

Planting date impact on soybean performance, Wishek, 2013.

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A field trial was conducted by the NDSU Carrington Research Extension Center at the Tri-county off-station trial site near Wishek to examine the performance of soybean planted late May and early June with varieties of differing maturity groups. Experimental design was a randomized complete block with split-plot arrangement (whole plot=planting date and split plot=varieties with maturity group 0.1 and 0.7) and with four replications. Inoculated Dairyland Seed 'DSR0101' and 'DSR0747' was planted in wheat stubble at 150,000 pls/A in 7-inch rows on May 24 and June 6. Seed was harvested with a plot combine on October 28.

Averaged across varieties, a denser stand was present with the planting date of May 24 versus June 6 (Table). Grain yield was greater but seed size and protein content were less with the early versus late planting date. Grain yield was low in the trial due to drought stress during July and August. Except for seed size, there were no differences among agronomic factors when comparing varieties and the interaction of planting date and varieties.

Table.						
Treatment	Plant		Seed			
	Emergence	Stand (June 25)	Yield	Number /lb	Oil	Protein
	Jday	plt/A	lb/A		%	
Planting date:						
24-May	161	179,360	8.4	4410	15.7	36.8
6-Jun	168	128,470	7.6	3740	15.6	37.8
LSD (0.05)	NS	28,060	0.8	380	NS	0.5
Variety:						
DSR0101	165	149,830	8.2	4460	15.7	37.4
DSR0747	165	158,010	7.9	3690	15.6	37.3
LSD (0.05)	NS	NS	NS	380	NS	NS
Planting date by variety:						
24-May by DSR0101	161	182,210	8.3	4590	15.8	36.8
6-Jun by DSR0101	168	117,440	8.1	4330	15.7	37.9
24-May by DSR0747	161	176,520	8.6	4220	15.6	36.8
6-Jun by DSR0747	168	139,510	7.2	3160	15.6	37.7
LSD (0.05)	NS	NS	NS	534	NS	NS
mean	165	153,920	8.0	4075	16	37.3
CV (%)	0.0	13.6	4.7	7.1	2.2	1.1