

Misc. Bean Irrigated Variety Trial

WREC, Nesson Valley, ND 2016

Variety	Origin	Market class	Days to mature (DAP ⁺)	Canopy height (in)	Lodging (0-9 [*])	Test weight (lb/bu)	250 Kernel weight (g)	Seeds / pound (lb)	Yield [†]		Harvest/shatter loss [‡] (lb/a)
									2016 (lb/a)	2-Yr Avg (lb/a)	
Eclipse	NDSU	BL	94	17.4	0	63.9	42.3	1073	4667	3735	415
Loreto	Provita	BL	98	16.8	4	64.1	44.6	1017	3960	3566	489
Zorro	MSU	BL	94	16.2	1	64.7	42.1	1077	4080	3431	181
Rosie	-	SR	103	17.1	1	61.1	112.2	404	3394	3379	701
Merlot	MSU	BL	97	16.4	2	61.5	78.4	579	3080	3066	640
Talon	NDSU	DRK	98	14.7	2	58.9	105.7	431	2340	2324	1083
Pink Panther	Seminis	DRK	99	16.2	1	57.6	123.5	368	2155	2234	1980
Montcalm	MSU	DRK	98	13.6	0	58.1	102.9	441	1960	2151	1257
Rosetta	MSU/ARS	PK	94	17.0	0	62.7	69.7	652	3234	-	964
Mean			96.9	16.2	1.3	61.4	80.2	671.4	3207.8	2985.6	856.7
C.V.%			2.4	9.1	53.0	1.0	5.3	3.5	14.0	-	-
LSD 5%			3.3	2.2	1.0	0.9	6.2	34.5	657.5	-	-
LSD 10%			2.8	1.8	0.8	0.8	5.2	28.6	545.0	-	-

BL = Black, DRK = Dark Red Kidney, LRK = Light Red Kidney, PK = Pink, SR = Small Red

Location: Latitude 48 9.9222'N; Longitude 103 6.132'W; Elevation 1902 ft

Planted: 5/16/2016

Plot size: 52.5 ft²

Applied Fertilizer in broadcast: none

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

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),

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

Fungicides applied: Priaxor D 8 oz/a (7/8/2016), Priaxor D 8 oz/a + Endura 11 oz/a (7/21/2016)

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

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

⁺ Days after planting

^{*} 0: no lodging - 9: plants lying flat on ground

[†] Dry beans direct harvested

[‡] Harvest loss figured on number of beans left in square foot following harvest and not represented in 2016 yield

Previous crop: barley

Harvested: 9/9/2016

Soil type: Lihen Loamy Fine Sand