

A1469-24 (December 2024)

North Dakota Dry Pea

Variety Trial Results for 2024 and Selection Guide

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In recent years, North Dakota's dry pea production has experienced fluctuations in both acreage and yield. After a significant drop in acreage and production in the early 2010s, the state's dry pea industry began to recover in the latter part of the decade. In 2023, North Dakota planted 270,000 acres of dry peas, yielding 600.3 million pounds (or 600,300 hundredweight) with an average yield of 2,300 pounds per acre. This marked an improvement over 2022 when 230,000 acres were planted and 544.9 million pounds were produced, although yields were slightly higher in 2022 at 2,390 pounds per acre. In 2024, production rose significantly due to an increase in acreage to 310,000 acres with production estimated at 741,000 hundredweight and a slightly higher yield of 2,470 pounds per acre. This rebound in both planted acreage and production indicates a renewed confidence in dry pea farming, reaffirming peas as an important crop in the state's agricultural landscape.

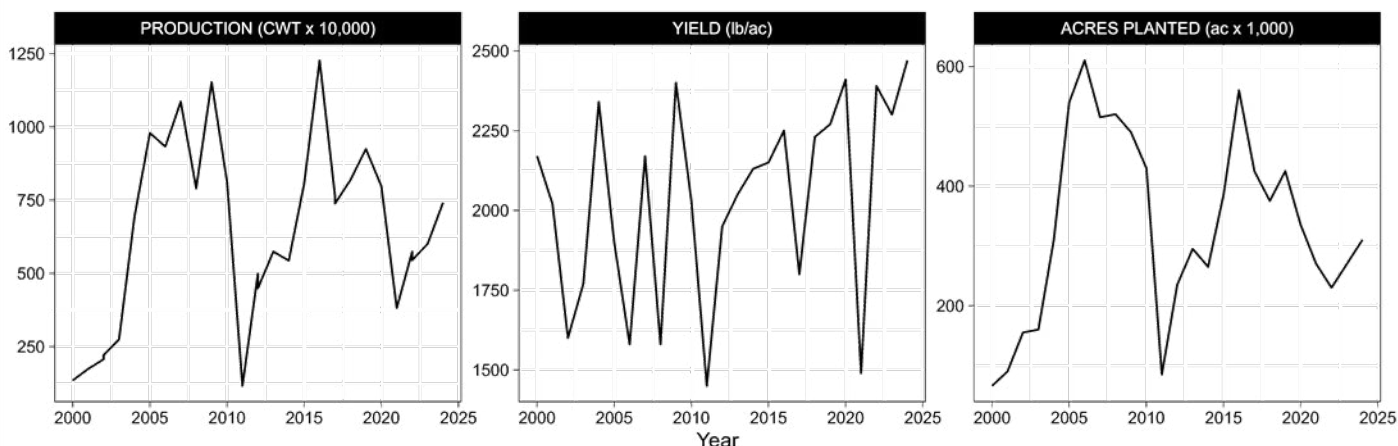


Figure 1. Field Pea Production, Yield and Acres Planted in North Dakota from 2000 to 2024. Data from USDA-NASS.

This selection guide summarizes dry pea variety performance at the various North Dakota State University Research Extension Centers. Give special attention to dry pea yield results of those trials nearest to your production area when evaluating varieties in these trials. Also, attempt to view yield averages of several years rather than using only one year's data as a determining factor. In addition, consider other agronomic characteristics — such as maturity, lodging score and protein percentages — if available.

The agronomic data presented are from replicated research plots using experimental designs that enable the use of statistical analysis. The least significant difference numbers beneath the columns in tables are derived from the statistical analyses. If the difference between two varieties exceeds the LSD value, it means that with 95% or 90% probability (LSD of 0.05 or 0.10), the higher-yielding variety has a significant yield advantage. If the difference between two varieties is less than the LSD value, then the variety yields are considered similar.

The coefficient of variation is a measure of variability in the trial and is expressed as a percentage. Large CVs mean a large amount of variation that could not be attributed to differences in the varieties. Only compare values within the table and look for trends for the desired trait among different experimental sites and years.

Variety trial data from all NDSU Research Extension Centers for all crops can be found at www.ag.ndsu.edu/varietytrials and the variety selection tool at <https://vt.ag.ndsu.edu/>.

Research specialists and technicians contributed to the fieldwork and data compilation., Secretaries in entering data into the respective sections of this document. We greatly appreciate the assistance provided by everyone involved.

Presentation of data for the varieties tested does not imply approval or endorsement by the authors or agencies conducting the tests. NDSU approves the reproduction of any table in this publication only if no portion is deleted, appropriate footnotes are given, the order of the data is not rearranged and NDSU is credited for the data.

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Table 1. Field Pea variety trial results from Langdon REC.

Field Pea											Langdon				
Variety	Brand	Days to	Days to	Canopy	Harvest	1000 seed	Seeds per	Test	Protein	Yield			Average Yield		
		Flower	Mature	Height	Ease	Weight	Pound	Weight		2022	2023	2024	2-Year	3-Year	
		(days)*	(days)*	(inch)	(1-9)	(g)	(seeds)	(lb/bu)	(%)	-----Yield----- ------(bu/a)-----					
Yellow Type															
EP_6816	Equinom	50	96	20	6	205	2212	62.3	28.5	--	77.0	67.9	72.4	--	
EP_8971	Equinom	50	101	16	6	232	1960	61.8	30.2	48.4	64.8	62.7	63.7	58.6	
EP_6381	Equinom	51	97	14	5	196	2325	63.2	29.2	--	--	58.8	--	--	
GTPC001	GeneTech	50	90	12	8	226	2015	63.5	26.1	--	--	81.8	--	--	
GTPR004	GeneTech	54	93	14	7	228	1996	63.4	26.8	--	--	74.3	--	--	
GTPR005	GeneTech	54	95	16	7	228	1993	63.3	26.4	--	--	75.5	--	--	
Spider	LaFrenz Seed	50	96	15	8	243	1866	61.6	28.1	--	80.4	77.6	79.0	--	
CDC Inca	Meridian Seeds	53	98	28	3	219	2071	63.6	26.1	71.7	77.7	90.8	84.2	80.1	
CDC Spectrum	Meridian Seeds	52	99	21	7	233	1950	62.6	26.5	61.0	83.9	84.3	84.1	76.4	
MS GrowPro	Meridian Seeds	52	98	23	4	302	1504	63.2	29.3	69.9	80.0	87.3	83.6	79.1	
AAC Beyond	Meridian Seeds	52	92	14	8	196	2316	62.3	26.8	--	87.8	70.5	79.1	--	
MS Prostar	Meridian Seeds	50	93	16	6	240	1894	62.6	27.3	--	78.0	82.0	80.0	--	
AAC Carver	Meridian Seeds	49	90	20	6	223	2039	62.3	24.7	--	--	91.7	--	--	
MS23-Y1	Meridian Seeds	52	99	22	5	208	2186	61.5	26.5	--	--	86.5	--	--	
CDC Boundless	NDCISA	52	98	13	8	258	1763	63.1	25.8	--	--	74.6	--	--	
Caphorn	NDCISA	51	98	20	5	268	1693	62.3	27.7	--	--	82.9	--	--	
PS1710022	NDCISA	49	90	4	9	242	1879	62.6	27.1	--	80.0	57.5	68.7	--	
Iconic	NDCISA	51	94	19	6	292	1557	63.4	27.7	--	--	96.0	--	--	
ND Dawn	NDSU/NDCIA	50	88	12	9	214	2127	62.7	24.9	46.4	73.7	66.0	69.9	62.0	
Protin	Photosyntech	50	93	19	5	321	1417	62.4	28.4	--	--	93.6	--	--	
PSTSPS54	Photosyntech	53	97	21	4	235	1939	63.5	25.8	--	--	84.7	--	--	
PSTSPS55	Photosyntech	48	89	18	6	247	1836	62.9	26.1	--	--	88.8	--	--	
PSTSPS56	Photosyntech	49	96	19	6	269	1689	63.9	26.4	--	--	73.4	--	--	
AAC Profit	Premier Genetics	52	101	18	6	202	2245	64.0	27.8	73.4	81.0	76.8	78.9	77.1	
Orchestra	Premier Genetics	49	90	14	7	277	1642	63.0	27.8	55.9	82.1	85.4	83.7	74.5	
PG-Cash	Premier Genetics	50	91	14	8	251	1812	62.5	27.5	--	75.9	83.7	79.8	--	
PG-Prairie	Premier Genetics	49	96	23	4	268	1693	64.0	26.3	--	--	80.4	--	--	
PG-Bank	Premier Genetics	50	97	20	6	233	1948	61.5	27.2	--	--	80.4	--	--	
DS Admiral	Pulse USA	49	90	15	7	226	2011	62.1	26.5	70.3	82.1	66.3	74.2	72.9	
AAC Chrome	Valesco	51	99	17	7	254	1796	63.1	25.8	70.8	84.5	72.3	78.4	75.9	
AAC Julius	Valesco	51	94	17	7	193	2351	61.5	27.9	58.6	86.6	70.3	78.4	71.8	
5206	Valesco	51	95	23	4	225	2027	62.7	26.8	--	83.1	78.5	80.8	--	
2822	Valesco	51	101	19	6	201	2259	61.9	28.7	--	83.5	72.8	78.2	--	
McMurphy	Valesco	51	96	22	5	232	1957	62.9	27.6	--	--	78.0	--	--	
2119	Valesco	52	96	23	4	211	2155	64.2	27.0	--	--	70.7	--	--	
Lacross	Valesco	49	94	16	6	172	2645	63.3	26.2	--	--	62.8	--	--	
CP5222Y	Winfield/Croplan	48	95	20	5	240	1899	63.2	27.1	71.2	81.8	81.5	81.7	78.2	
CP5244Y	Winfield/Croplan	48	95	18	6	284	1601	62.5	28.3	64.0	85.5	79.9	82.7	76.5	
Green Type															
Aragorn	Great Northern AG	48	87	17	9	200	2299	62.0	26.8	40.4	67.6	61.5	64.6	56.5	
MS22-G1	Meridian Seeds	51	100	24	4	215	2108	63.4	27.4	--	--	81.3	--	--	
ND Victory	NDSU/NDCIA	56	104	20	5	166	2740	63.7	26.5	44.9	72.4	68.3	70.3	61.9	
PSTSPS49	Photosyntech	52	93	18	4	238	1908	63.9	25.1	69.6	82.0	81.9	81.9	77.8	
PSTSPS57	Photosyntech	52	94	23	5	210	2168	63.7	26.0	--	--	88.1	--	--	
PSTSPS58	Photosyntech	53	99	24	5	274	1656	63.7	25.8	--	--	81.2	--	--	
PG-Greenback	Premier Genetics	51	93	20	6	230	1974	63.4	25.7	--	--	85.4	--	--	
CDC Striker	Pulse USA	50	90	7	9	200	2277	62.3	26.0	43.9	78.5	63.1	70.8	61.8	
Arcadia	Pulse USA	50	90	17	8	225	2018	63.8	27.9	46.6	70.2	67.0	68.6	61.3	
Shamrock	Valesco	53	91	14	7	245	1851	62.8	26.0	61.4	81.4	75.8	78.6	72.9	
Maple Type															
PSTSPS48	Photosyntech	48	96	25	4	264	1723	63.9	27.4	61.7	80.2	72.8	76.515	71.577	
Mean		51	95	18	6	232	1995	62.9	26.9	60.8	78.9	76.7	--	--	
C.V. %		1.6	2.7	19.6	14.5	4.0	4.3	1.0	2.2	7.4	7.4	11.4	--	--	
LSD 10%		1	3	4	1	11	99	0.7	0.7	5.0	7.9	10.2	--	--	

Planting Date = May 17; Harvest Date = September 9; Previous Crop = Barley; Soil Type = Svea-Barnes Loam

Data includes only released varieties. Experimental lines are not included. Statistics reflect the entire trial.

* Days after planting

Table 2. Field Pea variety trial results from Hettinger REC.

Field Pea											Hettinger	
Variety	Brand	Days to Flower	Days to Mature	Canopy Height	Lodging	Protein	1000 seed Weight	Seeds per Pound	Test Weight	Yield 2024	Average Yield	
		(days)*	(days)*	(inch)	(1 - 9) ¹	(%)	(g)	(seeds)	(lb/bu)	-----	(bu/ac)	-----
Yellow Cotyledon Type												
2119	Valesco Genetics	54	88	26	3	29.3	184	2472	61.8	24.4	--	--
2822	Valesco Genetics	53	88	23	3	29.4	186	2447	61.6	25.6	48.1	--
5206	Valesco Genetics	55	87	27	3	28.3	201	2276	62.9	31.8	53.7	--
AAC Beyond	Meridian Seeds	55	87	22	4	27.7	184	2484	62.4	26.2	46.8	--
AAC Carver	Meridian Seeds	52	87	28	3	26.6	210	2177	62.9	30.4	--	--
AAC Chrome	Valesco Genetics	54	87	22	3	27.1	202	2250	61.9	28.4	50.9	46.6
AAC Julius	Valesco Genetics	54	87	24	3	28.1	198	2292	62.4	29.3	47.8	45.7
AAC Profit	Premier Genetics	54	87	27	3	29.6	184	2483	62.2	28.8	47.2	45.7
Caphorn	NDCISA	52	87	24	3	28.9	221	2075	61.2	31.6	--	--
CDC Boundless	NDCISA	55	88	25	3	28.4	190	2403	62.5	29.6	--	--
CDC Inca	Meridian Seeds	55	87	25	2	27.8	190	2385	61.5	27.7	50.1	48.4
CDC Spectrum	Meridian Seeds	54	87	24	3	29.2	205	2224	62.0	30.7	50.7	48.9
CP5222Y	Croplan	51	87	26	4	27.4	199	2284	61.7	27.1	46.3	44.6
CP5244Y	Croplan	51	87	24	3	28.3	240	1893	61.5	27.9	41.7	40.6
DS Admiral	Pulse USA	52	86	23	4	27.7	217	2092	61.2	28.3	44.9	46.1
EP_6381	Equinom	52	88	24	3	29.5	178	2557	62.0	25.9	--	--
EP_6816	Equinom	53	87	25	3	28.7	198	2295	62.1	28.9	--	--
EP_8971	Equinom	53	87	25	3	31.1	202	2250	61.1	23.0	38.3	--
Iconic	NDCISA	53	87	26	4	29.0	246	1848	61.4	29.8	--	--
Lacross	Valesco Genetics	54	89	30	6	26.2	163	2780	62.7	23.4	--	--
McMurphy	Valesco Genetics	55	88	26	2	28.8	208	2189	61.7	30.5	--	--
MS Growpro	Meridian Seeds	55	87	26	2	28.0	179	2533	62.8	33.6	47.0	44.1
MS ProStar	Meridian Seeds	52	87	26	4	29.5	255	1779	60.9	29.7	49.4	--
MS23-Y1	Meridian Seeds	53	88	24	4	28.5	207	2197	60.9	24.4	--	--
ND Dawn	NDSU	54	87	23	3	27.3	207	2195	61.5	32.3	46.9	46.1
Orchestra	Premier Genetics	52	87	23	4	29.6	242	1874	62.1	29.6	44.0	42.1
PG Bank	Premier Genetics	53	87	28	3	28.5	223	2035	60.5	30.3	--	--
PG Cash	Premier Genetics	53	87	25	3	28.3	227	2001	61.1	30.6	48.4	--
PG Prairie	Premier Genetics	53	87	26	4	27.8	212	2144	61.4	29.8	--	--
Green Cotyledon Type												
Aragorn	Pulse USA	51	87	20	4	27.6	180	2529	61.1	20.9	30.7	31.3
Arcadia	Pulse USA	52	86	21	4	27.3	193	2349	60.8	24.9	38.7	37.9
CDC Striker	Pulse USA	54	87	23	4	29.4	200	2283	61.2	19.0	39.3	38.5
MS22-G1	Meridian Seeds	55	88	24	4	27.5	181	2516	61.2	17.6	--	--
ND Victory	NDSU	56	89	27	4	28.7	139	3281	61.5	19.9	41.4	41.0
PG Greenback	Premier Genetics	55	87	27	3	26.8	208	2181	62.3	33.4	--	--
Shamrock	Valesco Genetics	55	88	24	3	26.9	209	2169	61.5	23.9	42.9	40.8
Mean		53	87	25	3	28.3	201	2295	61.7	27.5	45.2	43.0
C.V. %		1.6	0.8	7.5	17.7	1.7	5.4	5.5	1.0	11.2	--	--
LSD 10%		0.8	0.7	1.7	0.6	0.5	10	116	0.5	2.8	--	--

* Days after planting

¹ Lodging: 1 = none, 9 = lying flat on ground.

Planting Date: May 3

Harvest Date: August 9

Table 3. Field Pea variety trial results from Dickinson REC.

Field Pea - Recrop											Dickinson		
Variety	Brand	Days to Flower (days)*	Days to Mature (days)*	1000 seed Weight (g)	Seeds per Pound (seeds)	Canopy Height (inch)	Test Weight (lb/bu)	Protein (%)	Yield			Average Yield	
									2022	2023	2024	2-Year	3-Year
									----- (bu/ac) -----			--- (bu/ac) ---	
Yellow Types													
DS Admiral	Pulse USA	56	88	214	2,118	27	62.9	26.8	43.8	24.2	50.0	37.1	39.4
ND Dawn	NDSU	57	89	212	2,140	25	62.7	27.2	39.9	23.2	51.1	37.2	38.1
AAC Profit	Premier Genetics	57	90	195	2,334	28	64.5	29.4	--	39.0	43.8	41.4	--
EP_6816	Equinom	53	89	188	2,420	28	63.0	28.5	--	27.8	47.7	37.8	--
EP_8971	Equinom	55	90	209	2,180	28	63.7	30.5	--	21.7	41.9	31.8	--
EP_6381	Equinom	57	90	185	2,456	30	62.7	29.4	--	--	42.7	--	--
CDC Inca	Meridian Seeds	58	90	210	2,166	29	64.3	27.8	41.4	27.3	45.9	36.6	38.2
CDC Spectrum	Meridian Seeds	56	90	219	2,074	27	63.9	28.1	39.3	31.4	46.8	39.1	39.2
MS GrowPro	Meridian Seeds	55	90	278	1,632	31	63.4	28.3	31.9	28.9	48.0	38.5	36.3
AAC Beyond	Meridian Seeds	58	89	198	2,292	25	64.3	27.3	--	36.1	45.7	40.9	--
MS Prostar	Meridian Seeds	58	90	222	2,046	30	63.1	28.4	--	31.5	53.9	42.7	--
AAC Carver	Meridian Seeds	56	88	211	2,153	26	63.4	25.6	--	--	51.3	--	--
GTPC001	GeneTech	57	88	205	2,213	23	62.9	27.5	--	--	51.4	--	--
GTPR004	GeneTech	58	90	206	2,197	22	63.0	28.8	--	--	51.0	--	--
GTPR005	GeneTech	58	90	208	2,176	23	63.0	29.1	--	--	53.5	--	--
CP5222Y	CROPLAN	53	90	214	2,116	26	65.6	26.1	41.2	27.9	40.8	34.3	36.6
CP5244Y	CROPLAN	52	88	241	1,885	26	64.7	27.0	39.6	25.7	51.2	38.4	38.8
AAC Julius	Valesco Genetics	58	88	184	2,467	27	63.5	27.9	45.2	33.6	49.2	41.4	42.7
Caphorn	NDCISA	57	90	247	1,837	30	63.8	28.0	--	--	45.4	--	--
PS17100022	NDCISA	55	88	232	1,952	22	63.7	27.1	--	30.6	56.0	43.3	--
Iconic	NDCISA	57	89	248	1,833	30	64.0	27.8	--	--	49.6	--	--
Orchestra	Premier Genetics	55	90	248	1,827	27	63.7	29.2	--	25.3	53.4	39.4	--
PG Cash	Premier Genetics	56	89	225	2,017	27	63.9	28.0	--	35.2	51.1	43.1	--
PG Prairie	Premier Genetics	57	90	242	1,871	27	64.4	26.0	--	--	38.8	--	--
Green Types													
Aragorn	Pulse USA	54	88	182	2,495	22	62.2	27.2	34.6	21.6	37.2	29.4	31.1
Arcadia	Pulse USA	57	88	181	2,502	22	62.6	26.4	40.6	25.5	45.6	35.5	37.2
CDC Striker	Pulse USA	59	89	220	2,060	26	63.5	28.5	43.7	22.6	37.4	30.0	34.6
ND Victory	NDSU	60	92	153	2,961	32	64.3	27.7	32.0	24.5	23.0	23.7	26.5
PG Greenback	Premier Genetics	59	90	209	2,173	33	65.1	26.4	--	33.0	49.9	41.4	--
Mean		56	89	210	2,190	27	63.7	27.8	39.3	27.9	46.8	--	--
C.V. %		2.7	0.7	2.8	2.8	7.3	0.5	1.6	9.8	9.1	7.7	--	--
LSD 10%		1	1	5	56	2	0.3	0.4	4.6	2.0	3.3	--	--

* Days after planting

Planting Date: April 25, 2024

Harvest Date: July 26, 2024 for all except ND Victory was harvested July 29, 2024

Previous Crop: cover crop forage

Seeding Rate: 325,000 live seeds/ac

Grain protein percentages reported on 0% moisture basis

Table 4. Field Pea variety trial results from Carrington REC.

Field Pea																Carrington
Variety	Brand	Days to	Days to	Harvest Ease			Average	Protein	1000 seed	Seeds per	Test	Yield			Average	
		Flower	Maturity	2022	2023	2024	3-year		Weight	Pound	Weight	2022	2023	2024	3-year	
		(days)*	(days)*	----- (1-9) ¹ -----			-----	(%)	(g)	(seeds)	(lb/bu)	----- (bu/a) -----			-----	
Yellow Type																
DS Admiral	Core	59	91	3.5	6	6	4.9	24.4	246	1845	64.1	45.4	51.8	35.6	44.3	
CDC Inca	Core	61	90	3.8	4	5	4.3	25.0	244	1859	64.8	43.7	70.1	41.7	51.8	
ND Dawn	Core	59	89	6.0	6	5	5.9	23.7	236	1926	63.1	38.8	61.9	38.9	46.5	
AAC Profit	Core	61	91	7.3	5	4	5.3	26.4	217	2096	65.0	45.2	71.9	38.5	51.8	
Majestic	JB Farms	60	90	--	--	4	--	27.0	257	1767	63.4	--	--	28.8	--	
EP_6816	Equinom	60	91	--	5	6	--	25.2	210	2166	63.8	--	61.2	33.0	--	
EP_8971	Equinom	59	90	6.5	5	7	5.9	24.0	230	1978	63.6	25.7	52.8	36.5	38.3	
EP_6381	Equinom	60	91	--	--	6	--	24.7	211	2147	63.5	--	--	36.2	--	
CDC Spectrum	Meridian Seeds	60	91	4.0	4	4	4.1	27.5	247	1837	64.0	38.6	61.5	41.6	47.2	
MS Growpro	Meridian Seeds	59	90	5.3	4	4	4.5	31.8	305	1491	63.7	42.5	66.4	39.5	49.5	
AAC Beyond	Meridian Seeds	60	90	7.5	5	6	6.1	27.3	218	2079	65.2	48.4	79.2	42.7	56.8	
MS Prostar	Meridian Seeds	60	91	7.5	5	6	6.2	24.9	244	1864	63.7	41.0	61.5	40.0	47.5	
AAC Carver	Meridian Seeds	59	90	--	--	6	--	25.6	248	1833	64.0	--	--	38.5	--	
CP5222Y	Croplan	58	91	--	--	5	--	25.3	246	1843	64.7	--	--	35.8	--	
CP5244Y	Croplan	59	90	--	--	7	--	26.4	293	1550	64.2	--	--	36.7	--	
PG 2601	Pulse Genetics	60	89	6.5	5	6	5.6	28.1	230	1973	64.4	40.9	64.8	41.6	49.1	
PG 8619	Pulse Genetics	59	90	--	--	4	--	26.0	231	1963	64.1	--	--	38.3	--	
PG 8807	Pulse Genetics	60	91	--	--	5	--	24.6	235	1931	64.4	--	--	41.6	--	
MS23-Y1	Meridian Seeds	61	92	--	--	5	--	23.4	200	2270	63.7	--	--	42.5	--	
AAC Julius	NDCISA	60	90	4.5	4	4	4.4	26.8	217	2093	64.2	43.1	72.4	39.4	51.6	
Caphorn	NDCISA	60	90	--	4	5	--	24.2	263	1726	64.0	--	66.6	38.4	--	
PS1710022	NDCISA	59	89	5.8	6	8	6.5	24.3	265	1712	62.9	42.8	62.0	33.3	46.0	
Iconic	NDCISA	60	90	--	--	4	--	26.2	290	1565	64.3	--	--	37.6	--	
Orchestra	Premier Genetic	59	89	5.8	6	5	5.3	25.9	283	1602	64.2	32.9	49.8	29.3	37.3	
PG-Cash	Premier Genetic	60	90	--	5	5	--	26.0	267	1702	63.8	--	70.5	39.2	--	
PG-Prairie	Premier Genetic	60	90	--	--	5	--	26.0	261	1738	64.3	--	--	36.3	--	
PG-Bank	Premier Genetic	59	91	--	--	5	--	25.9	238	1907	64.3	--	--	41.1	--	
Green Type																
CDC Striker	Core	60	91	6.0	5	6	5.8	25.8	243	1869	64.3	37.0	54.4	29.7	40.4	
Aragorn	Core	59	90	8.0	7	8	7.6	25.3	219	2072	62.8	35.0	56.1	27.5	39.5	
Arcadia	Core	59	90	7.0	7	7	7.1	25.6	227	2000	63.4	41.4	51.8	36.8	43.3	
ND Victory	Core	62	92	6.3	2	4	4.2	27.6	160	2843	64.1	32.9	65.3	26.4	41.5	
Bluemoon	JB Farms	60	91	--	--	5	--	26.1	257	1768	64.2	--	--	34.6	--	
MS22-G1	Meridian Seeds	61	93	--	--	5	--	25.3	214	2124	65.2	--	--	22.4	--	
PG-Greenback	Premier Genetic	61	92	--	4	6	--	25.3	251	1811	64.8	--	72.1	50.0	--	
Mean		60	90	--	--	5	--	25.8	238	1905	64.0	--	--	37.2	--	
C.V. %		1	1	--	--	22	--	4.8	3	3	0.5	--	--	7.4	--	
LSD 10%		1	1	--	--	2	--	1.4	11	84	0.4	--	--	2.2	--	

* Days after planting

Planting Date = May 25; Harvest Date = August 12; Previous Crop = Durum

Data includes only released varieties. Experimental lines are not included. Statistics reflect the entire trial.

¹ Lodging: 1 = none, 9 = lying flat on ground.

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