

Planting Date Impact on Soybean Performance, Dazey

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A field trial was conducted by the NDSU Carrington Research Extension Center at the Barnes county off-station trial site near Dazey to examine the performance of soybean planted mid- and late-May with varieties of contrasting maturity groups. Experimental design was a randomized complete block with split-plot arrangement (whole plot=planting date and split plot=varieties with maturity group 0.2 and 0.8) and with four replications. Inoculated and fungicide-treated Mycogen ‘5B024R2’ and ‘5B080R2’ were planted in wheat stubble in 7-inch rows on May 13 and May 22. Seed was harvested with a plot combine on October 15.

Averaged across varieties, the period from planting to physiological maturity was 117 days with the early planting date compared to 109 days with the later planting date (Table). Plant stand tended to be lower while seed yield tended to be higher with the early versus later planting date. Averaged across planting dates, yield tended to be higher with the early maturing variety. Except for plant height, there were no differences among agronomic factors with the interaction of planting date and varieties.

Treatment	Plant				Seed				
	Stand	Physiological	Height	Pod	Yield	Test	Number	Oil	Protein
		Maturity		Height		Weight			
plt/A	Jday	----inches----	bu/A	lb/bu	-----%-----				
Planting Date:									
May 16	87,510	253	27	3	49.7	56.9	2520	15.8	33.6
May 28	92,135	257	26	3	48.8	57.0	2585	15.9	33.5
LSD (0.05)	NS	1	NS	NS	NS	NS	NS	NS	NS
Maturity Group (variety):									
0.2 (5B024R2)	92,135	251	28	3	50.7	57.2	2510	15.8	33.7
0.8 (5B080R2)	87,510	258	26	3	47.8	56.7	2575	15.9	33.5
LSD (0.05)	NS	1	2	NS	NS	0.4	NS	NS	NS
Planting Date x Maturity Group:									
May 16 x 0.2	96,045	249	29	2	49.7	57.1	2490	15.6	34.0
May 28 x 0.2	88,220	254	26	3	51.8	57.3	2530	16.0	33.4
May 16 x 0.8	78,970	257	26	3	49.8	56.8	2550	16.0	33.3
May 28 x 0.8	96,045	260	26	3	45.8	56.6	2615	15.8	33.7
LSD (0.05)	NS	NS	2	NS	NS	NS	NS	NS	NS
Mean	89,820	255	27	3	49.3	56.9	2545	15.8	33.6
C.V. %	12.6	12.6	4.3	10.9	18.4	0.7	18.2	3.1	2.4