	14.5	39.0	-	60.9	-	50.0
SY Rustler	-	-	59.7	15.3	37.7	-	62.2	-	50.0
LCS Rebel	-	-	61.8	15.3	37.7	-	61.7	-	49.7
WB9479	-	-	60.5	16.0	38.4	-	60.9	-	49.7
Surpass	-	-	58.7	15.6	37.4	-	60.1	-	48.7
Forefront	-	-	60.5	15.3	35.7	-	56.7	-	46.2
Focus	-	-	60.8	15.9	34.0	-	57.6	-	45.8
LCS Buster	-	-	59.4	13.0	-	-	74.9	-	-
MN-Torgy	-	-	60.6	15.1	-	-	70.0	-	-
AP Murdock	-	-	60.0	14.7	-	-	69.9	-	-
CP3099A	-	-	58.2	13.2	-	-	68.9	-	-
WB9606	-	-	60.8	13.9	-	-	67.6	-	-
CP3915	-	-	61.0	15.1	-	-	65.8	-	-
SY 611 CL2	-	-	61.2	14.7	-	-	65.3	-	-
CP3910	-	-	60.7	14.8	-	-	63.9	-	-
ND Frohberg	-	-	61.4	14.7	-	-	61.1	-	-
CP3903	-	-	61.2	15.5	-	-	59.8	-	-
MS Ranchero	-	-	57.8	15.1	-	-	58.7	-	-
Trial Average#	-	-	60.6	14.8	41.2	-	65.5	-	53.4
LSD(0.05)†	-	-	0.4	0.3	5.1	-	3	-	-
C.V.%‡	-	-	0.5	1.3	8.9	-	3.3	-	-

* 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.