

## Irrigated Corn Variety Trial

Variety	Brand/ Company	Relative Maturity	Days to	Ear	Harvest	Test	Yield		
			Silk <sup>1</sup> DAP <sup>2</sup>	Height <sup>3</sup> inch	Moisture %	Weight lb/bu	2014	2015 <sup>4</sup>	2 yr avg
							-----bu/a-----		
3537VT2PRIB	Integra	85	78	38	21.9	58.8	182.3	159.1	170.7
L-1814 VT2PRO	Legacy Seeds Inc.	79	76	41	17.2	59.3	184.2	123.0	153.6
L-2213 VT2PRO	Legacy Seeds Inc.	80	73	34	17.3	59.8	181.2	124.7	153.0
1B820-RIB	REA Hybrids	82	74	38	18.4	59.3	175.9	126.0	151.0
L-2314 VT2PRO	Legacy Seeds Inc.	83	73	44	16.9	58.4	166.1	133.2	149.7
5N-183	NuTech/G2 Genetics	83	78	43	17.8	58.2	166.8	132.2	149.5
3142VT3PRIB	Integra	81	72	42	16.8	60.3	166.6	114.3	140.5
9301VT2PRIB	Integra	80	72	39	17.4	59.7	163.7	116.6	140.2
1B790-RIB	REA Hybrids	79	77	39	19.7	58.5	-	144.0	-
5Z-783	NuTech/G2 Genetics	83	78	47	18.0	57.6	-	139.7	-
N15J-3110	Syngenta	82	78	42	17.7	58.2	-	138.2	-
5F-781	NuTech/G2 Genetics	81	73	41	18.2	58.5	-	133.6	-
N06P-3110	Syngenta	76	74	41	16.1	59.3	-	132.2	-
2803VT2PRIB	Integra	78	76	39	17.7	58.4	-	131.1	-
N07H-3010	Syngenta	77	75	37	17.1	59.5	-	123.9	-
N09V-3010	Syngenta	79	77	41	17.5	60.3	-	122.4	-
5F-775	NuTech/G2 Genetics	75	71	37	16.6	56.9	-	117.1	-
2823 GTCBLL	NuSeed/ Legend Seed	82	76	39	16.9	58.9	-	116.3	-
4383VT2PRIB	Thunder	83	71	36	18.2	59.6	-	114.2	-
2B840-RIB	REA Hybrids	84	72	43	15.5	59.7	-	102.8	-
1B731-RIB	REA Hybrids	73	68	41	15.0	61.2	-	96.5	-
5181RR	Thunder	81	77	38	17.9	59.2	-	96.4	-
5F-379	NuTech/G2 Genetics	79	72	39	17.4	58.2	-	89.4	-
Mean			74.4	39.8	17.53	59.03	173.35	122.91	150.99
C.V.%			2.5	11.4	6.8	1.1	-	15.6	-
LSD 5%			2.59	6.37	1.67	0.93	-	26.89	-
LSD 10%			2.16	5.32	1.40	0.78	18.90	22.47	-

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

Planted: 5/12/2015

Harvested: 10/22/2015

Plot size: 100ft<sup>2</sup>

Previous crop: Potato

Applied fertilizer in lbs/a broadcast: 392 lbs of 46-0-0 (4/10/2015)

Soil test to 6": 19 ppm P : 245 ppm K OM-2.3 pH-7.8

Soil test to 2' in lb/a: 49 lbs N

Soil type: Lihen Loamy Fine Sand

Yield goal: 190 bu/a

Planting population: 38,000 seeds/a

Row spacing: 30 inch

Herbicide applied: Roundup 24oz/a + Veracity 3qt/ 100 gal (6/23/2015)

Rainfall: 9.5 inches (5/12 - 10/22)

Irrigation: 7.7 inches (4/23 -8/3)

Days to Silk<sup>1</sup>= The number of days from planting until 1 inch silk has emerged

DAP<sup>2</sup>= Days after planting

Ear Height<sup>3</sup>= The height of the main ear measured from the ground to the shank of the ear

2015<sup>4</sup>= Yields reduced because of wind damage 7/28 (62mph) green snap & 10/11 (54mph) ear loss