

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Corn Irrigated Variety Trial

WREC, Nesson Valley, ND 2017

Variety	Company/Brand	Relative maturity	Days to Silk ⁺ (DAP*)	Ear Height [†] (in)	Harvest Moisture [‡] (%)	Test Weight (lb/bu)	Yield [*]		
							2017 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
3537	Integra	85	69	43	16.7	54.5	218.7	221.6	200.8
2B840-RIB	REA Hybrids	84	67	43	16.0	55.7	229.3	222.4	182.5
1B790-RIB	REA Hybrids	79	67	43	15.0	56.8	199.3	198.4	180.3
2803	Integra	78	67	40	15.8	54.7	181.5	188.2	169.2
2B861	REA Hybrids	86	68	42	16.8	54.9	231.6	-	-
1B811	REA Hybrids	79	67	41	15.5	55.6	227.5	-	-
3718	Integra	87	69	41	17.0	55.2	211.5	-	-
IC 2862-3110	RobSeeCo	78	65	40	17.0	55.1	197.0	-	-
IC 2925-3110	RobSeeCo	79	68	40	16.6	55.7	190.1	-	-
IC 2701-3110	RobSeeCo	77	67	40	16.0	56.0	182.6	-	-
Mean			67.4	41.3	16.24	55.43	206.90	207.64	183.17
C.V. (%)			-	-	6.07	0.91	11.76	-	-
LSD (5%)			-	-	1.43	0.73	35.31	-	-
LSD (10%)			-	-	1.19	0.61	29.31	-	-

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

Planted: 5-16-2017

Plot size: 120ft²

Soil test to (0-6"): P=16 ppm; K=195 ppm; pH=7.6; OM=2.2%
(0-24"): NO3-N=52 lb/a

Applied fertilizer in lb/a broadcast: 320 lbs of Urea (46-0-0)

Yield goal: 190 bu/a

Planting population: 38,000 seeds/a

Row spacing: 30 inch

Herbicide applied: Cornerstone 5 Plus 27oz/a + Class Act 1gal/ 100gal H2O (7/6/2017)

Rainfall: 7.84 in. (5/16/2017 - 10/31/2017)

Irrigation: 15.4 in. (5/16/2017 - 10/31/2017)

⁺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

Previous crop: Durum

Harvested: 10-31-2017

Soil type: Lihen Loamy Fine Sand