

Dry Bean Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2020

Variety	Days to Maturity (DAP*)	Canopy Height (in)	Lodging (0 - 9*)	Hundred Seed Weight (g)	Seeds / Pound	Test Weight (lb/bu)	Yield		
							2020 (lb/a)	2-Yr Avg (lb/a)	3-Yr Avg (lb/a)
PINTO BEAN									
La Paz	96	14	1	31	1455	63.2	4259	2842	2736
ND Palomino	97	11	2	35	1286	59.9	3405	2680	2680
Lariat	96	13	2	33	1365	61.5	3579	2641	2563
Monterrey	97	14	1	32	1413	63.1	3069	2379	2480
Stampede	95	11	1	32	1427	60.2	3262	2400	2271
Windbreaker	95	12	1	37	1221	60.1	2120	2031	1981
Torreon	96	14	1	34	1332	62.1	3799	2846	-
Vibrant	99	11	1	31	1441	63.3	2708	2290	-
ND Falcon	100	13	0	33	1391	58.3	2284	1927	-
NAVY BEAN									
T9905	98	12	1	18	2579	65.5	2533	1918	1723
Blizzard	97	12	0	17	2639	64.3	2327	1774	-
BLACK BEAN									
Eclipse	95	12	0	19	2425	64.3	2053	1798	1797
Black Tails	96	13	0	19	2395	65.7	2706	2247	-
SMALL RED									
Merlot	97	10	2	30	1504	62.2	2287	2134	1911
Viper	95	14	1	24	1880	62.5	3768	2754	-
GREAT NORTHERN									
ND Pegasus	98	16	1	30	1496	61.9	3834	2817	-
MEAN	96.7	12.5	0.9	28.5	1702.9	62.38	2999.5	2342.4	2238.1
C.V. (%)	1.3	14.3	94.2	3.5	4.0	1.78	14.4	-	-
LSD (5%)	2.1	3.0	1.4	1.6	113.4	1.85	720.3	-	-
LSD (10%)	1.8	2.5	1.2	1.4	94.2	1.54	598.4	-	-

* 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=20 ppm; K=134 ppm; pH=7.7; OM=1.9% Previous crop: Winter Wheat
 (0-24 in.): NO3-N=29 lb/a Planted: 5/29/2020
 Yield goal: 2,500 lb/a Harvested: 9/22/2020
 Planting population: 125,000 seeds/a Soil type: Lihen Loamy Fine Sand
 Fertilizer applied: 223 lb/a of Urea (46-0-0) [5/29] Plot size: 51 ft²
 Herbicides applied: Cornerstone (32oz/a), Class Act NG (1qt/100gal) [5/29], Section 3(5.33oz/a), Rainfall: 4.9 inches [5/29 - 9/22]
 Superb (1qt/100gal) [6/26], and Varisto (21oz/a), Raptor (4oz/a), Basagran (1pt/a), Irrigation: 17.8 inches [5/29 -9/22]
 and Superb HC (1.5pt/a) [6/26]
 Fungicide applied: Priaxor (8 oz/a) [7/21]