EIGHTEEN SOYBEAN VARIETIES PLANTED ON THREE DATES OVER A FOUR WEEK PERIOD

Howard Book, Cooperator (2008)
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SUMMARY:

In an evaluation of eighteen soybean varieties planted on three different dates each about two weeks apart, yields were increased slightly as the season progressed but then fell as the planting season extended and soil moisture was minimal. Yields for the earliest planting (March 17) ranged from 12.7 – 24.7 bu/a for an average of 18 bu/a. Yields for the second planting (March 28) ranged from 10.8 – 29.1 bu/a for an average of 19.2 bu/a. Yields for the last planting (April 21) ranged from 0 – 18.2 bu/a for an average of 11.5 bu/a. Over all plantings, yields ranged from 10.3 – 19.4 bu/a averaging 16.4 bu/a.

OBJECTIVE:

To determine the optimum yield, planting time and profitability for various soybean varieties and new experimental lines.

MATERIALS and METHODS:

Eighteen different soybean varieties were planted at three different dates (March 17, March 28, and April 21, 2008). Seeding rate was 10 seeds per foot and all were planted with a Monosem vacuum planter on 38 inch rows. Seeds were inoculated with Nitragin inoculant. Plots were 30 feet long with two rows per variety replicated three times.

No fertilizer or insecticide was applied to this demonstration. Boundary herbicide was applied at the rate of 1 qt/ac broadcast followed by Select at the rate of 10 oz/ac.

RESULTS and DISCUSSIONS:

Growth of the soybeans were fair at best with minimal soil moisture during the growing season. Yields were fair to good for the earlier planted soybeans but they diminished due to minimal soil moisture near the later planting date and thereafter through maturity later in the summer.

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DISCLAIMER CLAUSE:

Trade names of commercial products used in this report are included only for better understanding and clarity. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Texas A&M University System is implied. Readers should realize that results from one experiment do not represent conclusive evidence that the same response would occur where conditions vary.

Table 1. Evaluation of eighteen soybeans varieties as compared to planting dates. Howard Book, Cooperator, Victoria County, TX 2008.

VARIETY*	**Harvest Date as Influenced by Planting Date**			**Yield in BU/A as Influenced by Planting Date**			**Overall Average Yield BU/A**
Planting Dates	**3/17**	**3/28**	**4/21**	**3/17**	**3/28**	**4/21**	
NKS 49W6RR	6/30	7/22	8/13	19.2	22.7	16.4	19.4
NKS 49H7RR	6/30	7/22	8/13	16.6	21.7	18.1	18.8
PIONEER 94M80RR	6/30	7/14	8/13	18.9	19.5	17.6	18.7
DP 5335RR	6/30	7/22	8/13	18.5	19.2	16.2	18.0
VERNAL	8/4	8/4		24.7	29.1	0	17.9
HBK 4926	6/30	7/22	8/13	17.7	21.7	14.3	17.9
HOEGEMEYER 422NRS	6/25	6/30	8/4	19.1	15.7	18.2	17.7
HOEGEMEYER 510NRS	6/25	6/30	8/13	17.6	17.2	17.6	17.5
Croplan RC5007RR	7/14	8/4	8/13	15.5	22.8	12.6	17.0
Croplan RC4955RR	6/30	7/22	8/13	16.4	18.4	14.9	16.6
HOEGEMEYER 487NRS	6/25	7/14	8/13	18.7	17.3	13.5	16.5
HBK 5123RR	6/30	8/4	8/27	18.1	21.3	8.4	15.9
HBK 5025	7/22	8/4		23.6	24.2	0	15.9
HOEGEMEYER 425NRS	6/25	6/30	8/4	16.8	12.6	17.3	15.6
DP 5414RR	6/30	8/4	8/27	15.9	21.2	7.6	14.9
HOEGEMEYER 480NRS	6/25	6/30	8/4	16.8	10.8	14.1	13.9
HBK 5425RR	7/14	8/4		16.3	22.6	0	13.0
NKS 52F2RR	7/14	8/4		12.7	18.2	0	10.3
Croplan RC4757RR	-	-	-	-	-	-	-
NC+5A31RS	-	-	-	-	-	-	-
PIONEER 94M71RR	-	-	-	-	-	-	-
LSD (0.05)				2.7			0.9
Average				18	19.8	11.5	16.4

* Conventional varieties are in **BOLDFACE.**

- Varieties with a (-) were not planted but were planted in neighboring counties.