

Faba Bean Irrigated Variety Trial

WREC, Nesson Valley, ND 2016

Variety	Days to flower (DAP ⁺)	Flower duration (Days)	Days to mature (DAP ⁺)	Plant height (in)	Pod height (in)	Lodging (0-9 [*])	Test weight (lb/bu)	1000 Kernel weight (g)	Seeds / pound (lb)	Yield (lb/a)
Laura	54	10	106	32.2	13.3	1	64.2	562.1	81	5868
Boxer	54	10	105	33.0	11.5	1	64.3	529.0	86	5679
Fabelle	54	8	100	28.1	12.1	1	64.3	526.0	87	5534
Fanfare	53	10	104	33.5	12.3	1	64.8	539.6	84	4794
Tobasco	54	9	103	27.7	12.5	2	64.7	430.8	106	4661
Mean	54	8	100	28	12	1	64	526	87	5534
C.V.%	1.7	11.1	2.3	13.5	10.0	52.7	0.5	4.8	5.3	15.8
LSD 5%	1.4	1.6	3.7	6.4	1.9	0.9	0.5	38.6	7.3	1288.7
LSD 10%	1.1	1.3	3.1	5.3	1.5	0.8	0.4	31.6	5.9	1054.1

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

Previous crop: barley

Planted: 5/6/2016

Harvested: 8/29/2016

Plot size: 52.5 ft²

Soil type: Lihen Loamy Fine Sand

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) and Gramoxone 1.5 pt/a (9/2/2016)

Fungicides applied: Priaxor D 6 oz/a (6/28/2016), 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 - 9/9)

Irrigation: 9.55 in. (5/6/2016 - 8/16/2016)

+ Days after planting

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