

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Durum Irrigated Wheat Variety Trial								WREC, Nesson Valley, ND 2016		
Variety	Origin	Year of release	Plant height (in)	Days to head (DAP+)	Lodging (0-9*)	Protein† (%)	Test weight (lb/bu)	Yield		
								2016 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
Tioga	ND	2010	30.9	61	0	15.1	62.3	78.0	91.2	86.8
Mountrail	ND	1998	29.8	62	0	16.0	61.4	78.0	89.5	85.7
Pierce	ND	2001	30.8	60	0	15.5	62.4	74.3	90.0	84.7
Grenora	ND	2005	28.1	60	0	15.7	62.0	75.1	89.4	84.6
Joppa	ND	2013	30.2	62	0	15.2	62.3	67.7	90.5	82.9
Carpio	ND	2012	30.4	64	0	14.9	62.3	72.5	87.3	82.4
CDC Verona	Canada	2010	29.6	61	0	15.3	61.5	66.4	89.9	82.0
Strongfield	Canada	2004	30.6	60	0	16.2	60.8	70.9	87.4	81.9
DG Max	DGP	2008	29.7	59	0	16.1	61.6	68.9	87.9	81.6
VT Peak	Viterra	2010	24.7	60	0	16.8	62.8	79.0	80.6	80.0
Alkabo	ND	2005	27.5	60	0	14.9	62.1	61.9	86.8	78.5
Divide	ND	2005	28.7	62	0	15.3	61.5	67.6	84.0	78.5
Lebsock	ND	1999	27.2	60	0	14.6	62.6	68.3	82.4	77.7
Ben	ND	1996	30.4	60	0	16.5	61.9	65.5	82.8	77.0
AC Commander	Canada	2002	26.3	60	0	15.2	60.6	63.9	83.1	76.7
AC Navigator	Canada	1999	28.5	61	0	15.9	61.1	62.0	81.8	75.2
Maier	ND	1998	28.1	61	0	15.6	61.7	61.1	80.1	73.7
Rugby	ND	1973	30.2	62	0	14.8	61.4	55.7	78.6	70.9
Silver	MSU	2012	27.8	59	0	16.8	60.3	59.7	75.5	70.2
Alzada	WB	2004	26.0	58	0	16.5	59.8	55.4	77.1	69.9
Normanno			25.5	59	0	15.7	59.0	60.1	70.5	67.0
Westhope	WB	2009	28.3	62	0	15.7	61.4	73.0	-	-
Wales			28.3	62	0	15.3	61.3	70.5	-	-
DG Star	DGP	2007	30.3	59	0	16.1	61.0	65.8	-	-
WB Belfield	WB		24.0	58	0	16.7	60.0	47.4	-	-
Mean			28.5	60.3	0.0	15.7	61.4	66.7	84.1	78.5
C.V.			10.6	1.8	692.2	4.7	0.6	13.6	-	-
LSD 5%			4.3	1.5	0.2	1.1	0.5	12.8	-	-
LSD 10%			3.6	1.2	0.2	0.9	0.4	10.7	-	-

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W; Elevation 1902 ft

Previous crop: Potato

Planted: 4/21/2016

Harvested: 8/9/2016

Residue status at planting: Conventional Till

Soil type: Lihen Loamy Fine Sand

Plot size: 91.875 ft²

Applied fertilizer in lbs/a broadcast: 420 lbs/a of 46-0-0

Soil test to 6": 13-ppm P, 152-ppm K, OM-1.8, pH-7.7

Soil test to 2' : 7 lbs of N

Yield goal: 90 bu/a

Planting population: 1.25 million seeds/a

Herbicides applied: Starane 10 oz/a + Tacoma 1EC 10 oz/a + Bison 1.5 pt/a (5/17/2016)

Fungicides applied:

Rainfall: 8.21 in (4/21/2016 - 8/9/2016)

Irrigation: 6.8 in (4/21/2016 - 8/9/2016)

Days after planting

*0: no lodging - 9: plants lying flat on ground

†Protein content adjusted to a 12% moisture