

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Irrigated Corn Variety Trial

WREC, Nesson Valley, ND 2016

Variety	Brand/ Company	Relative maturity	Days to silk ⁺ (DAP*)	Ear height [†] (in)	Harvest moisture [‡] (%)	Test Weight (lb/bu)	Yield [¥]		
							2016 (bu/a)	2 yr. avg. (bu/a)	3 yr. avg. (bu/a)
3537VT2PRIB	Integra	85	70	45	18.6	56.1	224.5	191.8	188.6
5N-183	NuTech Seed	83	69	48	18.6	56.4	223.4	177.8	174.1
1B820-RIB	REA Hybrids	82	68	41	17.3	56.4	180.4	153.2	160.8
3142VT3PRIB	Integra	81	69	46	17.6	57.9	187.2	150.8	156.0
1B790-RIB	REA Hybrids	79	68	45	17.1	57.6	197.5	170.7	-
2803VT2PRIB	Integra	78	68	44	17.9	55.9	194.9	163.0	-
2B840-RIB	REA Hybrids	84	69	41	18.5	55.3	215.4	159.1	-
5F-379	NuTech/G2 Genetics	79	68	47	16.1	54.5	176.7	133.0	-
2B850-RIB	REA Hybrids	85	69	43	18.1	55.6	204.2	-	-
3236	Integra	82	69	44	18.5	56.2	155.8	-	-
Mean			68.6	44.5	17.8	56.2	196.0	162.4	169.9
C.V.%			0.9	6.5	5.5	0.7	8.5	-	-
LSD 5%			0.9	4.2	1.4	0.6	24.1	-	-
LSD 10%			0.8	3.5	1.2	0.5	20.0	-	-

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

Previous crop: Durum

Planted: 5/13/2016

Harvested: 10/25/2016

Plot size: 130ft²

Soil Type: Lihen Loamy Fine Sand

Applied Fertilizer in lbs/a broadcast: 420 lbs of 46-0-0 (5/23/2016)

Soil test to 6": 15-ppm P, 185-ppm K, OM-2.2, pH-8.5

Soil test to 2' in lb/a: 41 lbs N

Yield Goal: 190 bu/a

Planting Population: 38,000 seeds/a

Row spacing: 30 inch

Herbicide applied: Roundup 26 oz/a + Class Act 3qt/ 100 gal (6/23/2016)

Rainfall: 12.02 inches (5/13/2016 - 10/25/2016)

Irrigation: 11.95 inches (5/13/2016 -10/25/2016)

+ The number of days from planting until 1 inch silk has emerged

* Days after planting

† The height of the main ear measured from the ground to the shank of the ear

‡ Moisture taken at harvest

¥ Yields adjusted to Harvest moisture