NDSU Langdon Research Extension Center
2016 Faba Bean Seeding Date Trial

Faba Bean - 2016 **Langdon**

Variety/ Seeding Date	Emergence	Plant Stand Seedling	Plant Stand Harvest	Days to 1st Flower	Days to End Flower	Days to Mature	Plant Ht	Pod Ht 1st Pod	Lodging[3]	1000 KWT	Protein	Test Weight	Yield
Tabasco	(DAP[1])	(ft^2)	(ft^2)	(DAP[1])	(DAP[1])	(DAP[1])	(in)	(in)	(0-9)	(g)	(%)	(lbs/bu)	(lbs/a)
May 3	18	3.9	4.5	50	72	116	51	14	4.2	455	21.3	62.5	4074
May 13	13	4.9	4.5	46	67	113	54	14	5.2	487	22.1	63.1	4496
May 23	11	3.8	4.5	44	66	110	48	16	6.2	416	21.9	62.8	4321
June 6	9	4.2	5.0	40	73	115	56	20	4.0	415	20.6	60.0	2660
Boxer													
May 3	19	4.2	3.9	49	71	116	55	15	2.5	558	24.0	63.6	5250
May 13	13	4.6	4.6	44	65	113	57	16	4.0	595	23.6	63.0	5849
May 23	11	3.3	4.5	43	67	109	55	17	4.5	550	24.4	63.1	4698
June 6	10	3.0	4.6	38	69	115	59	22	2.8	563	23.4	59.4	2989
Mean	13	4.0	4.5	44	69	113	54	20	4.2	505	22.7	62.2	4292
C.V. %	2.5	8.9	23.9	3.6	3.4	1.0	3.9	6.3	13.0	0.9	2.0	3.9	5.8
LSD 5%	--	0.5	NS	--	--	--	--	--	--	--	--	--	315
LSD 10%	--	0.6	NS	--	--	--	--	--	--	--	--	--	384
Variety means averaged over seeding dates													
Tabasco	13	4.2	4.6	45	69	113	52	16	4.9	443	21.5	62.1	3888
Boxer	13	3.8	4.4	43	68	113	57	18	3.4	566	23.8	62.3	4697
LSD 5%	0.3	0.3	NS	1.2	NS	NS	1.7	1.0	0.4	15.1	0.4	NS	192
Seeding date means averaged over varieties													
May 3	18	4.1	4.2	49	71	116	53	15	3.4	507	22.7	63.0	4662
May 13	13	4.7	4.6	45	66	113	55	15	4.6	541	22.8	63.0	5172
May 23	11	3.6	4.5	43	66	109	51	17	5.4	483	23.1	63.0	4510
June 6	9	3.6	4.8	39	71	115	57	21	3.4	489	22.0	59.7	2825
LSD 5%	0.7	NS	NS	0.7	2.3	1.9	3.8	2.1	NS	42.5	0.7	0.8	543

[1]DAP-Days after planting, [3]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

Experimental Design: Split-Plot, A (--) in the LSD box indicates there was no significant interaction between seeding rate and date.

Faba Beans are a long-maturing, cool season, annual legume that grows best under moist conditions and needs to be planted early to obtain higher yields. The objective of this trial was to determine the optimum seeding date for our region. Differences occurred between the two varieties for many agronomic traits. Boxer had a higher yield than Tabasco. Both varieties responded similarily to seeding date for most agronomic traits and this resulted in few variety x date interactions. The June 6 seeding date had the lowest yield for both varieties. The May 3 seeding date was optimum for both varieties but differences were not always significant compared to the May 3 and 23 seeding date.