

Faba Bean Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2019

Variety	Days to Maturity	Protein†		Test Weight (lb/bu)	Yield		
		2019 (%)	2-Yr Avg‡ (%)		2019 (lb/a)	2-Yr Avg (lb/a)	3-Yr Avg (lb/a)
Laura	93	26.7	24.8	62.9	2105	1476	2677
Fabelle	94	26.4	24.1	63.1	2566	1740	2457
Boxer	93	26.6	24.5	62.7	2043	3509	-
FanFare	96	26.5	24.3	62.5	2049	3308	-
LG Cartouche	94	26.7	26.7	62.0	2282	-	-
MEAN	93.9	26.58	24.87	62.65	2209.1	2508.2	2566.7
C.V. (%)	1.8	2.52	-	1.07	11.5	-	-
LSD (5%)	ns	ns	-	1.03	391.7	-	-
LSD (10%)	2.2	ns	-	0.84	320.4	-	-

\* Days after planting 0: no lodging - 9: plants lying flat on the ground † Protein content adjusted to 16% moisture

‡ 2-Yr average from 2017 and 2019

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

Elevation: 1902 ft

Soil test (0-6 in.): P=13 ppm; K=313 ppm; pH=7.6 ; OM=3.1%

Previous crop: Corn

(0-24 in.): NO3-N=15 lb/a

Planted: 5/6/2019

Yield goal: 2,500 lb/a

Harvested: 9/4/2019

Planting population: 195,000 seeds/a

Soil type: Lihen Loamy Fine Sand

Applied fertilizer: none / seed inoculated

Plot size: 53 ft<sup>2</sup>

Herbicides applied: Prowl H2O 2 pt/a and Sharpen 0.5 oz/a (5/10), Section 3EC 5.33 oz/a, Destiny HC 1.5 pt/a,

Rainfall: 10.3 inches (5/6 - 9/4)

and 28-0-0 2 qt/a (6/24), Basagran 1 pt/a, and Destiny HC 1 pt/a (6/26), and Gramoxone 2.0SL 2 pt/a, and Destiny HC 1 qt/100 gal (8/28)

Fungicides applied: Priaxor D 8 oz/a (7/12)

Insecticides applied: Mustang Maxx 4 oz/a (7/2)