

**NDSU Carrington Research Extension Center  
2016 Variety Trial Data**

**Dry Edible Bean - Irrigated** **Carrington**

Variety	Market Class	Days to PM	Growth Habit <sup>1</sup> 1 to 9	Direct Harvest <sup>2</sup> %	White Mold <sup>3</sup> %	Seed Protein %	Seeds/ Pound	Seed Weight gram/100	---- Seed Yield ----	
									2016	3-yr. Avg. <sup>4</sup> lb/ac
LaPaz	Pinto	105.0	4.8	75.0	16	19.6	1162	39.1	3277	3236
Lariat	Pinto	104.3	2.3	68.8	19	20.0	1038	44.0	2713	3097
Stampede	Pinto	103.3	2.3	67.5	19	20.6	1067	42.8	2357	2890
Maverick	Pinto	101.3	1.0	55.0	25	20.1	1101	41.4	2450	2818
ND-307	Pinto	103.3	3.0	68.8	18	21.4	1041	43.7	2456	2632
Windbreaker	Pinto	100.3	1.5	56.3	33	20.8	1183	38.5	2447	3054
Palomino	Pinto	103.8	3.5	72.5	9	22.0	1188	38.2	2137	--
Monterrey	Pinto	105.0	5.3	81.3	14	19.8	1165	39.0	2835	--
HMS Medalist	Navy	109.0	2.8	72.5	4	19.5	2329	19.5	2881	2865
Ensign	Navy	104.3	2.5	61.3	25	22.4	2072	22.0	2548	2701
Vista	Navy	108.5	2.8	70.0	9	21.6	2350	19.3	2412	2639
T9905	Navy	107.3	4.0	70.0	9	22.4	1951	23.3	2944	3000
Eclipse	Black	103.8	5.0	78.8	10	19.5	2235	20.4	2380	2554
Merlot	Small Red	103.0	3.0	71.3	11	20.2	1084	42.0	2744	2650
Loreto	Black	108.3	4.3	76.3	4	20.2	2170	21.0	2541	2535
Zorro	Black	101.5	5.8	83.8	39	20.6	2588	17.6	1670	2361
Rosie	L. Red Kidney	111.5	3.8	72.5	7	18.9	902	50.4	2274	--
Talon	D. Red Kidney	105.8	3.5	48.8	20	18.7	979	46.4	2348	--
Montcalm	D. Red Kidney	106.0	5.5	67.5	16	19.6	952	48.0	2121	--
Pink Panther	L. Red Kidney	101.3	5.0	72.5	50	19.4	891	51.0	2103	--
Rosetta	Pink	99.8	6.0	83.8	9	19.8	1264	36.0	2663	--
MEAN		104.5	3.7	70.6	17.1	20.3	1477	35.1	2482	--
C.V. (%)		1.3	22.8	7.4	46.2	2.5	4.4	4.3	10.1	--
LSD 0.10		1.6	1.0	6.1	9.3	0.6	76	1.8	296	--
LSD 0.05		2.0	1.2	7.4	11.1	0.7	91	2.1	355	--

\*\* Hail Damage: The trial experienced a significant degree of hail damage on July 9. The damage caused by the hail was primarily defoliation. The defoliation was assessed to be generally uniform across the trial. Consider the hail damage when utilizing the trial information.

**Planting Date = May 20; Harvest Date = September 19; Previous Crop = Sugarbeet**

<sup>1</sup> Growth Habit: Scored on scale of 1 to 9. 1 = longer vine, low stature plant, pods lower to ground. 9 = very upright plant stature, pods held well off ground.

<sup>2</sup> Direct Harvest: A relative score to estimate the percentage of beans that would be successfully harvested in a direct/straight harvest system.

<sup>3</sup> White Mold: An assessment of the incidence of plants that expressed some level of white mold (sclerotinia).

<sup>4</sup> Three-year average is for 2013, 2015, and 2016 as no data is available for 2014.