

Corn Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2020

Variety	Company / Brand	Relative Maturity	Days to Silk (DAP*)	Ear Height (in)	Harvest Moisture † (%)	Test Weight (lb/bu)	Yield‡		
							2020 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg (bu/a)
1B780	REA Hybrids	79	74	42	12.6	53.3	183.4	171.7	180.6
3718 VT2P RIB	INTEGRA	87	77	44	14.1	53.7	183.3	168.8	-
1974	Proseed	74	73	33	12.9	56.9	143.2	152.3	-
3537 VT2P RIB	INTEGRA	85	78	44	13.0	53.7	153.5	144.6	-
3282 VT2P RIB	INTEGRA	82	77	44	12.7	54.0	137.5	135.4	-
1980 VT2P	Proseed	80	72	39	13.3	56.3	192.5	-	-
2B851	REA Hybrids	85	75	41	12.8	53.8	181.8	-	-
1B821	REA Hybrids	82	75	39	12.7	53.8	178.5	-	-
3431 VT2P RIB	INTEGRA	84	76	44	13.0	54.5	172.4	-	-
CX20181 VC / D21VC81	Dyna-Gro	81	75	42	12.8	54.4	160.1	-	-
D22QZ42	Dyna-Gro	82	75	42	14.5	54.3	155.8	-	-
D27VC87RIB	Dyna-Gro	87	77	36	13.1	53.8	150.8	-	-
1882 VT2P	Proseed	82	76	43	12.7	55.2	137.5	-	-
2078 GT	Proseed	78	76	45	12.2	52.0	138.1	-	-
1B750	REA Hybrids	75	74	34	12.5	56.4	127.4	-	-
MEAN			75.2	40.8	12.98	54.41	159.73	154.58	180.60
C.V. (%)			1.9	8.0	3.16	1.43	12.57	-	-
LSD (5%)			2.1	4.6	0.59	1.11	33.23	-	-
LSD (10%)			1.7	3.9	0.49	0.93	27.69	-	-

* Days after planting † 0: no lodging - 9: plants lying flat on the ground ‡ Yield adjusted to harvest moisture

† Killing frost occurred on September 7, 2020. Corn did not reach physiological maturity or development of Black Layer.

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

Elevation: 1902 ft

Soil test (0-6 in.): P=20 ppm; K=134 ppm; pH=7.7; OM=1.9%

Previous crop: Winter Wheat

(0-24 in.): NO3-N=29 lb/a

Planted: 5/14/2020

Yield goal: 190 bu/a

Harvested: 11/4/2020

Planting population: 38,000 seeds/a

Soil type: Lihen Loamy Fine Sand

Fertilizer applied: 450 lb/a of Urea (46-0-0) [5/19]

Plot size: 105 ft²

Herbicides applied: Cornerstone (24oz/a) and Class Act NG (3oz/a) [6/5], [6/10], & [6/26]

Rainfall: 5.4 inches [5/14-11/4]

Fungicide applied: none applied

Irrigation: 18.8 inches [5/14 -11/4]