

Corn Variety Trial **WREC, Williston - 2015**

Variety	Company	Maturity ¹	Days to Silk DAP ²	Ear Height inch	Green Snap %	Ear Drop %	Harvest Moisture %	Test Weight ³ lb/bu	Yield ⁴ bu/a		
									2015	2yr avg	3yr avg
Conventional											
06B21	Blue River Hybrids	76	66	23	23	5	17.2	55.4	42.9	-	-
Roundup Ready											
5F-775	NuTech/G2 Genetics	75	64	24	14	4	15.0	54.4	52.9	56.2	72.0
5N-183	NuTech	83	70	25	10	3	19.7	54.7	68.6	64.5	67.9
N09V-3010	Syngenta	79	69	26	22	6	16.5	57.9	48.8	51.3	63.3
N07H-3010	Syngenta	77	69	26	16	22	16.9	56.7	45.5	43.5	54.9
8001 VT2P RIB	Nuseed/Legend Seed	80	66	24	11	5	19.6	56.8	57.1	67.0	-
L-2314 VT2PRO	Legacy Seeds	83	68	25	13	9	20.4	55.5	65.8	65.7	-
5F-379	NuTech/G2 Genetics	79	66	22	16	7	17.0	55.4	52.2	63.9	-
5F-781	NuTech/G2 Genetics	81	67	26	13	4	17.8	56.4	60.0	63.3	-
09R19	Blue River Hybrids	79	70	22	13	7	20.4	56.2	52.7	58.3	-
L-2213 VT2PRO	Legacy Seeds	80	67	24	10	4	18.1	57.7	57.1	57.3	-
N06P-3110	Syngenta	76	68	24	8	11	16.4	55.5	54.5	57.2	-
9301VT2PRIB	Integra/Wilbur Ellis	80	68	23	16	3	20.1	55.9	54.4	56.8	-
2803VT2PRIB	Integra/Wilbur Ellis	78	70	25	20	10	18.7	55.6	49.8	56.0	-
3142VT3PRIB	Integra/Wilbur Ellis	81	69	27	8	11	19.5	57.4	54.6	55.8	-
L-1814 VT2PRO	Legacy Seeds	79	69	26	6	16	18.8	58.2	52.9	51.5	-
3537VT2PRIB	Integra/Wilbur Ellis	85	71	27	12	11	24.5	55.7	62.3	-	-
5Z-783	NuTech/G2 Genetics	83	67	28	10	5	19.0	54.1	61.7	-	-
1182 GTCBLL	Proseed	82	70	24	8	9	20.7	55.0	59.3	-	-
N15J-3110	Syngenta	82	71	26	16	4	20.6	56.4	58.5	-	-
1280 VT2P	Proseed	80	68	25	11	6	20.6	57.0	57.3	-	-
4383VT2PRIB	Thunder Seed	83	66	23	15	5	18.8	58.0	55.5	-	-
5181RR	Thunder Seed	81	70	27	21	9	20.5	58.3	49.4	-	-
L-2415 VT2PRO	Legacy Seeds	83	69	24	17	11	19.2	56.2	49.0	-	-
1B730-RIB	REA Hybrids	73	65	25	9	13	17.7	60.2	47.3	-	-
1B820-RIB	REA Hybrids	82	68	25	22	12	21.3	57.0	46.0	-	-
Mean			68.0	24.7	13.7	8.0	19.02	56.44	54.45	-	-
C.V.%			1.9	8.5	43.4	88.9	3.7	1.0	13.0	-	-
LSD 5%			1.8	3.0	8.4	10.0	0.98	0.83	9.97	-	-
LSD 10%			1.5	2.5	7.0	8.3	0.82	0.69	8.34	-	-

Location of the WREC: Latitude 48 8'; Longitude 103 44'W; Elevation 2105 ft

Planted: 5/27/15

Harvested: 10/31/15

Harvested area: 130 ft2

Previous crop: peas

Applied fertilizer in lb/a: 11 N : 0 P2O5 : 0 K2O : 12S

Soil type: Williams-Bowbells loam

Soil test to 6" in ppm: 24P : 335K OM-1.8 pH-6.4

Soil test to 24" in lb/a: 75N

Previous Crop Credit: 40N

Chemical Applications: Fierce at 3fl.oz/A (preplant spring applied)

Maturity¹ = provided by company

DAP² = Days after planting

Test Weight³ = Test Weight adjusted to 15.5% moisture

Yield³ = Yield adjusted to 15.5% moisture

Green Snap: % of plants that exhibited stem breakage caused by severe wind = 7/28/15 - had sustained westerly winds of 20-40mph nearly all day with gusts over 50mph with 0.27 inch rainfall so all varieties lodged significantly to the east. Within a few days, a portion of stands had straightened up, but % green snap indicates amount that remained lodged so severely so that couldn't be harvested with combine, resulting in yield loss.

Ear Drop: % of plants that have lost the main ear prior to harvest = 10/11/15 - had sustained westerly winds of 20-30mph nearly all day with gusts over 55mph causing the already weakened plants from 7/28 storm to lose their ear resulting in yield loss.