

Pinto Bean Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2019

Variety	Canopy Height (in)	Days to Maturity (DAP*)	Hundred Seed		Test Weight (lb/bu)	Yield		
			Weight (g)	Seeds / Pound		2019 (lb/a)	2-Yr Avg (lb/a)	3-Yr Avg (lb/a)
Monterrey	14	122	36	1256	57.2	1689	2185	3087
LaPaz	14	123	36	1244	55.9	1426	1974	2717
Lariat	12	121	37	1230	57.5	1702	2055	2641
ND-Palomino	15	123	35	1312	59.7	1663	1809	2364
Stampede	13	123	35	1316	58.4	1539	1776	2362
Windbreaker	13	122	36	1251	58.6	1942	1912	2299
ND121315-Pinto	11	123	36	1254	59.0	1896	-	-
Torreón	13	123	37	1229	58.6	1893	-	-
Vibrant	15	125	36	1261	57.3	1873	-	-
ND-Falcon	15	125	37	1245	57.1	1569	-	-
MEAN	13.5	122.8	36.1	1259.7	57.94	1719.3	1951.9	2578.5
C.V. (%)	15.2	1.8	5.7	6.1	2.96	13.7	-	-
LSD (5%)	3.5	3.3	ns	ns	2.49	341.2	-	-
LSD (10%)	2.9	2.7	ns	ns	2.07	283.2	-	-

* Days after planting 0: no lodging - 9: plants lying flat on the ground

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

Elevation: 1902 ft

Soil test (0-6 in.): P=13 ppm; K=313 ppm; pH=7.6 ; OM=3.1%

Previous crop: Corn

(0-24 in.): NO3-N=15 lb/a

Planted: 5/21/2019

Yield goal: 2,500 lb/a

Harvested: 10/7/2019

Planting population: 125,000 seeds/a

Soil type: Lihen Loamy Fine Sand

Applied fertilizer: 265 lb/a of Urea (46-0-0) [6/4]

Plot size: 53 ft^2

Herbicides applied: Prowl H2O 1.5 pt/a (5/23), Section 3EC 5.33 oz/a, Destiny HC 1.5 pt/a, 28-0-0 2 qt/a (6/24),

Rainfall: 19.5 in. (5/21 - 10/7)

Basagran 1 pt/a, Destiny HC 2 pt/a, Varisto 21 oz/a (6/26), Gramoxone 2.0 SL 2 pt/a, and Destiny HC 1 qt/ 100 gal (9/24)

Fungicides applied: Priaxor D 8 oz/a (7/12)