

Durum Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2019

Variety	Plant Height (in)	Days to Head (DAP*)	Lodging (0 - 9+)	Protein†			Test Weight (lb/bu)	Yield		
				2019 (%)	2-Yr Avg (%)	3-Yr Avg (%)		2019 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
ND Riveland	38	69	0	14.7	15.6	15.9	58.2	72.4	68.9	83.4
Carpio	35	71	0	14.5	15.3	15.8	59.6	70.0	67.3	80.3
Joppa	36	70	0	13.6	14.7	15.1	59.7	79.0	68.6	80.0
Alkabo	34	67	0	14.6	15.0	15.1	59.7	73.1	67.7	79.0
ND Grano	36	68	0	14.4	15.1	15.5	60.3	75.8	65.8	79.0
Divide	36	68	0	14.5	15.6	16.0	59.1	76.6	68.8	78.5
Grenora	34	67	0	14.4	15.2	15.5	58.4	72.6	68.1	78.4
Tioga	38	70	0	14.6	15.4	15.8	59.3	75.7	68.1	77.9
Mountrail	34	68	0	14.3	15.1	15.6	58.9	76.2	66.6	77.5
Maier	33	69	0	15.3	16.2	16.7	59.8	70.2	61.9	74.6
Strongfield	35	70	0	14.8	16.2	16.7	59.5	73.5	66.5	74.4
CDC Verona	37	71	0	15.7	16.9	17.0	57.4	58.9	59.6	72.9
AC Commander	29	67	0	14.1	15.0	15.3	58.1	80.4	66.0	72.9
Pierce	36	68	0	14.6	15.3	15.6	59.7	71.6	61.3	72.2
Rugby	37	66	0	15.0	15.8	16.1	59.0	69.9	62.5	71.5
Lebsock	32	65	0	14.8	15.5	15.8	59.9	69.5	62.6	71.3
Alzada	29	64	0	14.7	15.1	15.5	57.1	66.8	60.3	70.3
Ben	35	65	0	15.1	15.8	16.0	59.8	70.6	62.6	70.1
Normanno	26	64	0	16.3	16.1	16.3	55.5	65.7	57.8	70.0
VT Peak	35	67	0	14.7	14.7	14.7	60.0	72.9	72.9	-
AAC Cabri	36	71	0	15.0	15.0	15.0	59.9	73.8	-	-
MEAN	34.2	67.6	0.1	14.74	15.52	15.86	58.89	72.03	64.79	75.48
C.V. (%)	4.0	1.8	407.1	5.55	-	-	1.45	9.14	-	-
LSD (5%)	2.0	1.8	ns	1.16	-	-	1.21	9.33	-	-
LSD (10%)	1.6	1.5	ns	0.97	-	-	1.01	7.79	-	-

* Days after planting † 0: no lodging - 9: plants lying flat on the ground † Protein content adjusted to 12% moisture

Location: Latitude 48 9.9222°N; Longitude 103 6.132°W

Elevation: 1902 ft

Soil test (0-6 in.): P=22 ppm; K=177 ppm; pH=7.9; OM=2.2%

Previous Crop: Soybean

(0-24 in.): NO₃-N=25 lb/a

Planted: 4/23/2019

Yield goal: 90 bu/a

Harvested: 8/21/2019

Planting population: 1.5 million seeds/a

Soil Type: Lihen Loamy Fine Sand

Applied fertilizer: 385 lb/a of Urea (46-0-0) [4/18]

Plot size: 92 ft²

Herbicides applied: 2,4-D 1.5 pt/a, Talinor 14 oz/a, Tacoma 0.66 pt/a, and Goldsky 1 pt/a (6/5)

Rainfall: 9.6 inches (4/23 - 8/21)

Fungicides applied: Tilt 4 oz/a (6/5) and Prosaro 421 8 oz/a (7/2)