

NORTH DAKOTA STATE UNIVERISTY
Williston Research Extension Center

Faba Bean Irrigated Variety Trial

WREC, Nesson Valley, ND 2017

Variety	Days to Flower (DAP [†])	Flower Duration (Days)	Days to Mature (DAP [†])	Plant Height (in)	Pod Height [*] (in)	Lodging (0-9 [†])	Protein [‡] (%)	Test Weight (lb/bu)	1000 Seed Wt. (g)	Seeds/ Pound	Yield	
											2017 (lb/a)	2 Yr Avg (lb/a)
Laura	53	22	102	31	11	1	22.9	63.8	480.7	95	5078.3	5473.1
Boxer	52	25	104	32	10	1	22.4	63.6	506.1	90	4975.0	5327.0
Fabelle	51	25	107	30	9	0	21.8	64.2	482.5	94	3889.9	4711.9
Fanfare	54	23	104	32	10	1	22.0	64.4	507.7	90	4566.0	4680.0
Tobassco	53	22	101	29	9	1	21.8	64.1	386.8	118	4294.9	4478.0
Vertigo	51	26	105	30	10	1	22.3	64.4	522.6	87	5507.2	-
Mean	52.0	23.8	103.7	30.9	9.8	0.6	22.20	64.09	481.08	95.6	4718.54	4934.01
C.V. (%)	-	-	-	-	-	-	2.26	1.32	4.15	4.6	11.12	-
LSD (5%)	-	-	-	-	-	-	0.76	1.27	30.12	6.7	770.33	-
LSD (10%)	-	-	-	-	-	-	0.62	1.05	24.78	5.5	633.58	-

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

Planted: 5-2-2017

Plot size: 48.75 ft²

Soil test to (0-6"): P=16 ppm; K=195 ppm; pH=7.6; OM=2.2%

(0-24"): NO₃-N=52 lb/a

Applied fertilizer in lb/a broadcast: none / seed inoculated

Yield goal = 2500 lbs/a

Planting population = 195,000 seeds/a

Herbicides applied: Spartan Charge 7.5oz/a (5/4/2017), Section 2EC 8oz/a + Trophy Gold 2qt/100gal H₂O (6/26/2017)

Gramoxone 3.0SL 1.5pt/a + Class Act 1qt/100gal H₂O (8/15/2017)

Fungicides applied: Priaxor 8oz/a (6/28/2017)

Rainfall: 5.75 in. (5/2/2017 - 8/22/2017)

Irrigation: 12.8 in. (5/2/2017 - 8/22/2017)

[†]Days After Planting

^{*}Height of first pod off the ground

[†]0: no lodging - 9: plants lying flat on ground

[‡]Protein adjusted to 16% moisture

Previous crop: Durum

Harvested: 8-22-2017

Soil type: Lihen Loamy Fine Sand