YIELDS OF THIRTY-ONE SOYBEAN VARIETIES PLANTED ON THREE DATES OVER A FOUR WEEK PERIOD

Raymond Brandl, Cooperator, Victoria County (2005)
Joe D. Janak, County Extension Agent - Ag/NR
Sam Womble, County Extension Agent - NR
Stephen Biles, Calhoun, Refugio & Victoria Extension IPM Agent
James Grichar, Texas Ag. Experiment Station, Research Scientist
Victoria County

SUMMARY:

In an evaluation of thirty-one soybean varieties planted on three planting dates for over a four week period from March 30 - April 27, 2005, yields ranged from 1.7 - 15.8 bu/ac fro an average of the three dates. Due to extensive stink bug damage to the maturing soybeans on the last planting date, none of the varieties had harvestable yields. Yields in the first planting date ranged from 4.5 - 25.7 bu/ac with an average of 15.6 bu/ac, The second planting date yields were reduced to 0 - 21.8 bu/ac with an average of 11.1 bu/ac

OBJECTIVE:

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

MATERIALS and METHODS:

Thirty-one different soybean varieties were planted at three different dates (March 30, April 12, and April 27, 2005). 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 prior to planting. Plots were 100 feet long with two rows per variety.

No fertilizer was applied to this demonstration. Boundary herbicide was applied at the rate of 1 qt/ac broadcast. Stink bugs were sprayed twice in the demonstration.

RESULTS and DISCUSSIONS:

Due to spring rains and wet soils, the three soybean planting dates were delayed at least two weeks from the desired planting dates. This caused delayed soybean production and maturity; maturity that occurred in the dryer summer and with increase levels of stink bug pressures. This dramatically reduced yields and in fact devastated the last planting date with no harvestable soybeans. Future plantings of soybeans over delayed planting dates will need more intensive scouting and spraying for controlling stink bugs and related pests.

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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 soybeans varieties and yield as compared to planting dates. Raymond Brandl, Cooperator, Victoria County, TX 2005.

Varieties	PLANTING DATES			Avg. Yield of Three Planting Dates
	March 30, 2005	April 12, 2005	April 27, 2005	
	Yield Bu/Ac	Yield Bu/Ac	Yield Bu/Ac	
Delta King XTS 6P51	25.7	21.8	0.0	15.8
UA 4805	25.0	21.5	0.0	15.5
Croplan RC4455	18.5	20.2	0.0	12.9
Croplan 4992	19.5	18.6	0.0	12.7
Asgrow 4903	18.6	16.3	0.0	11.6
Asgrow 4902	18.2	16.6	0.0	11.6
DeKalb 5066	16.3	17.9	0.0	11.4
Croplan RC4955	18.1	15.6	0.0	11.2
Pioneer 94M90	18.6	14.7	0.0	11.1
Delta Pine 5110 S	19.2	13.8	0.0	11.0
Delta King XTS 650	11.6	20.6	0.0	10.8
SureGrow 5151 N RR	13.4	17.5	0.0	10.3
Stine S5142	13.1	17.3	0.0	10.1
Asgrow 5301	19.5	10.5	0.0	10.0
Asgrow 4801	15.4	14.2	0.0	9.9
Delta Pine 4690 RR	12.4	16.8	0.0	9.7
Garst 4999	14.9	13.8	0.0	9.5
Garst 4612	15.6	10.7	0.0	8.8
Croplan RC4655	14.5	11.6	0.0	8.7
Northrup King 452	10.6	12.9	0.0	7.8
Stine S5502	12.8	9.5	0.0	7.4
HBK Exp. S011243 C	21.2	0.0	0.0	7.1
Garst 5012 RR	20.7	0.0	0.0	6.9
HBK Exp. S11177 C	9.6	9.5	0.0	6.4
HBK Exp. 184 R	18.9	0.0	0.0	6.3
HBK Exp. S1120 C	16.6	0.0	0.0	5.5
NC Roy	14.8	0.0	0.0	4.9
Delta Pine 5414 RR	11.3	0.0	0.0	3.8
HBK Exp. 592 R	8.7	0.0	0.0	2.9
Hornbeck 5894	4.6	0.5	0.0	1.7
Hornbeck 5123	4.5	0.6	0.0	1.7
AVERAGE	**15.6**	**11.1**	**0.0**	**0.9**