

**NDSU Langdon Research Extension Center  
2016 Faba Bean Seeding Rate Trial**

<b>Faba Bean - 2016</b>	<b>Langdon</b>
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Variety/ Seeding Rate seeds/ft <sup>2</sup>	Plant Stand			Days	Days	Days	Plant Ht	Pod Ht	Lodging <sup>3</sup>	1000 KWT	Protein (%)	Test Weight (lbs/bu)	Yield (lbs/a)
	Emergence (DAP <sup>1</sup> )	Seedling (ft <sup>2</sup> )	Harvest (ft <sup>2</sup> )	to 1st Flower (DAP <sup>1</sup> )	to End Flower (DAP <sup>1</sup> )	to Mature (DAP <sup>1</sup> )							
Tabasco-3	18	2.9	3.6	49	71	117	51	13	5.3	476	22.0	63.4	4320
Tabasco-4	18	4.8	5.0	49	71	117	52	15	5.0	465	22.4	62.9	5128
Tabasco-5	17	6.2	5.8	50	71	117	54	16	5.3	479	22.1	62.8	5004
Tabasco-6	16	6.3	6.2	49	70	117	55	16	6.5	474	22.0	62.7	5290
Boxer-3	17	2.6	3.1	48	70	117	57	17	3.5	594	24.1	63.4	5733
Boxer-4	17	4.7	4.7	47	70	117	55	15	3.8	590	23.9	63.2	5832
Boxer-5	18	5.4	5.7	47	69	118	56	16	3.5	577	24.4	63.4	5759
Boxer-6	17	5.8	6.2	47	69	117	53	15	4.5	583	23.9	63.6	6188
Mean	17	4.8	5.0	48	70	117	54	15	4.7	530	23.1	63.2	5407
C.V. %	3.7	19.1	24.9	1.8	1.0	0.7	6.6	6.6	19.0	3.0	2.1	1.0	8.1
LSD 5%	0.9	1.4	1.8	1.3	1.0	NS	NS	1.5	1.3	23.3	0.7	NS	642
LSD 10%	0.8	1.1	1.5	1.0	0.9	NS	NS	1.2	1.1	19.2	0.6	NS	531

<sup>1</sup>DAP-Days after planting

<sup>3</sup>Lodging; 0=none, 9=lying flat on ground

NS-no statistical difference between treatments.

Planting Date: May 3

Harvest Date: September 20

Row Spacing: 6 inches

Previous Crop: Spring Wheat

Tillage: Conventional

Soil Type: Svea Barnes loam

Faba Beans are a long-maturing, cool season, annual legume that grow best under moist conditions. The current recommended seeding rate for Faba Beans is 4 seeds per square foot. Faba Beans are very large seeds often requiring a seeding rate of 3-4 bushels per acre, depending on the seed size. The research objective of this trial was to help determine the optimum seeding rate for our region. There were no significant differences in yield between the seeding rate of 3 to 6 seeds/ft<sup>2</sup> for the variety Boxer where the variety Tabasco had a significantly lower yield at the lowest seeding rate. Most of the other significant differences between agronomic traits occurred between varieties.

