

South Dakota State University Extension South Dakota Agricultural Experiment Station at SDSU

2022 South Dakota Spring Wheat Variety Trial Results Selby

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Location: 45.486058°, -100.018303°

Soil Type: Highmore-Eakin silt loams, cool, 2-6% slopes

Previous crop: soybeans
Tillage: no-till
Row spacing: 8"

Seeding Rate: 1.2 million PLS/acre

Fertilizer:

-Starter: 90 lb/acre 30-10-10

-Other: 168-28-0-18S broadcast preplant

Herbicide:

-Burndown: none

-Post: 2 pt/acre Maestro 2EC + 1 pt/acre WideMatch

Fungicide: none

Date seeded: 4/20/2022 **Date harvested:** 8/17/2022



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Table 1. 2022 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 bolded and shaded light blue.

(in)	(1-5)		%	/h/a\#	(h/a)	(h/a)	2-year	3-year
		(lbs)		(bu/a)#	(bu/a)	(bu/a)	(bu/a)	(bu/a)
32	1.0	62.4	12.8	79.5	52.5	74.9	63.7	69.0
								68.7
								65.1
								63.8
								62.7
								62.7
								62.6
			13.3			76.0	59.9	62.2
			14.8	72.0		69.7	56.8	61.9
27	1.0	63.7	14.9	62.1	43.4	77.7	60.5	61.1
34	1.0	63.0	14.9	58.8	49.4	71.3	60.4	59.8
27	1.0	61.9	14.2	67.1	36.9	73.7	55.3	59.2
30	1.0	61.6	14.0	61.8	41.4	71.6	56.5	58.3
28	1.0	62.6	14.0	66.4	35.8	72.2	54.0	58.1
31	1.0	61.8	14.3	59.9	41.7	71.2	56.4	57.6
29	1.0	61.6	15.4	64.1	43.4	65.0	54.2	57.5
32	1.0	62.8	15.0	60.6	41.3	70.4	55.8	57.4
30	1.0	62.0	13.8	58.3	38.5	71.6	55.0	56.1
29	1.0	62.5	13.8	60.9	35.6	67.1	51.4	54.6
32	1.0	62.3	14.5	60.8	26.8	65.7	46.3	51.1
29	1.0	61.3	14.5	-	49.2	73.7	61.5	-
28	1.0	62.8	14.3	-	40.6	74.2	57.4	-
28	1.0	61.9	14.5	-	40.9	69.0	55.0	-
29	1.0	61.9	12.8	-	_	79.4	-	_
				-	-		-	-
31	1.0	60.0		-	_		-	_
31	1.0	62.4		-	_		-	_
				-	-		-	-
				_	_		_	_
				64.6	42.6		57.3	60.5
_	-						_	-
_	_	-	-				_	_
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^{*} Lodging score: 1, perfectly standing; to 5, completely flat.

[#] Trial averages may include values from experimental lines that are not reported, yield is reported @13%M, protein is @12%M.

[†] Value required (≥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.