

**Pinto Bean Irrigated Variety Trial**

**WREC, Nesson Valley, ND 2016**

Variety	Origin	Days to mature (DAP <sup>+</sup> )	Canopy height (in)	Lodging (0-9 <sup>*</sup> )	Test weight (lb/bu)	250 Kernel weight (g)	Seeds / pound (lb)	Yield <sup>†</sup>		Harvest/shatter loss <sup>‡</sup> (lb/a)
								2016 (lb/a)	2-Yr Avg (lb/a)	
Lariat	NDSU	98	17.3	3	60.6	88.4	513	3945	3924	319
La Paz	Provita	98	17.9	3	62.8	79.4	571	4366	3911	479
Palomino	NDSU	99	16.4	2	59.0	88.2	514	4686	3808	957
Maverick	NDSU	95	14.0	4	59.7	85.8	529	3999	3690	497
Stampede	NDSU	95	17.4	1	60.6	77.4	586	3097	3259	869
Windbreaker	Seminis	95	14.8	2	59.6	89.2	509	3698	3181	1151
ND-307	NDSU	99	15.6	2	58.3	94.5	480	3669	3109	474
Monterrey	Provita	97	18.2	2	62.7	76.7	592	4646	-	278
Mean		96.8	16.5	2.3	60.4	85.0	536.9	4013.4	3554.6	627.8
C.V.%		1.2	10.3	39.3	0.5	2.2	2.2	12.8	-	-
LSD 5%		1.8	2.5	1.3	0.5	2.8	17.7	755.9	-	-
LSD 10%		1.5	2.1	1.1	0.4	2.3	14.6	625.4	-	-

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W; Elevation 1902 ft  
Plot size: 52.5 ft<sup>2</sup>

Previous crop: barley  
Planted: 5/16/2016  
Harvested: 9/9/2016

Applied Fertilizer in broadcast: none

Soil test to 6": 16-ppm P, 200- ppm K, OM-2.0 pH-8.5

Soil type: Lihen Loamy Fine Sand

Soil test to 2' : 38 lbs N/a

Yield goal: 2500 lbs/a

Planting population: 125,000 seeds/a

Herbicides applied: Section 2EC 6oz/a + Trophy Gold 2pt/a (6/7/2016),

Fungicides applied: Assure II 7 oz/a + Basagran 1 pt/a + Trophy Gold 2pt/a (7/10/2016), and Gramoxone 2 pt/a (9/2/2016)

Rainfall: 7.9 in. (5/16/2016 - 9/9/2016)

Irrigation: 9.55 in. (5/9/2016 - 8/16/2016)

<sup>+</sup> Days after planting

<sup>\*</sup> 0: no lodging - 9: plants lying flat on ground

<sup>†</sup> Dry beans direct harvested

<sup>‡</sup> Harvest loss figured on number of beans left in square foot following harvest and this loss is not represented in 2016 yield