

Durum Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2020

Variety	Days to Head (DAP*)	Plant Height (in)	Lodging (0 - 9 ⁺)	Protein [†]			Test Weight (lb/bu)	Yield		
				2020 (%)	2-Yr Avg (%)	3-Yr Avg (%)		2020 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
Grenora	58	31	0	17.2	15.8	15.9	61.3	96.7	84.7	77.6
ND Riveland	60	37	0	17.4	16.1	16.2	61.9	87.3	79.9	75.0
Joppa	60	31	0	17.6	15.6	15.7	61.4	80.5	79.8	72.6
AC Commander	59	27	0	17.9	16.0	16.0	61.0	83.2	81.8	71.7
Divide	60	30	0	18.6	16.5	16.6	60.2	71.0	73.8	69.6
Tioga	59	34	0	17.8	16.2	16.2	60.1	71.9	73.8	69.4
Alkabo	58	28	0	17.5	16.0	15.9	60.8	71.8	72.4	69.1
Carpio	61	32	0	18.5	16.5	16.4	60.8	72.0	71.0	68.9
ND Grano	60	30	0	17.6	16.0	16.0	61.5	74.0	74.9	68.5
Mountrail	60	30	0	18.6	16.5	16.3	59.8	70.5	73.3	67.9
Alzada	56	26	0	17.2	15.9	15.8	61.5	82.8	74.8	67.8
Strongfield	58	32	0	19.4	17.1	17.2	60.5	68.1	70.8	67.0
Lebsock	59	30	0	18.8	16.8	16.6	61.1	73.5	71.5	66.3
Rugby	58	34	0	18.8	16.9	16.8	60.2	70.0	69.9	65.0
Pierce	58	32	0	18.2	16.4	16.3	61.0	67.5	69.6	63.3
Maier	59	29	0	20.0	17.7	17.4	59.0	64.7	67.4	62.8
CDC Verona	59	28	0	20.3	18.0	18.0	60.2	66.1	62.5	61.7
AAC Cabri	61	30	1	20.5	17.8	-	60.7	71.9	72.9	-
VT Peak	58	30	0	19.0	16.9	-	61.4	67.4	70.1	-
AAC Stronghold	58	30	0	18.8	-	-	61.5	75.5	-	-
MEAN	58.8	30.5	0.1	18.49	16.56	16.42	60.79	74.31	82.69	74.71
C.V. (%)	3.2	9.9	542.9	4.39	-	-	1.44	11.89	-	-
LSD (5%)	2.6	4.3	0.4	1.35	-	-	1.44	15.63	-	-
LSD (10%)	2.2	3.6	0.3	1.12	-	-	1.20	13.05	-	-

* 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=18 ppm; K=242 ppm; pH=7.5; OM=2.2 %

Previous crop: Field Pea

(0-24 in.): NO3-N= 17 lb/a

Planted: 4/27/2020

Yield goal: 90 bu/a

Harvested: 8/17/2020

Planting population: 1.5 million seeds/a

Soil type: Lihen Loamy Fine Sand

Fertilizer applied: 330 lb/a of Urea (46-0-0) [4/30]

Plot size: 92 ft²

Herbicides applied: Perfect Match (1pt/a), Class Act (2qt/100gal) [5/26]

Rainfall: 4.7 inches [4/27 - 8/17]

Fungicide applied: Prosoaro 421 (8oz/a) [6/29]

Irrigation: 11.85 in [4/27 - 8/17]