

## 2013 Soybean Planting Date x Row Spacing x Seeding Rate Trial at Minot

This trial was designed to investigate agronomic, seed yield and seed quality issues as they relate to various soybean production practices. The trial was conducted at the North Central Research Extension Center in Minot. The table below is a compilation of all data relating to these practices. Subsequent tables show data for specific production practices and interactions between production practices.

Planting Date	Row Spacing inches	Seeding Rate 1000's	Days to Mature DAP <sup>a</sup>	Lodging 0-9 <sup>b</sup>	Seed Protein %	Oil Content %	Test Weight lbs/bu	Seed Yield bu/A
May 29	7	100	111	1.5	36.6	14.6	57.0	47.7
May 29	7	150	111	2.0	36.4	14.8	57.1	56.0
May 29	7	200	111	1.5	36.9	14.6	57.1	58.6
May 29	7	250	111	2.2	36.5	14.8	57.0	67.2
May 29	21	100	111	1.5	36.4	14.6	56.6	56.2
May 29	21	150	111	1.2	36.6	14.6	57.1	58.9
May 29	21	200	111	1.5	36.6	14.7	57.1	62.6
May 29	21	250	111	1.0	36.8	14.6	57.2	65.3
May 29	30	100	111	1.0	36.4	14.4	56.8	40.6
May 29	30	150	111	1.0	36.3	14.9	56.9	48.2
May 29	30	200	111	1.5	36.2	14.5	56.9	58.3
May 29	30	250	111	1.0	36.4	14.5	57.0	48.6
June 11	7	100	98	2.5	35.6	14.7	57.0	57.0
June 11	7	150	98	2.2	35.7	15.1	57.0	54.3
June 11	7	200	98	3.0	35.4	15.1	57.0	66.9
June 11	7	250	98	2.5	35.8	14.9	57.0	74.2
June 11	21	100	98	1.2	35.9	15.0	57.1	53.3
June 11	21	150	98	1.2	35.7	15.1	57.1	57.1
June 11	21	200	98	1.5	36.0	14.9	57.0	68.0
June 11	21	250	98	1.8	36.0	15.0	57.1	64.3
June 11	30	100	98	1.0	35.8	15.2	57.3	46.2
June 11	30	150	98	1.0	36.1	14.9	57.1	58.7
June 11	30	200	98	1.2	36.3	15.1	57.2	60.3
June 11	30	250	98	1.5	36.7	14.9	57.2	62.1
June 25	7	100	97	2.2	35.9	14.2	56.2	49.6
June 25	7	150	97	2.0	35.8	14.3	56.1	48.6
June 25	7	200	97	1.8	36.4	14.0	55.9	60.5
June 25	7	250	97	2.5	36.5	14.2	55.9	50.8
June 25	21	100	97	2.0	35.9	13.9	55.1	45.3
June 25	21	150	97	1.2	36.1	14.0	55.3	48.2
June 25	21	200	97	1.5	36.6	13.8	54.9	52.2
June 25	21	250	97	1.5	36.2	14.0	56.1	63.3
June 25	30	100	97	1.2	36.3	14.1	55.7	41.4
June 25	30	150	97	1.2	37.0	13.8	55.5	47.7
June 25	30	200	97	1.2	36.7	14.0	55.7	42.1
June 25	30	250	97	1.5	37.2	13.7	55.6	51.7
Trial Mean				1.6	36.3	14.5	56.6	55.3
C.V.%				44.0	1.9	2.5	0.8	4.6
LSD 10%				0.8	0.8	0.4	0.5	3.0

<sup>a</sup> DAP = days after planting.

<sup>b</sup> Lodging: 0 = none, 9 = lying flat on the ground.

Variety: Asgrow AG0231 (maturity = 0.2)  
Previous Crop: durum

Harvest Date: October 26  
Soil Type: Williams Loam