Information Bulletin 384 January 2002

MISSISSIPPI SOYBEAN

VARIETY TRIALS, 2001

Mississippi Agricultural and Forestry Experiment Station — Vance H. Watson, Director
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NOTICE TO USER

This information bulletin is a summary of research conducted under project number MIS 2348 at seven locations in the state (see map). It is intended for farmers, seedsmen, colleagues, cooperators, and sponsors. Interpretation of this data should not be construed as a recommendation or as an endorsement of a specific variety or product.

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 81-83 is gratefully acknowledged.

Trade names of commercial products used in this report are included only for clarity and understanding. All available names (i.e., trade names, code numbers, chemical names, etc.) of varieties or products used in this research project are listed on pages 81-83.

Mississippi Soybean Variety Trials, 2001

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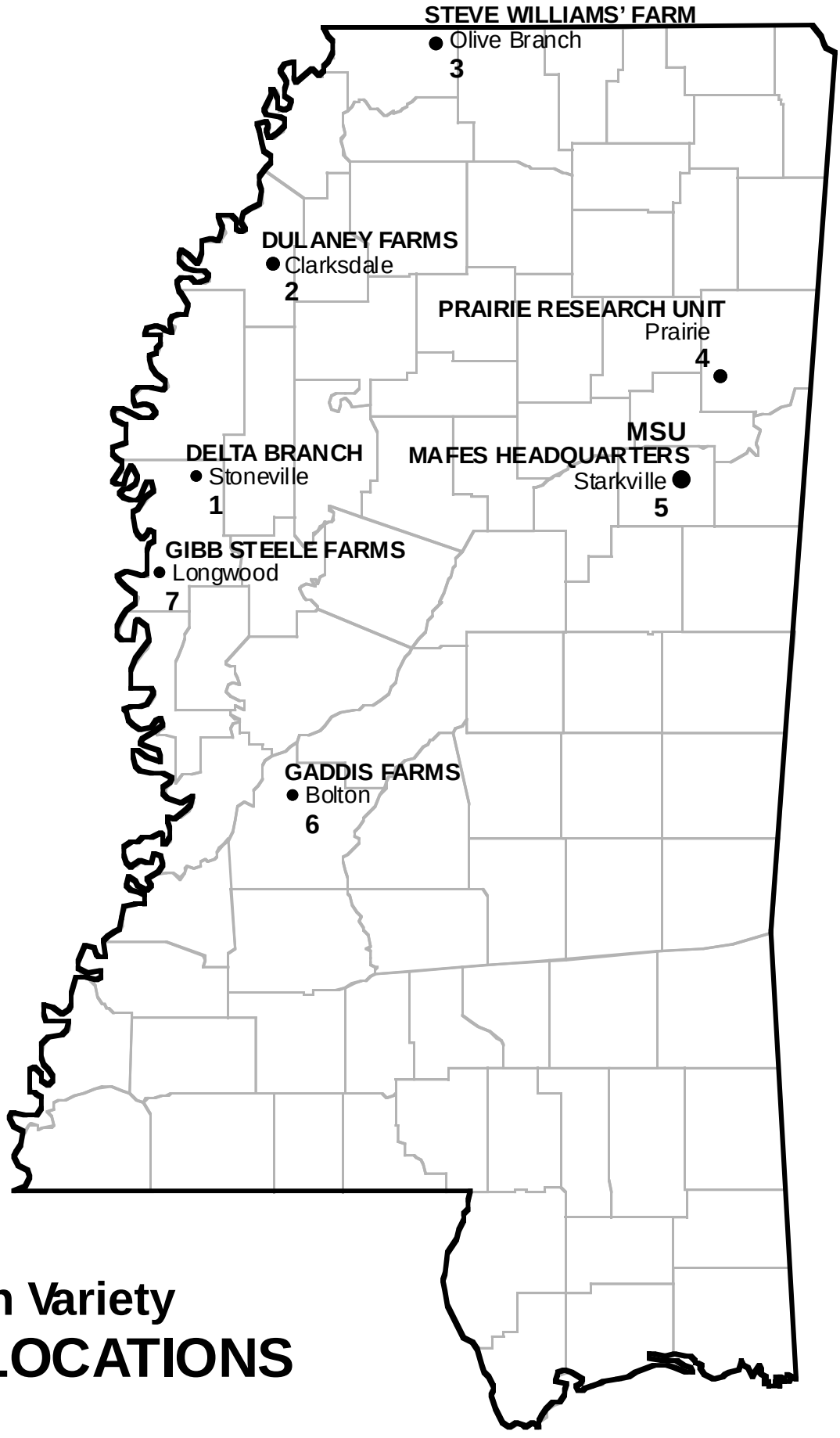
Recognition is given to Jessie L. Selvie and Jerry W. Nail, research technicians for the Variety Testing Program, for their assistance in packaging, planting, harvesting, and recording plot data; Ling Su, research technician at the Delta Research and Extension Center, for her assistance; and Robert Goss, student worker for the Experimental Statistics Unit, for statistical analyses and computing assistance. This publication was prepared by Jimmie Cooper, administrative secretary for MAFES Research Support Units. It was published by the Office of Agricultural Communications, a unit of the Division of Agriculture, Forestry, and Veterinary Medicine at Mississippi State University.



Soybean Variety
TEST LOCATIONS

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Introduction

Procedures

There has been a proliferation of soybean varieties in recent years, and many good varieties are available to Mississippi producers. No single variety is superior, but in some situations, there are varieties that are more specifically adapted than others. Selecting a variety for planting requires knowledge of disease, nematode, and herbicide reactions, as well as the yield performance of each variety on a particular soil type. In many cases, planting the proper varieties will make substantial differences in yield and profitability on a farm. Proper management, including adequate lime, fertilizer, and weed control, is required to produce high yields of any variety, but yields may be limited, even under good management, unless the proper varieties are planted.

Soybean variety trials were conducted at seven locations in 2001 (see map). Commercial seed companies are given the opportunity to enter varieties for testing. Seeds of all private entries were supplied by the participating companies. Public varieties were selected by the Technical Advisory Committee for evaluation at each location. The experimental design at each location for each maturity group was a randomized complete block, with three replications of each entry.

Seeding Rate. All seeds were packaged for planting at the rate of nine seeds per foot of row. Plots were planted with a cone planter. Relative maturity group IV, V, and VI plots had four rows, which were 30 inches wide. Relative maturity group III plots had four rows, which were 20 inches wide at Delta locations and 15 inches wide at the MSU location. All plots were planted to a length of 20 feet. Plot ends were trimmed to a uniform length 3 to 4 weeks after emergence.

Cultural Practices. Cultural and pest control practices for optimum yields were followed. Plots were limed and fertilized on the basis of an annual soil test. All seeds were treated with Vitavax/Thiram plus Apron fungicides prior to planting. Only herbicides currently registered for use on soybeans with strict adherence to all label instructions were used in these studies.

Maturity Date. Maturity is considered to be the date when the pods are dry and most of the leaves have dropped. Under most conditions, the stems are also dry.

Yield. An Almaco SPC-20 plot combine was used to harvest two rows of each plot. Bags of harvested seed were allowed to dry at ambient temperature to a uniform moisture content before weighing. Weights were converted to yield in bushels per acre (60 pounds per bushel).

Plant Height. Plants were measured from the soil to the top extremity, at maturity, and plant height was recorded as the average of the height of plants measured.

Lodging. Lodging was rated and recorded on a scale of 1-5 (1 = almost all plants erect; 2 = all plants leaning slightly or only a few plants down; 3 = all plants leaning moderately or 25 to 50 percent of plants down; 4 = all plants leaning considerably or 50 to 80 percent of plants down; and 5 = all plants down).

Disease and Nematodes. When a disease or nematode problem is correctly identified, the information in Tables 74 to 86 may be used to select varieties that have genetically inherited resistance to the problem. Stem canker ratings shown in this report were determined by Dr. Bob Keeling, retired plant pathologist, and Dr. Gabe Sciumbato, MAFES plant pathologist.

How to Select Varieties

In Problem or Difficult Fields

(1) Identify fields that have had problems in the past. Problems to consider may include diseases, nematodes, or fields that make planting or harvest difficult because of extremely dry or wet conditions. The Mississippi State University Extension Service offers a disease diagnostic service and nematode analysis free of charge.

(2) Use Tables 90 to 98 to select varieties for fields that need nematode or other pest resistance.

(3) Select varieties using multiyear-averages from all available locations. Identify those varieties that have desired pest resistance along with a high yield potential. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown. Consider planting dates and maturity dates that may allow you to avoid historical field problems.

In Nonproblem Fields

(1) Identify the farm's highest yielding fields that have no specific disease problems.

(2) Select varieties with the best yield potential using multiyear-averages from all available locations. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown.

(3) Try new varieties on a limited number of acres. Don't abandon older consistent-performing varieties that are yielding well unless research and experience show an advantage for newer varieties.

Planting Date and Maturity Date

(1) Varieties in Maturity Groups IV, V, and VI are recommended. Earlier maturing varieties should be considered for planting where fall seedbed preparation was done the previous year and in fields that are subject to drought stress during the growing season and/or wet soils during the usual harvest period. Later maturing varieties should be considered for planting in fields that are not as prone to drought stress, where irrigation will be used to alleviate drought stress, and for later planting. However, early planting of all acreage is encouraged to reduce risk from drought and obtain higher yields.

(2) Early-season production is a practice that has been quite successful and consistent for several years. Cool, wet soils at planting may justify the use of a seed treatment that has activity against Pythium, since no varieties have resistance to infection and resulting damage from this organism. Most Maturity Group IV soybeans have a narrow growth habit. Given their growth habit, narrow rows are quite advantageous. Early April to early May planting is recommended for early-season production of Group IV varieties. Irrigation allows later planting of early-maturing soybeans; however, the full yield potential may not be realized when planted late. Timely harvest is crucial with early-maturing varieties, because dry weather at maturity may promote shattering. There is a wide range in maturity within Group IV soybeans. Determine if an early Group IV or a late Group IV variety, or some acreage of both, will fit into your operation.

(3) Timely planting is crucial for optimum production of all maturity groups of soybeans. An attempt should be made to complete soybean planting as early as possible. Planting of Group V and Group VI can be made in April. Delays in planting will result in reduced yield potential for almost all varieties in all maturity groups.

Herbicide-Resistant Varieties

(1) Evaluate overall performance characteristics of the variety — including yield potential, disease and nematode resistance, maturity date, lodging, etc. — as you would any variety.

(2) Compare these characteristics to other varieties, conventional and herbicide-resistant.

(3) Consider seed premiums, technology fees, and specific weed problems. Determine total cost of conventional and herbicide-resistant-crop weed control programs, and combine this information with factors listed above in choosing a variety.

General Characteristics of Varieties

Soybean varieties differ in significant characteristics that may not affect their performance. Tables 81 to 89 give the general characteristics of most varieties grown in Mississippi.

Pubescence and Hilum Color. Brown (tawny) and gray are the basic pubescence (hair) colors found among varieties. Varying pod-wall colors result in different intensities of mature pod colors. The "eye" of the seed is called a hilum, or point of attachment to the pod, and it differs in color by variety.

Seed Size. There is no relationship between inherited seed size and seed yield. A small-seeded variety may yield as much as or more than a large-seeded variety. The average seed per pound for different varieties is shown in Tables 65 to 73, but this is subject to seasonal variation. Knowing the number of seeds per pound is important in determining the amount of seed needed for planting. Fewer pounds are required for small-seeded varieties than for large-seeded varieties. Your county Extension office has a publication

(Information Sheet 1194) that deals with seeding rates and plant populations.

Flowering. Varieties of Group IV maturity generally display an indeterminate growth habit. This means that a large portion of their vegetative growth occurs after the onset of flowering begins. In contrast, varieties of Groups V and VI display a determinate growth habit, where most of the vegetative growth occurs before flowering. The date of first flower will be determined by the time of planting and maturity. For example, a mid-Group IV variety may bloom 3 weeks earlier than a Group V variety, whereas a late Group IV variety may bloom only 1 week earlier than a Group V variety. Soybean flower petals are purple or white. The flower color is controlled strictly by genetics, and only one flower color occurs in a pure variety.

Within the Group IV maturity group trials, the wide variation in maturity dates is attributed to lack of rigid standards for classifying varieties within a group. It was decided to subdivide both the Group IV and Group V trials into two maturity groups. All maturity groups were assigned an early and late-maturity check:

Conventional Test

Maturity Group	Early Check	Late Check
Group IV Early	–	DP3478
Group IV Late	DP3478	P9511
Group V Early	P9511	Hutcheson
Group V Late	Hutcheson	P9594
Group VI	P9594	P9692

Roundup Ready Test

Maturity Group	Early Check	Late Check
Group IV Early	–	AG 4601
Group IV Late	AG 4601	P9492
Group V Early	P9492	S59-V6
Group V Late	S59-V6	–

Use of Data Tables and Summary Statistics

The yield potential of a given variety cannot be measured with complete accuracy. Consequently, replicated plots of all varieties are evaluated for yield, and the yield of a given variety is estimated as the mean of all replicated plots of that variety. Yields may vary from one plot to another, which introduces a certain degree of error to the estimation of yield potential. This natural variation is often responsible for yield differences seen among different varieties. Thus, even if the mean yield of two varieties are numerically different, they are not necessarily significantly different in terms of yield potential. In other words, the ability to measure yield is not precise enough to determine whether such small differences are observed purely by chance or because of superior performance.

The least significant difference (LSD) is an estimate of the smallest difference between two varieties that can be declared to be the result of something other than random variation in a particular trial. Consider the following example for a given trial:

Variety	Yield
Abe	40 bu/A
Bill	35 bu/A
Charlie	31 bu/A
LSD	7 bu/A

The difference between variety Abe and variety Bill is 5 bushels per acre (40 - 35 = 5). This difference is **smaller** than the LSD (7 bushels per acre). Consequently, it is concluded that variety Abe and variety Bill have the same yield potential, since the observed difference occurred purely due to chance.

The difference between variety Abe and variety Charlie is 9 bushels per acre (40 - 31 = 9), which is **larger** than the LSD (7 bushels per acre). Therefore, it is concluded that the yield potential of variety Abe is superior to that of variety Charlie, since the difference is larger than would be expected purely by chance.

The coefficient of variation (CV) is a measure of the relative precision of a given trial and is used to compare the relative precision of different trials. The CV is generally considered to be an estimate of the amount of unexplained variation in a given trial. This unexplained variation can be the result of variation between plots, with respect to soil type, fertility, insects, diseases, drought stress, etc. In general, the higher the CV, the less precise a given trial is.

The coefficient of determination (R^2) is another measure of the level of precision in a trial and is also used to compare the relative precision of different trials. The R^2 is a measure of the amount of variation that is explained, or accounted for, in a given trial. For example, an R^2 value of 90 percent indicates that 90 percent of the observed variation in the trial has been accounted for in the trial, with the remaining 10 percent being unaccounted for. The higher the R^2 value, the more precise the trial. The R^2 is generally considered to be a better measure of precision than is the CV, for comparison of different trials.

Table 1. Summary of Yields for Maturity Group IV for the 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK4680	Delta King	62.2	66.1	48.3	47.7	56.1	52.4	32.2	59.8	48.2		52.7
DK4711	Delta King	60.9	50.2	50.3	50.2	52.9	50.3	48.8	57.2	52.1		52.6
DP4748S	Deltapine	60.2	65.6	50.7	47.1	55.9	42.7	43.2	55.0	50.0		52.1
Dixie 478	Dixie	66.5	66.6	45.7	41.8	55.2	43.9	25.6	58.0	42.5		49.7
FFR 4900RR	FFR	48.8	63.5	51.6	49.0	53.2	41.8	50.0	52.0	47.9		51.0
HBK 4891	Hornbeck	66.7	56.7	65.6	48.2	59.3	51.8	43.8	57.7	51.1		55.8
94B54	Pioneer	57.2	44.2	43.5	40.1	46.3	45.4	26.4	52.2	41.3		44.1
9511	Pioneer	52.5	72.9	48.6	44.4	54.6	43.0	34.0	55.3	44.1		50.1
Progeny 4910	Progeny	62.1	60.4	45.0	47.0	53.6	50.7	39.5	59.0	49.8		52.0
TV4881	Terral	63.7	53.7	51.0	49.1	54.4	52.3	44.9	55.1	50.8		52.8
TV4975	Terral	64.5	61.6	39.4	42.0	51.9	36.8	18.6	53.4	46.3		49.5
DT97-4290 (E)	Public	57.4	55.8	36.1	40.6	47.5	49.1	45.3	59.3	51.3		49.1
Overall Mean		60.2	59.8	47.6	45.6	53.5	46.7	40.2	56.2	47.7		51.0
LSD (.10)		4.8	12.7	5.6	3.4	3.7	8.9	7.1	12.3	5.4		3.2
Error degrees of freedom		22	22	16	22	82	22	22	22	66		148
CV (%)		5.6	15.1	6.7	5.3	10.0	13.7	12.5	15.6	14.4		11.9
R^2 (%)		80	68	84	79	84	85	82	26	80		83

[1](E) = Experimental.

Table 2. Summary of Yields for Maturity Group V Early for the 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 52-C2	Armor	59.7	59.4	62.8	48.6	57.6	45.0	49.4	53.6	49.4		54.1
DK 5850	Delta King	57.4	59.0	58.7	57.6	58.2	53.0	57.2	46.1	52.1		55.6
DP5110S	Deltapine	56.0	60.3	50.2	51.5	54.5	38.9	46.1	57.6	47.5		51.5
9511	Pioneer	46.4	56.5	48.5	41.5	48.2	34.4	35.2	53.5	41.0		45.4
95B33	Pioneer	51.6	74.3	64.8	48.7	59.9	33.5	45.8	64.7	48.0		54.8
Progeny 5120N	Progeny	50.3	64.6	59.9	50.7	56.4	49.6	53.5	52.7	51.9		54.5
Progeny 5600	Progeny	58.6	58.9	61.8	53.3	58.2	38.8	55.1	56.3	50.1		54.7
SS 5200STS	Southern States	59.3	55.6	49.2	36.5	50.2	26.7	37.1	31.6	31.8		42.3
Delsoy 5500	Public	55.7	72.1	57.9	49.7	58.8	47.4	51.7	49.0	49.4		54.8
Hutcheson	Public	56.5	52.5	58.1	51.4	54.6	52.8	53.5	59.6	55.3		54.9
R96-209 (E)	Public	50.8	74.0	59.7	48.3	58.2	56.3	50.4	57.9	54.9		56.8
TN96-58 (E)	Public	59.2	55.5	62.9	51.0	57.2	50.9	52.2	55.0	52.7		55.3
Overall Mean		55.1	61.9	57.9	49.1	56.0	43.9	49.0	53.1	48.7		52.9
LSD (.10)		6.2	12.7	4.8	5.4	3.8	17.7	4.4	9.0	6.6		3.6
Error degrees of freedom		22	22	22	22	88	22	22	22	66		154
CV (%)		8.0	14.7	5.9	7.9	10.1	28.7	6.4	12.1	17.2		13.2
R^2 (%)		59	51	81	75	73	54	88	76	69		74

[1](E) = Experimental.

Table 3. Summary of Yields for Maturity Group V Late for the 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
A5959	Asgrow	55.5	75.7	58.1	47.0	59.1	57.0	53.9	63.9	58.3		58.7
DK 5995	Delta King	60.4	75.3	56.0	47.1	59.7	49.3	59.6	59.7	56.2		58.2
DP5989	Deltapine	60.9	68.6	56.8	47.7	58.5	48.6	58.6	53.3	53.5		56.4
HBK 5812	Hornbeck	56.1	70.5	52.7	39.1	54.6	47.4	56.5	55.6	53.2		54.0
HBK 5991	Hornbeck	55.5	69.0	64.8	48.7	59.5	47.8	57.3	58.1	54.4		57.3
9594	Pioneer	61.9	72.8	65.7	53.7	63.5	50.7	50.5	64.6	55.2		60.0
95B97	Pioneer	60.6	71.6	60.9	46.8	60.0	49.9	54.8	59.1	54.6		57.7
SS 597N	Southern States	57.5	67.1	53.5	44.4	55.7	51.8	49.6	58.5	53.3		54.7
TV5926	Terral	55.6	53.8	50.6	49.1	52.3	41.9	51.6	57.0	50.1		51.4
Bolivar	Public	52.7	60.3	61.2	50.1	56.1	40.7	57.8	48.6	49.0		53.1
Caviness	Public	56.3	57.9	55.0	46.8	54.0	46.0	53.7	47.9	49.2		51.9
DT96-6840 (E)	Public	55.0	69.1	54.1	49.2	56.9	51.9	53.2	41.9	49.0		53.5
Hutcheson	Public	55.0	67.1	54.5	48.6	56.3	48.3	51.6	56.2	52.0		54.5
R95-2210 (E)	Public	58.7	72.1	57.7	49.2	59.4	44.6	53.3	56.7	51.5		56.0
UARK-5798	Public	56.6	70.6	53.3	52.7	58.3	51.8	51.1	57.4	53.4		56.2
UARK-5896	Public	51.5	49.8	49.9	49.6	50.2	46.8	47.7	55.0	49.9		50.1
Overall Mean		56.9	67.0	56.6	48.1	57.1	48.4	53.8	55.8	52.7		55.2
LSD (.10)		4.5	6.4	4.9	5.1	2.6	6.9	4.2	11.1	4.5		2.4
Error degrees of freedom		30	30	30	30	120	30	30	30	90		210
CV (%)		5.7	6.9	6.3	7.6	6.7	10.3	5.6	14.3	10.8		8.6
R^2 (%)		56	80	73	57	88	67	70	45	64		81

[1](E) = Experimental.

Table 4. Summary of Yields for Maturity Group VI for the 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Bolton	MSU	Hill avg.	Stoneville Irr.	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Dillon	Public	51.4	47.7	49.6	46.9	48.7
R92-1258 (E)	Public	60.6	54.5	57.6	48.7	54.6
SANTEE	Public	52.3	45.2	48.8	37.3	44.9
Overall Mean		54.8	49.1	52.0	44.3	49.4
LSD (.10)		11.2	5.2	5.4	4.4	3.7
Error degrees of freedom		4	4	8	4	12
CV (%)		11.7	6.1	9.6	5.8	8.8
R^2 (%)		50	84	71	90	83

[1](E) = Experimental.

Table 5. Summary of Yields for Maturity Group III Roundup Ready for the 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	MSU[2]	MSU[3]	Hill avg.	Clarksdale	Stoneville Irr.	Stoneville Nonirr.	Delta avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG3701	Asgrow	57.6	50.1	53.8	54.5	55.6	57.5	55.9		55.1
AG3702	Asgrow	63.0	50.9	57.0	50.5	61.5	61.2	57.7		57.4
AG3902	Asgrow	55.2	50.1	52.7	50.6	51.3	51.6	51.2		51.8
AG3903	Asgrow	49.7	49.3	49.5	42.4	54.5	52.0	49.6		49.6
RC3866 (E)	Croplan Genetics	58.0	45.5	51.8	49.4	60.3	62.6	57.4		55.1
DK 3961RR	Delta King	48.0	44.8	46.4	49.1	50.4	58.8	52.7		50.2
DK 3964RR	Delta King	58.4	48.2	53.3	45.6	63.7	58.9	56.1		55.0
DK 3862RR	Delta King	59.1	50.7	54.9	48.3	49.4	51.5	49.7		51.8
DK 3968RR	Delta King	59.5	57.2	58.4	51.3	64.1	62.0	59.2		58.8
HX38-92955 (E)	Hartz	48.2	47.7	48.0	42.5	45.1	50.0	45.9		46.7
HBK SB3980RR	Hornbeck	50.1	56.8	53.4	48.3	51.7	56.3	52.1		52.6
Overall Mean		55.1	50.1	52.6	48.4	55.2	56.6	53.4		53.1
LSD (.10)		9.6	12.2	7.6	6.9	8.1	8.7	4.4		4.0
Error degrees of freedom		20	20	40	20	20	20	60		100
CV (%)		12.4	17.3	14.8	10.1	10.5	10.9	10.5		12.4
R^2 (%)		49	32	46	49	65	52	67		57

[1](E) = Experimental.
[2]Planted April 27, 2001.
[3]Planted May 14, 2001.

Table 6. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2001 Mississippi Soybean Variety Trials.

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Prairie	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AgriPro/Garst 4501RR/N	AgriPro/Garst	59.8	44.3	49.6	27.4	45.3	46.1	20.1	40.3	43.3	37.5		41.4
AgriPro/Garst4512RR/N	AgriPro/Garst	57.6	50.1	50.1	38.3	49.1	55.5	29.8	47.2	55.4	47.1		48.0
AgriPro/Garst 4888RR	AgriPro/Garst	63.3	58.3	55.6	40.3	54.4	51.2	27.9	45.4	50.1	43.7		49.0
Armor 44-R4	Armor	56.3	41.9	49.0	37.9	46.3	55.5	23.0	47.0	44.5	42.5		44.4
Armor 47-G7	Armor	62.7	47.1	52.7	46.2	52.2	50.6	22.8	42.2	41.3	39.2		45.7
AG4301	Asgrow	56.4	41.5	48.4	28.7	43.8	48.1	19.2	39.3	52.9	39.9		41.8
AG4403	Asgrow	64.5	54.2	57.4	41.4	54.4	62.9	35.1	45.2	50.6	48.5		51.4
AG4602	Asgrow	56.1	52.6	43.5	38.9	47.7	52.3	18.4	41.6	48.7	40.3		44.0
AG4702	Asgrow	53.0	57.6	49.8	43.6	51.1	54.3	26.0	41.2	49.0	42.6		46.8
RC 4444 (E)	Croplan Genetics	60.8	52.5	52.4	42.2	52.0	52.9	28.0	41.2	55.4	44.4		48.2
RT 4241 (E)	Croplan Genetics	56.1	37.0	42.9	31.1	41.8	43.2	15.0	32.9	39.9	32.7		37.2
TS 466RR	Croplan Genetics	51.5	54.8	47.7	33.0	46.8	50.4	31.5	46.2	43.3	42.9		44.8
DK 4461RR	Delta King	56.6	40.8	55.7	40.2	48.3	52.4	28.7	43.3	52.5	44.2		46.3
DP4344RR	Deltapine	57.6	46.5	44.6	31.3	45.0	44.6	28.9	30.0	43.5	36.4		40.7
DP4690RR	Deltapine	59.0	53.4	56.8	42.7	53.0	46.9	34.3	42.2	41.9	41.7		47.4
DPX4300RR (E)	Deltapine	59.6	51.9	50.5	34.4	49.1	48.7	25.8	36.7	44.2	38.9		44.0
DG 3443NRR	Dyna-Gro	60.5	50.5	53.9	46.4	52.8	56.1	33.5	42.1	54.4	46.5		47.7
DG 3463NRR	Dyna-Gro	49.6	49.2	51.3	41.8	48.0	52.5	28.6	38.5	47.3	41.7		44.8
DG 3468NRR	Dyna-Gro	51.1	45.4	39.4	34.5	42.6	54.9	19.0	34.1	38.1	36.5		39.5
H4554RR	Hartz	55.4	41.7	52.2	32.1	45.4	51.7	19.9	37.7	50.2	39.9		42.6
HX40-93038 (E)	Hartz	55.1	43.4	48.0	31.1	44.4	47.3	15.6	35.5	46.7	36.3		40.4
HBK R4660	Hornbeck	48.8	49.9	45.9	37.8	45.6	51.0	24.6	24.6	51.2	37.8		41.7
HBK R4820	Hornbeck	65.4	66.0	56.0	43.4	57.7	63.0	28.4	43.2	47.2	45.5		51.6
HBK SB4310R	Hornbeck	56.6	32.0	42.3	31.1	40.5	42.4	12.6	26.8	38.3	30.0		35.3
9410XRR (E)	M & D Gold	55.3	36.6	43.2	26.6	40.4	47.3	19.5	28.6	33.1	32.1		36.3
9480XRR (E)	M & D Gold	34.5	46.4	47.1	40.0	42.0	39.1	34.4	36.0	47.4	39.2		40.6
NK S46-G2	NK	53.8	47.9	47.4	36.5	46.4	52.9	22.2	40.8	54.9	42.7		44.6
94B23	Pioneer	52.6	34.2	43.0	30.8	40.2	44.3	16.1	28.5	29.5	29.6		34.9
94B73	Pioneer	59.0	43.2	56.2	47.7	51.5	61.0	24.6	41.7	48.6	44.0		47.8
SS RT446N	Southern States	56.0	46.4	50.5	37.6	47.7	46.3	28.7	30.7	41.8	36.8		42.3
TV4589RR	Terral	57.0	46.8	46.9	36.1	46.7	50.2	26.8	36.8	38.2	38.1		42.4
Overall Mean		56.2	47.2	49.4	37.1	47.5	50.8	24.8	38.3	45.9	40.0		43.7
LSD (.10)		4.2	8.9	5.1	8.0	3.4	8.8	7.1	10.7	11.6	4.8		2.9
Error degrees of freedom		60	60	60	60	240	60	60	60	60	240		480
CV (%)		5.5	13.8	7.6	15.8	10.6	12.7	21.0	20.4	18.5	17.8		14.1
R^2 (%)		84	69	75	63	84	89	72	81	50	87		87

[1](E) = Experimental.

Table 7. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Prairie	MSU	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG4602	Asgrow	54.5	45.7	46.2	38.3	46.3	45.4	36.8	37.6	50.7	42.6		44.5
AG4702	Asgrow	53.4	54.0	54.6	42.5	51.1	47.8	42.9	44.4	51.9	46.7		48.9
AG4902	Asgrow	57.0	52.9	48.1	47.4	51.3	50.2	45.6	45.5	57.6	49.7		50.5
AG5001	Asgrow	62.1	55.0	50.2	51.6	54.7	58.4	39.2	46.2	46.6	47.6		51.2
RC 4848	Croplan Genetics	57.3	51.9	45.5	46.3	50.2	51.3	40.4	34.8	52.6	44.8		47.5
RC 4995 (E)	Croplan Genetics	58.5	63.4	53.5	35.5	52.7	52.3	47.9	48.2	45.5	48.5		50.6
YRC 49 (E)	Croplan Genetics	58.5	55.0	51.3	45.0	52.5	47.2	40.3	47.9	54.3	47.4		49.9
Delta Grow 4850RR	Delta Grow	55.5	54.7	46.8	47.9	51.2	51.3	38.3	33.6	53.8	44.3		47.7
Delta Grow 4950RR	Delta Grow	60.0	65.8	51.3	42.6	54.9	42.7	47.3	50.2	53.7	48.5		51.7
DK 4762RR	Delta King	49.8	46.5	43.8	48.1	47.0	41.5	27.3	41.7	56.1	41.6		44.3
DK 4868RR	Delta King	61.1	59.0	51.8	44.4	54.1	54.3	45.5	50.9	53.6	51.1		52.6
DK 4965RR	Delta King	55.0	55.0	49.1	48.1	51.8	48.8	43.0	37.9	53.5	45.8		48.8
DK 4763RR	Delta King	58.5	57.0	47.3	40.3	50.8	48.6	44.0	38.6	49.9	45.3		48.0
DK XTJ184RR (E)	Delta King	57.7	57.0	51.1	45.3	52.8	45.6	40.7	39.3	54.2	44.9		48.9
DK XTJ201RR (E)	Delta King	64.0	67.5	53.7	45.5	57.7	58.3	51.1	51.2	54.9	53.9		55.8
DPX 4885RR (E)	Deltapine	59.4	58.5	51.9	44.2	53.5	44.4	42.3	49.9	47.9	46.1		49.8
SG498RR	Deltapine	54.7	67.4	51.5	46.8	55.1	45.2	40.9	47.2	56.0	47.3		51.2
Dixie 4803RR	Dixie	56.4	56.9	49.4	36.8	49.9	59.2	46.3	44.4	45.5	48.9		49.4
DG 3484NRR	Dyna-Gro	57.7	50.6	49.7	42.8	50.2	41.2	40.7	39.4	56.6	44.5		47.3
ES Prairie RR	Eagle Seed	50.8	55.0	44.9	43.1	48.4	36.7	41.9	47.9	45.9	43.1		45.8
FFR 4900RR	FFR	50.3	61.3	54.8	41.6	52.0	41.3	46.0	53.5	51.6	48.1		50.1
Genesis A484RR	Genesis	57.9	52.0	51.2	48.5	52.4	40.4	43.8	43.9	47.0	43.8		48.1
Genesis B481RR	Genesis	56.0	43.2	43.2	42.0	46.1	35.3	40.1	38.4	55.6	42.4		44.2
Genesis A504RR	Genesis	51.4	54.4	50.3	38.5	48.7	42.3	41.3	48.4	43.6	43.9		46.3
H4884RR	Hartz	54.6	55.2	46.9	45.2	50.5	47.2	40.4	37.5	53.5	44.6		47.6
H4994RR	Hartz	55.3	62.7	56.3	48.5	55.7	42.7	43.7	57.6	49.2	48.4		52.0
HBK R4920	Hornbeck	62.3	64.1	51.5	42.8	55.2	47.1	48.5	51.6	54.8	50.5		52.8
HBK R5101	Hornbeck	53.8	59.6	40.2	39.7	48.3	40.3	46.5	43.9	52.3	45.8		47.1
Morsoy RT4809	Morsoy	53.8	54.6	50.5	37.2	49.0	46.3	45.0	42.3	37.3	42.8		45.9
NK S51-T1	NK	52.8	58.9	38.9	32.0	45.6	34.8	38.9	37.5	52.1	40.8		43.2
9492	Pioneer	54.7	58.6	52.8	45.8	53.0	47.9	38.9	42.4	52.6	45.5		49.2
Progeny 4858RR	Progeny	57.5	58.7	52.4	45.9	53.6	49.7	46.2	38.0	50.9	46.2		49.9
SS RT4980	Southern States	57.7	61.7	47.3	38.4	51.3	47.9	44.7	50.8	54.3	49.4		50.4
SS RT46704N	Southern States	46.1	46.1	26.0	29.8	37.0	41.0	51.3	47.8	47.9	47.0		42.0
TV4886RR	Terral	52.9	54.2	45.1	43.8	49.0	42.2	41.5	40.9	54.7	44.8		46.9
TV4890RR	Terral	49.5	52.2	52.8	33.4	47.0	41.6	44.7	38.9	53.2	44.6		45.8
USG 7489RR	USG	60.3	52.8	50.7	40.4	51.0	36.5	43.1	54.3	53.1	46.7		48.9
V492NRR	Vigoro	52.8	52.9	46.0	40.0	47.9	35.9	47.0	43.5	59.5	46.5		47.2
Overall Mean		55.8	56.1	48.7	42.5	50.8	45.5	43.0	44.4	51.7	46.1		48.5
LSD (.10)		4.6	8.1	5.1	8.0	3.3	10.2	7.8	6.3	11.4	4.5		2.8
Error degrees of freedom		74	74	74	74	296	74	74	74	74	296		5.92
CV (%)		6.0	10.6	7.7	13.8	9.6	16.4	13.3	10.4	16.2	14.5		12.1
R^2 (%)		69	62	76	54	79	81	84	72	49	77		79

[1](E) = Experimental.

Table 8. Summary of Yields for Maturity Group V Early Roundup Ready for the 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Prairie	MSU	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AgriPro/Garst 5512RR/N	AgriPro/Garst	51.4	60.7	51.8	41.4	51.3	49.9	51.9	58.6	52.1	53.1		52.2
Armor 53-K3	Armor	52.3	54.0	48.5	37.3	48.0	47.3	54.8	57.2	59.8	54.8		51.4
Armor 54-Z4	Armor	58.9	61.3	49.1	42.0	52.8	45.2	50.6	60.7	63.0	54.9		53.9
AG5001	Asgrow	55.6	53.6	53.0	34.0	49.0	36.5	41.6	37.3	43.0	39.6		44.3
AG5501	Asgrow	55.7	68.7	57.2	41.1	55.7	47.4	56.1	60.4	66.6	57.6		56.7
AG5602	Asgrow	55.8	63.3	51.5	34.8	51.4	44.6	51.0	57.6	60.5	53.4		52.4
AG5603	Asgrow	56.0	60.0	53.1	36.1	51.3	50.2	49.3	50.9	56.5	51.7		51.5
AG5701	Asgrow	59.3	68.1	52.0	43.8	55.8	51.9	54.3	61.7	57.2	56.3		56.1
RC 5252 (E)	Croplan Genetics	52.3	66.5	55.4	35.9	52.5	50.0	52.4	57.9	67.6	57.0		54.8
RC5454 (E)	Croplan Genetics	55.6	66.6	55.8	40.0	54.5	50.3	49.7	60.7	54.8	53.8		54.2
YRC 51 (E)	Croplan Genetics	48.6	52.7	50.1	40.3	47.9	34.5	47.2	50.8	53.8	46.6		47.3
YRC 56 (E)	Croplan Genetics	53.8	56.2	53.1	37.0	50.0	46.2	50.4	58.2	50.2	51.3		50.6
Delta Grow 5250RR	Delta Grow	50.3	61.8	52.7	38.7	50.8	49.5	43.2	57.0	69.7	54.8		52.8
Delta Grow 5450RR	Delta Grow	55.2	56.7	50.9	38.8	50.4	49.6	47.1	58.1	56.2	52.8		51.6
Delta Grow 5630RR	Delta Grow	57.6	67.1	52.8	36.2	53.4	44.8	52.5	58.6	61.2	54.3		53.8
Delta Grow 5600RR	Delta Grow	52.7	57.4	43.1	37.1	47.6	44.6	51.1	56.8	47.1	49.9		48.7
DK5465RR	Delta King	54.2	64.1	51.3	38.0	51.9	48.7	52.0	59.7	64.7	56.3		54.1
DK5366RR	Delta King	64.6	76.9	58.6	42.6	60.7	54.5	53.0	59.7	56.4	55.9		58.3
DK5661RR	Delta King	62.3	65.3	55.4	43.6	56.6	50.3	50.3	58.6	62.1	55.3		56.0
DK5668RR	Delta King	57.8	72.6	53.2	41.0	56.2	48.8	50.2	59.3	55.0	53.3		54.7
DK XTJ202RR (E)	Delta King	62.1	78.0	59.7	42.8	60.6	52.4	53.3	55.4	57.7	54.7		57.4
DK XTJ203RR (E)	Delta King	57.1	61.0	53.6	40.5	53.0	45.5	51.3	55.5	57.9	52.5		52.8
DK XTJ204RR (E)	Delta King	56.6	71.4	50.7	39.4	54.6	45.7	56.9	56.3	57.0	54.0		54.3
DK XTJ205RR (E)	Delta King	59.0	70.5	53.5	40.3	55.8	44.9	51.6	54.6	49.4	50.2		53.0
DP5414RR	Deltapine	51.6	65.4	49.7	40.8	51.9	46.5	60.1	63.5	52.0	55.5		53.7
DP5644RR	Deltapine	54.5	72.3	49.8	34.9	52.9	50.0	50.8	55.0.	69.8	56.4		54.6
DG 3518NRR	Dyna-Gro	50.1	54.3	55.0	36.9	49.1	38.8	51.8	52.9	54.2	49.4		49.3
DG 3535NRR	Dyna-Gro	62.1	66.1	54.5	35.6	54.6	48.1	51.5	60.0	55.7	53.8		54.2
DG 3543NRR	Dyna-Gro	52.8	62.8	53.7	34.7	51.0	48.3	46.2	57.0	56.7	52.1		51.5
DG 3562NRR	Dyna-Gro	60.9	66.2	54.1	40.1	55.3	50.1	53.1	59.3	47.5	52.5		53.9
ES Punch RR	Eagle Seed	47.6	48.1	53.0	34.3	45.8	41.3	53.0	51.9	41.2	46.9		46.3
ES Ranger RR	Eagle Seed	57.3	53.2	54.7	40.7	51.5	41.2	42.2	52.4	55.7	47.9		49.7
Genesis B531RR	Genesis	55.5	56.5	50.7	37.4	50.0	41.7	43.2	50.4	55.6	47.7		48.9
Genesis B544RR	Genesis	51.0	65.1	55.5	38.5	52.5	48.7	51.0	58.7	62.1	55.1		53.8
H5231RR	Hartz	55.4	64.9	52.3	33.1	51.4	43.4	49.0	54.4	56.0	50.7		51.1
HBK R5420	Hornbeck	59.6	65.3	55.5	39.0	54.8	49.6	47.9	55.2	59.7	53.1		54.0
HBK R5588	Hornbeck	48.8	60.9	59.5	43.6	53.2	43.8	57.8	58.4	53.2	53.3		53.2
HBK R5620	Hornbeck	56.4	71.7	54.3	37.6	55.0	49.7	49.7	54.8	52.9	51.8		53.4
9551XRR (E)	M & D Gold	53.6	52.7	50.3	33.7	47.6	28.5	44.4	45.2	38.9	39.2		43.4
RT5110N	Morsoy	51.6	57.7	56.8	38.2	51.1	45.3	41.5	57.1	61.7	51.4		51.2
NK S59-V6	NK	59.9	62.9	52.1	38.3	53.3	43.8	43.6	57.4	52.5	49.3		51.3
9492	Pioneer	51.1	47.1	54.1	33.3	46.4	34.9	44.1	37.2	44.0	40.1		43.2
95B32	Pioneer	54.4	60.7	54.2	47.7	54.3	37.4	47.0	59.6	55.4	49.9		52.1
95B53	Pioneer	58.5	71.9	61.2	42.7	58.6	36.3	52.2	65.7	59.8	53.5		56.0
Progeny 5415RR	Progeny	58.0	61.2	56.7	40.3	54.1	44.2	45.4	57.6	59.4	51.7		52.9
Progeny 5660RR	Progeny	61.7	69.4	51.8	36.3	54.8	50.0	48.5	57.7	54.8	52.8		53.8
SS RT5001N	Southern States	45.2	54.4	52.8	44.1	49.1	32.7	47.1	51.6	47.6	44.8		46.9
SS RT517N	Southern States	51.9	56.7	55.8	39.7	51.0	38.5	50.3	47.6	47.5	46.0		48.5
SS RT557N	Southern States	52.8	71.6	57.0	46.3	56.9	44.5	61.0	60.9	49.3	53.9		55.4
TV52R42	Terral	51.4	56.4	51.4	38.2	49.4	42.3	45.7	50.8	52.4	47.8		48.6
TV5486RR	Terral	51.9	51.4	54.0	27.2	46.1	39.7	49.9	49.3	39.2	44.5		45.3
TV5666RR	Terral	50.4	57.7	53.0	45.3	51.6	40.5	53.5	54.3	46.1	48.6		50.1
TVX5R400 (E)	Terral	53.8	64.2	56.0	38.2	53.0	47.4	46.2	55.6	59.0	52.0		52.5
TVX5R600 (E)	Terral	62.2	68.0	55.3	36.1	55.4	47.7	51.1	55.3	53.3	51.8		53.6
TVX54R001 (E)	Terral	51.3	50.4	56.9	38.1	49.2	48.4	45.0	55.0	58.3	51.7		50.5
TVX56R001 (E)	Terral	63.1	56.0	55.3	39.7	53.5	47.9	50.0	56.7	53.8	52.1		52.8
USG 540nRR	USG	55.2	65.1	52.8	41.0	53.5	52.9	53.6	56.9	59.5	55.7		54.6
USG 7547RR	USG	47.0	67.0	58.3	45.8	54.5	42.1	51.5	56.5	53.5	50.9		52.7
V562NRR	Vigoro	56.2	69.4	54.6	36.1	54.1	49.8	52.1	56.5	54.4	53.2		53.6
Overall Mean		55.1	62.4	53.7	38.9	52.5	45.2	50.1	55.8	55.1	51.5		52.0
LSD (.10)		6.2	10.3	6.7	4.6	3.6	6.0	6.9	4.7	8.4	3.3		2.4
Error degrees of freedom		116	116	116	116	464	116	116	116	116	464		928
CV (%)		8.3	12.3	9.2	8.7	10.2	9.8	10.1	6.2	11.2	9.5		9.9
R^2 (%)		59	58	37	65	84	83	71	78	68	81		82

[1](E) = Experimental.

Table 9. Summary of Yields for Maturity Group V Late Roundup Ready for the 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Prairie	MSU	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 56-J6	Armor	60.6	68.8	51.2	42.2	55.7	49.4	52.3	54.8	53.6	52.5		54.1
Armor 59-B9	Armor	48.4	49.4	50.9	40.9	47.4	40.1	55.6	55.7	39.5	47.8		47.6
AG5701	Asgrow	59.1	68.0	56.7	42.1	56.5	47.7	59.0	59.7	57.1	55.8		56.2
AG5901	Asgrow	53.5	65.9	47.3	41.1	52.0	51.4	58.1	52.5	54.6	54.2		53.1
AG5902	Asgrow	54.3	63.8	44.1	36.9	49.8	53.4	58.6	49.0	55.7	54.2		52.0
590RR	Croplan Genetics	56.7	56.8	49.9	35.9	49.8	46.4	47.5	54.5	49.6	49.5		49.7
YRC 57 (E)	Croplan Genetics	49.5	55.3	44.1	37.9	46.7	50.6	53.8	48.1	47.5	50.0		48.4
YRC 58 (E)	Croplan Genetics	52.0	65.8	51.7	39.4	52.2	50.7	62.1	57.2	50.9	55.2		53.7
Delta Grow 5950RR	Delta Grow	52.9	53.8	45.7	35.8	47.1	44.0	50.8	56.1	54.7	51.4		49.3
DK5762RR	Delta King	47.9	52.9	48.6	36.4	46.4	45.8	50.5	56.1	51.8	51.1		48.8
DK5961RR	Delta King	47.5	58.7	40.5	32.0	44.7	45.3	52.5	46.0	54.8	49.7		47.2
DP5806RR	Deltapine	58.5	53.2	45.2	38.4	48.9	49.7	52.9	56.7	52.3	52.9		50.9
DP5915RR	Deltapine	49.3	72.0	55.0	44.2	55.2	60.2	57.5	58.3	55.3	57.9		56.5
DG 3582NRR	Dyna-Gro	51.9	55.0	48.6	40.1	48.9	42.8	43.0	56.8	45.8	47.1		48.0
ES Marshal RR	Eagle Seed	51.0	36.1	37.8	32.2	39.3	37.5	52.2	51.9	27.3	42.2		40.8
ES Trooper RR	Eagle Seed	43.9	56.2	44.8	37.9	45.7	42.8	51.2	51.5	44.7	47.6		46.6
H5885RR	Hartz	62.2	70.9	56.8	45.3	58.8	49.2	59.5	54.4	54.7	54.4		56.6
H5999RR	Hartz	52.5	58.6	46.1	31.4	47.1	46.0	56.3	49.3	41.6	48.3		47.7
HBK R5820	Hornbeck	49.6	59.5	51.0	39.1	49.8	41.1	54.8	53.2	48.6	49.4		49.6
HBK R5920	Hornbeck	53.2	60.7	45.7	41.4	50.2	42.2	46.2	55.2	52.5	49.0		49.6
HBK R6020	Hornbeck	54.9	60.6	45.2	38.1	49.7	47.0	50.6	54.4	45.0	49.2		49.5
NK S59-V6	NK	59.4	57.5	51.1	44.4	53.1	41.1	47.2	57.1	47.0	48.1		50.6
NK S58-R3	NK	53.8	57.8	51.4	39.6	50.6	45.8	53.3	63.0	57.2	54.8		52.7
95B96	Pioneer	66.8	75.3	59.4	44.7	61.6	47.4	42.0	54.1	51.6	48.8		55.2
Progeny 5900RR	Progeny	54.6	57.7	50.1	41.2	51.2	41.6	52.3	51.2	54.0	49.7		50.5
SS RT587N	Southern States	49.4	61.2	48.6	47.3	51.6	43.5	56.0	53.3	39.5	48.1		49.9
SS RT5999N	Southern States	54.3	64.7	54.4	47.5	55.2	42.5	58.6	56.9	52.8	52.7		54.0
TV59R98	Terral	59.0	53.0	48.8	44.2	51.3	38.7	57.9	52.3	48.7	49.4		50.3
TV59R85	Terral	54.0	60.7	50.2	36.4	50.4	41.6	48.2	53.5	45.3	47.2		48.8
TVX58R001 (E)	Terral	60.5	63.4	55.9	43.2	55.7	53.0	55.3	61.3	45.8	53.9		54.8
TVX5R800 (E)	Terral	57.1	59.5	50.6	45.4	53.2	48.2	54.2	57.7	42.9	50.8		52.0
TVX5R900 (E)	Terral	45.4	57.0	51.1	40.9	48.6	46.7	51.3	51.9	56.6	51.6		50.1
USG EXP 570 (E)	USG	62.5	66.7	52.1	41.6	55.8	51.0	51.7	54.9	49.6	51.8		53.8
USG 7585nRR	USG	53.5	56.1	52.4	43.1	51.3	47.0	49.5	56.9	54.9	52.1		51.7
Overall Mean		54.1	59.8	49.5	40.3	50.9	45.2	53.0	54.6	49.5	50.8		50.9
LSD (.10)		6.6	5.9	4.0	4.4	2.6	6.8	4.7	40.1	11.1	3.6		2.2
Error degrees of freedom		66	66	66	66	264	66	66	66	66	264		52.8
CV (%)		8.9	7.3	5.9	8.0	7.7	10.8	6.5	5.5	16.5	10.4		9.1
R^2 (%)		64	81	80	75	89	66	76	70	51	68		81

[1](E) = Experimental.

Table 10. Summary of Yields for Maturity Group VI Roundup Ready for the 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Bolton	MSU	Hill avg.	Stoneville Irr.	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriPro/Garst XR0162N44 (E)	AgriPro/Garst	38.5	55.9	47.2	40.8	45.1
AgriPro/Garst 6612RR/N	AgriPro/Garst	43.6	49.1	46.4	36.7	43.1
AG6101	Asgrow	44.5	43.3	43.9	35.3	41.0
AG6201	Asgrow	41.8	53.6	47.7	42.2	45.9
TS6299RR (E)	Croplan Genetics	26.4	50.6	46.2	30.5	38.6
V602NRR	Vigoro	46.2	52.2	49.2	45.9	48.1
Overall Mean		40.2	50.8	42.6	38.6	43.6
LSD (.10)		13.3	4.2	6.0	6.0	4.4
Error degrees of freedom		10	10	20	10	30
CV (%)		22.4	5.5	13.1	10.4	12.5
R^2 (%)		63	81	70	75	76

[1](E) = Experimental.

Table 11. Summary of 2-Year Yields for Maturity Group IV for the 2000 and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Bolton	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK4680	Delta King	63.0	55.8	52.7	30.2	50.4	35.2	45.7	24.7	35.2		43.9
DK4711	Delta King	65.6	52.9	58.0	32.0	52.1	37.8	39.3	44.3	40.4		47.1
DP4748S	Deltapine	64.3	66.1	60.0	33.7	56.0	35.8	36.7	45.0	39.2		48.8
Dixie 478	Dixie	70.1	62.5	58.9	30.7	55.5	33.2	37.2	24.1	31.5		45.2
HBK 4891	Hornbeck	67.8	57.9	66.2	33.2	56.3	42.3	35.8	43.3	40.4		49.5
9511	Pioneer	59.7	63.0	54.8	24.7	50.5	28.4	40.1	33.6	34.0		43.5
Progeny 4910	Progeny	69.3	66.4	61.1	32.2	57.2	37.6	40.5	41.0	39.7		49.7
TV4881	Terral	65.5	53.5	58.1	32.0	52.3	39.5	36.4	43.3	39.7		46.9
TV4975	Terral	67.6	62.2	55.1	26.0	52.7	25.5	37.4	42.0	35.0		45.1
DT97-4290 (E)	Public	64.7	60.2	52.8	27.3	51.3	35.8	40.4	39.8	38.7		45.9
Overall Mean		65.8	60.0	58.7	30.2	53.5	35.1	38.9	38.1	37.4		46.5
LSD (.10)		3.9	8.1	4.1	2.3	2.5	5.6	6.7	4.4	3.2		2.0
Error degrees of freedom		36	36	30	36	138	36	36	36	108		246
CV (%)		6.0	13.9	6.7	7.9	9.7	16.3	17.5	11.7	15.4		11.7
R^2 (%)		81	67	94	99	95	92	93	86	92		95

[1](E) = Experimental.

Table 12. Summary of 2-Year Yields for Maturity Group V Early for the 2000 and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Bolton	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK 5850	Delta King	62.3	57.9	42.0	54.1	33.1	35.3	50.9	39.8		46.9
9511	Pioneer	50.7	54.3	37.4	47.5	24.3	37.0	32.0	31.1		39.3
95B33	Pioneer	57.9	69.0	45.0	57.3	25.3	41.2	43.3	36.6		46.9
Progeny 5120N	Progeny	55.8	59.5	42.8	52.7	31.2	34.6	43.9	36.6		44.6
Progeny 5600	Progeny	62.7	65.7	46.1	58.2	25.7	37.4	46.4	36.5		47.3
Delsoy 5500	Public	59.8	66.4	43.4	56.5	32.5	35.7	47.5	38.5		47.5
Hutcheson	Public	59.3	49.9	40.9	50.1	35.8	40.0	46.6	40.8		45.4
Overall Mean		58.4	60.4	42.5	53.8	29.7	37.3	44.4	37.1		45.4
LSD (.10)		4.6	6.6	3.2	2.8	11.2	5.7	3.9	4.3		2.5
Error degrees of freedom		24	24	24	72	24	24	24	72		144
CV (%)		7.9	11.1	7.6	9.4	38.4	15.5	9.0	20.8		14.4
R^2 (%)		76	72	98	93	78	94	89	88		92

[1]All are released varieties.

Table 13. Summary of 2-Year Yields for Maturity Group V Late for the 2000 and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch [2]	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
A5959	Asgrow	65.3	68.0	61.3	64.9	37.2	45.4	41.3		55.4
DK5995	Delta King	64.7	66.7	60.4	63.9	35.8	51.8	43.8		55.9
DP5989	Deltapine	61.5	60.2	61.3	61.0	27.3	39.2	33.3		49.9
HBK 5991	Hornbeck	64.2	67.5	65.6	65.8	31.9	48.6	40.2		55.6
9594	Pioneer	66.8	70.3	69.7	68.9	33.1	43.0	38.0		56.6
SS597N	Southern States	59.8	57.9	56.8	58.1	33.4	43.8	38.6		50.3
TV5926	Terral	57.9	50.2	53.0	53.7	29.0	43.5	36.2		46.7
Bolivar	Public	55.9	57.3	62.7	58.6	30.8	42.7	36.7		49.8
Caviness	Public	57.8	56.0	54.4	56.1	32.2	40.2	36.2		48.1
DT96-6840 (E)	Public	60.3	63.7	59.9	61.3	39.7	45.0	42.4		53.7
Hutcheson	Public	55.6	57.2	51.8	54.9	31.9	38.6	35.2		47.0
R95-2210 (E)	Public	61.4	61.5	60.9	61.3	30.1	45.8	37.9		51.9
UARK-5798	Public	62.0	64.5	57.4	61.3	30.6	39.2	34.9		50.7
Overall Mean		61.0	61.6	59.6	60.7	32.5	43.6	38.1		51.7
LSD (.10)		4.2	5.0	4.6	2.6	5.2	4.5	3.4		2.1
Error degrees of freedom		48	48	48	144	48	48	96		240
CV (%)		7.1	8.3	8.0	7.8	16.4	10.6	13.1		9.4
R^2 (%)		75	83	74	79	94	91	94		95

[1]E = Experimental.
[2]Average of 1999 and 2001.

Table 14. Summary of 2-Year Yields for Maturity Group VI for the 2000 and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	MSU	Stoneville Irr.	State avg.
		bu/A	*bu/A*	*bu/A*
Dillon	Public	34.5	54.4	44.5
R92-1258 (E)	Public	40.0	53.7	46.9
SANTEE	Public	39.5	43.9	41.7
Overall Mean		38.0	50.7	44.3
LSD (.10)		5.2	3.3	2.9
Error degrees of freedom		8	8	16
CV (%)		12.7	6.1	9.2
R^2 (%)		94	94	95

[1](E)= Experimental.

Table 15. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2000 and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Prairie	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AgriPro Garst 4888RR	AgriPro/Garst	66.9	62.3	59.9	25.5	53.6	30.5	36.6	33.6		47.0
AG4403	Asgrow	68.6	54.1	62.6	28.9	53.5	29.8	34.6	32.2		46.4
AG4602	Asgrow	63.4	51.7	51.3	28.8	48.8	28.3	36.7	32.5		43.3
AG4702	Asgrow	59.6	59.5	55.4	29.7	51.0	28.5	35.4	31.9		44.7
TS 466RR	Croplan Genetics	54.7	52.3	54.3	24.0	46.3	31.3	30.4	30.8		41.2
DP4344RR	Deltapine	60.6	42.7	47.7	23.8	43.7	22.5	26.1	24.3		37.2
DP4690RR	Deltapine	67.7	56.4	61.5	27.2	53.2	29.6	34.0	31.8		46.1
DG3463NRR	Dyna-Gro	53.9	48.3	54.9	30.5	46.9	26.5	31.0	28.7		40.8
HBK R4660	Hornbeck	54.4	51.3	55.2	26.9	46.9	20.2	35.9	28.1		40.6
SS RT446N	Southern States	60.2	49.8	56.6	28.7	48.8	21.5	29.4	25.4		41.0
TV4589RR	Terral	58.7	48.6	52.8	27.1	46.8	25.0	27.7	26.4		40.0
Overall Mean		60.8	52.4	55.6	27.4	49.1	26.7	32.5	29.6		42.6
LSD (.10)		3.9	6.8	3.4	4.6	2.4	5.7	5.2	3.8		3.3
Error degrees of freedom		40	40	40	40	160	40	40	80		240
CV (%)		6.7	13.3	6.4	17.4	10.2	22.0	16.6	19.0		19.8
R^2 (%)		87	65	88	91	94	91	92	92		87

[1]All are released varieties.

Table 16. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2000 and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Prairie	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG4702	Asgrow	58.5	53.9	55.7	31.2	49.8	35.8	44.9	29.1	33.3	35.8		42.8
AG4902	Asgrow	60.6	54.4	50.5	32.2	49.4	38.5	45.8	31.6	38.5	38.6		44.0
RC 4848	Croplan Genetics	64.4	54.6	51.9	31.4	50.6	38.3	36.0	27.0	35.8	34.3		42.4
Delta Grow 4850RR	Delta Grow	61.1	55.0	53.2	30.3	49.9	40.3	39.3	26.5	37.6	35.9		42.9
DK 4762RR	Delta King	53.6	51.1	48.1	31.4	46.0	31.7	41.3	20.3	40.7	33.5		39.8
DK 4868RR	Delta King	69.8	65.5	59.6	30.7	56.4	37.7	47.4	32.8	42.1	40.0		48.2
DK 4965RR	Delta King	61.3	56.6	52.2	30.8	50.2	34.9	43.2	30.9	43.4	38.1		44.2
SG498RR	Deltapine	63.1	67.3	57.4	29.7	54.4	31.1	39.9	29.9	40.0	35.2		44.8
Dixie 4803RR	Dixie	64.6	60.1	55.4	25.0	51.3	41.9	40.2	32.0	35.7	37.5		44.4
DG 3484NRR	Dyna-Gro	64.1	56.0	53.2	28.7	50.5	35.3	41.2	27.7	40.9	36.3		43.4
ES Prairie RR	Eagle Seed	55.6	53.8	49.2	23.0	45.4	25.7	41.3	28.8	36.1	32.9		39.2
Genesis A484RR	Genesis	61.6	51.6	55.2	30.1	49.6	33.4	40.3	28.5	34.0	34.1		41.8
Genesis A504RR	Genesis	59.3	57.7	51.7	25.2	48.4	29.2	37.1	27.3	33.6	31.8		40.1
H4884RR	Hartz	62.4	55.5	53.5	30.4	50.4	33.3	34.1	27.8	39.7	33.7		42.1
H4994RR	Hartz	63.6	64.8	59.1	32.1	54.9	26.9	50.2	32.1	36.1	36.3		45.6
HBK R4920	Hornbeck	67.4	58.0	56.8	27.8	52.5	35.9	43.6	32.8	39.4	38.0		45.2
Morsoy RT4809	Morsoy	69.6	63.2	61.1	25.5	54.8	36.1	44.1	32.1	32.1	36.1		45.5
NK S51-T1	NK	60.5	54.1	45.1	18.9	44.6	23.3	34.6	27.8	38.2	31.0		37.8
9492	Pioneer	58.8	57.8	55.8	32.4	51.2	36.3	42.1	27.9	34.0	35.1		43.1
SS RT4980	Southern States	65.9	60.6	55.3	25.6	51.9	35.1	44.4	30.8	40.1	37.6		44.7
TV4886RR	Terral	60.3	56.8	52.6	28.7	49.6	33.3	36.9	29.5	42.2	35.5		42.6
TV4890RR	Terral	57.5	53.4	55.0	24.4	47.6	31.4	39.9	30.1	34.5	33.0		40.8
Overall Mean		62.0	57.3	54.0	28.4	50.4	33.9	41.3	29.2	37.6	35.5		43.0
LSD (.10)		3.7	5.6	3.2	3.7	2.1	6.8	5.7	4.6	6.4	2.9		1.8
Error degrees of freedom		84	84	84	84	336	84	84	84	84	336		672
CV (%)		6.2	10.1	6.1	13.4	8.5	21.0	14.3	16.3	17.6	17.4		12.4
R^2 (%)		89	63	87	96	96	88	66	94	89	90		94

[1]All are released varieties.

Table 17. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2000 and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Delta avg.	Olive Branch	MSU	Prairie	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG5001	Asgrow	60.6	51.0	55.8	55.8	30.4	30.8	24.2	25.9	27.8		39.8
AG5501	Asgrow	60.8	64.7	56.8	60.8	30.4	43.8	35.1	40.9	37.5		47.5
AG5602	Asgrow	60.0	58.4	56.9	58.4	27.2	41.6	29.6	38.6	34.2		44.6
AG5701	Asgrow	65.4	67.8	58.7	63.9	32.4	48.1	34.2	36.5	37.8		49.0
Delta Grow 5630RR	Delta Grow	65.2	65.7	58.5	63.1	31.1	44.7	35.3	37.8	37.2		48.3
DK5465RR	Delta King	61.6	55.2	56.2	57.7	37.9	46.3	34.4	41.9	40.1		47.6
DK5366RR	Delta King	66.6	72.8	65.1	68.2	32.6	49.4	34.6	35.9	38.1		51.0
DK5661RR	Delta King	64.4	63.6	60.6	62.8	30.3	44.4	34.5	41.9	37.8		48.5
DK5668RR	Delta King	62.3	69.1	62.8	64.7	35.7	46.3	32.6	35.4	37.5		49.2
DP5414RR	Deltapine	59.4	59.6	57.5	58.8	29.8	46.7	36.7	34.7	37.0		46.3
DP5644RR	Deltapine	59.3	66.0	58.1	61.1	32.2	43.9	32.3	42.9	37.8		47.8
DG3535NRR	Dyna-Gro	66.4	65.4	60.7	64.2	32.5	44.9	35.0	38.1	37.6		49.0
DG3562NRR	Dyna-Gro	64.8	65.2	62.6	64.2	30.0	46.5	34.6	33.9	36.2		48.2
ES Punch RR	Eagle Seed	50.5	50.1	56.8	52.5	27.1	42.1	35.3	30.5	33.7		41.8
ES Ranger RR	Eagle Seed	58.1	51.7	56.4	55.4	26.2	44.1	28.2	33.0	32.9		42.5
H5231RR	Hartz	60.1	57.6	56.5	58.1	31.2	40.0	28.0	34.4	33.3		43.9
HBK R5588	Hornbeck	55.1	54.3	60.8	56.7	30.7	44.5	36.7	32.6	36.1		44.9
NK S59-V6	NK	62.8	61.0	58.2	60.7	30.4	46.3	30.3	33.3	35.1		46.0
9492	Pioneer	54.2	48.9	54.1	52.4	29.5	31.7	25.0	26.6	28.2		38.6
95B32	Pioneer	56.7	58.2	57.6	57.5	28.0	45.2	30.8	34.7	34.7		44.4
95B53	Pioneer	62.3	65.9	57.4	61.9	30.4	50.8	32.3	39.6	38.2		48.4
SS RT557N	Southern States	53.8	61.2	59.3	58.1	28.6	48.9	39.5	33.9	37.7		46.5
TV52R42	Terral	56.6	55.0	56.9	56.2	28.7	41.2	30.5	33.6	33.5		43.2
TV5486RR	Terral	55.0	47.5	54.7	52.4	25.0	38.8	32.4	25.6	30.4		39.8
TV5666RR	Terral	52.1	54.8	55.9	54.2	24.6	43.3	34.4	30.4	33.2		42.2
USG 540nRR	USG	59.0	60.9	59.8	59.9	36.9	44.2	33.5	41.2	38.9		47.9
USG 7547RR	USG	48.5	53.9	52.5	51.7	30.7	44.3	32.5	34.0	35.3		42.3
Overall Mean		59.3	59.5	58.0	58.9	30.4	43.8	32.7	35.1	35.5		45.5
LSD (.10)		4.6	5.9	5.5	3.1	4.8	3.6	3.5	5.7	2.2		1.8
Error degrees of freedom		104	104	104	312	104	104	104	104	416		728
CV (%)		8.1	10.4	9.8	9.5	16.4	8.5	11.2	17.0	13.2		11.2
R^2 (%)		75	75	66	72	94	95	98	95	96		95

[1]All are released varieties.

Table 18. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2000 and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Delta avg.	Olive Branch	MSU	Prairie	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG5701	Asgrow	63.6	64.3	65.0	64.3	31.8	46.4	36.3	38.2		51.2
AG5901	Asgrow	57.0	60.8	51.9	56.5	30.6	41.9	36.9	36.5		46.5
AG5902	Asgrow	60.7	61.4	56.5	59.5	32.6	42.1	37.8	37.5		48.5
590RR	Croplan Genetics	59.2	52.7	56.8	56.2	31.8	44.2	32.3	36.1		46.2
Delta Grow 5950RR	Delta Grow	57.5	55.2	52.5	55.1	28.9	45.8	32.3	35.7		45.4
DK5762RR	Delta King	58.6	53.9	56.2	56.2	30.8	45.7	33.0	36.5		46.4
DK5961RR	Delta King	55.4	50.7	49.9	52.0	30.3	35.3	33.8	33.1		42.5
DP5806RR	Deltapine	61.1	52.2	55.1	56.2	30.8	46.4	36.6	37.9		47.0
DP5915RR	Deltapine	53.6	63.3	59.6	58.8	39.5	46.4	37.4	41.1		50.0
DG3582NRR	Dyna-Gro	58.7	53.6	56.4	56.2	30.9	46.6	28.4	35.3		45.8
ES Marshal RR	Eagle Seed	51.3	40.4	47.9	46.5	27.1	41.8	34.3	34.4		40.4
ES Trooper RR	Eagle Seed	49.2	52.0	50.2	50.4	27.6	42.0	35.1	34.9		42.7
H5885RR	Hartz	65.5	66.9	62.4	64.9	33.0	45.3	36.7	38.3		51.6
H5999RR	Hartz	54.7	55.2	58.3	56.0	29.8	42.4	34.7	35.6		45.8
HBK R5920	Hornbeck	59.7	55.5	53.5	56.2	27.6	44.4	30.5	34.2		45.2
HBK R6020	Hornbeck	61.5	58.9	54.7	58.4	33.8	42.4	32.0	36.0		47.2
NK S59-V6	NK	63.5	62.0	60.8	62.1	26.5	45.7	30.2	34.1		48.1
Progeny 5900RR	Progeny	60.0	58.5	58.0	58.8	31.2	42.8	32.4	35.4		47.1
SS RT587N	Southern States	55.5	55.7	51.2	54.1	31.4	41.9	35.3	36.2		45.2
SS RT5999N	Southern States	58.9	62.8	62.0	61.2	26.0	41.9	35.8	34.6		47.9
TV59R85	Terral	58.0	55.7	58.6	57.4	29.1	44.3	31.5	35.0		46.2
Overall Mean		58.2	56.7	56.1	57.0	30.5	43.6	34.0	36.0		46.5
LSD (.10)		3.9	3.9	3.8	2.2	4.8	3.2	2.7	2.1		1.5
Error degrees of freedom		80	80	80	240	80	80	80	240		480
CV (%)		7.0	7.2	7.1	7.1	16.4	7.5	8.1	10.6		8.4
R^2 (%)		81	84	90	86	94	95	99	97		97

[1]All are released varieties.

Table 19. Summary of 3-Year Yields for Maturity Group IV for the 1999, 2000, and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK4680	Delta King	62.6	53.9	57.5	24.1	49.5	39.6	25.7	42.1	35.8		43.6
DK4711	Delta King	64.5	51.5	64.2	27.0	51.8	41.9	41.2	38.5	40.6		47.0
Dixie 478	Dixie	69.8	59.4	62.0	25.3	54.1	37.2	23.2	40.6	33.7		45.4
HBK 4891	Hornbeck	67.1	54.4	67.8	27.8	54.3	45.6	41.8	33.6	40.3		48.3
9511	Pioneer	61.4	65.4	60.8	20.6	52.1	35.7	37.5	38.0	37.1		45.6
TV4881	Terral	62.5	53.2	64.9	26.8	51.9	44.1	41.5	36.1	40.6		47.0
TV4975	Terral	68.4	65.2	60.3	20.5	53.6	29.1	42.6	36.3	36.0		46.1
DT97-4290 (E)	Public	66.6	61.8	59.7	23.3	52.9	36.4	40.9	40.1	39.1		47.0
Overall Mean		65.4	58.1	63.3	24.4	52.6	38.7	36.8	38.2	37.9		46.2
LSD (.10)		2.9	5.9	3.5	2.2	1.9	4.6	3.1	4.7	2.4		1.5
Error degrees of freedom		42	42	36	42	162	42	42	42	126		288
CV (%)		5.6	12.8	6.6	11.5	9.3	15.0	10.7	15.4	14.0		10.9
R^2 (%)		80	71	93	98	97	92	90	92	92		96

[1](E) = Experimental.

Table 20. Summary of 3-Year Yields for Maturity Group V Early for the 1999, 2000, and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Delta avg.	MSU	Olive Branch	Bolton	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK 5850	Delta King	63.3	58.7	49.6	57.2	46.6	38.0	35.3	40.0		48.6
9511	Pioneer	54.0	57.7	48.9	53.5	30.7	30.8	33.7	31.7		42.6
95B33	Pioneer	56.4	64.4	53.5	58.1	36.7	34.2	38.9	36.6		47.3
Progeny 5120N	Progeny	56.2	59.4	50.4	55.3	39.8	35.2	33.5	36.2		45.8
Delsoy 5500	Public	62.1	65.7	53.8	60.5	42.7	36.7	33.9	37.8		49.2
Hutcheson	Public	61.9	49.2	51.3	54.1	41.8	36.9	37.1	38.6		46.4
Overall Mean		59.0	59.2	51.2	56.5	39.7	35.3	35.4	36.8		46.6
LSD (.10)		3.8	4.9	2.2	2.2	4.3	8.8	4.3	3.5		2.0
Error degrees of freedom		30	30	30	90	30	30	30	90		180
CV (%)		8.0	10.5	5.5	8.5	13.4	31.2	15.0	21.0		13.8
R^2 (%)		77	72	99	93	86	78	93	85		92

[1]All are released varieties.

Table 21. Summary of 3-Year Yields for Maturity Group V Late for the 1999, 2000, and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	MSU	Olive Branch	Hill avg.		Overall
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
A5959	Asgrow	67.9	66.8	67.2	67.3	46.2	41.6	43.9		57.9
DK 5995	Delta King	68.4	64.6	66.8	66.6	48.1	41.6	44.9		57.9
HBK 5991	Hornbeck	67.0	68.9	69.1	68.4	46.7	42.0	44.3		58.8
9594	Pioneer	70.3	70.0	71.9	70.7	43.2	39.1	41.2		58.9
SS 597N	Southern States	60.7	57.4	60.9	59.7	43.2	35.3	39.3		51.5
TV5926	Terral	59.8	53.4	56.9	56.7	43.5	32.9	38.2		49.3
Bolivar	Public	59.1	58.8	67.3	61.7	43.5	35.0	39.2		52.7
Caviness	Public	60.0	55.8	59.7	58.5	40.6	39.0	39.9		51.1
DT96-6840 (E)	Public	64.0	65.5	66.8	65.4	44.7	44.3	44.6		57.1
Hutcheson	Public	59.2	56.3	57.4	57.6	34.3	35.4	34.9		48.5
R95-2210 (E)	Public	63.4	60.8	63.8	62.7	43.4	33.4	38.4		53.0
UARK-5798	Public	62.8	64.8	62.7	63.4	41.6	34.5	38.0		53.3
Overall Mean		63.5	61.9	64.2	63.2	43.3	36.8	40.2		54.3
LSD (.10)		3.4	3.8	3.7	2.1	3.6	5.0	3.1		1.7
Error degrees of freedom		66	66	66	198	66	57	123		321
CV (%)		6.8	7.9	7.2	7.3	10.6	16.2	13.7		9.2
R^2 (%)		81	81	86	83	88	92	91		94

[1](E) = Experimental.

Table 22. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 1999, 2000, and 2001 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AgriPro/Garst 4888RR	AgriPro/Garst	62.6	59.9	62.3	20.2	51.2
AG4602	Asgrow	58.9	51.0	55.7	25.8	47.8
AG4702	Asgrow	54.3	59.7	57.8	26.3	49.5
TS 466RR	Croplan Genetics	51.5	53.4	54.9	21.5	45.3
DP4690RR	Deltapine	64.8	57.4	64.0	22.6	52.2
DG 3463NRR	Dyna-Gro	52.5	51.2	56.9	26.9	46.9
HBK R4660	Hornbeck	50.7	53.6	56.5	23.5	46.1
TV4589RR	Terral	55.4	50.2	53.6	25.0	46.0
Overall Mean		56.3	54.6	57.7	24.0	48.1
LSD (.10)		4.3	5.1	2.8	3.4	2.0
Error degrees of freedom		42	42	42	42	168
CV (%)		9.7	11.8	6.1	18.1	10.5
R^2 (%)		83	64	87	92	95

[1]All are released varieties.

Table 23. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 1999, 2000, and 2001 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	MSU	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AG4902	Asgrow	58.0	49.4	54.1	25.9	46.9	40.8	45.7
RC 4848	Croplan Genetics	59.7	55.0	54.5	26.2	48.9	34.1	45.9
DK 4868RR	Delta King	69.2	66.3	63.7	25.2	56.1	42.8	53.4
DK 4965RR	Delta King	57.6	59.1	55.0	25.5	49.3	39.3	47.3
SG498RR	Deltapine	65.9	67.7	58.1	23.5	53.8	37.0	50.4
NK S51-T1	NK	59.7	59.6	53.7	14.9	47.0	34.7	44.5
9492	Pioneer	56.7	60.1	56.8	27.6	50.3	38.3	47.9
TV4890RR	Terral	53.5	55.2	56.5	21.7	46.8	36.6	44.7
Overall Mean		60.0	59.1	56.6	23.8	49.9	38.0	47.5
LSD (.10)		3.5	6.2	3.2	2.7	2.0	4.1	1.8
Error degrees of freedom		42	42	42	42	168	42	210
CV (%)		7.3	13.3	7.2	14.1	10.5	13.6	11.0
R^2 (%)		87	65	87	97	95	73	95

[1]All are released varieties.

Table 24. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 1999, 2000, and 2001 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	MSU	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AG5001	Asgrow	55.5	49.9	59.6	55.0	29.8	48.7
AG5602	Asgrow	60.0	61.1	62.0	61.1	39.3	55.6
DP5644RR	Deltapine	60.8	67.1	61.3	63.1	42.1	57.8
HBK R5588	Hornbeck	56.9	56.1	62.7	58.6	41.8	54.4
NK S59-V6	NK	66.5	63.3	63.3	64.4	43.8	59.3
9492	Pioneer	50.4	51.0	56.3	52.6	29.9	46.9
95B53	Pioneer	64.7	69.8	62.2	65.5	47.8	61.1
SS RT557N	Southern States	54.0	62.0	63.0	59.6	46.2	56.3
TV5486RR	Terral	57.6	51.7	59.0	56.1	41.1	52.3
TV5666RR	Terral	54.3	55.1	59.5	56.3	41.3	52.5
USG 7547RR	USG	49.9	55.5	55.8	53.7	43.4	51.1
Overall Mean		57.3	58.4	60.4	58.7	40.6	54.2
LSD (.10)		3.5	4.5	3.8	2.3	3.4	1.9
Error degrees of freedom		60	60	60	180	60	240
CV (%)		7.7	9.8	7.9	8.5	10.6	8.9
R^2 (%)		81	81	79	81	93	91

[1]All are released varieties.

Table 25. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 1999, 2000, and 2001 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	MSU	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AG5701	Asgrow	66.7	65.8	68.5	67.0	46.0	61.7
AG5901	Asgrow	56.8	60.6	56.4	58.0	41.3	53.8
590RR	Croplan Genetics	64.2	57.9	61.3	61.1	42.9	56.6
Delta Grow 5950RR	Delta Grow	62.6	58.9	58.9	60.1	44.0	56.1
DK5762RR	Delta King	62.8	57.8	61.1	60.6	39.7	55.3
DK5961RR	Delta King	59.1	52.1	55.2	55.5	35.7	50.5
DP5806RR	Deltapine	63.1	56.7	58.2	59.3	46.4	56.1
DP5915RR	Deltapine	56.6	64.6	63.4	61.5	48.9	58.4
H5999RR	Hartz	54.6	57.4	62.9	58.3	43.5	54.6
HBK R5920	Hornbeck	62.6	58.9	59.3	60.3	44.4	56.3
HBK R6020	Hornbeck	63.3	62.5	61.4	62.4	43.3	57.6
NK S59-V6	NK	67.2	64.4	64.1	65.2	43.2	59.7
SS RT587N	Southern States	56.6	54.6	55.7	55.7	40.4	51.8
Overall Mean		61.3	59.4	60.5	60.4	43.0	56.0
LSD (.10)		3.4	.9	2.9	1.8	4.7	1.8
Error degrees of freedom		72	72	72	216	72	288
CV (%)		7.2	6.2	6.2	6.5	14.0	8.1
R^2 (%)		83	85	92	88	82	91

[1]All are released varieties.

Location 1. MAFES Delta Branch, Stoneville

Location Summary

The field was in very good condition at planting. It was land planed after tillage in the fall. During early spring, the fields were burned down and planted under good soil moisture conditions. Soybeans emerged to a very good stand. Plentiful rainfall during the growing season, especially heavy rainfall in August, led to little difference between irrigated and nonirrigated yields.

Soil type . . . . . Sharkey clay
Soil pH 7.3
Soil fertility . . . . . P = H+, K = H+
Fertilizer added . . . . . None

Herbicide application . . . Burndown — Roundup Ultra @ 0.75 lb/A, Irrigated & Nonirrigated
Preemergence — Roundup Ready – Gramoxone Extra @ 0.94 lb/A, Irrigated & Nonirrigated
Conventional – Scepter 70DG @ .0125 lb/A + Dual Magnum @ 0.95 lb/A, Irrigated & Nonirrigated
Postemergence — Roundup Ready — Roundup Ultra Max @ 0.75 lb/A
Conventional – Storm @ 0.75 lb/A + Select @ 0.125 lb/A + .5% crop oil concentrate

Irrigation . . . . . June 19 & July 12
Planting date . . . . . Group III Irrigated — April 27; Group III Nonirrigated — April 11
Group IV & V Nonirrigated — April 11
Group IV, V, & VI Irrigated — April 30
Harvest date . . . . . Group III — August 17
Group IV Nonirrigated — September 10
Group IV Irrigated — September 18
Group V Early Nonirrigated — October 2
Group V Early Irrigated — October 3
Group V Late & Group VI — October 10

Table 26. Maturity Group IV Soybeans Planted April 30, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK 4891	Hornbeck	70.9	67.3	65.6	09/02	34	2
FFR 4900RR	FFR	—	—	51.6	09/19	33	2
TV4881	Terral	78.6	65.1	51.0	09/18	29	2
DP4748S	Deltapine	—	—	50.7	09/05	46	3
DK4711	Delta King	—	65.6	50.3	09/07	31	2
9511	Pioneer	72.9	61.5	48.6	09/21	47	2
DK4680	Delta King	67.3	53.9	48.3	09/09	32	2
Dixie 478	Dixie	68.3	68.0	45.7	09/17	36	2
Progeny 4910	Progeny	—	77.1	45.0	09/18	36	2
94B54	Pioneer	—	—	43.5	09/01	32	2
TV 4975	Terral	70.7	70.7	39.4	09/18	44	3
DT97-4290 (E)	Public	73.6	70.0	36.1	09/12	32	2
Overall Mean		71.8	66.8	47.6			
LSD (.10)		9.2	6.8	5.6			
Error degrees of freedom		—	—	16			
CV (%)		—	—	6.7			
R^2 (%)		—	—	84			

[1]Sharkey clay soil. (E) = Experimental.

Rainfall Summary

	Inches
April	3.99
May	5.06
June	2.77
July	3.16
August	8.47
September	3.02
October	3.94
Total	30.41

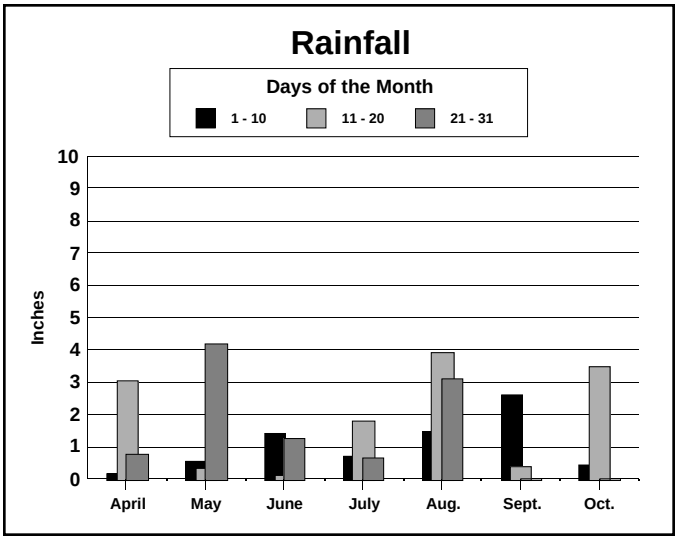

Table 27. Maturity Group IV Soybeans Planted April 11, 2001, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK4711	Delta King	—	13.8	50.2	08/27	29	2
TV4881	Terral	16.4	14.8	49.1	08/29	31	2
FFR 4900RR	FFR	—	—	49.0	09/08	23	2
HBK 4891	Hornbeck	16.8	18.3	48.2	08/24	28	2
DK4680	Delta King	11.8	12.7	47.7	08/30	28	2
DP4748S	Deltapine	—	20.2	47.1	08/29	34	2
4910	Progeny	—	17.3	47.0	08/30	31	2
9511	Pioneer	12.5	5.0	44.4	09/17	41	2
TV 4975	Terral	9.6	10.0	42.0	09/10	34	2
Dixie 478	Dixie	14.6	19.5	41.8	08/25	30	1
DT97-4290 (E)	Public	15.3	14.0	40.6	09/03	29	2
94B54	Pioneer	—	—	40.1	08/19	30	2
Overall Mean		13.9	14.6	45.6			
LSD (.10)		4.5	4.6	3.4			
Error degrees of freedom		—	—	22			
CV (%)		—	—	5.3			
R^2 (%)		—	—	79			

[1]Sharkey clay soil. (E) = Experimental.

Table 28. Maturity Group V Early Soybeans Planted April 30, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
95B33	Pioneer	70.5	54.1	64.8	09/14	28	1
TN96-58 (E)	Public	—	—	62.9	09/17	28	1
Armor 52-C2	Armor	—	—	62.8	09/13	26	1
Progeny 5600	Progeny	—	—	61.8	09/19	27	2
Progeny 5120N	Progeny	65.5	55.2	59.9	09/14	32	2
R96-209 (E)	Public	—	—	59.7	09/13	31	2
DK5850	Delta King	64.9	54.5	58.7	09/18	30	2
Hutcheson	Public	71.9	51.1	58.1	09/21	30	2
Delsoy 5500	Public	74.7	62.3	57.9	09/20	26	1
DP5110S	Deltapine	—	68.7	50.2	09/15	35	3
SS-5200-STS	Southern States	—	—	49.2	09/16	47	3
9511	Pioneer	72.0	56.4	48.5	09/13	44	2
Overall Mean		68.0	53.1	57.9			
LSD (.10)		5.2	9.0	4.8			
Error degrees of freedom		58	58	22			
CV (%)		5.6	12.4	5.9			
R^2 (%)		75	81	81			

[1]Sharkey clay soil. (E) = Experimental.

Table 29. Maturity Group V Late Soybeans Planted April 30, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
9594	Pioneer	76.4	73.7	65.7	09/27	32	2
HBK 5991	Hornbeck	—	—	64.8	09/25	31	1
Bolivar	Public	76.5	64.1	61.2	09/19	33	2
95B97	Pioneer	—	—	60.9	09/25	25	2
A5959	Asgrow	79.0	64.6	58.1	09/25	33	2
R95-2210 (E)	Public	69.7	64.1	57.7	09/23	34	2
DP5989	Deltapine	—	65.7	56.8	09/25	36	2
DK5995	Delta King	79.6	64.8	56.0	09/27	27	2
Caviness	Public	70.4	53.9	55.0	09/17	31	1
Hutcheson	Public	68.5	49.1	54.5	09/21	28	2
DT96-6840 (E)	Public	80.6	65.6	54.1	09/29	30	2
SS 597N	SS	69.1	60.0	53.5	09/29	37	2
UARK-5798	Public	73.1	61.5	53.3	09/22	34	3
HBK 5812	Hornbeck	—	—	52.7	09/30	38	2
TV5926	Terral	64.7	55.4	50.6	09/30	31	2
UARK-5896	Public	—	—	49.9	09/30	32	1
Overall Mean		71.0	59.0	56.6			
LSD (.10)		4.2	7.6	4.9			
Error degrees of freedom		68	66	30			
CV (%)		4.3	10.7	6.3			
R^2 (%)		80	95	73			

[1]Sharkey clay soil. (E) = Experimental.

Table 30. Maturity Group V Early Soybeans Planted April 11, 2001, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK5850	Delta King	—	—	57.6	09/21	30	1
Progeny 5600	Progeny	—	—	53.3	09/18	19	1
DP5110S	Deltapine	—	—	51.5	09/08	38	2
Hutcheson	Public	—	—	51.4	09/21	22	1
TN96-58	Public	—	—	51.0	09/20	24	1
Progeny 5120N	Progeny	—	—	50.7	09/20	25	1
Delsoy 5500	Public	—	—	49.7	0*/20	28	1
95B33	Pioneer	—	—	48.7	09/20	26	1
Armor 52-C2 (E)	Armor	—	—	48.6	09/15	21	1
R96-209 (E)	Public	—	—	48.3	09/18	23	1
9511	Pioneer	—	—	41.5	09/15	42	2
SS-5200-STS	Southern States	—	—	36.5	09/16	41	3
Overall Mean		—	—	49.1			
LSD (.10)		—	—	5.4			
Error degrees of freedom		—	—	22			
CV (%)		—	—	7.9			
R^2 (%)		—	—	75			

[1]Sharkey clay soil. (E) = Experimental.
[2]No 2- or 3-year yields.

Table 31. Maturity Group V Late Soybeans Planted April 11, 2001, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
9594	Pioneer	—	—	53.7	09/22	22	2
UARK-5798	Public	—	—	52.7	09/23	22	1
Bolivar	Public	—	—	50.1	09/19	28	2
UARK-5896	Public	—	—	49.6	09/23	20	1
R95-2210 (E)	Public	—	—	49.2	09/21	26	1
DT96-6840 (E)	Public	—	—	49.2	09/22	27	1
TV5926	Terral	—	—	49.1	09/24	20	1
HBK 5991	Hornbeck	—	—	48.7	09/22	18	1
Hutcheson	Public	—	—	48.6	09/16	17	1
DP5989	Deltapine	—	—	47.7	09/24	36	3
DK5995	Delta King	—	—	47.1	09/24	23	1
A5959	Asgrow	—	—	47.0	09/23	23	1
95B97	Pioneer	—	—	46.8	09/22	22	1
Caviness	Public	—	—	46.8	09/20	17	1
SS 597N	SS	—	—	44.4	09/23	26	1
HBK 5812	Hornbeck	—	—	39.1	09/23	34	2
Overall Mean		—	—	48.1			
LSD (.10)		—	—	5.1			
Error degrees of freedom		—	—	30			
CV (%)		—	—	7.6			
R^2 (%)		—	—	57			

[1]Sharkey clay soil. (E) = Experimental.
[2]No 2- or 3-year yields.

Table 32. Maturity Group VI Soybeans Planted April 30, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
R92-1258 (E)	Public	—	58.8	48.7	10/05	36	1
Dillon	Public	—	62.0	46.9	10/06	36	1
SANTEE	Public	—	50.6	37.3	10/08	35	2
Overall Mean		—	56.7	44.3			
LSD (.10)		—	5.2	4.4			
Error degrees of freedom		—	16	4			
CV (%)		—	6.5	5.8			
R^2 (%)		—	88	90			

[1]Sharkey clay soil. (E) = Experimental.
[2]Not planted in 1999.

Table 33. Roundup Ready Maturity Group III Soybeans Planted April 27, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 3968RR	Delta King	—	—	64.1	08/16	22	1
DK 3964RR	Delta King	—	—	63.7	08/14	35	2
AG3702	Asgrow	—	—	61.5	08/12	28	1
RC3866 (E)	Croplan Genetics	—	—	60.3	08/10	24	1
AG3701	Asgrow	—	—	55.6	08/10	24	1
AG3903	Asgrow	—	—	54.5	08/17	28	1
HBK SB3980R	Hornbeck	—	—	51.7	08/12	27	1
AG3902	Asgrow	—	—	51.3	08/13	26	2
DK 3961RR	Delta King	—	—	50.4	08/13	30	2
DK 3862RR	Delta King	—	—	49.3	08/13	27	1
HX38-92955 (E)	Hartz	—	—	45.1	08/13	27	1
Overall Mean		—	—	55.2			
LSD (.10)		—	—	8.1			
Error degrees of freedom		—	—	20			
CV (%)		—	—	10.5			
R^2 (%)		—	—	65			

[1]Sharkey clay soil. (E) = Experimental.
[2]Not planted in 1999 and 2000.

Table 34. Roundup Ready Maturity Group III Soybeans Planted April 11, 2001, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
RC3866 (E)	Croplan Genetics	—	—	62.5	08/07	28	1
DK 3968RR	Delta King	—	—	62.0	08/07	26	1
AG3702	Asgrow	—	—	61.2	08/07	27	1
DK 3964RR	Delta King	—	—	59.0	08/07	34	3
DK 3961RR	Delta King	—	—	58.8	08/09	29	2
AG3701	Asgrow	—	—	57.5	08/08	23	1
HBK SB3980R	Hornbeck	—	—	56.3	08/07	27	1
AG3903	Asgrow	—	—	52.0	08/10	28	2
AG3902	Asgrow	—	—	51.6	08/07	28	2
DK 3862RR	Delta King	—	—	51.5	08/08	25	1
HX38-92955 (E)	Hartz	—	—	50.0	08/06	26	1
Overall Mean		—	—	56.6			
LSD (.10)		—	—	8.7			
Error degrees of freedom		—	—	20			
CV (%)		—	—	10.9			
R^2 (%)		—	—	52			

[1]Sharkey clay soil. (E) = Experimental.
[2]Not planted in 1999 and 2000.

Table 35. Roundup Ready Maturity Group IV Early Soybeans Planted April 30, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4403	Asgrow	—	67.7	57.4	08/24	32	1
DP4690RR	Deltapine	69.0	66.2	56.8	08/28	34	2
94B73	Pioneer	—	—	56.2	08/20	36	3
HBK R4820	Hornbeck	—	—	56.0	08/29	32	2
DK 4461RR	Delta King	—	—	55.7	08/25	35	2
4888RR	AgriPro/Garst	67.0	64.2	55.6	08/22	38	2
3443NRR	Dyna-Gro	—	—	53.9	08/28	35	2
Armor 47-G7	Armor	—	—	52.7	08/27	30	2
RC4444 (E)	Croplan Genetics	—	—	52.4	08/21	31	2
H4554RR	Hartz	—	—	52.2	08/27	30	2
3463NRR	Dyna-Gro	60.8	58.6	51.3	08/27	36	2
SS RT446N	SS	—	62.7	50.5	08/26	35	2
DPX4300RR (E)	Deltapine	—	—	50.5	08/20	32	3
4512RR/N	AgriPro/Garst	—	—	50.1	08/22	32	2
AG4702	Asgrow	62.6	60.9	49.8	08/25	34	1
4501RR/N	AgriPro/Garst	—	—	49.6	08/27	35	2
Armor 44-R4	Armor	—	—	49.0	08/23	31	1
AG4301	Asgrow	—	—	48.4	08/28	31	2
HX40-93038 (E)	Hartz	—	—	48.0	08/24	30	1
TS466RR	Croplan Genetics	56.2	60.8	47.7	08/25	38	2
S46-G2	NK	—	—	47.4	08/22	35	1
9480XRR (E)	M & D Gold	—	—	47.1	09/02	40	2
TV4589RR	Terral	55.1	58.6	46.9	08/20	30	2
HBK R4660	Hornbeck	59.2	64.5	45.9	08/22	33	1
DP4344RR	Deltapine	—	50.9	44.6	08/20	40	3
AG4602	Asgrow	64.5	59.1	43.5	08/24	33	2
9410XRR (E)	M & D Gold	—	—	43.2	08/20	30	3
94B23	Pioneer	—	—	43.0	08/25	33	1
RT4241 (E)	Croplan Genetics	—	—	42.9	08/28	36	2
HBK SB4310R	Hornbeck	—	—	42.3	08/27	35	3
3468NRR	Dyna-Gro	—	—	39.4	08/28	27	1
Overall Mean		61.1	59.9	49.4			
LSD (.10)		4.8	4.8	5.1			
Error degrees of freedom		40	28	60			
CV (%)		5.7	5.7	7.6			
R^2 (%)		72	78	75			

[1]Sharkey clay soil. (E) = Experimental.

Table 36. Roundup Ready Maturity Group IV Late Soybeans Planted April 30, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
H4994RR	Hartz	—	61.8	56.3	09/07	29	2
FFR 4900RR	FFR	—	—	54.8	09/19	35	2
AG4702	Asgrow	—	56.8	54.6	08/30	34	1
DK XTJ201RR (E)	Delta King	—	—	53.7	08/30	33	2
RC4995 (E)	Croplan Genetics	—	—	53.5	09/03	35	2
9492	Pioneer	58.8	58.8	52.8	08/31	32	1
TV4890RR	Terral	59.6	57.3	52.8	08/31	41	2
Progeny 4858RR	Progeny	—	—	52.4	08/31	36	2
DPX4885RR (E)	Deltapine	—	—	51.9	09/11	35	3
DK4868RR	Delta King	71.9	67.4	51.8	09/01	32	1
SG498RR	Deltapine	59.5	63.3	51.5	09/09	33	2
HBK R4920	Hornbeck	—	62.0	51.5	08/31	29	2
DG 4950RR	Delta Grow	—	—	51.3	09/03	33	2
YRC49 (E)	Croplan Genetics	—	—	51.3	09/18	20	1
Genesis A484RR	Genesis	—	—	51.2	09/02	35	2
DK XTJ184RR (E)	Delta King	—	—	51.1	09/01	38	2
USG 7489RR	USG	—	—	50.7	09/05	35	2
Morsoy RT4809	Morsoy	—	71.7	50.5	08/31	34	2
Genesis A504RR	Genesis	—	—	50.3	09/06	35	2
AG5001	Asgrow	—	—	50.2	09/04	36	2
3484NRR	Dyna-Gro	—	56.6	49.7	09/05	37	3
4803RR	Dixie	—	61.3	49.4	09/05	34	2
DK4965RR	Delta King	60.6	55.3	49.1	09/05	32	2
AG4902	Asgrow	61.4	53.0	48.1	08/30	30	1
SS RT4980	SS	—	63.3	47.3	08/31	30	2
DK 4763RR	Delta King	—	—	47.3	08/29	31	2
H4884RR	Hartz	—	60.0	46.9	08/30	36	2
DG 4850RR	Delta Grow	—	59.6	46.8	08/31	35	2
AG4602	Asgrow	—	—	46.5	08/31	29	3
V492NRR	Vigoro	—	—	46.0	09/01	42	2
RC 4848	Croplan Genetics	59.7	58.5	45.5	09/02	38	2
TV4886RR	Terral	—	60.2	45.1	08/31	38	2
ES Prairie RR	ES	—	53.6	44.9	09/19	49	3
DK4762RR	Delta King	55.9	52.5	43.8	09/04	35	2
B481RR	Genesis	—	—	43.2	08/31	32	2
HBK R5101	Hornbeck	—	—	40.2	09/06	41	2
S51-TI	NK	71.0	51.3	38.9	09/12	49	3
SS RT46704N	SS	—	56.6	26.0	09/10	44	3
Overall Mean		61.7	57.8	48.7			
LSD (.10)		8.7	4.9	5.1			
Error degrees of freedom		34	56	74			
CV (%)		10.2	6.2	7.7			
R^2 (%)		62	75	76			

[1]Sharkey clay soil. (E) = Experimental.

Table 37. Roundup Ready Maturity Group IV Early Soybeans Planted April 11, 2001, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
94B73	Pioneer	—	—	47.7	08/13	29	2
3443NRR	Dyna-Gro	—	—	46.4	08/12	27	2
Armor 47-G7	Armor	—	—	46.2	08/13	28	2
AG4702	Asgrow	19.6	15.7	43.6	08/19	33	2
HBK R4820	Hornbeck	—	—	43.4	08/20	29	2
DP4690RR	Deltapine	13.6	11.6	42.7	08/21	29	2
RC4444 (E)	Croplan Genetics	—	—	42.2	08/16	30	2
3463NRR	Dyna-Gro	19.6	19.2	41.8	08/15	34	2
AG4403	Asgrow	—	16.3	41.4	08/14	30	2
4888RR	AgriPro/Garst	9.6	10.6	40.3	08/16	33	2
DK 4461RR	Delta King	—	—	40.2	08/10	26	2
9480XRR (E)	M & D Gold	—	—	40.0	08/24	38	2
AG4602	Asgrow	19.7	18.7	38.9	08/16	29	2
4512RR/N	AgriPro/Garst	—	—	38.3	08/13	31	2
Armor 44-R4	Armor	—	—	37.9	08/16	28	2
HBK R4660	Hornbeck	16.6	15.9	37.8	08/16	35	2
SS RT446N	SS	—	19.8	37.6	08/15	34	2
S46-G2	NK	—	—	36.5	08/13	34	2
TV4589RR	Terral	20.6	18.2	36.1	08/15	33	2
3468NRR	Dyna-Gro	—	—	34.5	08/16	27	2
DPX4300RR (E)	Deltapine	—	—	34.4	08/12	28	2
TS466RR	Croplan Genetics	16.5	15.1	33.0	08/17	37	2
H4554RR	Hartz	—	—	32.1	08/13	29	2
DP4344RR	Deltapine	—	16.3	31.3	08/13	41	3
HX40-93038 (E)	Hartz	—	—	31.1	08/16	31	2
RT4241 (E)	Croplan Genetics	—	—	31.1	08/12	32	2
HBK SB4310R	Hornbeck	—	—	31.1	08/14	33	2
94B23	Pioneer	—	—	30.8	08/10	26	2
AG4301	Asgrow	—	—	28.7	08/15	26	2
4501RR/N	AgriPro/Garst	—	—	27.4	08/15	29	2
9410XRR (E)	M & D Gold	—	—	26.6	08/13	32	2
Overall Mean		15.5	15.7	37.1			
LSD (.10)		3.6	4.2	8.0			
Error degrees of freedom		40	28	60			
CV (%)		16.8	19.2	15.8			
R^2 (%)		78	74	63			

[1]Sharkey clay soil. (E) = Experimental.

Table 38. Roundup Ready Maturity Group IV Late Soybeans Planted April 11, 2001, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5001	Asgrow	—	—	51.6	08/21	32	2
H4994RR	Hartz	—	15.6	48.5	08/27	29	2
Genesis A484RR	Genesis	—	—	48.5	08/19	35	2
DK4965RR	Delta King	15.0	13.5	48.1	08/23	30	2
DK4762RR	Delta King	14.1	14.6	48.1	08/24	39	2
DG 4850RR	Delta Grow	—	12.7	47.9	08/25	33	2
AG4902	Asgrow	13.3	17.0	47.4	08/24	30	2
SG498RR	Deltapine	11.1	12.6	46.8	08/21	27	2
RC 4848	Croplan Genetics	15.8	16.5	46.3	08/21	32	2
Progeny 4858RR	Progeny	—	—	45.9	08/24	33	2
9492	Pioneer	17.9	19.0	45.8	08/20	31	2
DK STJ201RR	Delta King	—	—	45.5	08/20	29	2
DK XTJ184RR (E)	Delta King	—	—	45.3	08/24	30	2
H4884RR	Hartz	—	15.6	45.2	08/24	29	2
YRC49 (E)	Croplan Genetics	—	—	45.0	09/05	21	2
DK4868RR	Delta King	14.2	16.9	44.4	08/15	28	2
DPX4885RR (E)	Deltapine	—	—	44.2	08/15	33	2
TV4886RR	Terral	—	13.7	43.8	08/24	36	2
ES Prairie RR	ES	—	2.8	43.1	08/25	34	3
3484NRR	Dyna-Gro	—	14.6	42.8	08/16	32	2
HBK R4920	Hornbeck	—	12.7	42.8	08/17	31	2
DG 4950RR	Delta Grow	—	—	42.6	08/18	33	2
AG4702	Asgrow	—	19.8	42.5	08/19	29	2
B481RR	Genesis	—	—	42.0	08/15	31	2
FFR 4900RR	FFR	—	—	41.6	09/01	31	2
USG 7489RR	USG	—	—	40.4	08/15	33	2
DK 4763RR	Delta King	—	—	40.3	08/18	27	2
V492NRR	Vigoro	—	—	40.0	08/21	35	3
HBK R5101	Hornbeck	—	—	39.7	08/26	38	2
Genesis A504RR	Genesis	—	—	38.5	08/21	34	2
SS RT4980	SS	—	12.8	38.4	08/15	33	2
AG4602	Asgrow	—	—	38.3	08/16	28	2
Morsoy RT4809	Morsoy	—	13.7	37.2	08/15	27	2
4803RR	Dixie	—	13.2	36.8	08/15	31	2
RC4995 (E)	Croplan Genetics	—	—	35.5	08/15	30	2
TV4890RR	Terral	16.4	15.4	33.4	08/18	35	2
S51-TI	NK	7.0	5.8	32.0	09/18	47	3
SS RT46704N	SS	—	—	29.8	08/21	38	2
Overall Mean		12.9	13.8	42.5			
LSD (.10)		3.2	3.1	8.0			
Error degrees of freedom		34	56	74			
CV (%)		17.8	16.6	13.8			
R^2 (%)		83	85	54			

[1]Sharkey clay soil. (E) = Experimental.

Table 39. Roundup Ready Maturity Group V Early Soybeans Planted April 30, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
95B53	Pioneer	71.6	53.6	61.2	09/18	32	2
DK XTJ202RR (E)	Delta King	—	—	59.7	09/22	37	2
HBK R5588	Hornbeck	66.6	62.1	59.5	09/19	34	2
DK 5366RR	Delta King	—	71.7	58.6	09/19	31	3
USG 7547RR	USG	62.4	46.7	58.3	09/18	29	1
AG5501	Asgrow	—	56.4	57.2	09/20	36	1
SS RT557N	SS	70.2	61.6	57.0	09/20	32	2
TVX54R001 (E)	Terral	—	—	56.9	09/24	29	1
RT5110N	Morsoy	—	—	56.8	09/20	32	1
Progeny 5415RR	Progeny	—	—	56.7	09/24	33	1
TVX5R400 (E)	Terral	—	—	56.0	09/21	31	1
SS RT517N	SS	62.9	60.0	55.8	09/18	31	2
RC5454 (E)	Croplan Genetics	—	—	55.8	09/21	27	1
B544RR	Genesis	—	—	55.5	09/24	32	1
HBK R5420	Hornbeck	—	—	55.5	09/24	32	1
RC5252 (E)	Croplan Genetics	—	—	55.4	09/20	32	1
DK5661RR	Delta King	72.4	65.7	55.4	09/24	35	2
TVX56R001 (E)	Terral	—	—	55.3	09/30	38	2
TVX5R600 (E)	Terral	—	—	55.3	09/30	33	2
3518NRR	Dyna-Gro	—	—	55.0	09/17	36	2
ES Ranger RR	ES	—	58.1	54.7	09/18	25	1
V562NRR	Vigoro	—	—	54.6	09/30	38	3
3535NRR	Dyna-Gro	—	66.9	54.5	09/21	35	2
HBK R5620	Hornbeck	—	—	54.3	09/26	35	2
95B32	Pioneer	—	61.0	54.2	09/15	29	1
9492	Pioneer	60.9	54.1	54.1	09/13	35	1
3562NRR	Dyna-Gro	—	71.1	54.1	09/22	30	2
TV5486RR	Terral	67.4	55.4	54.0	09/19	43	3
3543NRR	Dyna-Gro	—	—	53.7	09/21	33	1
DK XTJ203RR (E)	Delta King	—	—	53.6	09/21	31	1
DK XTJ205RR (E)	Delta King	—	—	53.5	09/19	34	2
DK 5668RR	Delta King	—	72.4	53.2	09/23	31	2
YRC56 (E)	Croplan Genetics	—	—	53.1	09/19	30	2
AG5603	Asgrow	—	—	53.1	09/21	28	1
ES Punch RR	ES	—	60.6	53.0	09/19	36	2
AG5001	Asgrow	67.3	58.5	53.0	09/16	34	3
TV 5666RR	Terral	66.6	58.8	53.0	09/20	35	2
SS-RT 5001N	Southern States	—	—	52.8	09/19	35	2
DG 5630RR	Delta Grow	—	64.2	52.8	09/26	33	2
540nRR	USG	—	66.7	52.8	09/22	30	1
DG 5250RR	Delta Grow	—	—	52.7	09/15	34	1
H5231RR	Hartz	—	60.7	52.3	09/20	31	1
S59-V6RR	NK	73.5	64.3	52.1	09/26	32	2
AG5701	Asgrow	—	65.3	52.0	09/26	33	2
Progeny 5660RR	Progeny	—	—	51.8	10/01	34	3
5512RR/N	AgriPro/Garst	—	—	51.8	09/26	31	1
AG5602	Asgrow	72.3	62.3	51.5	09/22	32	1
TV52R42	Terral	—	62.3	51.4	09/18	30	2
DK 5465RR	Delta King	—	61.1	51.3	09/19	33	1
DG 5450RR	Delta Grow	—	—	50.9	09/26	31	1
B531RR	Genesis	—	—	50.7	09/15	32	1
DK XTJ204RR (E)	Delta King	—	—	50.7	09/22	34	2
9551XRR (E)	M & D Gold	—	—	50.3	09/19	43	3
YRC51 (E)	Croplan Genetics	—	—	50.1	09/15	34	1
DP5644 RR	Deltapine	67.8	66.3	49.8	09/21	29	2
DP5414RR	Deltapine	—	65.3	49.7	09/20	39	2
Armor 54-Z4	Armor	—	—	49.1	09/21	32	1
Armor 53-K3	Armor	—	—	48.5	09/19	31	1
Delta Grow 5600RR	Delta Grow	—	—	43.1	09/17	31	2
Overall Mean		65.6	59.9	53.7			
LSD (.10)		4.0	7.5	6.7			
Error degrees of freedom		62	82	116			
CV (%)		4.5	9.3	9.2			
R^2 (%)		73	67	37			

[1]Sharkey clay soil. (E) = Experimental.

Table 40. Roundup Ready Maturity Group V Late Soybeans Planted April 30, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
95B96	Pioneer	—	—	59.4	09/29	35	2
H5885RR	Hartz	—	68.0	56.8	09/30	34	2
AG5701	Asgrow	75.5	73.2	56.7	09/30	37	2
TVX58R001 (E)	Terral	—	—	55.9	09/30	35	3
DP5915RR	Deltapine	71.3	64.1	55.0	09/30	33	2
SS RT 5999N	SS	—	69.6	54.4	09/30	39	2
USG 7585nRR	USG	—	—	52.4	09/28	35	1
USG EXP 570 (E)	USG	—	—	52.1	10/01	36	2
YRC58 (E)	Croplan Genetics	—	—	51.7	09/28	37	2
S58-R3	NK	—	—	51.4	09/27	31	1
Armor 56-J6	Armor	—	—	51.2	10/01	32	2
S59-V6RR	NK	70.7	70.5	51.1	09/28	31	2
TVX5R900 (E)	Terral	—	—	51.1	09/27	36	2
HBK R5820	Hornbeck	—	—	51.0	09/26	37	1
Armor 59-B9	Armor	—	—	50.9	09/30	40	2
TVX5R800 (E)	Terral	—	—	50.6	09/25	36	2
TV59R85	Terral	—	66.9	50.2	10/01	39	1
Progeny 5900RR	Progeny	—	65.8	50.1	10/01	37	2
590RR	Croplan Genetics	70.4	63.7	49.9	09/30	40	2
TV59R98	Terral	—	—	48.8	09/30	36	2
3582NRR	Dyna-Gro	—	64.2	48.6	09/29	41	2
SS RT587N	SS	64.9	53.7	48.6	10/01	37	1
DK5762RR	Delta King	71.0	63.7	48.6	10/04	37	2
AG 5901	Asgrow	65.6	56.5	47.3	09/26	34	1
H5999RR	Hartz	72.3	70.4	46.1	09/30	35	2
DG 5950RR	Delta Grow	71.6	59.2	45.7	09/30	37	1
HBK R5920	Hornbeck	70.8	61.3	45.7	10/02	40	1
DP5806 RR	Deltapine	64.3	64.9	45.2	09/27	33	2
HBK R6020	Hornbeck	74.7	64.2	45.2	10/02	43	2
ES Trooper RR	ES	—	55.5	44.8	09/30	28	1
AG5902	Asgrow	—	68.8	44.1	10/01	33	1
YRC57 (E)	Croplan Genetics	—	—	44.1	09/27	34	2
DK5961RR	Delta King	65.8	59.2	40.5	10/03	35	1
ES Marshal RR	ES	—	58.0	37.8	09/28	32	1
Overall Mean		67.4	62.5	49.5			
LSD (.10)		4.0	6.4	4.0			
Error degrees of freedom		60	74	66			
CV (%)		4.3	7.6	5.9			
R^2 (%)		81	74	80			

[1]Sharkey clay soil. (E) = Experimental.

Table 41. Roundup Ready Maturity Group V Early Soybeans Planted April 11, 2001, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
95B32	Pioneer	—	—	47.7	09/17	25	1
SS RT557N	SS	—	—	46.3	09/19	31	2
USG 7547RR	USG	—	—	45.8	09/20	29	2
TV 5666RR	Terral	—	—	45.3	09/17	32	3
SS-RT 5001N	Southern States	—	—	44.1	09/11	27	2
AG5701	Asgrow	—	—	43.8	09/23	30	2
HBK R5588	Hornbeck	—	—	43.6	09/20	32	2
DK5661RR	Delta King	—	—	43.6	09/20	31	2
DK XTJ202RR (E)	Delta King	—	—	42.8	09/24	35	2
95B53	Pioneer	—	—	42.7	09/21	30	2
DK 5366RR	Delta King	—	—	42.6	09/22	31	2
Armor 54-Z4	Armor	—	—	42.0	09/19	28	1
5512RR/N	AgriPro/Garst	—	—	41.4	09/19	24	1
AG5501	Asgrow	—	—	41.1	09/23	29	2
540nRR	USG	—	—	41.0	09/20	25	1
DK 5668RR	Delta King	—	—	41.0	09/20	28	2
DP5414RR	Deltapine	—	—	40.8	09/18	38	3
ES Ranger RR	ES	—	—	40.7	09/10	20	1
DK XTJ203RR (E)	Delta King	—	—	40.5	09/15	26	1
DK XTJ205RR (E)	Delta King	—	—	40.3	09/23	28	3
YRC51 (E)	Croplan Genetics	—	—	40.3	09/06	29	2
Progeny 5415RR	Progeny	—	—	40.3	09/18	23	1
3562NRR	Dyna-Gro	—	—	40.1	09/22	26	2
RC5454 (E)	Croplan Genetics	—	—	40.0	09/18	28	1
SS RT517N	SS	—	—	39.7	09/07	30	2
TVX56R001 (E)	Terral	—	—	39.7	09/13	33	2
DK XTJ204RR (E)	Delta King	—	—	39.4	09/23	31	2
HBK R5420	Hornbeck	—	—	39.0	09/20	24	1
DG 5450RR	Delta Grow	—	—	38.8	09/23	26	1
DG 5250RR	Delta Grow	—	—	38.7	09/17	28	1
B544RR	Genesis	—	—	38.5	09/20	27	1
S59-V6RR	NK	—	—	38.3	09/19	28	2
RT5110N	Morsoy	—	—	38.2	09/17	31	1
TV52R42	Terral	—	—	38.2	09/15	29	2
TVX5R400 (E)	Terral	—	—	38.2	09/17	29	1
TVX54R001 (E)	Terral	—	—	38.1	09/20	30	1
DK 5465RR	Delta King	—	—	38.0	09/21	28	1
HBK R5620	Hornbeck	—	—	37.6	09/24	32	2
B531RR	Genesis	—	—	37.4	09/10	25	1
Armor 53-K3	Armor	—	—	37.3	09/15	24	1
Delta Grow 5600RR	Delta Grow	—	—	37.1	09/16	24	1
YRC56 (E)	Croplan Genetics	—	—	37.0	09/07	26	1
3518NRR	Dyna-Gro	—	—	36.9	09/15	32	3
Progeny 5660RR	Progeny	—	—	36.3	09/25	32	2
DG 5630RR	Delta Grow	—	—	36.2	09/24	31	2
V562NRR	Vigoro	—	—	36.1	09/24	30	2
AG5603	Asgrow	—	—	36.1	09/17	22	1
TVX5R600 (E)	Terral	—	—	36.1	09/24	33	2
RC5252 (E)	Croplan Genetics	—	—	35.9	09/18	31	2
3535NRR	Dyna-Gro	—	—	35.6	09/22	32	3
DP5644 RR	Deltapine	—	—	34.9	09/20	28	3
AG5602	Asgrow	—	—	34.8	09/18	27	1
3543NRR	Dyna-Gro	—	—	34.7	09/21	24	1
ES Punch RR	ES	—	—	34.3	09/17	30	1
AG5001	Asgrow	—	—	34.0	09/05	34	2
9551XRR (E)	M & D Gold	—	—	33.7	09/06	43	2
9492	Pioneer	—	—	33.3	09/06	32	1
H5231RR	Hartz	—	—	33.1	09/20	27	1
TV5486RR	Terral	—	—	27.2	09/21	42	3
Overall Mean		—	—	38.9			
LSD (.10)		—	—	4.6			
Error degrees of freedom		—	—	116			
CV (%)		—	—	8.7			
R^2 (%)		—	—	65			

[1]Sharkey clay soil. (E) = Experimental.
[2]No 2- or 3-year yields.

Table 42. Roundup Ready Maturity Group V Late Soybeans Planted April 11, 2001, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
SS RT 5999N	SS	—	—	47.5	09/28	37	2
SS RT587N	SS	—	—	47.3	09/29	32	2
TVX5R800 (E)	Terral	—	—	45.4	10/01	31	2
H5885RR	Hartz	—	—	45.3	09/28	28	2
95B96	Pioneer	—	—	44.7	10/03	31	2
S59-V6RR	NK	—	—	44.4	09/28	28	2
DP5915RR	Deltapine	—	—	44.2	10/02	32	2
TV59R98	Terral	—	—	44.2	09/30	30	2
TVX58R001 (E)	Terral	—	—	43.2	10/01	29	2
USG 7585nRR	USG	—	—	43.1	09/29	32	2
Armor 56-J6	Armor	—	—	42.2	10/03	31	2
AG5701	Asgrow	—	—	42.1	09/30	28	2
USG EXP 570 (E)	USG	—	—	41.6	09/30	34	2
HBK R5920	Hornbeck	—	—	41.4	10/01	32	2
Progeny 5900RR	Progeny	—	—	41.2	09/30	36	2
AG 5901	Asgrow	—	—	41.1	09/27	30	1
Armor 59-B9	Armor	—	—	40.9	09/27	36	2
TVX5R900 (E)	Terral	—	—	40.9	09/26	34	2
3582NRR	Dyna-Gro	—	—	40.1	09/30	37	2
S58-R3	NK	—	—	39.6	09/30	29	1
YRC58 (E)	Croplan Genetics	—	—	39.4	09/30	31	2
HBK R5820	Hornbeck	—	—	39.1	09/25	35	1
DP5806 RR	Deltapine	—	—	38.4	10/01	25	2
HBK R6020	Hornbeck	—	—	38.1	10/01	40	2
ES Trooper RR	ES	—	—	37.9	09/26	29	1
YRC57 (E)	Croplan Genetics	—	—	37.9	09/27	26	1
AG5902	Asgrow	—	—	36.9	10/01	29	1
DK5762RR	Delta King	—	—	36.4	09/30	28	2
TV59R85	Terral	—	—	36.4	09/30	35	2
590RR	Croplan Genetics	—	—	35.9	09/30	30	2
DG 5950RR	Delta Grow	—	—	35.8	10/02	35	2
ES Marshal RR	ES	—	—	32.2	09/27	27	1
DK5961RR	Delta King	—	—	32.0	10/01	29	1
H5999RR	Hartz	—	—	31.4	10/03	30	2
Overall Mean		—	—	40.3			
LSD (.10)		—	—	4.4			
Error degrees of freedom		—	—	66			
CV (%)		—	—	8.0			
R^2 (%)		—	—	75			

[1]Sharkey clay soil. (E) = Experimental.
[2]No 2- or 3-year yields.

Table 43. Roundup Ready Maturity Group VI Soybeans Planted April 30, 2001, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[3]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
V602NRR	Vigoro	—	—	45.9	10/04	38	1
AG6201	Asgrow	—	65.5	42.2	10/10	33	1
XR0162N44 (E)	AgriPro/Garst	—	—	40.8	10/04	36	2
6612RR/N	AgriPro/Garst	—	—	36.7	10/08	34	1
AG6101	Asgrow	—	66.6	35.3	10/01	41	1
TS6299RR (E)	Croplan Genetics	—	58.2	30.5	09/30	38	1
Overall Mean		—	—	38.6			
LSD (.10)		—	—	6.0			
Error degrees of freedom		—	—	10			
CV (%)		—	—	10.4			
R^2 (%)		—	—	75			

[1]Sharkey clay soil. (E) = Experimental.
[2]Not planted in 1999.
[3]Planted in Group VL Irrigated in 2000.

Location 2. Dulaney Farms, Inc., Clarksdale

Location Summary

During the first 2 weeks of May, the test plots were too dry to allow planting. After adequate rains, the variety trials were planted May 23. An accumulation of 7 to 8 inches of rain fell during the next 5 to 6 days, and complete stand failure occurred. The variety trials were replanted June 13, and a stand was established within 7 days. Growing conditions were excellent during the season, and only two irrigations were required. Disease and insect pressure were minimal.

Soil type . . . . . Sharkey clay
Soil pH 6.8
Soil fertility . . . . . P = H, K = H+
Fertilizer added . . . . . None

Herbicide application . . . Preemergence — Conventional – Scepter @ 0.125 lb/A + Dual Magnum @ 0.95 lb/A + Gramoxone Extra @ 0.94 lb/A
Postemergence — Conventional – First Rate @ 0.25 oz/A + Select @ 0.125 lb/A + 1.2% crop oil concentrate
First Rate @ 0.25 oz/A + 1.2% crop oil concentrate
Preemergence — Roundup Ready – Gramoxone Extra @ 0.94 lb/A
Postemergence — Roundup Ready – Roundup Ultra Max @ 0.75 lb/A (2 applications)

Irrigation . . . . . July 25, August 22, & September 18
Planting date . . . . . Group III — April 21
Group IV & V — May 23 (Replanted June 13)
Harvest date . . . . . Group III — August 21
Group IV & V — October 22

Table 44. Maturity Group IV Soybeans Planted June 13, 2001 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK 4891	Hornbeck	65.6	68.9	66.7	10/04	36	1
Dixie 478	Dixie	69.4	73.6	66.5	10/05	35	1
TV 4975	Terral	70.2	70.7	64.5	10/08	51	2
TV4881	Terral	56.7	67.3	63.7	10/04	36	1
DK4680	Delta King	61.9	63.8	62.2	10/08	34	1
Progeny 4910	Progeny	—	76.6	62.1	10/08	40	1
DK4711	Delta King	—	70.2	60.9	10/04	34	1
DP4748S	Deltapine	—	—	60.2	10/04	44	3
DT97-4290 (E)	Public	70.5	72.0	57.4	10/05	32	2
94B54	Pioneer	—	—	57.2	10/04	34	1
9511	Pioneer	65.0	66.8	52.5	10/08	33	1
FFR 4900RR	FFR	—	—	48.8	10/05	38	1
Overall Mean		65.6	70.1	60.2			
LSD (.10)		5.7	7.3	4.8			
Error degrees of freedom		—	—	22			
CV (%)		—	—	5.6			
R^2 (%)		—	—	80			

[1]Sharkey clay soil. (E) = Experimental.

Rainfall Summary

	Inches
April	0
May	5.14
June	3.29
July	2.66
August	3.57
September	0.46
October	3.15
Total	18.27

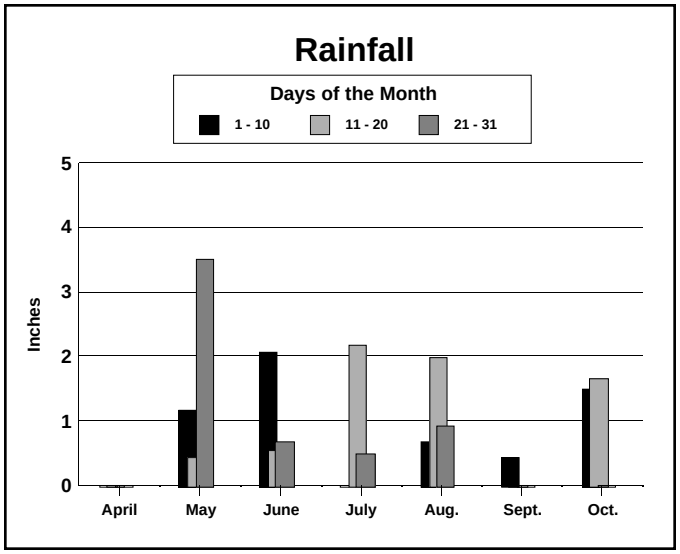

Table 45. Maturity Group V Early Soybeans Planted June 13, 2001 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor 52-C2	Armor	—	—	59.7	10/12	28	1
SS-5200-STS	Southern States	—	—	59.3	10/08	39	2
TN96-58 (E)	Public	—	—	59.2	10/12	28	1
Progeny 5600	Progeny	—	—	58.6	10/08	28	1
DK5850	Delta King	65.3	67.2	57.4	10/08	37	1
Hutcheson	Public	67.1	62.1	56.5	10/10	26	1
DP5110S	Deltapine	—	—	56.0	10/08	43	2
Delsoy 5500	Public	66.6	63.9	55.7	10/08	32	1
95B33	Pioneer	53.3	64.2	51.6	10/08	26	1
R96-209 (E)	Public	—	—	50.8	10/10	35	1
Progeny 5120N	Progeny	57.1	61.3	50.3	10/10	32	1
9511	Pioneer	60.5	55.0	46.4	10/08	34	1
Overall Mean		60.3	62.1	55.1			
LSD (.10)		6.7	6.2	6.2			
Error degrees of freedom		58	58	22			
CV (%)		8.2	7.4	8.0			
R^2 (%)		74	62	59			

[1]Sharkey clay soil. (E) = Experimental.

Table 46. Maturity Group V Late Soybeans Planted June 13, 2001 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
9594	Pioneer	77.3	71.6	61.9	10/12	28	1
DP5989	Deltapine	—	62.0	60.9	10/18	35	2
95B97	Pioneer	—	—	60.6	10/12	31	1
DK5995	Delta King	75.8	69.0	60.4	10/12	27	1
R95-2210 (E)	Public	67.5	64.1	58.7	10/12	31	1
SS 597N	SS	62.5	62.0	57.5	10/15	37	1
UARK-5798	Public	64.5	67.4	56.6	10/12	33	1
Caviness	Public	64.4	59.3	56.3	10/08	38	1
HBK 5812	Hornbeck	—	—	56.1	10/12	44	2
TV5926	Terral	63.7	60.1	55.6	10/15	35	1
A5959	Asgrow	73.1	75.0	55.5	10/12	32	1
HBK 5991	Hornbeck	—	—	55.5	10/12	33	1
DT96-6840 (E)	Public	71.3	65.7	55.0	10/10	31	1
Hutcheson	Public	66.4	56.2	55.0	10/10	26	1
Bolivar	Public	65.6	59.0	52.7	10/10	38	1
UARK-5896	Public	—	—	51.5	10/10	37	1
Overall Mean		65.9	63.4	56.9			
LSD (.10)		5.8	6.8	4.5			
Error degrees of freedom		70	58	30			
CV (%)		6.5	7.9	5.7			
R^2 (%)		77	67	56			

[1]Sharkey clay soil. (E) = Experimental.

Table 47. Roundup Ready Maturity Group III Soybeans Planted April 21 , 2001, and Not Irrigated at Gerald Lively Farm (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
AG3701	Asgrow	—	—	54.5	08/11	25	1
DK 3968RR	Delta King	—	—	51.3	08/12	24	1
AG3902	Asgrow	—	—	50.6	08/10	26	2
AG3702	Asgrow	—	—	50.5	08/09	26	1
RC3866 (E)	Croplan Genetics	—	—	49.4	08/12	26	1
DK 3961RR	Delta King	—	—	49.1	08/15	35	2
DK 3862RR	Delta King	—	—	48.3	08/14	27	1
HBK SB3980R	Hornbeck	—	—	48.3	08/10	26	1
DK 3964RR	Delta King	—	—	45.5	08/12	31	2
HX38-92955 (E)	Hartz	—	—	42.5	08/08	26	1
AG3903	Asgrow	—	—	42.4	08/11	27	1
Overall Mean		—	—	48.4			
LSD (.10)		—	—	6.9			
Error degrees of freedom		—	—	20			
CV (%)		—	—	10.1			
R^2 (%)		—	—	49			

[1]Sharkey clay soil. (E) = Experimental.
[2]Not planted in 1999 and 2000.

Table 48. Roundup Ready Maturity Group IV Early Soybeans Planted June 13, 2001 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4820	Hornbeck	—	—	65.4	10/04	32	1
AG4403	Asgrow	—	72.7	64.5	10/01	35	1
4888RR	AgriPro/Garst	54.0	70.5	63.3	10/05	36	2
Armor 47-G7	Armor	—	—	62.7	10/04	36	1
RC4444 (E)	Croplan Genetics	—	—	60.8	10/01	32	1
3443NRR	Dyna-Gro	—	—	60.5	10/03	32	1
4501RR/N	AgriPro/Garst	—	—	59.8	10/04	36	2
DPX4300RR (E)	Deltapine	—	—	59.6	10/01	34	1
DP4690RR	Deltapine	59.0	76.4	59.0	10/12	34	1
94B73	Pioneer	—	—	59.0	10/01	33	1
DP4344RR	Deltapine	—	63.7	57.6	09/29	38	3
4512RR/N	AgriPro/Garst	—	—	57.6	10/03	36	1
TV4589RR	Terral	48.9	60.4	57.0	10/01	38	2
HBK SB4310R	Hornbeck	—	—	56.6	10/01	36	2
DK 4461RR	Delta King	—	—	56.6	10/01	35	1
AG4301	Asgrow	—	—	56.4	10/04	35	1
Armor 44-R4	Armor	—	—	56.3	10/03	32	1
AG4602	Asgrow	49.9	70.6	56.1	10/03	36	1
RT4241 (E)	Croplan Genetics	—	—	56.1	10/01	31	2
SS RT446N	SS	—	64.3	56.0	09/29	36	2
H4554RR	Hartz	—	—	55.4	10/03	33	2
9410XRR (E)	M & D Gold	—	—	55.3	10/01	34	1
HX40-93038 (E)	Hartz	—	—	55.1	10/04	32	1
S46-G2	NK	—	—	53.8	09/29	35	1
AG4702	Asgrow	43.6	66.1	53.0	10/04	33	1
94B23	Pioneer	—	—	52.6	10/01	31	1
TS466RR	Croplan Genetics	45.1	57.8	51.5	09/29	40	2
3468NRR	Dyna-Gro	—	—	51.1	10/08	29	1
3463NRR	Dyna-Gro	49.6	58.2	49.6	09/29	43	2
HBK R4660	Hornbeck	43.2	60.0	48.8	10/01	41	2
9480XRR (E)	M & D Gold	—	—	34.5	10/12	36	1
Overall Mean		49.3	64.2	56.2			
LSD (.10)		8.9	6.8	4.2			
Error degrees of freedom		40	28	60			
CV (%)		13.2	7.7	5.5			
R^2 (%)		63	83	84			

[1]Sharkey clay soil. (E) = Experimental.

Table 49. Roundup Ready Maturity Group IV Late Soybeans Planted June 13, 2001 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ201RR (E)	Delta King	—	—	64.0	10/04	34	1
HBK R4920	Hornbeck	—	72.6	62.3	10/05	35	2
AG5001	Asgrow	—	—	62.1	10/08	36	1
DK4868RR	Delta King	68.0	78.6	61.1	10/05	34	1
USG 7489RR	USG	—	—	60.3	10/04	36	2
DG 4950RR	Delta Grow	—	—	60.0	10/05	39	1
DPX4885RR (E)	Deltapine	—	—	59.4	10/05	38	2
DK 4763RR	Delta King	—	—	58.5	10/04	34	1
YRC49 (E)	Croplan Genetics	—	—	58.5	10/08	26	1
RC4995 (E)	Croplan Genetics	—	—	58.5	10/05	37	1
Genesis A484RR	Genesis	—	—	57.9	10/05	33	2
SS RT4980	SS	—	74.0	57.7	10/04	38	1
DK XTJ184RR (E)	Delta King	—	—	57.7	10/04	37	2
3484NRR	Dyna-Gro	—	70.4	57.7	10/04	37	2
Progeny 4858RR	Progeny	—	—	57.5	10/05	37	1
RC 4848	Croplan Genetics	50.2	71.5	57.3	10/04	36	1
AG4902	Asgrow	52.9	64.1	57.0	10/04	33	1
4803RR	Dixie	—	72.8	56.4	10/04	36	2
B481RR	Genesis	—	—	56.0	10/03	39	1
DG 4850RR	Delta Grow	—	66.7	55.5	10/04	37	2
H4994RR	Hartz	—	71.8	55.3	10/08	33	2
DK4965RR	Delta King	50.0	67.7	55.0	10/04	29	1
9492	Pioneer	52.4	62.9	54.7	10/04	24	1
SG498RR	Deltapine	71.3	71.6	54.7	10/08	29	1
H4884RR	Hartz	—	70.3	54.6	10/04	37	2
AG4602	Asgrow	—	—	54.5	10/04	36	1
HBK R5101	Hornbeck	—	—	53.8	10/08	36	1
Morsoy RT4809	Morsoy	—	85.5	53.8	10/05	33	1
AG4702	Asgrow	—	63.5	53.4	10/05	33	1
TV4886RR	Terral	—	67.7	52.9	10/04	38	1
S51-Tl	NK	58.2	68.3	52.8	10/08	48	2
V492NRR	Vigoro	—	—	52.8	10/05	43	1
Genesis A504RR	Genesis	—	—	51.4	10/05	37	2
ES Prairie RR	ES	—	60.4	50.8	10/08	35	1
FFR 4900RR	FFR	—	—	50.3	10/04	40	2
DK4762RR	Delta King	50.0	57.2	49.8	10/05	42	1
TV4890RR	Terral	45.6	65.4	49.5	10/01	41	2
SS RT46704N	SS	—	52.7	46.1	10/11	39	2
Overall Mean		53.2	67.5	55.8			
LSD (.10)		5.5	6.3	4.6			
Error degrees of freedom		34	56	74			
CV (%)		7.5	6.8	6.0			
R^2 (%)		84	76	69			

[1]Sharkey clay soil. (E) = Experimental.

Table 50. Roundup Ready Maturity Group V Early Soybeans Planted June 13, 2001 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 5366RR	Delta King	—	68.5	64.6	10/12	36	1
TVX56R001 (E)	Terral	—	—	63.1	10/12	38	1
DK5661RR	Delta King	68.7	66.5	62.3	10/12	34	1
TVX5R600 (E)	Terral	—	—	62.2	10/12	35	2
3535NRR	Dyna-Gro	—	70.7	62.1	10/12	35	1
DK XTJ202RR (E)	Delta King	—	—	62.1	10/12	35	1
Progeny 5660RR	Progeny	—	—	61.7	10/15	32	1
3562NRR	Dyna-Gro	—	68.7	60.9	10/12	29	1
S59-V6RR	NK	73.9	65.7	59.9	10/12	38	2
HBK R5420	Hornbeck	—	—	59.6	10/10	34	1
AG5701	Asgrow	—	71.3	59.3	10/12	35	1
DK XTJ205RR (E)	Delta King	—	—	59.0	10/10	35	2
Armor 54-Z4	Armor	—	—	58.9	10/10	26	1
95B53	Pioneer	69.6	66.1	58.5	10/10	31	1
Progeny 5415RR	Progeny	—	—	58.0	10/10	37	1
DK 5668RR	Delta King	—	66.9	57.8	10/12	31	1
DG 5630RR	Delta Grow	—	72.8	57.6	10/12	42	2
ES Ranger RR	ES	—	58.9	57.3	10/05	32	1
DK XTJ203RR (E)	Delta King	—	—	57.1	10/10	32	1
DK XTJ204RR (E)	Delta King	—	—	56.6	10/12	32	1
HBK R5620	Hornbeck	—	—	56.4	10/12	37	1
V562NRR	Vigoro	—	—	56.2	10/12	36	1
AG5603	Asgrow	—	—	56.0	10/12	31	1
AG5602	Asgrow	60.1	64.2	55.8	10/10	35	1
AG5501	Asgrow	—	65.8	55.7	10/10	32	1
RC5454 (E)	Croplan Genetics	—	—	55.6	10/08	31	1
AG5001	Asgrow	45.4	65.5	55.6	10/05	38	1
B531RR	Genesis	—	—	55.5	10/10	35	1
H5231RR	Hartz	—	64.8	55.4	10/08	30	1
DG 5450RR	Delta Grow	—	—	55.2	10/10	25	1
540nRR	USG	—	62.8	55.2	10/10	28	1
DP5644 RR	Deltapine	63.9	63.9	54.5	10/12	32	1
95B32	Pioneer	—	58.9	54.4	10/08	22	1
DK 5465RR	Delta King	—	68.9	54.2	10/10	32	1
TVX5R400 (E)	Terral	—	—	53.8	10/10	34	1
YRC56 (E)	Croplan Genetics	—	—	53.8	10/12	31	2
9551XRR (E)	M & D Gold	—	—	53.6	10/08	41	1
3543NRR	Dyna-Gro	—	—	52.8	10/08	33	1
SS RT557N	SS	54.3	54.8	52.8	10/10	36	2
Delta Grow 5600RR	Delta Grow	—	—	52.7	10/08	29	1
Armor 53-K3	Armor	—	—	52.3	10/08	32	1
RC5252 (E)	Croplan Genetics	—	—	52.3	10/08	31	1
TV5486RR	Terral	62.9	58.0	51.9	10/12	37	2
SS RT517N	SS	57.5	66.1	51.9	10/15	35	1
DP5414RR	Deltapine	—	67.1	51.6	10/10	41	2
RT5110N	Morsoy	—	—	51.6	10/10	32	1
TV52R42	Terral	—	61.8	51.4	10/08	38	1
5512RR/N	AgriPro/Garst	—	—	51.4	10/10	36	1
TVX54R001 (E)	Terral	—	—	51.3	10/10	35	1
9492	Pioneer	42.8	57.2	51.1	10/05	36	1
B544RR	Genesis	—	—	51.0	10/08	28	1
TV 5666RR	Terral	58.7	53.7	50.4	10/12	37	2
DG 5250RR	Delta Grow	—	—	50.3	10/08	27	1
3518NRR	Dyna-Gro	—	—	50.1	10/05	36	1
HBK R5588	Hornbeck	60.5	61.3	48.8	10/12	28	1
YRC51 (E)	Croplan Genetics	—	—	48.6	10/05	37	2
ES Punch RR	ES	—	53.5	47.6	10/09	44	2
USG 7547RR	USG	52.6	50.0	47.0	10/12	34	1
SS-RT 5001N	Southern States	—	—	45.2	10/05	40	1
Overall Mean		56.6	60.8	55.1			
LSD (.10)		6.6	7.1	6.2			
Error degrees of freedom		62	82	116			
CV (%)		8.6	8.6	8.3			
R^2 (%)		83	70	59			

[1]Sharkey clay soil. (E) = Experimental.

Table 51. Roundup Ready Maturity Group V Late Soybeans Planted June 13, 2001 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
95B96	Pioneer	—	—	66.8	10/12	35	1
USG EXP 570 (E)	USG	—	—	62.5	10/12	35	1
H5885RR	Hartz	—	68.9	62.2	10/12	30	1
Armor 56-J6	Armor	—	—	60.6	10/12	35	1
TVX58R001 (E)	Terral	—	—	60.5	10/12	37	1
S59-V6RR	NK	74.6	67.5	59.4	10/12	33	2
AG5701	Asgrow	72.9	68.1	59.1	10/12	31	1
TV59R98	Terral	—	—	59.0	10/10	39	2
DP5806 RR	Deltapine	67.0	63.8	58.5	10/15	35	2
TVX5R800 (E)	Terral	—	—	57.1	10/12	39	2
590RR	Croplan Genetics	74.2	61.7	56.7	10/12	32	1
HBK R6020	Hornbeck	67.0	68.0	54.9	10/15	36	2
Progeny 5900RR	Progeny	—	65.4	54.6	10/12	33	2
AG5902	Asgrow	—	67.1	54.3	10/15	35	1
SS RT 5999N	SS	—	63.5	54.3	10/12	35	2
TV59R85	Terral	—	61.9	54.0	10/12	42	2
S58-R3	NK	—	—	53.8	10/12	26	1
AG 5901	Asgrow	56.6	60.4	53.5	10/15	36	2
USG 7585nRR	USG	—	—	53.5	10/15	33	1
HBK R5920	Hornbeck	68.5	66.2	53.2	10/12	38	1
DG 5950RR	Delta Grow	72.9	62.2	52.9	10/15	42	2
H5999RR	Hartz	54.6	56.8	52.5	10/15	32	2
YRC58 (E)	Croplan Genetics	—	—	52.0	10/15	38	2
3582NRR	Dyna-Gro	—	65.5	51.9	10/12	40	1
ES Marshal RR	ES	—	51.5	51.0	10/15	35	1
HBK R5820	Hornbeck	—	—	49.6	10/12	44	2
YRC57 (E)	Croplan Genetics	—	—	49.5	10/15	30	1
SS RT587N	SS	59.0	61.5	49.4	10/12	32	1
DP5915RR	Deltapine	62.8	57.8	49.3	10/15	34	1
Armor 59-B9	Armor	—	—	48.4	10/10	40	2
DK5762RR	Delta King	71.2	69.2	47.9	10/15	34	1
DK5961RR	Delta King	66.4	63.3	47.5	10/12	34	1
TVX5R900 (E)	Terral	—	—	45.4	10/12	35	1
ES Trooper RR	ES	—	54.4	43.9	10/12	35	1
Overall Mean		62.5	60.7	54.1			
LSD (.10)		6.1	5.7	6.6			
Error degrees of freedom		60	74	66			
CV (%)		7.2	6.8	8.9			
R^2 (%)		85	81	64			

[1]Sharkey clay soil. (E) = Experimental.

Location 3. Steve Williams' Farm, Olive Branch

Location Summary

This location experienced overall excellent growing conditions all season long. There was little disease pressure early, but light Phomopsis pressure was seen on Group IV varieties before harvest.

Soil type . . . . . **Collins silt loam**
Soil pH **6.2**
Soil fertility . . . . . **P = H, K = H**
Fertilizer added . . . . . **None**

Herbicide application . . . **Preemergence — Conventional – None**
Postemergence — Conventional – First Rate @ 0.25 oz/A + Select @ 0.125 lb/A + 1.2% crop oil concentrate
Postemergence — Roundup Ready – Roundup Ultra Max @ 0.75 lb/A

Planting date . . . . . **May 2**
Harvest date . . . . . **Group IV — September 26**
Group V — October 18

Rainfall Summary

	Inches
May	6.35
June	2.12
July	5.53
August	2.24
September	3.36
October	6.90
Total	26.50

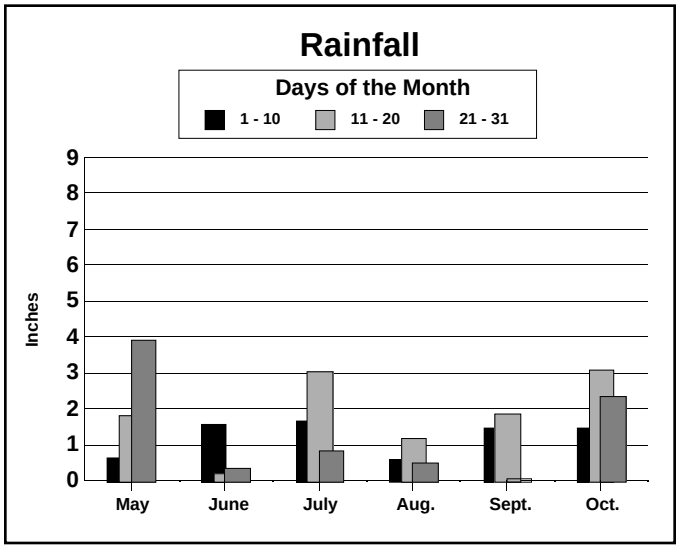

Table 52. Maturity Group IV Soybeans Planted May 2, 2001 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK4680	Delta King	48.3	18.0	52.4	09/26	41	3
TV4881	Terral	53.4	26.6	52.3	09/22	48	4
HBK 4891	Hornbeck	52.4	32.7	51.8	09/12	46	4
Progeny 4910	Progeny	—	24.4	50.7	09/23	48	2
DK4711	Delta King	—	25.2	50.3	09/23	47	4
DT97-4290 (E)	Public	37.7	22.4	49.1	09/27	47	4
94B54	Pioneer	—	—	45.4	09/09	47	2
Dixie 478	Dixie	45.4	22.4	43.9	09/15	53	4
9511	Pioneer	50.3	13.7	43.0	09/23	53	2
DP4748S	Deltapine	—	—	42.7	09/25	49	4
FFR 4900RR	FFR	—	—	41.8	09/22	45	3
TV 4975	Terral	36.1	14.3	36.8	09/27	55	3
Overall Mean		46.2	22.2	46.7			
LSD (.10)		6.9	6.9	8.9			
Error degrees of freedom		—	—	22			
CV (%)		—	—	13.7			
R^2 (%)		—	—	85			

[1]Collins silt loam soil. (E) = Experimental.

Table 53. Maturity Group V Early Soybeans Planted May 2, 2001 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
R96-209 (E)	Public	—	—	56.3	10/08	38	3
DK5850	Delta King	47.7	13.3	53.0	10/07	38	3
Hutcheson	Public	39.1	18.8	52.8	10/08	42	2
TN96-58 (E)	Public	—	—	50.9	10/10	37	2
Progeny 5120N	Progeny	43.2	12.9	49.6	10/07	42	3
Delsoy 5500	Public	45.3	17.5	47.4	10/02	35	1
Armor 52-C2	Armor	—	—	45.0	10/08	35	4
DP5110S	Deltapine	—	17.9	38.9	10/05	52	3
Progeny 5600	Progeny	—	—	38.8	10/02	38	3
9511	Pioneer	43.9	14.2	34.4	10/08	55	3
95B33	Pioneer	52.0	17.0	33.5	10/10	42	1
SS-5200-STS	Southern States	—	—	26.7	10/06	56	5
Overall Mean		42.3	15.1	43.9			
LSD (.10)		7.7	4.8	17.7			
Error degrees of freedom		58	58	22			
CV (%)		13.3	23.3	28.7			
R^2 (%)		64	70	54			

[1]Collins silt loam soil. (E) = Experimental.

Table 54. Maturity Group V Late Soybeans Planted May 2, 2001 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
A5959	Asgrow	—	17.4	57.0	10/16	35	2
DT96-6840 (E)	Public	—	27.6	51.9	10/13	42	5
SS 597N	SS	—	14.9	51.8	10/15	45	2
UARK-5798	Public	—	9.4	51.8	10/12	38	2
9594	Pioneer	—	15.5	50.7	10/16	41	2
95B97	Pioneer	—	—	49.9	10/13	43	3
DK5995	Delta King	—	22.3	49.3	10/15	42	2
DP5989	Deltapine	—	6.0	48.6	10/04	52	3
Hutcheson	Public	—	15.5	48.3	10/10	36	3
HBK 5991	Hornbeck	—	—	47.8	10/14	40	3
HBK 5812	Hornbeck	—	—	47.4	10/17	55	3
UARK-5896	Public	—	—	46.8	10/15	36	3
Caviness	Public	—	18.4	46.0	10/12	38	4
R95-2210 (E)	Public	—	15.5	44.6	10/12	40	3
TV5926	Terral	—	16.1	41.9	10/15	48	3
Bolivar	Public	—	20.9	40.7	10/15	53	3
Overall Mean		—	15.3	48.4			
LSD (.10)		—	6.6	6.9			
Error degrees of freedom		—	58	30			
CV (%)		—	31.5	10.3			
R^2 (%)		—	59	67			

[1]Collins silt loam soil. (E) = Experimental.
[2]No yields for 1999.

Table 55. Roundup Ready Maturity Group IV Early Soybeans Planted May 2, 2001 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4820	Hornbeck	—	—	63.0	09/12	47	3
AG4403	Asgrow	—	—	62.9	09/06	48	2
94B73	Pioneer	—	—	61.0	09/14	47	2
3443NRR	Dyna-Gro	—	—	56.1	09/09	46	2
Armor 44-R4	Armor	—	—	55.5	09/04	46	2
4512RR/N	AgriPro/Garst	—	—	55.5	09/05	44	2
3468NRR	Dyna-Gro	—	—	54.9	09/10	35	2
AG4702	Asgrow	—	—	54.3	09/05	44	2
S46-G2	NK	—	—	52.9	09/07	50	2
RC4444 (E)	Croplan Genetics	—	—	52.9	09/04	47	2
3463NRR	Dyna-Gro	—	—	52.5	09/09	51	2
DK 4461RR	Delta King	—	—	52.4	09/04	45	2
AG4602	Asgrow	—	—	52.3	09/09	48	2
H4554RR	Hartz	—	—	51.7	09/12	44	2
4888RR	AgriPro/Garst	—	—	51.2	09/14	46	4
HBK R4660	Hornbeck	—	—	51.0	09/12	51	2
Armor 47-G7	Armor	—	—	50.6	09/12	43	2
TS466RR	Croplan Genetics	—	—	50.4	09/08	53	3
TV4589RR	Terral	—	—	50.2	09/11	41	2
DPX4300RR (E)	Deltapine	—	—	48.7	09/13	49	4
AG4301	Asgrow	—	—	48.1	09/06	42	2
HX40-93038 (E)	Hartz	—	—	47.3	09/12	40	2
9410XRR (E)	M & D Gold	—	—	47.3	09/12	43	4
DP4690RR	Deltapine	—	—	46.9	09/13	49	4
SS RT446N	SS	—	—	46.3	09/15	46	3
4501RR/N	AgriPro/Garst	—	—	46.1	09/08	47	3
DP4344RR	Deltapine	—	—	44.6	09/05	52	4
94B23	Pioneer	—	—	44.3	09/04	37	2
RT4241 (E)	Croplan Genetics	—	—	43.2	09/08	44	3
HBK SB4310R	Hornbeck	—	—	42.4	09/14	48	4
9480XRR (E)	M & D Gold	—	—	39.1	09/15	56	2
Overall Mean		—	—	50.8			
LSD (.10)		—	—	8.8			
Error degrees of freedom		—	—	60			
CV (%)		—	—	12.7			
R^2 (%)		—	—	89			

[1]Collins silt loam soil. (E) = Experimental.
[2]No 1999 and 2000 yields.

Table 56. Roundup Ready Maturity Group IV Late Soybeans Planted May 2, 2001 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
4803RR	Dixie	—	24.6	59.2	09/15	53	4
AG5001	Asgrow	—	—	58.4	09/15	48	3
DK XTJ201RR (E)	Delta King	—	—	58.3	09/15	47	3
DK4868RR	Delta King	—	21.0	54.3	09/15	45	3
RC4995 (E)	Croplan Genetics	—	—	52.3	09/07	51	5
DG 4850RR	Delta Grow	—	29.3	51.3	09/10	50	3
RC 4848	Croplan Genetics	—	25.3	51.3	09/15	49	3
AG4902	Asgrow	—	26.8	50.2	09/15	45	3
Progeny 4858RR	Progeny	—	—	49.7	09/15	51	3
DK4965RR	Delta King	—	20.9	48.8	09/15	47	3
DK 4763RR	Delta King	—	—	48.6	09/04	43	2
9492	Pioneer	—	24.6	47.9	09/08	47	2
SS RT4980	SS	—	22.3	47.9	09/15	49	4
AG4702	Asgrow	—	23.7	47.8	09/11	43	2
H4884RR	Hartz	—	19.4	47.2	09/05	49	3
YRC49 (E)	Croplan Genetics	—	—	47.2	09/23	38	3
HBK R4920	Hornbeck	—	24.8	47.1	09/08	49	5
Morsoy RT4809	Morsoy	—	25.9	46.3	09/14	48	2
DK XTJ184RR (E)	Delta King	—	—	45.6	09/14	46	3
AG4602	Asgrow	—	—	45.4	09/08	44	3
SG498RR	Deltapine	—	17.0	45.2	09/14	43	2
DPX4885RR (E)	Deltapine	—	—	44.4	09/14	49	4
H4994RR	Hartz	—	11.0	42.7	09/23	41	4
DG 4950RR	Delta Grow	—	—	42.7	09/17	48	4
Genesis A504RR	Genesis	—	—	42.3	09/23	50	4
TV4886RR	Terral	—	24.4	42.2	09/10	57	2
TV4890RR	Terral	—	21.2	41.6	09/08	51	2
DK4762RR	Delta King	—	21.9	41.5	09/13	56	3
FFR 4900RR	FFR	—	—	41.3	09/23	44	3
3484NRR	Dyna-Gro	—	29.5	41.2	09/09	45	2
SS RT46704N	SS	—	10.3	41.0	09/23	56	3
Genesis A484RR	Genesis	—	—	40.4	09/23	48	3
HBK R5101	Hornbeck	—	—	40.3	09/23	53	2
ES Prairie RR	ES	—	14.6	36.7	09/23	50	5
USG 7489RR	USG	—	—	36.5	09/15	48	4
V492NRR	Vigoro	—	—	35.9	09/17	53	4
B481RR	Genesis	—	—	35.3	09/23	50	3
S51-TI	NK	—	11.9	34.8	09/23	47	3
Overall Mean		—	22.4	45.5			
LSD (.10)		—	8.2	10.2			
Error degrees of freedom		—	56	74			
CV (%)		—	26.8	16.4			
R^2 (%)		—	59	81			

[1]Collins silt loam soil. (E) = Experimental.
[2]Not planted in 1999.

Table 57. Roundup Ready Maturity Group V Early Soybeans Planted May 2, 2001 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 5366RR	Delta King	—	10.7	54.5	10/14	40	3
540nRR	USG	—	20.9	52.9	10/18	44	1
DK XTJ202RR (E)	Delta King	—	—	52.4	10/14	45	3
AG5701	Asgrow	—	12.8	51.9	10/10	44	2
DK5661RR	Delta King	—	10.2	50.3	10/15	49	3
RC5454 (E)	Croplan Genetics	—	—	50.3	10/16	39	1
AG5603	Asgrow	—	—	50.2	10/12	39	1
3562NRR	Dyna-Gro	—	10.0	50.1	10/10	38	4
RC5252 (E)	Croplan Genetics	—	—	50.0	10/15	47	2
DP5644 RR	Deltapine	—	14.4	50.0	10/14	44	2
Progeny 5660RR	Progeny	—	—	50.0	10/18	45	3
5512RR/N	AgriPro/Garst	—	—	49.9	10/12	41	1
V562NRR	Vigoro	—	—	49.8	10/10	46	3
HBK R5620	Hornbeck	—	—	49.7	10/16	44	3
DG 5450RR	Delta Grow	—	—	49.6	10/10	39	1
HBK R5420	Hornbeck	—	—	49.6	10/18	40	1
DG 5250RR	Delta Grow	—	—	49.5	10/14	43	1
DK 5668RR	Delta King	—	22.7	48.8	10/08	39	4
B544RR	Genesis	—	—	48.7	10/12	43	2
DK 5465RR	Delta King	—	27.1	48.7	10/10	41	1
TVX54R001 (E)	Terral	—	—	48.4	10/14	43	1
3543NRR	Dyna-Gro	—	—	48.3	10/16	42	1
3535NRR	Dyna-Gro	—	16.9	48.1	10/14	41	4
TVX56R001 (E)	Terral	—	—	47.9	10/14	44	2
TVX5R600 (E)	Terral	—	—	47.7	10/17	48	3
AG5501	Asgrow	—	13.3	47.4	10/10	47	3
TVX5R400 (E)	Terral	—	—	47.4	10/18	42	1
Armor 53-K3	Armor	—	—	47.3	10/15	35	2
DP5414RR	Deltapine	—	13.1	46.5	10/17	47	3
YRC56 (E)	Croplan Genetics	—	—	46.2	10/12	40	3
DK XTJ204RR (E)	Delta King	—	—	45.7	10/14	49	2
DK XTJ203RR (E)	Delta King	—	—	45.5	10/16	40	1
RT5110N	Morsoy	—	—	45.3	10/12	43	1
Armor 54-Z4	Armor	—	—	45.2	10/10	41	1
DK XTJ205RR (E)	Delta King	—	—	44.9	10/17	42	3
DG 5630RR	Delta Grow	—	17.4	44.8	10/14	44	2
AG5602	Asgrow	—	9.7	44.6	10/18	45	2
Delta Grow 5600RR	Delta Grow	—	—	44.6	10/16	41	2
SS RT557N	SS	—	12.7	44.5	10/16	48	3
Progeny 5415RR	Progeny	—	—	44.2	10/16	41	2
S59-V6RR	NK	—	17.0	43.8	10/12	40	4
HBK R5588	Hornbeck	—	17.5	43.8	10/17	38	3
H5231RR	Hartz	—	18.9	43.4	10/12	41	2
TV52R42	Terral	—	15.0	42.3	10/13	49	4
USG 7547RR	USG	—	19.2	42.1	10/10	40	3
B531RR	Genesis	—	—	41.7	10/12	41	1
ES Punch RR	ES	—	12.9	41.3	10/10	48	2
ES Ranger RR	ES	—	11.1	41.2	10/10	34	4
TV 5666RR	Terral	—	8.7	40.5	10/12	45	2
TV5486RR	Terral	—	10.2	39.7	10/12	53	3
3518NRR	Dyna-Gro	—	—	38.8	10/10	47	5
SS RT517N	SS	—	22.0	38.5	10/12	40	3
95B32	Pioneer	—	18.5	37.4	10/14	37	2
AG5001	Asgrow	—	24.2	36.5	10/13	48	5
95B53	Pioneer	—	24.3	36.3	10/10	36	4
9492	Pioneer	—	24.1	34.9	10/12	43	3
YRC51 (E)	Croplan Genetics	—	—	34.5	10/13	50	3
SS-RT 5001N	Southern States	—	—	32.7	10/12	48	2
9551XRR (E)	M & D Gold	—	—	28.5	10/12	51	4
Overall Mean		—	14.8	45.2			
LSD (.10)		—	7.3	6.0			
Error degrees of freedom		—	82	116			
CV (%)		—	36.3	9.8			
R^2 (%)		—	57	83			

[1]Collins silt loam soil. (E) = Experimental.
[2]Not planted in 1999.

Table 58. Roundup Ready Maturity Group V Late Soybeans Planted May 2, 2001 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5915RR	Deltapine	—	18.9	60.2	10/18	47	2
AG5902	Asgrow	—	11.7	53.4	10/14	45	2
TVX58R001 (E)	Terral	—	—	53.0	10/12	46	3
AG 5901	Asgrow	—	9.7	51.4	10/18	46	2
USG EXP 570 (E)	USG	—	—	51.0	10/15	45	2
YRC58 (E)	Croplan Genetics	—	—	50.7	10/16	53	2
YRC57 (E)	Croplan Genetics	—	—	50.6	10/12	43	2
DP5806 RR	Deltapine	—	12.0	49.7	10/15	43	2
Armor 56-J6	Armor	—	—	49.4	10/17	44	3
H5885RR	Hartz	—	16.9	49.2	10/17	46	2
TVX5R800 (E)	Terral	—	—	48.2	10/13	46	2
AG5701	Asgrow	—	15.8	47.7	10/12	43	2
95B96	Pioneer	—	—	47.4	10/15	47	2
USG 7585nRR	USG	—	—	47.0	10/16	50	3
HBK R6020	Hornbeck	—	20.6	47.0	10/18	52	2
TVX5R900 (E)	Terral	—	—	46.7	10/16	55	2
590RR	Croplan Genetics	—	17.2	46.4	10/17	49	3
H5999RR	Hartz	—	13.6	46.0	10/12	47	2
S58-R3	NK	—	—	45.8	10/14	40	2
DK5762RR	Delta King	—	15.8	45.8	10/10	50	2
DK5961RR	Delta King	—	15.1	45.3	10/14	46	2
DG 5950RR	Delta Grow	—	13.7	44.0	10/14	52	2
SS RT587N	SS	—	19.4	43.5	10/12	46	2
ES Trooper RR	ES	—	12.3	42.8	10/15	41	2
3582NRR	Dyna-Gro	—	19.1	42.8	10/13	50	2
SS RT 5999N	SS	—	9.6	42.5	10/12	54	2
HBK R5920	Hornbeck	—	13.0	42.2	10/12	47	3
TV59R85	Terral	—	16.7	41.6	10/15	48	3
Progeny 5900RR	Progeny	—	20.8	41.6	10/17	47	2
HBK R5820	Hornbeck	—	—	41.1	10/12	53	2
S59-V6RR	NK	—	11.8	41.1	10/17	42	3
Armor 59-B9	Armor	—	—	40.1	10/15	49	4
TV59R98	Terral	—	—	38.7	10/14	56	2
ES Marshal RR	ES	—	16.6	37.5	10/10	48	2
Overall Mean		—	14.6	46.2			
LSD (.10)		—	6.8	6.8			
Error degrees of freedom		—	74	66			
CV (%)		—	34.2	10.8			
R^2 (%)		—	52	66			

[1]Collins silt loam soil. (E) = Experimental.
[2]Not planted in 1999.

Location 4. Prairie Research Unit, Prairie

Location Summary

Soybeans were planted into adequate moisture and emerged quickly. After emergence, the growing season provided good growing conditions with adequate soil moisture and relatively mild temperatures. Harvest weather was excellent.

Soil type . . . . . Houston clay
Soil pH 7.3
Soil fertility . . . . . P = M, K = H
Fertilizer added . . . . . 0-20-20 @ 300 lb/A

Herbicide application . . . . Postemergence — Roundup Ultra @ 0.75 lb/A (2 applications)

Planting date . . . . . May 14
Harvest date . . . . . Group IV — October 4
Group V — October 19

Table 59. Roundup Ready Maturity Group IV Early Soybeans Planted May 14, 2001 (Prairie Research Unit, Prairie).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
4512RR/N	AgriPro/Garst	—	—	47.2	09/12	24	1
Armor 44-R4	Armor	—	—	47.0	09/19	24	1
TS466RR	Croplan Genetics	—	16.3	46.2	09/21	28	1
4888RR	AgriPro/Garst	—	15.5	45.4	09/21	28	1
AG4403	Asgrow	—	14.3	45.2	09/10	25	1
DK 4461RR	Delta King	—	—	43.3	09/12	23	1
HBK R4820	Hornbeck	—	—	43.2	09/17	25	1
Armor 47-G7	Armor	—	—	42.2	09/10	24	1
DP4690RR	Deltapine	—	16.9	42.2	09/19	29	1
3443NRR	Dyna-Gro	—	—	42.1	09/10	17	1
94B73	Pioneer	—	—	41.7	09/04	22	1
AG4602	Asgrow	—	15.0	41.6	09/19	26	1
AG4702	Asgrow	—	15.7	41.2	09/10	26	1
RC4444 (E)	Croplan Genetics	—	—	41.2	09/17	22	1
S46-G2	NK	—	—	40.8	09/10	24	1
4501RR/N	AgriPro/Garst	—	—	40.3	09/14	30	1
AG4301	Asgrow	—	—	39.3	09/07	20	1
3463NRR	Dyna-Gro	—	14.6	38.5	09/10	25	1
H4554RR	Hartz	—	—	37.7	09/21	28	1
TV4589RR	Terral	—	13.2	36.8	09/10	22	1
DPX4300RR (E)	Deltapine	—	—	36.7	09/10	30	1
9480XRR (E)	M & D Gold	—	—	36.0	09/17	35	1
HX40-93038 (E)	Hartz	—	—	35.5	09/07	27	1
3468NRR	Dyna-Gro	—	—	34.1	09/10	20	1
RT4241 (E)	Croplan Genetics	—	—	32.9	09/10	28	1
SS RT446N	SS	—	12.3	30.7	09/10	24	1
DP4344RR	Deltapine	—	15.1	30.0	09/10	31	2
9410XRR (E)	M & D Gold	—	—	28.6	09/07	28	1
94B23	Pioneer	—	—	28.5	09/10	22	1
HBK SB4310R	Hornbeck	—	—	26.8	09/07	18	1
HBK R4660	Hornbeck	—	15.8	24.6	09/10	24	1
Overall Mean		—	14.9	38.3			
LSD (.10)		—	2.4	10.7			
Error degrees of freedom		—	28	60			
CV (%)		—	11.4	20.4			
R^2 (%)		—	68	81			

[1]Houston clay soil. (E) = Experimental.
[2]Not planted in 1999.

Rainfall Summary

	Inches
May	**6.28**
June	**5.43**
July	**2.35**
August	**8.47**
September	**2.81**
October	**4.28**
Total	**29.62**

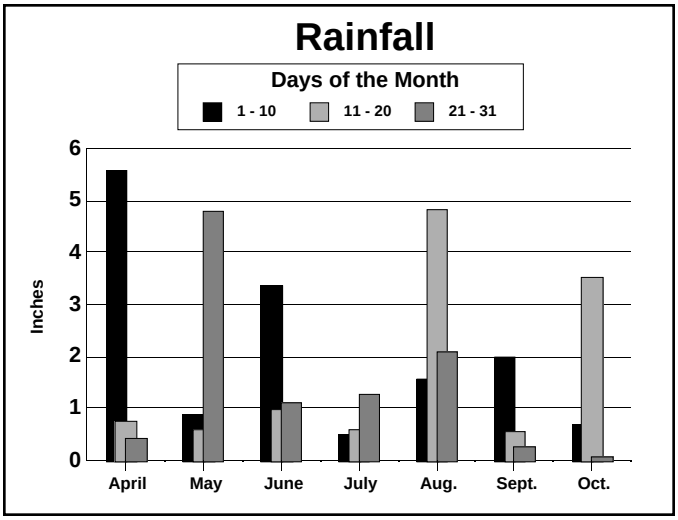

Table 60. Roundup Ready Maturity Group IV Late Soybeans Planted May 14, 2001 (Prairie Research Unit, Prairie).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
SS RT46704N	SS	—	15.5	51.3	09/28	36	1
DK XTJ201RR (E)	Delta King	—	—	51.1	09/21	28	1
HBK R4920	Hornbeck	—	17.0	48.5	09/24	30	1
RC4995 (E)	Croplan Genetics	—	—	47.9	09/26	32	1
DG 4950RR	Delta Grow	—	—	47.3	09/21	32	1
V492NRR	Vigoro	—	—	47.0	09/21	32	1
HBK R5101	Hornbeck	—	—	46.5	09/19	35	1
4803RR	Dixie	—	17.8	46.3	09/19	34	1
Progeny 4858RR	Progeny	—	—	46.2	09/24	29	1
FFR 4900RR	FFR	—	—	46.0	09/21	25	1
AG4902	Asgrow	—	17.6	45.6	09/17	26	1
DK4868RR	Delta King	—	20.1	45.5	09/16	27	1
Morsoy RT4809	Morsoy	—	19.2	45.0	09/14	22	1
SS RT4980	SS	—	16.9	44.7	09/21	29	1
TV4890RR	Terral	—	15.5	44.7	09/19	30	1
DK 4763RR	Delta King	—	—	44.0	09/17	24	1
Genesis A484RR	Genesis	—	—	43.8	09/16	28	1
H4994RR	Hartz	—	20.4	43.7	09/17	21	1
USG 7489RR	USG	—	—	43.1	09/17	31	1
DK4965RR	Delta King	—	18.8	43.0	09/19	25	1
AG4702	Asgrow	—	15.2	42.9	09/19	24	1
DPX4885RR (E)	Deltapine	—	—	42.3	09/21	27	1
ES Prairie RR	ES	—	15.6	41.9	09/19	31	1
TV4886RR	Terral	—	17.5	41.5	09/19	33	1
Genesis A504RR	Genesis	—	—	41.3	09/24	28	1
SG498RR	Deltapine	—	18.9	40.9	09/19	23	1
DK XTJ184RR (E)	Delta King	—	—	40.7	09/17	26	1
3484NRR	Dyna-Gro	—	14.8	40.7	09/14	27	1
RC 4848	Croplan Genetics	—	13.5	40.4	09/24	30	1
H4884RR	Hartz	—	15.2	40.4	09/17	27	1
YRC49 (E)	Croplan Genetics	—	—	40.3	09/24	20	1
B481RR	Genesis	—	—	40.1	09/19	34	1
AG5001	Asgrow	—	6.8	39.2	09/21	26	1
S51-TI	NK	—	16.6	38.9	09/24	54	2
9492	Pioneer	—	16.9	38.9	09/14	27	1
DG 4850RR	Delta Grow	—	14.7	38.3	09/21	28	1
AG4602	Asgrow	—	—	36.8	09/16	23	1
DK4762RR	Delta King	—	13.4	27.3	09/11	31	1
Overall Mean		—	16.2	43.0			
LSD (.10)		—	3.4	7.8			
Error degrees of freedom		—	56	74			
CV (%)		—	15.3	13.3			
R^2 (%)		—	64	84			

[1]Houston clay soil. (E) = Experimental.
[2]Not planted in 1999.

Table 61. Roundup Ready Maturity Group V Early Soybeans Planted May 14, 2001 (Prairie Research Unit, Prairie).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
SS RT557N	SS	—	17.9	61.0	09/28	27	2
DP5414RR	Deltapine	—	13.3	60.1	09/28	28	2
HBK R5588	Hornbeck	—	15.6	57.8	10/01	22	1
DK XTJ204RR (E)	Delta King	—	—	56.9	10/01	26	2
AG5501	Asgrow	—	14.0	56.1	10/05	30	1
Armor 53-K3	Armor	—	—	54.8	10/05	22	1
AG5701	Asgrow	—	14.0	54.3	10/03	25	1
540nRR	USG	—	13.4	53.6	10/03	21	1
TV 5666RR	Terral	—	15.3	53.5	10/03	27	2
DK XTJ202RR (E)	Delta King	—	—	53.3	10/03	28	3
3562NRR	Dyna-Gro	—	16.0	53.1	10/03	28	2
DK 5366RR	Delta King	—	16.2	53.0	10/03	28	2
ES Punch RR	ES	—	17.5	53.0	10/05	25	1
DG 5630RR	Delta Grow	—	18.0	52.5	10/05	27	1
RC5252 (E)	Croplan Genetics	—	—	52.4	10/05	22	1
95B53	Pioneer	—	12.3	52.2	10/01	23	1
V562NRR	Vigoro	—	—	52.1	10/05	28	2
DK 5465RR	Delta King	—	16.8	52.0	10/03	26	1
5512RR/N	AgriPro/Garst	—	—	51.9	10/03	16	1
3518NRR	Dyna-Gro	—	—	51.8	09/28	22	1
DK XTJ205RR (E)	Delta King	—	—	51.6	10/03	23	1
USG 7547RR	USG	—	13.5	51.5	09/28	25	1
3535NRR	Dyna-Gro	—	18.4	51.5	10/05	29	2
DK XTJ203RR (E)	Delta King	—	—	51.3	10/05	20	1
Delta Grow 5600RR	Delta Grow	—	—	51.1	10/05	21	1
TVX5R600 (E)	Terral	—	—	51.1	10/05	27	1
B544RR	Genesis	—	—	51.0	10/05	21	1
AG5602	Asgrow	—	8.3	51.0	10/05	26	1
DP5644 RR	Deltapine	—	13.9	50.8	10/03	24	2
Armor 54-Z4	Armor	—	—	50.6	10/05	24	1
YRC56 (E)	Croplan Genetics	—	—	50.4	10/03	19	1
DK5661RR	Delta King	—	18.6	50.3	10/03	24	2
SS RT517N	SS	—	—	50.3	09/28	24	2
DK 5668RR	Delta King	—	14.9	50.2	10/05	21	1
TVX56R001 (E)	Terral	—	—	50.0	10/03	26	2
TV5486RR	Terral	—	15.0	49.9	10/01	38	2
HBK R5620	Hornbeck	—	—	49.7	10/01	27	1
RC5454 (E)	Croplan Genetics	—	—	49.7	10/03	22	1
AG5603	Asgrow	—	—	49.3	10/03	18	1
H5231RR	Hartz	—	6.9	49.0	10/01	23	1
Progeny 5660RR	Progeny	—	—	48.5	10/05	26	1
HBK R5420	Hornbeck	—	—	47.9	10/03	22	1
YRC51 (E)	Croplan Genetics	—	—	47.2	09/26	21	1
SS-RT 5001N	Southern States	—	—	47.1	09/28	30	1
DG 5450RR	Delta Grow	—	—	47.1	10/05	21	1
95B32	Pioneer	—	14.6	47.0	09/26	22	1
3543NRR	Dyna-Gro	—	—	46.2	09/28	20	1
TVX5R400 (E)	Terral	—	—	46.2	10/05	21	1
TV52R42	Terral	—	15.2	45.7	09/24	25	1
Progeny 5415RR	Progeny	—	—	45.4	09/24	22	1
TVX54R001 (E)	Terral	—	—	45.0	09/24	17	1
9551XRR (E)	M & D Gold	—	—	44.4	09/24	42	2
9492	Pioneer	—	5.9	44.1	09/24	29	2
S59-V6RR	NK	—	17.0	43.6	10/03	25	2
B531RR	Genesis	—	—	43.2	09/21	22	1
DG 5250RR	Delta Grow	—	—	43.2	09/24	21	1
ES Ranger RR	ES	—	14.1	42.2	09/21	17	1
AG5001	Asgrow	—	6.8	41.6	09/28	31	2
RT5110N	Morsoy	—	—	41.5	09/26	23	1
Overall Mean		—	13.7	50.1			
LSD (.10)		—	3.9	6.9			
Error degrees of freedom		—	82	116			
CV (%)		—	20.7	10.1			
R^2 (%)		—	70	71			

[1]Houston clay soil. (E) = Experimental.
[2]Not planted in 1999.

Table 62. Roundup Ready Maturity Group V Late Soybeans Planted May 14, 2001 (Prairie Research Unit, Prairie).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
YRC58 (E)	Croplan Genetics	—	—	62.1	10/05	41	2
H5885RR	Hartz	—	14.0	59.5	10/16	31	2
AG5701	Asgrow	—	13.7	59.0	10/05	31	2
SS RT 5999N	SS	—	13.0	58.6	10/05	35	2
AG5902	Asgrow	—	17.0	58.6	10/10	34	2
AG 5901	Asgrow	—	15.6	58.1	10/08	34	1
TV59R98	Terral	—	—	57.9	10/08	40	2
DP5915RR	Deltapine	—	17.3	57.5	10/10	36	2
H5999RR	Hartz	—	13.0	56.3	10/08	37	2
SS RT587N	SS	—	14.7	56.0	10/08	37	2
Armor 59-B9	Armor	—	—	55.6	10/05	36	1
TVX58R001 (E)	Terral	—	—	55.3	10/08	36	3
HBK R5820	Hornbeck	—	—	54.8	10/05	42	2
TVX5R800 (E)	Terral	—	—	54.2	10/08	37	3
YRC57 (E)	Croplan Genetics	—	—	53.8	10/08	30	2
S58-R3	NK	—	—	53.3	10/05	30	1
DP5806 RR	Deltapine	—	20.1	52.9	10/10	42	2
DK5961RR	Delta King	—	15.1	52.5	10/15	33	1
Progeny 5900RR	Progeny	—	12.5	52.3	10/10	36	2
Armor 56-J6	Armor	—	—	52.3	10/08	37	2
ES Marshal RR	ES	—	16.4	52.2	10/10	40	2
USG EXP 570 (E)	USG	—	—	51.7	10/08	37	2
TVX5R900 (E)	Terral	—	—	51.3	10/08	39	2
ES Trooper RR	ES	—	19.0	51.2	10/08	36	2
DG 5950RR	Delta Grow	—	13.7	50.8	10/08	34	2
HBK R6020	Hornbeck	—	13.4	50.6	10/15	37	2
DK5762RR	Delta King	—	15.5	50.5	10/12	34	2
USG 7585nRR	USG	—	—	49.5	10/03	35	2
TV59R85	Terral	—	14.7	48.2	10/03	39	2
590RR	Croplan Genetics	—	17.0	47.5	10/05	35	2
S59-V6RR	NK	—	13.2	47.2	10/05	34	3
HBK R5920	Hornbeck	—	14.9	46.2	10/10	36	2
3582NRR	Dyna-Gro	—	13.8	43.0	10/03	43	3
95B96	Pioneer	—	—	42.0	10/05	30	2
Overall Mean		—	14.8	53.0			
LSD (.10)		—	3.2	4.7			
Error degrees of freedom		—	74	66			
CV (%)		—	15.8	6.5			
R^2 (%)		—	74	76			

[1]Houston clay soil. (E) = Experimental.
[2]Not planted in 1999.

Location 5. Mississippi State University, Starkville

Location Summary

Plot area was do-alled, and soybeans were planted into good soil moisture. The growing season provided good growing conditions with adequate soil moisture, resulting in good yields. The initial harvest of Maturity Group IV soybeans was hampered by rainfall, but harvest conditions improved by mid- to late September until harvest completion in October.

Soil type . . . . . Leeper silty clay
Soil pH 7.9
Soil fertility . . . . . P = M, K = L
Fertilizer added . . . . . 0-46-60 @ 100 lb/A

Herbicide application . . . . . Preemergence — Conventional – Scepter @ 0.125 lb/A + Dual Magnum @ 0.95 lb/A
Postemergence — Conventional – Storm @ 0.75 lb/A + Select @ 0.125 lb/A + 1.2 % crop oil concentrate
First Rate @ 0.25 oz/A + Select @ 0.125 lb/A + 1.2 % crop oil concentrate
Postemergence — Roundup Ready – Roundup Ultra Max @ 0.75 lb/A (3 applications)

Planting date . . . . . Group III — 1st Planting – April 27; 2nd Planting – May 14
Group IV, V, & VI — April 27
Harvest date . . . . . Group III — 1st Planting – August 16; 2nd Planting – September 12
Group IV E RR — September 12
Group IV Conventional & Group IV L RR — September 14
Group V E Conventional — October 1
Group V L Conventional & Group V E & V L RR — October 9
Group VI Conventional & RR — October 26

Table 63. Maturity Group IV Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
FFR 4900RR	FFR	—	—	50.0	09/04	29	2
DK4711	Delta King	—	39.8	48.8	08/28	25	1
TV 4975	Terral	43.8	35.3	48.6	09/04	40	2
DT97-4290 (E)	Public	42.9	34.4	45.3	08/31	27	1
TV4881	Terral	37.9	41.7	44.9	09/03	24	1
HBK 4891	Hornbeck	38.6	42.8	43.8	09/02	26	1
DP4748S	Deltapine	—	—	43.2	08/28	31	1
Progeny 4910	Progeny	—	42.5	39.5	09/02	27	1
9511	Pioneer	45.5	33.2	34.0	09/04	31	1
DK4680	Delta King	27.7	17.2	32.2	09/03	27	1
94B54	Pioneer	—	—	26.4	08/27	25	1
Dixie 478	Dixie	21.3	22.6	25.6	08/24	30	1
Overall Mean		36.8	34.4	40.2			
LSD (.10)		5.9	5.2	7.1			
Error degrees of freedom		—	—	22			
CV (%)		—	—	12.5			
R^2 (%)		—	—	82			

[1]Leeper silty clay soil. (E) = Experimental.

Rainfall Summary

	Inches
May	**4.59**
June	**5.37**
July	**2.58**
August	**7.35**
September	**4.06**
October	**6.19**
Total	**30.14**

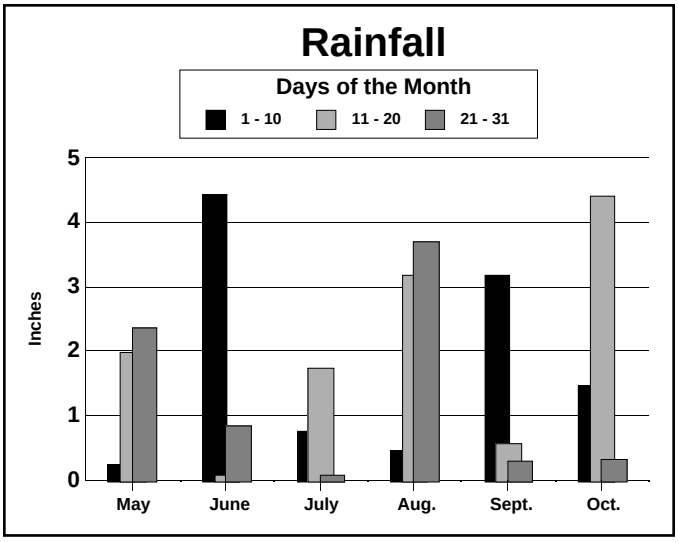

Table 64. Maturity Group V Early Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK5850	Delta King	38.1	44.5	57.2	09/24	33	1
Progeny 5600	Progeny	—	—	55.1	09/22	27	1
Hutcheson	Public	32.1	39.5	53.5	09/22	24	1
Progeny 5120N	Progeny	31.6	34.2	53.5	09/18	29	1
TN96-58 (E)	Public	—	—	52.2	09/22	26	1
Delsoy 5500	Public	33.2	43.3	51.7	09/18	26	1
R96-209 (E)	Public	—	—	50.4	09/18	23	1
Armor 52-C2	Armor	—	—	49.4	09/20	24	1
DP5110S	Deltapine	—	42.5	46.1	09/18	36	2
95B33	Pioneer	23.4	40.8	45.8	09/18	26	1
SS-5200-STS	Southern States	—	—	37.1	09/14	37	2
9511	Pioneer	28.0	28.9	35.2	09/18	40	1
Overall Mean		32.2	36.5	49.0			
LSD (.10)		11.2	6.8	4.4			
Error degrees of freedom		58	57	22			
CV (%)		25.5	13.7	6.4			
R^2 (%)		50	72	88			

[1]Leeper silty clay soil. (E) = Experimental.

Table 65. Maturity Group V Late Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK5995	Delta King	40.7	44.1	59.6	10/01	25	1
DP5989	Deltapine	—	19.8	58.6	09/27	38	2
Bolivar	Public	45.1	27.5	57.8	09/22	26	1
HBK 5991	Hornbeck	—	—	57.3	09/28	27	1
HBK 5812	Hornbeck	—	—	56.5	09/27	34	2
95B97	Pioneer	—	—	54.8	10/01	25	1
A5959	Asgrow	47.9	36.9	53.9	10/01	25	1
Caviness	Public	41.3	26.7	53.7	09/25	23	1
R95-2210 (E)	Public	38.8	38.2	53.3	09/27	23	1
DT96-6840 (E)	Public	44.1	36.9	53.2	09/25	24	1
Hutcheson	Public	25.7	25.6	51.6	09/25	20	1
TV5926	Terral	43.5	35.3	51.6	10/01	24	1
UARK-5798	Public	46.5	27.2	51.1	09/27	28	1
9594	Pioneer	43.7	35.5	50.5	09/27	31	2
SS 597N	SS	42.1	37.9	49.6	09/29	32	1
UARK-5896	Public	—	—	47.7	09/30	29	1
Overall Mean		39.8	32.9	53.8			
LSD (.10)		5.8	7.9	4.2			
Error degrees of freedom		68	58	30			
CV (%)		10.8	17.5	5.6			
R^2 (%)		77	58	70			

[1]Leeper silty clay soil. (E) = Experimental.

Table 66. Maturity Group VI Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
R92-1258 (E)	Public	44.7	25.6	54.5	10/01	35	1
Dillon	Public	44.5	21.2	47.7	10/01	33	1
SANTEE	Public	43.3	33.7	45.2	10/16	41	2
Overall Mean		41.6	26.6	49.1			
LSD (.10)		5.1	9.0	5.2			
Error degrees of freedom		38	16	4			
CV (%)		8.9	23.9	6.1			
R^2 (%)		82	65	84			

[1]Leeper silty clay soil. (E) = Experimental.

Table 67. Roundup Ready Maturity Group III Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
AG3702	Asgrow	—	—	63.0	08/14	30	1
DK 3968RR	Delta King	—	—	59.5	08/10	32	1
DK 3862RR	Delta King	—	—	59.1	08/14	35	1
DK 3964RR	Delta King	—	—	58.4	08/08	38	2
RC3866 (E)	Croplan Genetics	—	—	58.0	08/14	33	1
AG3701	Asgrow	—	—	57.6	08/14	29	1
AG3902	Asgrow	—	—	55.2	08/06	30	1
HBK SB3980R	Hornbeck	—	—	50.1	08/14	25	1
AG3903	Asgrow	—	—	49.7	08/08	33	1
HX38-92955 (E)	Hartz	—	—	48.2	08/03	29	1
DK 3961RR	Delta King	—	—	48.0	08/08	35	1
Overall Mean		—	—	55.1			
LSD (.10)		—	—	9.6			
Error degrees of freedom		—	—	20			
CV (%)		—	—	12.4			
R^2 (%)		—	—	49			

[1]Leeper silty clay soil. (E) = Experimental.
[2]Not planted in 1999 and 2000.

Table 68. Roundup Ready Maturity Group III Soybeans Planted May 14, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 3968RR	Delta King	—	—	57.2	08/28	33	1
HBK SB3980R	Hornbeck	—	—	56.8	09/03	36	1
AG3702	Asgrow	—	—	50.9	09/02	35	1
DK 3862RR	Delta King	—	—	50.7	09/02	37	1
AG3701	Asgrow	—	—	50.1	09/02	31	1
AG3902	Asgrow	—	—	50.1	09/02	33	1
AG3903	Asgrow	—	—	49.3	09/04	37	2
DK 3964RR	Delta King	—	—	48.2	09/02	38	2
HX38-92955 (E)	Hartz	—	—	47.7	08/29	38	2
RC3866 (E)	Croplan Genetics	—	—	45.5	09/03	35	1
DK 3961RR	Delta King	—	—	44.8	09/03	37	1
Overall Mean		—	—	50.1			
LSD (.10)		—	—	12.2			
Error degrees of freedom		—	—	20			
CV (%)		—	—	17.3			
R^2 (%)		—	—	32			

[1]Leeper silty clay soil. (E) = Experimental.
[2]Not planted in 1999 and 2000.

Table 69. Roundup Ready Maturity Group IV Early Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4403	Asgrow	—	—	35.1	08/27	29	1
9480XRR (E)	M & D Gold	—	—	34.4	09/02	41	2
DP4690RR	Deltapine	29.8	—	34.3	09/05	30	2
3443NRR	Dyna-Gro	—	—	33.5	09/02	31	1
TS466RR	Croplan Genetics	24.6	—	31.5	09/04	37	2
4512RR/N	AgriPro/Garst	—	—	29.8	09/02	30	1
DP4344RR	Deltapine	—	—	28.9	08/24	37	2
DK 4461RR	Delta King	—	—	28.7	09/02	26	1
SS RT446N	SS	—	—	28.7	08/27	35	2
3463NRR	Dyna-Gro	32.8	—	28.6	08/27	34	1
HBK R4820	Hornbeck	—	—	28.4	09/05	35	2
RC4444 (E)	Croplan Genetics	—	—	28.0	09/02	30	1
4888RR	AgriPro/Garst	27.8	—	27.9	09/05	35	2
TV4589RR	Terral	26.1	—	26.8	08/24	35	2
AG4702	Asgrow	35.4	—	26.0	09/02	29	2
DPX4300RR (E)	Deltapine	—	—	25.8	08/17	27	1
HBK R4660	Hornbeck	33.3	—	24.6	09/04	37	1
94B73	Pioneer	—	—	24.6	08/22	32	2
Armor 44-R4	Armor	—	—	23.0	08/24	26	1
Armor 47-G7	Armor	—	—	22.8	08/24	29	1
S46-G2	NK	—	—	22.2	08/27	37	1
4501RR/N	AgriPro/Garst	—	—	20.1	08/29	37	1
H4554RR	Hartz	—	—	19.9	08/17	33	1
9410XRR (E)	M & D Gold	—	—	19.5	08/08	31	1
AG4301	Asgrow	—	—	19.2	08/24	31	1
3468NRR	Dyna-Gro	—	—	19.0	08/27	25	1
AG4602	Asgrow	33.6	—	18.4	08/29	32	1
94B23	Pioneer	—	—	16.1	08/17	32	1
HX40-93038 (E)	Hartz	—	—	15.6	08/17	26	1
RT4241 (E)	Croplan Genetics	—	—	15.0	08/20	33	1
HBK SB4310R	Hornbeck	—	—	12.6	08/20	31	1
Overall Mean		28.9	—	24.8			
LSD (.10)		7.1	—	7.1			
Error degrees of freedom		40	—	60			
CV (%)		17.9	—	21.0			
R^2 (%)		55	—	72			

[1]Leeper silty clay soil. (E) = Experimental.
[2]Not published in 2000.

Table 70. Roundup Ready Maturity Group IV Late Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
H4994RR	Hartz	—	42.7	57.6	09/04	38	2
USG 7489RR	USG	—	—	54.3	09/08	36	2
FFR 4900RR	FFR	—	—	53.5	09/04	37	2
HBK R4920	Hornbeck	—	35.6	51.6	09/11	35	1
DK XTJ201RR (E)	Delta King	—	—	51.2	09/02	30	1
DK4868RR	Delta King	33.7	44.0	50.9	09/03	28	1
SS RT4980	SS	—	37.9	50.8	09/14	33	1
DG 4950RR	Delta Grow	—	—	50.2	09/02	37	1
DPX4885RR (E)	Deltapine	—	—	49.9	09/05	37	1
Genesis A504RR	Genesis	—	—	48.4	09/08	35	1
RC4995 (E)	Croplan Genetics	—	—	48.2	09/11	35	1
ES Prairie RR	ES	—	34.6	47.9	09/03	42	4
YRC49 (E)	Croplan Genetics	—	—	47.9	09/11	25	1
SS RT46704N	SS	—	23.5	47.8	09/02	51	1
SG498RR	Deltapine	32.0	32.5	47.2	09/12	30	1
AG5001	Asgrow	27.9	24.4	46.2	09/08	31	1
AG4902	Asgrow	30.9	46.1	45.5	09/03	32	1
4803RR	Dixie	—	36.0	44.4	09/11	30	1
AG4702	Asgrow	—	45.4	44.4	09/04	28	1
HBK R5101	Hornbeck	—	—	43.9	09/11	42	2
Genesis A484RR	Genesis	—	—	43.9	09/05	32	1
V492NRR	Vigoro	—	—	43.5	09/03	35	2
9492	Pioneer	30.7	41.8	42.4	09/14	26	1
Morsoy RT4809	Morsoy	—	45.9	42.3	09/11	28	1
DK4762RR	Delta King	35.1	40.9	41.7	09/08	34	1
TV4886RR	Terral	—	33.0	40.9	09/05	40	1
3484NRR	Dyna-Gro	—	43.0	39.4	09/04	32	1
DK XTJ184RR (E)	Delta King	—	—	39.3	08/27	34	1
TV4890RR	Terral	30.1	40.8	38.9	09/11	34	1
DK 4763RR	Delta King	—	—	38.6	09/11	29	1
B481RR	Genesis	—	—	38.4	09/04	37	1
Progeny 4858RR	Progeny	—	—	38.0	09/08	31	1
DK4965RR	Delta King	31.4	48.5	37.9	09/20	28	1
AG4602	Asgrow	—	—	37.6	09/03	32	1
S51-TI	NK	35.0	31.7	37.5	09/14	48	3
H4884RR	Hartz	—	30.6	37.5	09/08	30	1
RC 4848	Croplan Genetics	30.3	37.3	34.8	09/02	32	1
DG 4850RR	Delta Grow	—	45.0	33.6	09/11	31	1
Overall Mean		29.8	38.3	44.4			
LSD (.10)		6.1	10.4	6.3			
Error degrees of freedom		34	56	74			
CV (%)		14.7	19.9	10.4			
R^2 (%)		46	53	72			

[1]Leeper silty clay soil. (E) = Experimental.

Table 71. Roundup Ready Maturity Group V Early Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
95B53	Pioneer	42.0	35.9	65.7	09/22	28	1
DP5414RR	Deltapine	—	29.9	63.5	09/24	33	2
AG5701	Asgrow	—	34.4	61.7	09/28	29	1
SS RT557N	SS	—	—	60.9	09/20	34	2
Armor 54-Z4	Armor	—	—	60.7	09/22	27	1
RC5454 (E)	Croplan Genetics	—	—	60.7	09/22	33	1
AG5501	Asgrow	—	27.2	60.4	09/24	31	1
3535NRR	Dyna-Gro	—	29.9	60.0	09/25	30	2
DK 5366RR	Delta King	—	39.0	59.7	09/27	26	1
DK 5465RR	Delta King	—	32.8	59.7	09/24	28	1
95B32	Pioneer	—	30.8	59.6	09/18	26	1
DK 5668RR	Delta King	—	33.2	59.3	09/27	29	1
3562NRR	Dyna-Gro	—	33.6	59.3	09/25	31	2
B544RR	Genesis	—	—	58.7	09/22	26	1
DK5661RR	Delta King	44.7	30.2	58.6	09/27	36	1
DG 5630RR	Delta Grow	—	30.9	58.6	10/03	33	2
5512RR/N	AgriPro/Garst	—	—	58.6	09/20	28	1
HBK R5588	Hornbeck	36.5	30.6	58.4	09/14	29	2
YRC56 (E)	Croplan Genetics	—	—	58.2	09/22	25	1
DG 5450RR	Delta Grow	—	—	58.1	09/22	28	1
RC5252 (E)	Croplan Genetics	—	—	57.9	09/18	32	1
Progeny 5660RR	Progeny	—	—	57.7	09/27	33	2
Progeny 5415RR	Progeny	—	—	57.6	09/22	26	1
AG5602	Asgrow	34.7	25.5	57.6	09/24	29	1
S59-V6RR	NK	38.9	35.2	57.4	09/30	32	2
Armor 53-K3	Armor	—	—	57.2	09/20	25	1
RT5110N	Morsoy	—	—	57.1	09/18	29	1
3543NRR	Dyna-Gro	—	—	57.0	09/22	29	1
DG 5250RR	Delta Grow	—	—	57.0	09/22	29	1
540nRR	USG	—	31.6	56.9	09/25	33	1
Delta Grow 5600RR	Delta Grow	—	—	56.8	09/25	26	1
TVX56R001 (E)	Terral	—	—	56.7	10/06	38	2
USG 7547RR	USG	41.5	32.0	56.5	09/18	28	2
V562NRR	Vigoro	—	—	56.5	09/25	33	1
DK XTJ204RR (E)	Delta King	—	—	56.3	10/04	32	2
TVX5R400 (E)	Terral	—	—	55.6	09/22	28	1
DK XTJ203RR (E)	Delta King	—	—	55.5	09/24	31	1
DK XTJ202RR (E)	Delta King	—	—	55.4	09/27	28	2
TVX5R600 (E)	Terral	—	—	55.3	09/28	35	2
HBK R5420	Hornbeck	—	—	55.2	09/24	28	1
TVX54R001 (E)	Terral	—	—	55.0	09/22	28	1
DP5644 RR	Deltapine	38.4	32.8	55.0	09/25	32	2
HBK R5620	Hornbeck	—	—	54.8	10/03	30	2
DK XTJ205RR (E)	Delta King	—	—	54.6	09/27	32	2
H5231RR	Hartz	—	24.9	54.4	09/25	30	1
TV 5666RR	Terral	37.4	32.3	54.3	09/25	31	2
3518NRR	Dyna-Gro	—	—	52.9	09/18	34	2
ES Ranger RR	ES	—	35.8	52.4	09/22	23	1
ES Punch RR	ES	—	32.3	51.9	09/18	34	1
SS-RT 5001N	Southern States	—	—	51.6	09/14	35	2
AG5603	Asgrow	—	—	50.9	09/23	29	1
YRC51 (E)	Croplan Genetics	—	—	50.8	09/24	32	2
TV52R42	Terral	—	31.7	50.8	09/16	31	2
B531RR	Genesis	—	—	50.4	09/14	27	1
TV5486RR	Terral	45.6	28.2	49.3	09/14	46	2
SS RT517N	SS	33.4	45.8	47.6	09/14	19	1
9551XRR (E)	M & D Gold	—	—	45.2	09/16	40	1
AG5001	Asgrow	—	—	37.3	09/12	32	2
9492	Pioneer	26.4	26.2	37.2	09/12	31	1
Overall Mean		35.5	30.9	55.8			
LSD (.10)		6.1	5.6	4.7			
Error degrees of freedom		62	82	116			
CV (%)		12.6	13.3	6.2			
R^2 (%)		73	76	78			

[1]Leeper silty clay soil. (E) = Experimental.

Table 72. Roundup Ready Maturity Group V Late Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
S58-R3	NK	—	—	63.0	09/28	29	1
TVX58R001 (E)	Terral	—	—	61.3	10/01	34	2
AG5701	Asgrow	45.1	33.1	59.7	10/01	34	2
DP5915RR	Deltapine	53.9	34.4	58.3	10/01	35	2
TVX5R800 (E)	Terral	—	—	57.7	10/01	37	2
YRC58 (E)	Croplan Genetics	—	—	57.2	09/25	39	2
S59-V6RR	NK	38.1	34.3	57.1	10/01	29	2
SS RT 5999N	SS	—	26.9	56.9	09/25	37	2
USG 7585nRR	USG	—	—	56.9	10/03	34	2
3582NRR	Dyna-Gro	—	36.4	56.8	10/06	38	2
DP5806 RR	Deltapine	46.4	36.1	56.7	09/30	38	2
DG 5950RR	Delta Grow	40.4	35.5	56.1	10/01	40	2
DK5762RR	Delta King	27.6	35.3	56.1	09/28	35	1
Armor 59-B9	Armor	—	—	55.7	09/25	37	1
HBK R5920	Hornbeck	44.4	33.5	55.2	10/03	30	1
USG EXP 570 (E)	USG	—	—	54.9	10/01	38	2
Armor 56-J6	Armor	—	—	54.8	10/01	36	1
590RR	Croplan Genetics	40.1	33.9	54.5	10/01	41	2
H5885RR	Hartz	—	36.1	54.4	09/25	28	1
HBK R6020	Hornbeck	45.1	30.3	54.4	10/06	40	2
95B96	Pioneer	—	—	54.1	09/25	32	1
TV59R85	Terral	—	35.0	53.5	10/01	39	2
SS RT587N	SS	37.2	30.6	53.3	09/28	38	1
HBK R5820	Hornbeck	—	—	53.2	09/25	38	1
AG 5901	Asgrow	40.1	31.3	52.5	09/28	35	2
TV59R98	Terral	—	—	52.3	09/28	36	2
ES Marshal RR	ES	—	31.6	51.9	09/28	39	2
TVX5R900 (E)	Terral	—	—	51.9	09/28	38	1
ES Trooper RR	ES	—	32.5	51.5	09/30	33	1
Progeny 5900RR	Progeny	—	34.3	51.2	10/03	38	2
H5999RR	Hartz	45.7	35.5	49.3	09/28	34	2
AG5902	Asgrow	—	35.2	49.0	10/03	32	1
YRC57 (E)	Croplan Genetics	—	—	48.1	09/28	30	1
DK5961RR	Delta King	36.5	24.5	46.0	10/03	30	2
Overall Mean		40.8	31.1	54.6			
LSD (.10)		9.2	6.0	4.1			
Error degrees of freedom		62	74	66			
CV (%)		16.5	14.2	5.5			
R^2 (%)		57	72	70			

[1]Leeper silty clay soil. (E) = Experimental.

Table 73. Roundup Ready Maturity Group VI Soybeans Planted April 27, 2001 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
XR0162N44 (E)	AgriPro/Garst	—	—	55.9	10/01	36	1
AG6201	Asgrow	—	—	53.6	10/01	35	1
V602NRR	Vigoro	—	—	52.2	10/03	38	2
TS6299RR (E)	Croplan Genetics	—	—	50.6	09/28	36	1
6612RR/N	AgriPro/Garst	—	—	49.1	10/16	34	1
AG6101	Asgrow	—	—	43.3	09/28	37	2
Overall Mean		—	—	50.8			
LSD (.10)		—	—	4.2			
Error degrees of freedom		—	—	10			
CV (%)		—	—	5.5			
R^2 (%)		—	—	81			

[1]Leeper silty clay soil. (E) = Experimental.
[2]Not planted in 1999 and 2000.

Location 6. Gaddis Farms, Bolton

Location Summary

The test plots were located near Raymond. Good moisture at planting provided good stands. Excessive rains fell during the pod fill period. Although insect levels were low for the most part, plots were treated for stink bugs and soybean loopers.

Soil type . . . . . **Loring silt loam**
Soil pH **5.8**
Soil fertility . . . . . **P = M, K = M**
Fertilizer added . . . . . **None**

Herbicide application . . . . **Preemergence — Conventional – None**
Postemergence — Conventional – Storm @ 0.75 lb/A + Select @ 0.125 lb/A + 1.2% crop oil concentrate
First Rate @ 0.25 oz/A + Select @ 0.125 lb/A + 1.2 % crop oil concentrate
Postemergence — Roundup Ready – Roundup Ultra Max @ 0.75 lb/A (2 applications)

Insecticide application . . . **Methyl Parathion @ 0.25 lb/A + Intrepid @ .03 lb/A**
Planting date . . . . . **May 10**
Harvest date . . . . . **Group IV — September 21**
Group V & VI — October 24

Rainfall Summary

	Inches
May	**2.65**
June	**8.00**
July	**8.97**
August	**3.88**
September	**10.45**
October	**4.44**
Total	**38.39**

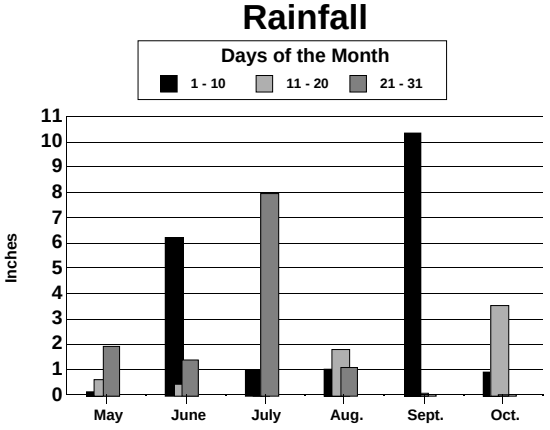

Table 74. Maturity Group IV Soybeans Planted May 10, 2001 (Bolton, Hinds County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK4680	Delta King	34.8	31.6	59.8	09/13	32	1
DT97-4290 (E)	Public	39.5	21.5	59.3	09/07	42	2
Progeny 4910	Progeny	—	22.0	59.0	09/03	44	2
Dixie 478	Dixie	47.6	16.2	58.0	09/03	44	4
HBK 4891	Hornbeck	29.2	13.8	57.7	09/03	37	3
DK4711	Delta King	—	21.3	57.2	09/03	41	3
9511	Pioneer	33.8	24.9	55.3	09/14	44	3
TV4881	Terral	35.5	17.7	55.1	09/13	40	3
DP4748S	Deltapine	—	—	55.0	09/06	46	5
TV 4975	Terral	34.2	21.3	53.4	09/14	45	4
94B54	Pioneer	—	—	52.2	08/31	41	2
FFR 4900RR	FFR	—	—	52.0	09/13	38	3
Overall Mean		36.4	21.2	56.2			
LSD (.10)		8.6	6.2	12.3			
Error degrees of freedom		—	—	22			
CV (%)		—	—	15.6			
R^2 (%)		—	—	26			

[1]Loring silt loam soil. (E) = Experimental.

Table 75. Maturity Group V Early Soybeans Planted May 10, 2001 (Bolton, Hinds County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
95B33	Pioneer	34.4	17.7	64.7	09/22	36	1
Hutcheson	Public	31.4	20.4	59.6	09/20	37	1
R96-209 (E)	Public	—	—	57.9	09/19	38	3
DP5110S	Deltapine	—	22.4	57.6	09/07	54	3
Progeny 5600	Progeny	—	—	56.3	09/20	32	2
TN96-58 (E)	Public	—	—	55.0	09/25	29	1
Armor 52-C2	Armor	—	—	53.6	09/13	29	1
9511	Pioneer	27.1	20.6	53.5	09/13	47	3
Progeny 5120N	Progeny	31.4	16.5	52.7	09/19	40	2
Delsoy 5500	Public	30.4	22.3	49.0	09/12	37	2
DK5850	Delta King	35.2	24.4	46.1	09/14	38	3
SS-5200-STS	Southern States	—	—	31.6	09/17	51	4
Overall Mean		29.6	18.1	53.1			
LSD (.10)		7.9	5.4	9.0			
Error degrees of freedom		58	58	22			
CV (%)		19.6	22.1	12.1			
R^2 (%)		58	71	76			

[1]Loring silt loam soil. (E) = Experimental.

Table 76. Maturity Group V Late Soybeans Planted May 10, 2001 (Bolton, Hinds County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
9594	Pioneer	24.7	—	64.6	09/22	35	3
A5959	Asgrow	—	—	63.9	09/28	36	4
DK5995	Delta King	35.4	—	59.7	09/25	33	2
95B97	Pioneer	—	—	59.1	09/25	37	3
SS 597N	SS	20.3	—	58.5	09/29	34	3
HBK 5991	Hornbeck	29.4	—	58.1	09/25	44	2
UARK-5798	Public	28.0	—	57.4	09/13	40	3
TV5926	Terral	29.5	—	57.0	09/25	36	3
R95-2210 (E)	Public	26.7	—	56.7	09/29	35	3
Hutcheson	Public	31.2	—	56.2	09/25	27	1
HBK 5812	Hornbeck	—	—	55.6	09/25	44	4
UARK-5896	Public	28.9	—	55.0	09/22	36	3
DP5989	Deltapine	—	—	53.3	09/25	40	3
Bolivar	Public	27.8	—	48.6	09/20	39	3
Caviness	Public	29.3	—	47.9	09/15	29	3
DT96-6840 (E)	Public	29.3	—	41.9	09/21	36	4
Overall Mean		26.7	—	55.8			
LSD (.10)		7.2	—	11.1			
Error degrees of freedom		68	—	30			
CV (%)		19.7	—	14.3			
R^2 (%)		54	—	45			

[1]Loring silt loam soil. (E) = Experimental.
[2]No yields in 2000.

Table 77. Maturity Group VI Soybeans Planted May 10, 2001 (Bolton, Hinds County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
R92-1258 (E)	Public	27.3	—	60.6	10/10	42	3
SANTEE	Public	17.7	—	52.3	10/12	50	3
Dillon	Public	21.5	—	51.4	10/08	35	2
Overall Mean		19.9	—	54.8			
LSD (.10)		7.3	—	11.2			
Error degrees of freedom		38	—	4			
CV (%)		26.8	—	11.7			
R^2 (%)		55	—	50			

[1]Loring silt loam soil. (E) = Experimental.
[2]No yields in 2000.

Table 78. Roundup Ready Maturity Group IV Early Soybeans Planted May 10, 2001 (Bolton, Hinds County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
RC4444 (E)	Croplan Genetics	—	—	55.4	08/30	43	3
4512RR/N	AgriPro/Garst	—	—	55.4	08/31	41	2
S46-G2	NK	—	—	54.9	08/31	41	2
3443NRR	Dyna-Gro	—	—	54.4	08/26	32	1
AG4301	Asgrow	—	—	52.9	08/30	32	2
DK 4461RR	Delta King	—	—	52.5	08/31	38	2
HBK R4660	Hornbeck	—	20.6	51.2	08/31	45	3
AG4403	Asgrow	—	18.6	50.6	09/03	39	2
H4554RR	Hartz	—	—	50.2	08/25	28	1
4888RR	AgriPro/Garst	—	23.2	50.1	09/13	42	5
AG4702	Asgrow	—	21.8	49.0	08/30	28	1
AG4602	Asgrow	—	24.6	48.7	09/03	42	3
94B73	Pioneer	—	—	48.6	08/28	38	4
9480XRR (E)	M & D Gold	—	—	47.4	08/30	40	2
3463NRR	Dyna-Gro	—	14.6	47.3	08/31	37	2
HBK R4820	Hornbeck	—	—	47.2	09/08	36	2
HX40-93038 (E)	Hartz	—	—	46.7	08/27	35	2
Armor 44-R4	Armor	—	—	44.5	08/22	26	1
DP4690RR	Deltapine	—	24.5	43.5	08/31	38	3
4501RR/N	AgriPro/Garst	—	—	43.3	08/25	34	1
TS466RR	Croplan Genetics	—	17.5	43.3	08/26	27	1
DPX4300RR (E)	Deltapine	—	—	44.2	08/22	28	1
DP4344RR	Deltapine	—	10.3	41.9	08/31	38	5
SS RT446N	SS	—	16.9	41.8	08/28	39	2
Armor 47-G7	Armor	—	—	41.3	08/25	27	1
RT4241 (E)	Croplan Genetics	—	—	39.9	08/21	27	1
HBK SB4310R	Hornbeck	—	—	38.3	08/23	28	1
TV4589RR	Terral	—	17.2	38.2	08/28	28	1
3468NRR	Dyna-Gro	—	—	38.1	08/25	26	1
9410XRR (E)	M & D Gold	—	—	33.1	08/21	26	1
94B23	Pioneer	—	—	29.5	08/25	26	1
Overall Mean		—	19.0	45.2			
LSD (.10)		—	3.8	13.1			
Error degrees of freedom		—	28	60			
CV (%)		—	14.4	21.3			
R^2 (%)		—	86	49			

[1]Loring silt loam soil. (E) = Experimental.
[2]Not planted in 1999.

Table 79. Roundup Ready Maturity Group IV Late Soybeans Planted May 10, 2001 (Bolton, Hinds County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
V492NRR	Vigoro	—	—	59.5	08/31	45	4
AG4902	Asgrow	—	19.4	57.6	08/30	36	1
3484NRR	Dyna-Gro	—	25.2	56.6	08/30	38	2
DK4762RR	Delta King	—	25.1	56.1	09/06	48	2
SG498RR	Deltapine	—	23.7	56.0	09/07	30	1
B481RR	Genesis	—	—	55.6	08/30	35	2
DK XTJ201RR (E)	Delta King	—	—	54.9	08/31	35	1
HBK R4920	Hornbeck	—	24.2	54.8	09/03	40	3
TV4886RR	Terral	—	29.7	54.7	08/28	37	1
SS RT4980	SS	—	25.8	54.3	09/06	44	5
YRC49 (E)	Croplan Genetics	—	—	54.3	09/13	27	1
DK XTJ184RR (E)	Delta King	—	—	54.2	08/30	40	2
DG 4850RR	Delta Grow	—	21.5	53.8	09/03	40	2
DG 4950RR	Delta Grow	—	—	53.7	08/28	45	3
DK4868RR	Delta King	—	30.5	53.6	08/28	33	1
DK4965RR	Delta King	—	33.3	53.5	09/06	41	2
H4884RR	Hartz	—	25.8	53.5	08/31	41	2
TV4890RR	Terral	—	15.9	53.2	08/28	39	2
USG 7489RR	USG	—	—	53.1	08/28	37	3
RC 4848	Croplan Genetics	—	18.9	52.6	09/07	40	4
9492	Pioneer	—	15.4	52.6	08/30	34	1
HBK R5101	Hornbeck	—	—	52.3	09/05	43	3
S51-TI	NK	—	24.4	52.1	09/13	61	4
AG4702	Asgrow	—	14.7	51.9	08/27	34	1
FFR 4900RR	FFR	—	—	51.6	09/13	36	2
Progeny 4858RR	Progeny	—	—	50.9	08/31	42	3
AG4602	Asgrow	—	—	50.7	08/30	37	2
DK 4763RR	Delta King	—	—	49.9	08/30	31	2
H4994RR	Hartz	—	23.0	49.2	09/06	31	2
SS RT46704N	SS	—	16.3	47.9	09/15	42	3
DPX4885RR (E)	Deltapine	—	—	47.9	08/31	40	4
Genesis A484RR	Genesis	—	—	47.0	09/03	41	2
AG5001	Asgrow	—	8.8	46.6	09/03	40	4
ES Prairie RR	ES	—	26.2	45.9	09/06	43	5
RC4995 (E)	Croplan Genetics	—	—	45.5	09/06	45	5
4803RR	Dixie	—	25.9	45.5	09/06	41	2
Genesis A504RR	Genesis	—	—	43.6	09/03	38	1
Morsoy RT4809	Morsoy	—	26.9	37.3	09/06	31	2
Overall Mean		—	23.2	51.7			
LSD (.10)		—	5.4	11.4			
Error degrees of freedom		—	56	74			
CV (%)		—	17.0	16.2			
R^2 (%)		—	68	49			

[1]Loring silt loam soil. (E) = Experimental.
[2]Not planted in 1999.

Table 80. Roundup Ready Maturity Group V Early Soybeans Planted May 10, 2001 (Bolton, Hinds County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5644 RR	Deltapine	—	16.0	69.8	09/25	40	2
DG 5250RR	Delta Grow	—	—	69.7	09/21	29	1
RC5252 (E)	Croplan Genetics	—	—	67.6	09/21	35	2
AG5501	Asgrow	—	15.1	66.6	09/25	35	2
DK 5465RR	Delta King	—	19.0	64.7	09/22	34	1
Armor 54-Z4	Armor	—	—	63.0	09/23	32	1
DK5661RR	Delta King	—	21.7	62.1	09/21	38	2
B544RR	Genesis	—	—	62.1	09/22	30	1
RT5110N	Morsoy	—	—	61.7	09/25	31	1
DG 5630RR	Delta Grow	—	14.4	61.2	09/28	36	3
AG5602	Asgrow	—	16.7	60.5	09/25	32	2
95B53	Pioneer	—	19.3	59.8	09/22	32	2
Armor 53-K3	Armor	—	—	59.8	09/14	29	1
HBK R5420	Hornbeck	—	—	59.7	09/25	32	1
540nRR	USG	—	22.9	59.5	09/21	31	1
Progeny 5415RR	Progeny	—	—	59.4	09/25	31	1
TVX5R400 (E)	Terral	—	—	59.0	09/23	29	1
TVX54R001 (E)	Terral	—	—	58.3	09/23	30	1
DK XTJ203RR (E)	Delta King	—	—	57.9	09/14	33	1
DK XTJ202RR (E)	Delta King	—	—	57.7	09/22	35	3
AG5701	Asgrow	—	15.7	57.2	09/25	36	2
DK XTJ204RR (E)	Delta King	—	—	57.0	09/28	36	3
3543NRR	Dyna-Gro	—	—	56.7	09/23	29	1
AG5603	Asgrow	—	—	56.5	09/20	33	1
DK 5366RR	Delta King	—	15.4	56.4	09/26	35	3
DG 5450RR	Delta Grow	—	—	56.2	09/22	33	1
H5231RR	Hartz	—	12.8	56.0	09/20	33	1
3535NRR	Dyna-Gro	—	20.5	55.7	09/25	37	4
ES Ranger RR	ES	—	10.3	55.7	09/12	30	4
B531RR	Genesis	—	—	55.6	09/22	27	1
95B32	Pioneer	—	13.9	55.4	09/18	29	1
DK 5668RR	Delta King	—	15.7	55.0	09/21	33	3
Progeny 5660RR	Progeny	—	—	54.8	09/29	41	3
RC5454 (E)	Croplan Genetics	—	—	54.8	09/23	34	1
V562NRR	Vigoro	—	—	54.4	09/29	33	3
3518NRR	Dyna-Gro	—	—	54.2	09/12	34	3
YRC51 (E)	Croplan Genetics	—	—	53.8	09/20	36	2
TVX56R001 (E)	Terral	—	—	53.8	09/29	38	4
USG 7547RR	USG	—	14.4	53.5	09/13	35	4
TVX5R600 (E)	Terral	—	—	53.3	09/29	41	3
HBK R5588	Hornbeck	—	12.0	53.2	09/24	46	3
HBK R5620	Hornbeck	—	—	52.9	09/28	36	3
S59-V6RR	NK	—	14.0	52.5	09/25	33	3
TV52R42	Terral	—	14.8	52.4	09/13	38	2
5512RR/N	AgriPro/Garst	—	—	52.1	09/22	35	1
DP5414RR	Deltapine	—	17.5	52.0	09/21	36	2
YRC56 (E)	Croplan Genetics	—	—	50.2	09/20	32	3
DK XTJ205RR (E)	Delta King	—	—	49.4	09/20	32	4
SS RT557N	SS	—	18.5	49.3	09/22	32	4
SS-RT 5001N	Southern States	—	—	47.6	09/13	34	3
SS RT517N	SS	—	27.0	47.5	09/19	32	2
3562NRR	Dyna-Gro	—	20.3	47.5	09/25	34	3
Delta Grow 5600RR	Delta Grow	—	—	47.1	09/14	34	4
TV 5666RR	Terral	—	14.7	46.1	09/22	40	4
9492	Pioneer	—	9.3	44.0	09/18	34	1
AG5001	Asgrow	—	—	43.0	09/13	41	5
ES Punch RR	ES	—	19.8	41.2	09/20	39	3
TV5486RR	Terral	—	11.9	39.2	09/14	54	4
9551XRR (E)	M & D Gold	—	—	38.9	09/12	45	3
Overall Mean		—	15.2	55.1			
LSD (.10)		—	7.8	8.4			
Error degrees of freedom		—	82	116			
CV (%)		—	37.6	11.2			
R^2 (%)		—	66	68			

[1]Loring silt loam soil. (E) = Experimental.
[2]Not Planted in 1999.

Table 81. Roundup Ready Maturity Group V Late Soybeans Planted May 10, 2001 (Bolton, Hinds County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
S58-R3	NK	—	—	57.2	09/21	28	3
AG5701	Asgrow	—	—	57.1	09/28	35	4
TVX5R900 (E)	Terral	—	—	56.6	09/28	43	4
AG5902	Asgrow	—	—	55.7	09/29	40	2
DP5915RR	Deltapine	—	—	55.3	09/28	36	2
USG 7585nRR	USG	—	—	54.9	09/28	42	4
DK5961RR	Delta King	—	—	54.8	09/28	36	3
DG 5950RR	Delta Grow	—	—	54.7	09/28	39	3
H5885RR	Hartz	—	—	54.7	09/21	36	3
AG 5901	Asgrow	—	—	54.6	09/28	37	3
Progeny 5900RR	Progeny	—	—	54.0	09/28	43	3
Armor 56-J6	Armor	—	—	53.6	09/29	35	4
SS RT 5999N	SS	—	—	52.8	09/21	39	3
HBK R5920	Hornbeck	—	—	52.5	09/28	38	3
DP5806 RR	Deltapine	—	—	52.3	09/25	35	3
DK5762RR	Delta King	—	—	51.8	09/28	41	4
95B96	Pioneer	—	—	51.6	09/22	35	1
YRC58 (E)	Croplan Genetics	—	—	50.9	09/21	40	3
590RR	Croplan Genetics	—	—	49.6	09/28	37	3
USG EXP 570 (E)	USG	—	—	49.6	09/29	36	4
TV59R98	Terral	—	—	48.7	09/27	42	3
HBK R5820	Hornbeck	—	—	48.6	09/27	40	3
YRC57 (E)	Croplan Genetics	—	—	47.5	09/29	35	3
S59-V6RR	NK	—	—	47.0	09/14	32	3
TVX58R001 (E)	Terral	—	—	45.8	09/28	33	4
3582NRR	Dyna-Gro	—	—	45.8	09/28	39	4
TV59R85	Terral	—	—	45.3	09/25	46	2
HBK R6020	Hornbeck	—	—	45.0	10/03	41	3
ES Trooper RR	ES	—	—	44.7	09/25	33	2
TVX5R800 (E)	Terral	—	—	42.9	10/03	32	4
H5999RR	Hartz	—	—	41.6	09/28	39	3
SS RT587N	SS	—	—	39.5	09/29	35	3
Armor 59-B9	Armor	—	—	39.5	09/25	45	4
ES Marshal RR	ES	—	—	27.3	09/14	41	2
Overall Mean		—	—	49.5			
LSD (.10)		—	—	11.1			
Error degrees of freedom		—	—	66			
CV (%)		—	—	16.5			
R^2 (%)		—	—	51			

[1]Loring silt loam soil. (E) = Experimental.
[2]Not planted in 1999; no yields in 2000.

Table 82. Roundup Ready Maturity Group VI Soybeans Planted May 10, 2001 (Bolton, Hinds County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999[2]	2000[2]	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
V602NRR	Vigoro	—	—	46.2	09/29	41	3
AG6101	Asgrow	—	—	44.5	10/03	40	4
6612RR/N	AgriPro/Garst	—	—	43.6	01/09	45	1
AG6201	Asgrow	—	—	41.8	10/02	43	4
XR0162N44 (E)	AgriPro/Garst	—	—	38.5	09/27	40	4
TS6299RR (E)	Croplan Genetics	—	—	34.7	09/25	38	3
Overall Mean		—	—	41.5			
LSD (.10)		—	—	12.0			
Error degrees of freedom		—	—	10			
CV (%)		—	—	19.5			
R^2 (%)		—	—	48			

[1]Loring silt loam soil. (E) = Experimental.
[2]Not planted in 1999 and 2000.

Location 7. Gibb Steele Farm, Longwood

Location Summary

The 2001 growing season was above average for soybean production. Rain occurred as the crop developed on a timely basis. Temperatures were mild to moderate, excellent for crop development. Excessive rains began in mid-August as the Group IV varieties were beginning to mature for harvest. These rains continued through the first week of September. Rains again occurred for a brief period in mid-October as the Group V varieties matured. Both of these events caused damage to seed quality while the test waited for conditions to improve so that harvest could be completed.

Soil type . . . . . Sharkey clay
Soil pH 7.6
Soil fertility . . . . . P = H, K = H+
Fertilizer added . . . . . None

Herbicide application . . . Preemergence — Roundup Ready – Roundup Ready Ultra @ 0.75 lb/A
Conventional – Scepter @ 0.125 lb/A + Dual Magnum @ 0.95 lb/A + Roundup Ultra @ 0.75 lb/A
Postemergence — Roundup Ready – Roundup Ultra Max @ 0.75 lb/A
Conventional – Reflex @ 0.35 lb/A + Select @ 0.125 lb/A + .5% crop oil concentrate

Irrigation . . . . . June 21 & July 7
Planting date . . . . . April 26
Harvest date . . . . . October 23

Table 83. Maturity Group IV Soybeans Planted April 26, 2001 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
9511	Pioneer	70.2	52.9	72.9	09/10	41	2
Dixie 478	Dixie	53.1	58.4	66.6	09/09	34	1
DK4680	Delta King	50.2	45.4	66.1	09/08	32	1
DP4748S	Deltapine	—	—	65.6	09/07	36	3
FFR 4900RR	FFR	—	—	63.5	09/10	26	1
TV 4975	Terral	71.3	62.7	61.6	09/10	41	2
Progeny 4910	Progeny	—	72.4	60.4	09/11	30	1
HBK 4891	Hornbeck	47.6	59.0	56.7	09/07	31	2
DT97-4290 (E)	Public	65.0	64.7	55.8	09/06	29	3
TV4881	Terral	52.7	53.3	53.7	09/07	30	2
DK4711	Delta King	—	55.7	50.2	09/11	27	1
94B54	Pioneer	—	—	44.2	09/10	24	1
Overall Mean		58.6	58.3	59.8			
LSD (.10)		7.5	9.3	12.7			
Error degrees of freedom		—	—	22			
CV (%)		—	—	15.1			
R^2 (%)		—	—	68			

[1]Sharkey clay soil. (E) = Experimental.

Rainfall Summary

	Inches
May	3.47
June	2.91
July	3.92
August	3.65
September	4.33
October	4.40
Total	22.68

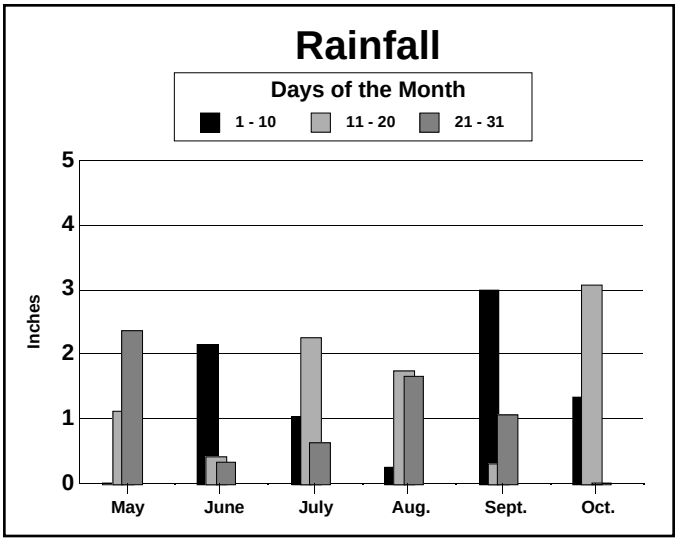

Table 84. Maturity Group V Early Soybeans Planted April 26, 2001 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
95B33	Pioneer	55.2	63.8	74.3	09/17	28	1
R96-209 (E)	Public	—	—	74.0	09/16	23	1
Delsoy 5500	Public	64.2	60.8	72.1	09/16	26	2
Progeny 5120N	Progeny	59.3	54.2	64.6	09/13	30	1
DP5110S	Deltapine	—	67.5	60.3	09/11	33	3
Armor 52-C2	Armor	—	—	59.4	09/11	24	1
DK5850	Delta King	60.2	56.8	59.0	09/17	25	1
Progeny 5600	Progeny	—	—	58.9	09/09	31	3
9511	Pioneer	64.5	52.2	56.5	09/13	38	3
SS-5200-STS	Southern States	—	—	55.6	09/16	45	3
TN96-58 (E)	Public	—	—	55.5	09/23	24	1
Hutcheson	Public	47.8	47.3	52.5	09/22	26	1
Overall Mean		53.6	55.1	61.9			
LSD (.10)		7.9	6.6	12.7			
Error degrees of freedom		58	58	22			
CV (%)		10.8	8.8	14.7			
R^2 (%)		78	80	51			

[1]Sharkey clay soil. (E) = Experimental.

Table 85. Maturity Group V Late Soybeans Planted April 26, 2001 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
A5959	Asgrow	64.4	60.4	75.7	09/22	29	2
DK5995	Delta King	60.6	58.0	75.3	09/25	37	2
9594	Pioneer	69.6	67.8	72.8	09/26	27	1
R95-2210 (E)	Public	59.4	51.0	72.1	09/21	31	2
95B97	Pioneer	—	—	71.6	09/24	27	2
UARK-5798	Public	65.2	58.5	70.6	09/25	34	2
HBK 5812	Hornbeck	—	—	70.5	09/30	38	3
DT96-6840 (E)	Public	69.1	58.3	69.1	09/21	26	2
HBK 5991	Hornbeck	—	—	69.0	09/22	29	1
DP5989	Deltapine	—	51.8	68.6	09/26	42	3
SS 597N	SS	56.6	48.6	67.1	09/25	32	2
Hutcheson	Public	54.6	47.3	67.1	09/18	29	2
Bolivar	Public	61.9	54.3	60.3	09/17	34	4
Caviness	Public	55.6	54.1	57.9	09/15	24	2
TV5926	Terral	59.7	46.7	53.8	09/23	30	1
UARK-5896	Public	—	—	49.8	09/20	28	2
Overall Mean		58.0	54.5	67.0			
LSD (.10)		4.7	8.7	6.4			
Error degrees of freedom		70	66	30			
CV (%)		5.9	13.1	6.9			
R^2 (%)		89	92	80			

[1]Sharkey clay soil. (E) = Experimental.

Table 86. Roundup Ready Maturity Group IV Early Soybeans Planted April 26, 2001 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4820	Hornbeck	—	—	66.0	09/09	28	2
4888RR	AgriPro/Garst	55.1	66.3	58.3	09/08	29	2
AG4702	Asgrow	60.2	61.3	57.6	09/07	34	1
TS466RR	Croplan Genetics	55.8	49.7	54.8	08/27	34	2
AG4403	Asgrow	—	54.0	54.2	08/23	30	1
DP4690RR	Deltapine	59.4	59.4	53.4	09/11	27	1
AG4602	Asgrow	49.7	50.8	52.6	09/04	30	1
RC4444 (E)	Croplan Genetics	—	—	52.5	08/23	28	1
DPX4300RR (E)	Deltapine	—	—	51.9	08/23	30	2
3443NRR	Dyna-Gro	—	—	50.5	09/04	23	1
4512RR/N	AgriPro/Garst	—	—	50.1	09/07	29	1
HBK R4660	Hornbeck	58.1	52.7	49.9	08/26	32	1
3463NRR	Dyna-Gro	57.0	47.4	49.2	08/26	33	1
S46-G2	NK	—	—	47.9	08/27	31	1
Armor 47-G7	Armor	—	—	47.1	09/08	27	1
TV4589RR	Terral	53.5	50.4	46.8	09/03	29	1
DP4344RR	Deltapine	—	38.8	46.5	08/27	32	2
SS RT446N	SS	—	53.1	46.4	08/27	29	1
9480XRR (E)	M & D Gold	—	—	46.4	09/07	35	1
3468NRR	Dyna-Gro	—	—	45.4	09/04	25	1
4501RR/N	AgriPro/Garst	—	—	44.3	09/04	28	1
HX40-93038 (E)	Hartz	—	—	43.4	08/23	32	1
94B73	Pioneer	—	—	43.2	09/02	25	1
Armor 44-R4	Armor	—	—	41.9	08/29	29	1
H4554RR	Hartz	—	—	41.7	09/12	30	1
AG4301	Asgrow	—	—	41.5	09/07	24	1
DK 4461RR	Delta King	—	—	40.8	08/27	27	1
RT4241 (E)	Croplan Genetics	—	—	37.0	08/23	30	2
9410XRR (E)	M & D Gold	—	—	36.6	08/21	28	1
94B23	Pioneer	—	—	34.2	08/23	28	1
HBK SB4310R	Hornbeck	—	—	32.0	09/05	25	1
Overall Mean		53.4	51.8	47.2			
LSD (.10)		6.0	10.0	8.9			
Error degrees of freedom		40	28	60			
CV (%)		8.1	14.0	13.8			
R^2 (%)		84	74	69			

[1]Sharkey clay soil. (E) = Experimental.

Table 87. Roundup Ready Maturity Group IV Late Soybeans Planted April 26, 2001 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ201RR (E)	Delta King	—	—	67.5	09/03	30	1
SG498RR	Deltapine	68.5	67.1	67.4	09/06	29	1
DG 4950RR	Delta Grow	—	—	65.8	09/07	32	1
HBK R4920	Hornbeck	—	52.0	64.1	09/09	30	1
RC4995 (E)	Croplan Genetics	—	—	63.4	09/11	34	1
H4994RR	Hartz	—	67.0	62.7	09/11	28	1
SS RT4980	SS	—	59.6	61.7	09/07	28	2
FFR 4900RR	FFR	—	—	61.3	09/13	29	1
HBK R5101	Hornbeck	—	—	59.6	09/14	45	2
DK4868RR	Delta King	67.8	72.1	59.0	09/07	28	1
S51-Tl	NK	70.6	49.3	58.9	09/10	42	2
Progeny 4858RR	Progeny	—	—	58.7	09/10	34	1
9492	Pioneer	64.9	56.9	58.6	09/07	29	1
DPX4885RR (E)	Deltapine	—	—	58.5	09/11	35	1
DK XTJ184RR (E)	Delta King	—	—	57.0	09/06	31	1
DK 4763RR	Delta King	—	—	57.0	09/05	28	1
4803RR	Dixie	—	63.3	56.9	09/08	35	1
H4884RR	Hartz	—	55.7	55.2	09/09	30	2
DK4965RR	Delta King	64.2	58.1	55.0	09/08	28	1
YRC49 (E)	Croplan Genetics	—	—	55.0	09/13	16	1
AG5001	Asgrow	47.7	48.3	55.0	09/11	33	1
ES Prairie RR	ES	—	52.7	55.0	09/11	39	2
DG 4850RR	Delta Grow	—	55.3	54.7	09/08	33	1
Morsoy RT4809	Morsoy	—	71.7	54.6	09/09	31	1
Genesis A504RR	Genesis	—	—	54.4	09/06	33	1
TV4886RR	Terral	—	59.4	54.2	09/09	39	1
AG4702	Asgrow	—	53.8	54.0	09/03	30	1
V492NRR	Vigoro	—	—	52.9	09/10	35	1
AG4902	Asgrow	52.4	56.0	52.9	09/09	30	1
USG 7489RR	USG	—	—	52.8	09/09	28	1
TV4890RR	Terral	58.9	54.6	52.2	08/26	35	1
Genesis A484RR	Genesis	—	—	52.0	09/10	38	1
RC 4848	Croplan Genetics	56.0	57.2	51.9	09/08	33	1
3484NRR	Dyna-Gro	—	61.4	50.6	09/07	35	1
DK4762RR	Delta King	55.6	55.8	46.5	09/06	36	1
SS RT46704N	SS	—	43.1	46.1	09/16	40	3
AG4602	Asgrow	—	—	45.7	09/06	30	1
B481RR	Genesis	—	—	43.2	09/07	30	1
Overall Mean		57.9	57.1	56.1			
LSD (.10)		11.3	8.7	8.1			
Error degrees of freedom		34	56	74			
CV (%)		14.2	11.1	10.6			
R^2 (%)		61	65	62			

[1]Sharkey clay soil. (E) = Experimental.

Table 88. Roundup Ready Maturity Group V Early Soybeans Planted April 26, 2001 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ202RR (E)	Delta King	—	—	78.0	09/19	33	2
DK 5366RR	Delta King	—	68.7	76.9	09/21	32	2
DK 5668RR	Delta King	—	65.4	72.6	09/18	31	2
DP5644 RR	Deltapine	69.4	59.8	72.3	09/19	31	2
95B53	Pioneer	77.6	59.8	71.9	09/21	26	1
HBK R5620	Hornbeck	—	—	71.7	09/27	35	2
SS RT557N	SS	63.5	50.9	71.6	09/19	32	1
DK XTJ204RR (E)	Delta King	—	—	71.4	09/22	30	1
DK XTJ205RR (E)	Delta King	—	—	70.5	09/19	32	2
V562NRR	Vigoro	—	—	69.4	09/25	34	1
Progeny 5660RR	Progeny	—	—	69.4	09/26	28	1
AG5501	Asgrow	—	60.7	68.7	09/26	27	1
AG5701	Asgrow	—	67.5	68.1	09/23	30	1
TVX5R600 (E)	Terral	—	—	68.0	09/25	38	1
DG 5630RR	Delta Grow	—	64.3	67.1	09/24	30	1
USG 7547RR	USG	58.6	40.8	67.0	09/10	23	1
RC5454 (E)	Croplan Genetics	—	—	66.6	09/24	28	1
RC5252 (E)	Croplan Genetics	—	—	66.5	09/22	30	1
3562NRR	Dyna-Gro	—	64.3	66.2	09/21	30	1
3535NRR	Dyna-Gro	—	64.7	66.1	09/24	36	3
DP5414RR	Deltapine	—	53.9	65.4	09/21	36	2
DK5661RR	Delta King	61.5	61.9	65.3	09/23	26	1
HBK R5420	Hornbeck	—	—	65.3	09/27	25	1
540nRR	USG	—	56.7	65.1	09/25	28	1
B544RR	Genesis	—	—	65.1	09/23	27	1
H5231RR	Hartz	—	50.3	64.9	09/16	23	1
TVX5R400 (E)	Terral	—	—	64.2	09/26	26	1
DK 5465RR	Delta King	—	46.4	64.1	09/25	27	1
AG5602	Asgrow	66.6	53.5	63.3	09/27	28	1
S59-V6RR	NK	68.1	59.1	62.9	09/20	29	4
3543NRR	Dyna-Gro	—	—	62.8	09/21	25	1
DG 5250RR	Delta Grow	—	—	61.8	09/20	26	1
Armor 54-Z4	Armor	—	—	61.3	09/26	29	1
Progeny 5415RR	Progeny	—	—	61.2	09/25	24	1
DK XTJ203RR (E)	Delta King	—	—	61.0	09/21	23	1
HBK R5588	Hornbeck	59.7	47.8	60.9	09/22	30	1
95B32	Pioneer	—	55.6	60.7	09/10	23	1
5512RR/N	AgriPro/Garst	—	—	60.7	09/22	21	1
AG5603	Asgrow	—	—	60.0	09/19	25	1
TV 5666RR	Terral	55.9	51.8	57.7	09/22	35	3
RT5110N	Morsoy	—	—	57.7	09/19	22	1
Delta Grow 5600RR	Delta Grow	—	—	57.4	09/19	28	2
DG 5450RR	Delta Grow	—	—	56.7	09/22	23	1
SS RT517N	SS	55.7	55.8	56.7	09/12	24	2
B531RR	Genesis	—	—	56.5	09/26	23	1
TV52R42	Terral	—	53.7	56.4	09/13	35	1
YRC56 (E)	Croplan Genetics	—	—	56.2	09/17	31	2
TVX56R001 (E)	Terral	—	—	56.0	09/26	36	2
SS-RT 5001N	Southern States	—	—	54.4	09/19	30	1
3518NRR	Dyna-Gro	—	—	54.3	09/14	37	1
Armor 53-K3	Armor	—	—	54.0	09/19	23	1
AG5001	Asgrow	—	—	53.6	09/10	32	1
ES Ranger RR	ES	—	50.3	53.2	09/18	18	1
9551XRR (E)	M & D Gold	—	—	52.7	09/10	45	3
YRC51 (E)	Croplan Genetics	—	—	52.7	09/15	32	1
TV5486RR	Terral	60.2	43.6	51.4	09/15	45	3
TVX54R001 (E)	Terral	—	—	50.5	09/22	27	1
ES Punch RR	ES	—	52.1	48.1	09/18	32	2
9492	Pioneer	55.3	50.7	47.1	09/10	31	1
Overall Mean		59.7	53.1	62.4			
LSD (.10)		6.2	8.1	10.3			
Error degrees of freedom		62	82	116			
CV (%)		7.6	11.3	12.3			
R^2 (%)		79	74	58			

[1]Sharkey clay soil. (E) = Experimental

Table 89. Roundup Ready Maturity Group V Late Soybeans Planted April 26, 2001 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		1999	2000	2001			
		bu/A	*bu/A*	*bu/A*		*in*	
95B96	Pioneer	—	—	75.3	09/22	38	1
DP5915RR	Deltapine	67.3	54.6	72.0	09/28	35	2
H5885RR	Hartz	—	62.8	70.9	09/21	26	1
Armor 56-J6	Armor	—	—	68.8	09/26	32	2
AG5701	Asgrow	—	60.5	68.0	09/25	24	1
USG EXP 570 (E)	USG	—	—	66.7	09/26	31	2
AG 5901	Asgrow	60.3	55.6	65.9	09/26	37	1
YRC58 (E)	Croplan Genetics	—	—	65.8	09/22	42	2
SS RT 5999N	SS	—	60.8	64.7	09/23	36	1
AG5902	Asgrow	—	59.0	63.8	09/29	32	2
TVX58R001 (E)	Terral	—	—	63.4	09/25	28	3
SS RT587N	SS	52.5	50.1	61.2	09/25	30	2
TV59R85	Terral	—	50.7	60.7	09/28	33	2
HBK R5920	Hornbeck	65.7	50.3	60.7	09/27	29	1
HBK R6020	Hornbeck	69.7	57.1	60.6	09/29	37	3
HBK R5820	Hornbeck	—	—	59.5	09/26	36	3
TVX5R800 (E)	Terral	—	—	59.5	09/24	37	2
Progeny 5900RR	Progeny	—	58.2	58.7	09/27	34	2
DK5961RR	Delta King	55.0	42.7	58.7	09/29	35	2
H5999RR	Hartz	61.8	51.9	58.6	09/28	28	3
S58-R3	NK	—	—	57.8	09/23	26	2
S59-V6RR	NK	69.2	66.6	57.5	09/21	26	3
TVX5R900 (E)	Terral	—	—	57.0	09/26	40	2
590RR	Croplan Genetics	68.4	48.5	56.8	09/27	31	1
ES Trooper RR	ES	—	47.7	56.2	09/29	32	2
USG 7585nRR	USG	—	—	56.1	09/25	36	2
YRC57 (E)	Croplan Genetics	—	—	55.3	09/28	30	2
3582NRR	Dyna-Gro	—	52.3	55.0	09/28	32	2
DG 5950RR	Delta Grow	66.4	56.6	53.8	09/25	30	1
DP5806 RR	Deltapine	65.6	51.2	53.2	09/21	39	4
TV59R98	Terral	—	—	53.0	09/25	40	3
DK5762RR	Delta King	65.6	55.0	52.9	09/25	36	1
Armor 59-B9	Armor	—	—	49.4	09/26	33	2
ES Marshal RR	ES	—	44.7	36.1	09/23	32	2
Overall Mean		61.5	51.4	59.8			
LSD (.10)		5.0	7.2	5.9			
Error degrees of freedom		60	74	66			
CV (%)		6.0	10.4	7.3			
R^2 (%)		78	88	81			

[1]Sharkey clay soil. (E) = Experimental.

Plant Characteristics

Table 90. Plant Characteristics of Maturity Group IV Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			*%*	*%*
DK4680	Delta King	purple	gray	tan	buff	2400	I	4.7	36.6	20.5
DK4711	Delta King	purple	gray	tan	imp black	2500	I	4.7	36.7	21.4
DP4748S	Deltapine	white	tawny	brown	black	2700	I	4.7	37.3	20.8
Dixie 478	Dixie	purple	gray	tan	imp black	3000	I	4.7	37.6	20.8
FFR 4900RR	FFR	purple	gray	tan	buff	2900	D	4.9	36.7	19.6
HBK 4891	Hornbeck	purple	light tawny	brown	black	2400	I	4.7	36.4	21.0
94B54	Pioneer	purple	tawny	tan	imp black	2400	I	4.5	37.3	20.7
9511	Pioneer	purple	gray	tan	imp black	2500	I	5.1	35.8	20.0
Progeny 4910	Progeny	white	gray	tan	imp black	2500	I	4.9	36.1	19.9
TV4881	Terral	purple	gray	tan	imp black	2700	I	4.8	36.0	20.6
TV4975	Terral	purple	tawny	tan	black	3500	I	4.9	37.6	19.7
DT97-4290 (E)	Public	purple	tawny	tan	black	3100	I	4.8	37.3	19.6

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]D = determinant; I = indeterminate
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 91. Plant Characteristics of Maturity Group V Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		*%*	*%*
Armor 52-C2	Armor	white	gray	tan	buff	2900	5.2	35.9	20.4
DK 5850	Delta King	white	tawny	tan	black	2700	5.5	37.1	19.8
DP5110S	Deltapine	white	tawny	tan	black	3000	4.9	37.4	20.2
9511	Pioneer	purple	gray	tan	imp black	2500	5.1	36.8	20.4
95B33	Pioneer	purple	gray	tan	imp black	2800	5.3	37.5	19.6
Progeny 5120N	Progeny	purple	tawny	tan	buff	2900	5.1	36.9	20.2
Progeny 5600	Progeny	purple	tawny	tan	imp black	3000	5.6	36.5	20.2
SS 5200STS	Southern States	purple	gray	tan	buff	3100	5.2	37.5	19.6
Delsoy 5500	Public	white	tawny	tan	black	3000	5.5	36.9	20.1
Hutcheson	Public	white	gray	tan	buff	3000	5.7	36.1	20.5
R96-209 (E)	Public	purple	gray	tan	imp black	2600	5.2	35.9	20.4
TN96-58 (E)	Public	white	gray	tan	buff	3300	5.6	36.9	19.9

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 92. Plant Characteristics of Maturity Group V Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		*%*	*%*
A5959	Asgrow	white	gray	tan	buff	3900	5.9	36.2	19.4
DK 5995	Delta King	white	gray	tan	imp black	3300	5.9	36.2	19.4
DP5989	Deltapine	white	tawny	tan	black	2700	5.9	36.0	19.7
HBK 5812	Hornbeck	white	tawny	tan	brown	2900	5.8	37.0	19.5
HBK 5991	Hornbeck	white	tan	tan	black	3000	5.9	36.1	20.3
9594	Pioneer	white	gray	tan	buff	2600	5.9	36.0	20.1
95B97	Pioneer	purple	tawny	tan	imp black	3900	5.9	36.6	19.4
SS 597N	Southern States	white	gray	tan	buff	2800	5.9	36.5	20.0
TV5926	Terral	white	tawny	tan	black	3100	5.9	36.2	19.1
Bolivar	Public	purple	tawny	tan	black	2900	5.8	36.3	19.7
Caviness	Public	white	gray	tan	buff	3000	5.6	36.2	20.0
DT96-6840 (E)	Public	white	gray	tan	buff	3000	5.8	36.4	19.9
Hutcheson	Public	white	gray	tan	buff	3000	5.7	35.4	20.4
R95-2210 (E)	Public	white	tawny	tan	buff	3200	5.7	36.2	19.7
UARK-5798	Public	white	tawny	tan	imp black	2600	5.9	35.6	20.0
UARK-5896	Public	purple	tawny	tan	brown	2900	5.8	36.3	19.8

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 93. Plant Characteristics of Maturity Group VI Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		*%*	*%*
Dillon	Public	purple	gray	tan	buff	2900	6.4	36.2	19.4
R92-1258 (E)	Public	white	gray	tan	imp black	2900	6.1	36.2	19.8
SANTEE	Public	white	gray	tan	buff	2500	7.3	36.0	18.5

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 6.0 is very early in Group VI, while 6.9 is very late in Group VI.

Table 94. Plant Characteristics of Roundup Ready Maturity Group III Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		*%*	*%*
AG3701	Asgrow	purple	gray	gray	imp black	2900	3.7	36.7	21.4
AG3702	Asgrow	purple	gray	gray	imp black	2800	3.7	37.4	20.9
AG3902	Asgrow	purple	gray	tan	imp black	2700	3.9	37.1	21.7
AG3903	Asgrow	white	tawny	tan	black	3200	3.9	36.6	21.0
RC3866 (E)	Croplan Genetics	purple	tawny	tan	black	2400	3.9	37.0	20.8
DK 3961RR	Delta King	purple	tawny	tan	black	2700	3.9	36.8	21.8
DK 3964RR	Delta King	purple	tawny	tan	black	3200	3.9	36.8	22.1
DK 3862RR	Delta King	purple	tawny	tan	black	2500	3.8	37.4	20.5
DK 3968RR	Delta King	white	gray	gray	buff	3100	3.9	36.9	21.6
HX38-92955 (E)	Hartz	purple	tawny	tan	imp black	3000	3.8	36.4	21.4
HBK SB3980RR	Hornbeck	white	tawny	tan	black	2300	3.9	36.9	21.8

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 3.0 is very early in Group III, while 3.9 is very late in Group III.

Table 95. Plant Characteristics of Roundup Ready Maturity Group IV Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			*%*	*%*
AgriPro/Garst 4501RR/N	AgriPro/Garst	purple	tawny	tan	imp black	2700	I	4.5	36.9	20.3
AgriPro/Garst 4512RR/N	AgriPro/Garst	purple	tawny	tan	imp black	3000	I	4.5	36.6	21.5
AgriPro/Garst 4888RR	AgriPro/Garst	purple	light tawny	tan	imp black	2800	I	4.7	37.1	21.0
Armor 44-R4	Armor	purple	tawny	tan	imp black	3100	I	4.4	37.1	21.8
Armor 47-G7	Armor	white	tawny	tan	imp black	3100	I	4.7	37.2	20.4
AG4301	Asgrow	purple	tawny	tan	imp black	2600	I	4.3	36.6	20.5
AG4403	Asgrow	purple	tawny	tan	black	3000	D	4.4	36.6	21.5
AG4602	Asgrow	purple	tawny	tan	black	2800	I	4.6	37.3	21.2
AG4702	Asgrow	white	tawny	tan	black	3000	I	4.7	36.5	20.6
RC 4444 (E)	Croplan Genetics	purple	tawny	tan	imp black	3300	I	4.4	36.4	21.9
RT 4241 (E)	Croplan Genetics	white	tawny	tan	imp black	2700	I	4.2	37.1	21.4
TS 466RR	Croplan Genetics	white	tawny	tan	black	3100	I	4.6	36.8	20.2
DK 4461RR	Delta King	purple	tawny	tan	imp black	3000	I	4.2	36.4	21.3
DP4344RR	Deltapine	white	tawny	tan	black	2900	I	4.3	37.3	20.6
DP4690RR	Deltapine	purple	light tawny	brown	black	3000	I	4.7	36.5	21.0
DPX4300RR (E)	Deltapine	purple	tawny	tan	black	2500	I	4.3	37.6	21.3
DG 3443NRR	Dyna-Gro	purple	tawny	tan	imp black	2500	I	4.4	36.3	21.4
DG 3463NRR	Dyna-Gro	white	tawny	tan	black	3500	I	4.8	36.9	20.0
DG 3468NRR	Dyna-Gro	white	tawny	tan	imp black	2700	I	4.6	38.0	21.2
H4554RR	Hartz	white	tawny	tan	black	2400	I	4.5	37.6	20.6
HX40-93038 (E)	Hartz	purple	gray	tan	buff	2600	I	4.0	37.1	20.9
HBK R4660	Hornbeck	white	tawny	tan	black	3300	I	4.6	37.6	20.5
HBK R4820	Hornbeck	white	light tawny	brown	black	3300	I	4.7	37.1	20.6
HBK SB 4310R	Hornbeck	purple	tawny	tan	black	2500	I	4.3	36.9	20.8
9410XRR (E)	M & D Gold	Seg.	tawny	tan	imp black	2800	I	4.1	37.5	20.5
9480XRR (E)	M & D Gold	purple	gray	tan	buff	3200	I	4.8	36.7	20.5
NK S46-G2	NK	white	tawny	tan	imp black	3200	I	4.6	36.5	20.4
94B23	Pioneer	purple	tawny	tan	imp black	3100	I	4.2	37.5	21.1
94B73	Pioneer	purple	tawny	tan	imp black	2800	I	4.7	37.7	21.0
SS RT446N	Southern States	white	tawny	tan	imp black	2200	I	4.4	37.4	20.5
TV4589RR	Terral	white	gray	tan	imp black	3000	I	4.5	37.8	20.8

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]D = determinant; I = indeterminate
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 96. Plant Characteristics of Roundup Ready Maturity Group IV Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			*%*	*%*
AG4602	Asgrow	purple	tawny	tan	black	2800	I	4.6	36.7	21.3
AG4702	Asgrow	white	tawny	tan	black	3000	I	4.7	36.8	20.5
AG4902	Asgrow	white	tawny	tan	black	2800	I	4.9	37.9	19.6
AG5001	Asgrow	purple	gray	tan	imp black	2900	I	5.0	36.8	21.2
RC 4848	Croplan Genetics	white	tawny	tan	black	2800	I	4.8	38.1	21.0
RC 4995 (E)	Croplan Genetics	purple	tawny	tan	black	2600	I	4.9	36.5	20.6
YRC 49 (E)	Croplan Genetics	purple	gray	tan	imp black	3100	D	4.9	35.7	20.2
Delta Grow 4850RR	Delta Grow	white	tawny	tan	imp black	3100	I	4.8	37.5	21.1
Delta Grow 4950RR	Delta Grow	purple	tawny	tan	black	2600	I	4.7	37.1	21.4
DK 4762RR	Delta King	white	tawny	tan	black	2900	I	4.7	37.8	20.3
DK 4868RR	Delta King	white	gray	tan	imp black	3300	I	4.8	37.3	20.9
DK 4965RR	Delta King	white	gray	tan	imp black	2800	I	4.9	37.6	20.1
DK 4763RR	Delta King	white	tawny	tan	imp black	3100	I	4.7	37.6	20.6
DK XTJ184RR (E)	Delta King	white	tawny	tan	imp black	2800	I	4.8	36.8	20.7
DK XTJ201RR (E)	Delta King	white	tawny	tan	imp black	3300	I	4.8	37.0	20.8
DPX4885RR (E)	Deltapine	purple	tawny	tan	black	2900	I	4.7	37.2	21.2
SG498RR	Deltapine	white	tawny	tan	black	3000	I	4.9	37.2	19.9
Dixie 4803RR	Dixie	purple	gray	tan	imp black	2900	I	4.8	36.5	21.0
DG 3484NRR	Dyna-Gro	white	tawny	tan	imp black	2600	I	4.8	37.2	20.8
ES Prairie RR	Eagle Seed	white	gray	tan	buff	3500	I	4.9	35.9	19.3
FFR 4900RR	FFR	purple	gray	tan	buff	2900	D	4.9	36.5	19.2
Genesis A484RR	Genesis	white	tawny	tan	imp black	2700	I	4.8	37.9	20.8
Genesis B481RR	Genesis	purple	tawny	tan	imp black	2700	I	4.8	37.7	20.8
Genesis A504RR	Genesis	white	tawny	tan	imp black	2700	I	4.9	37.8	20.7
H4884RR	Hartz	white	tawny	tan	imp black	2700	D	4.8	37.1	20.7
H4994RR	Hartz	white	tawny	tan	black	3400	D	4.9	36.3	20.1
HBK R4920	Hornbeck	purple	gray	tan	imp black	2600	I	4.9	36.7	21.3
HBK R5101	Hornbeck	white	tawny	tan	black	3100	I	4.9	36.8	19.7
Morsoy RT4809	Morsoy	white	gray	tan	imp black	2700	D	4.8	37.2	21.2
NK S51-T1	NK	white	gray	tan	buff	3200	I	4.7	37.9	19.9
9492	Pioneer	white	tawny	tan	black	3800	I	4.9	36.8	20.6
Progeny 4858RR	Progeny	white	tawny	tan	imp black	2700	I	4.8	38.0	20.5
SS RT4980	Southern States	purple	gray	tan	imp black	2600	I	4.8	36.9	21.4
SS RT46704N	Southern States	purple	gray	tan	imp black	2300	I	4.9	37.5	19.6
TV4886RR	Terral	purple	tawny	tan	imp black	3000	I	4.8	37.7	20.8
TV4890RR	Terral	white	tawny	tan	black	3600	I	4.8	37.2	20.4
USG 7489RR	USG	purple	tawny	brown	black	2400	I	4.8	36.9	20.9
V492NRR	Vigoro	purple	tawny	tan	imp black	2600	I	4.9	37.4	20.8

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]D = determinant; I = indeterminate
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 97. Plant Characteristics of Roundup Ready Maturity Group V Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		*%*	*%*
AgriPro/Garst 5512RR/N	AgriPro/Garst	white	tawny	tan	imp black	3000	5.5	36.8	19.8
Armor 53-K3	Armor	purple	gray	tan	buff	3100	5.3	36.3	20.5
Armor 54-Z4	Armor	white	tawny	tan	imp black	2800	5.4	37.0	19.2
AG5001	Asgrow	purple	gray	tan	imp black	2900	5.0	38.0	20.4
AG5501	Asgrow	purple	gray	tan	imp black	3100	5.5	36.5	20.2
AG5602	Asgrow	white	gray	tan	buff	3200	5.6	36.5	19.7
AG5603	Asgrow	purple	gray	tan	buff	3500	5.6	36.5	20.3
AG5701	Asgrow	white	gray	tan	imp black	3800	5.7	36.9	19.3
RC 5252 (E)	Croplan Genetics	purple	gray	tan	buff	2900	5.2	36.6	20.0
RC5454 (E)	Croplan Genetics	white	tawny	tan	imp black	2900	5.4	36.9	19.4
YRC 51 (E)	Croplan Genetics	purple	gray	tan	buff	2800	5.1	35.8	20.8
YRC 56 (E)	Croplan Genetics	white	gray	tan	buff	2800	5.6	37.0	19.4
Delta Grow 5250RR	Delta Grow	purple	gray	tan	buff	3000	5.2	36.7	19.8
Delta Grow 5450RR	Delta Grow	white	tawny	tan	imp black	2900	5.4	36.7	19.2
Delta Grow 5630RR	Delta Grow	white	gray	tan	buff	3300	5.6	36.3	19.7
Delta Grow 5600RR	Delta Grow	white	gray	tan	buff	2700	5.6	36.5	20.3
DK5465RR	Delta King	white	tawny	tan	imp black	2900	5.4	37.0	19.3
DK5366RR	Delta King	purple	gray	tan	imp black	2800	5.3	36.5	20.1
DK5661RR	Delta King	white	gray	tan	imp black	3000	5.6	37.0	19.7
DK5668RR	Delta King	white	gray	tan	imp black	2700	5.6	36.8	19.7
DK XTJ202RR (E)	Delta King	purple	gray	tan	buff	2800	5.3	36.2	20.3
DK XTJ203RR (E)	Delta King	white	tawny	tan	imp black	2800	5.4	37.0	20.4
DK XTJ204RR (E)	Delta King	white	gray	tan	imp black	3100	5.6	37.2	19.7
DK XTJ205RR (E)	Delta King	white	gray	tan	imp black	2700	5.6	36.8	19.8
DP5414RR	Deltapine	white	tawny	tan	black	3000	5.5	37.4	19.8
DP5644RR	Deltapine	white	tawny	tan	buff	2600	5.6	37.0	19.6
DG 3518NRR	Dyna-Gro	purple	gray	tan	buff	3000	5.1	37.5	20.1
DG 3535NRR	Dyna-Gro	purple	gray	tan	imp black	3000	5.3	36.1	20.2
DG 3543NRR	Dyna-Gro	white	tawny	tan	imp black	2900	5.4	37.1	19.1
DG 3562NRR	Dyna-Gro	white	gray	tan	imp black	2900	5.6	36.6	19.8
ES Punch RR	Eagle Seed	purple	tawny	tan	imp black	2800	5.5	37.1	19.8
ES Ranger RR	Eagle Seed	purple	gray	tan	imp black	3300	5.0	36.7	20.3
Genesis B531RR	Genesis	white	gray	tan	buff	3000	5.3	37.2	20.2
Genesis B544RR	Genesis	white	tawny	tan	imp black	2800	5.4	36.4	20.5
H5231RR	Hartz	white	gray	tan	imp black	2700	5.2	37.0	19.4
HBK R5420	Hornbeck	white	tawny	tan	imp black	3100	5.4	37.0	19.5
HBK R5588	Hornbeck	purple	gray	tan	buff	2800	5.5	37.6	19.3
HBK R5620	Hornbeck	white	gray	tan	imp black	3400	5.6	36.4	20.0
9551XRR (E)	M & D Gold	white	tawny	tan	buff	2800	5.1	36.7	19.7
RT5110N	Morsoy	purple	gray	tan	buff	2900	5.1	36.5	19.7
NK S59-V6	NK	purple	tawny	tan	black	3200	5.9	37.6	19.8
9492	Pioneer	white	tawny	tan	black	3800	4.9	37.8	20.5
95B32	Pioneer	white	gray	tan	buff	3400	5.3	35.9	20.3
95B53	Pioneer	white	tawny	tan	black	3200	5.5	36.6	19.8
Progeny 5415RR	Progeny	white	tawny	tan	imp black	3000	5.4	36.7	19.7
Progeny 5660RR	Progeny	white	gray	tan	imp black	2700	5.6	36.5	19.9
SS RT5001N	Southern States	purple	gray	tan	buff	3000	5.0	37.3	19.7
SS RT517N	Southern States	purple	gray	tan	imp black	3600	4.9	37.5	20.4
SS RT557N	Southern States	purple	gray	tan	buff	2600	5.5	36.4	20.4
TV52R42	Terral	purple	gray	tan	imp black	3000	5.0	37.6	19.8
TV5486RR	Terral	purple	tawny	tan	imp black	2300	5.4	37.2	19.5
TV5666RR	Terral	purple	gray	tan	buff	2700	5.6	37.2	20.0
TVX5R400 (E)	Terral	white	tawny	tan	imp black	3000	5.4	36.7	19.7
TVX5R600 (E)	Terral	white	gray	tan	buff	3200	5.6	36.5	19.9
TVX54R001 (E)	Terral	white	tawny	tan	imp black	2900	5.4	36.8	19.5
TVX56R001 (E)	Terral	white	gray	tan	imp black	3300	5.6	36.5	19.8
USG 540nRR	USG	white	tawny	tan	brown	2900	5.4	37.0	19.4
USG 7547RR	USG	purple	gray	tan	imp black	2400	5.4	36.5	20.3
V562NRR	Vigoro	white	gray	tan	imp black	3300	5.6	36.6	19.7

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 98. Plant Characteristics of Roundup Ready Maturity Group V Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		*%*	*%*
Armor 56-J6	Armor	white	gray	tan	imp black	3200	5.6	36.4	19.5
Armor 59-B9	Armor	purple	gray	tan	imp black	2500	5.9	36.2	19.5
AG5701	Asgrow	white	tawny	tan	imp black	3700	5.7	36.6	19.1
AG5901	Asgrow	white	gray	tan	buff	3600	5.9	36.0	20.3
AG5902	Asgrow	purple	gray	tan	buff	4000	5.9	36.1	19.9
590RR	Croplan Genetics	purple	gray	tan	imp black	3400	5.9	36.7	19.2
YRC 57 (E)	Croplan Genetics	purple	gray	tan	imp black	3100	5.7	35.7	19.9
YRC 58 (E)	Croplan Genetics	purple	gray	tan	imp black	2600	5.8	36.1	19.9
Delta Grow 5950RR	Delta Grow	purple	gray	tan	imp black	3100	5.9	36.5	19.4
DK5762RR	Delta King	purple	gray	tan	imp black	2800	5.7	36.9	19.1
DK5961RR	Delta King	white	gray	tan	buff	2500	5.9	36.7	19.7
DP5806RR	Deltapine	white	gray	tan	buff	3100	5.8	36.8	19.3
DP5915RR	Deltapine	white	tawny	tan	black	2900	5.9	36.0	20.1
DG 3582NRR	Dyna-Gro	purple	gray	tan	imp black	2800	5.9	36.4	19.6
ES Marshal RR	Eagle Seed	purple	tawny	tan	imp black	2400	6.0	36.1	20.2
ES Trooper RR	Eagle Seed	purple	gray	tan	imp black	3300	5.7	35.9	20.3
H5885RR	Hartz	white	gray	tan	imp black	2800	5.8	36.4	19.9
H5999RR	Hartz	purple	gray	tan	buff	2600	5.9	36.5	19.8
HBK R5820	Hornbeck	purple	gray	tan	buff	2900	5.8	36.1	19.7
HBK R5920	Hornbeck	purple	gray	tan	imp black	3100	5.9	36.6	19.2
HBK R6020	Hornbeck	white	gray	tan	buff	3300	6.0	36.4	19.7
NK S59-V6	NK	purple	tawny	tan	black	3200	5.9	37.4	19.4
NK S58-R3	NK	purple	tawny	tan	black	3800	5.8	36.4	20.3
95B96	Pioneer	white	gray	tan	buff	2900	5.9	36.0	19.9
Progeny 5900RR	Progeny	purple	gray	tan	imp black	2900	5.9	36.3	19.4
SS RT587N	Southern States	purple	gray	tan	imp black	2700	5.8	36.7	19.9
SS RT5999N	Southern States	purple	gray	tan	buff	2700	5.9	36.4	19.6
TV59R98	Terral	purple	gray	tan	buff	2900	5.9	36.8	19.3
TV59R85	Terral	purple	gray	tan	imp black	3400	5.9	36.8	19.2
TVX58R001 (E)	Terral	purple	gray	tan	imp black	3500	5.8	36.6	19.8
TVX5R800 (E)	Terral	purple	gray	tan	imp black	3400	5.8	36.5	20.1
TVX5R900 (E)	Terral	purple	gray	tan	buff	2700	5.9	36.1	19.8
USG EXP 570 (E)	USG	white	gray	tan	buff	3500	5.7	36.0	19.9
USG 7585nRR	USG	purple	gray	tan	imp black	2900	5.8	36.4	19.4

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 99. Plant Characteristics of Roundup Ready Maturity Group VI Soybeans.

Variety	Brand	Color				Seeds[1]	RM[2]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		*%*	*%*
AgriPro/Garst XR0162N44 (E)	AgriPro/Garst	white	tawny	tan	buff	2900	6.1	36.4	19.7
AgriPro/Garst 6612RR/N	AgriPro/Garst	white	tawny	tan	black	2800	6.6	36.4	19.7
AG6101	Asgrow	purple	gray	tan	buff	2400	6.1	36.3	20.0
AG6201	Asgrow	white	gray	tan	imp black	3200	6.2	36.7	19.4
TS6299RR (E)	Croplan Genetics	purple	gray	tan	imp black	2800	6.2	35.9	19.4
V602NRR	Vigoro	purple	gray	tan	imp black	3400	6.0	36.5	19.2

[1](E) = Experimental.
[2]Represents an average number of seeds per pound; seeds may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV, V, and VI. The decimal numbers convey the relative earliness or lateness. For example, 6.0 is very early in Group VI, while 6.9 is very late in Group VI.

Reaction to Diseases and Herbicides

Tables in this section report data on the soybean varieties' reactions to common pests (the SMV/BPMV virus, Phytophthora root rot, cyst nematode, frogeye leafspot, stem canker) and herbicides.

Disease Ratings. Disease ratings for Phytophthora root rot, frogeye leafspot, and stem canker were made by plant pathologists at Mississippi State University. Nematode reactions were reported by R.D. Riggs, plant pathologist at the University of Arkansas.

The hydroponic technique used in this trial measures major gene resistance. Some varieties that are rated susceptible may have a high degree of field tolerance to Phytophthora root rot. Some varieties in this test are known not to have a major gene for Phytophthora resistance but were rated resistant. This is believed to be an expression of "field tolerance" (due to the use of a low inoculum potential).

Disease reactions were rated as R = Resistant, M = Mixture (Resistant and Susceptible type reaction may be segregating or seed mixture), MR = Moderately Resistant, MS = Moderately Susceptible, S = Susceptible; VS = Very Susceptible, I = Intermediate (variation in response has been observed), and T = Tolerant.

Stem Canker Score. In addition to the disease ratings, each variety was also assigned a score for its reaction to stem canker. This score gives an average rating of 40 plants stuck with a toothpick of stem canker inoculum. Stem canker ratings convey the level of tolerance based on the score of the plants tooth picked: VS = 4.6 - 5.0; S = 2.0 - 4.5; MS = 1.5 - 1.9; MR = 1.2 - 1.4; R = 1.0 - 1.1. Some lines or varieties exhibited a range of reactions to stem canker. These findings are expressed as ranges in the tables (i.e., R-VS). In these ranges, letters in parentheses highlight a variety's predominant reaction. For example, "(R) -VS" means the variety ranged from resistant to very susceptible in its response; however, the predominant response was resistant. Varieties or lines that exhibited such a range were mixes or were still segregating.

Herbicide Ratings. Herbicide reaction ratings were based on a hydroponic screening of each variety to metribuzin (T = Tolerant, I = Intermediate, and S = Susceptible).

Table 100. Reaction of Maturity Group IV Soybeans to Diseases and Herbicides.[1]

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
DK4680	Delta King	R	R	M	—	M	S	MS	S	R	1.0	I
DK4711	Delta King	—	—	—	—	—	—	—	—	R	1.0	S
DP4748S	Deltapine	—	R	—	—	—	—	—	—	R	1.0	T
Dixie 478	Dixie	R	M	S	—	R	S	S	MS	R	1.0	T
FFR 4900RR	FFR	—	—	—	—	—	—	—	—	R	1.1	I
HBK 4891	Hornbeck	—	R	R	M	R	—	—	S	R	1.0	I
94B54	Pioneer	—	—	—	—	—	—	—	—	R	1.0	I
9511	Pioneer	R	M	S	S	M	S	S	S	R	1.0	T
Progeny 4910	Progeny	—	—	—	—	—	—	—	—	R	1.0	T
TV4881	Terral	—	R	—	—	—	—	—	—	R	1.0	I
TV4975	Terral	R	R	—	—	—	S	S	MR	R-S	2.5	—
DT97-4290 (E)	Public	—	R	R	—	R	—	—	I	R	1.0	T

[1](E) = Experimental.

Table 101. Reaction of Maturity Group V Early Soybeans to Diseases and Herbicides.[1]

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
Armor 52-C2	Armor	—	—	—	—	—	—	—	—	R	1.0	S
DK 5850	Delta King	MR	R	R	S	R	MR	MR	MR	R-S(S)	3.8	T
DP5110S	Deltapine	—	R	—	—	—	—	—	—	R	1.1	I
9511	Pioneer	—	M	S	S	M	S	S	S	R	1.0	T
95B33	Pioneer	MR	M	R	R	S	—	—	R	R	1.0	S
Progeny 5120N	Progeny	—	S	R	—	R	—	—	R	R	1.0	I
Progeny 5600	Progeny	—	R	—	—	—	—	—	—	R-S(S)	3.6	T
SS 5200STS	Southern States	—	—	—	—	—	—	—	—	R-S	2.8	I
Delsoy 5500	Public	R	S	R	R	S	MS	MR	MR	R	1.0	T
Hutcheson	Public	—	R	R	—	S	S	S	R	R	1.0	T
R96-209 (E)	Public	—	—	—	—	—	—	—	—	R	1.1	I
TN96-58 (E)	Public	—	—	—	—	—	—	—	—	R-S	2.4	I

[1](E) = Experimental.

Table 102. Reaction of Maturity Group V Late Soybeans to Diseases and Herbicides.[1]

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
A5959	Asgrow	MR	R	M	—	S	—	—	MS	R-S	2.8	T
DK 5995	Delta King	R	R	M	R	M	—	—	I	R-S	3.1	T
DP5989	Deltapine	—	—	—	—	—	—	—	—	R	1.1	T
HBK 5812	Hornbeck	—	—	—	—	—	—	—	—	R	1.0	I
HBK 5991	Hornbeck	—	M	R	R	M	—	—	R	R	1.0	T
9594	Pioneer	MR	R	R	R	R	S	S	MS	R-S(S)	3.1	T
95B97	Pioneer	—	—	—	—	—	—	—	—	R-S(S)	3.7	S
SS 597N	Southern States	MR	R	R	R	M	—	—	R	R	1.1	T
TV5926	Terral	I	M	R	R	M	—	—	S	R	1.0	T
Bolivar	Public	MR	R	R	—	M	—	—	MS	R-S(R)	2.0	T
Caviness	Public	R	M	R	—	—	—	—	MR	R	1.0	T
DT96-6840 (E)	Public	—	M	M	—	R	—	—	MR	R-S(R)	1.4	T
Hutcheson	Public	—	R	R	—	S	S	S	R	R	1.0	T
R95-2210 (E)	Public	—	M	M	—	M	—	—	S	R	1.0	T
UARK-5798	Public	—	R	R	R	R	—	—	R	R-S(R)	1.7	T
UARK-5896	Public	—	—	—	—	—	—	—	—	—	—	S

[1](E) = Experimental.

Table 103. Reaction of Maturity Group VI Soybeans to Diseases and Herbicides.[1]

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
Dillon	Public	—	M	S	—	M	S	S	S	R-S(R)	1.9	T
R92-1258 (E)	Public	—	—	—	—	—	—	—	—	R	1.0	I
SANTEE	Public	—	R	R	—	S	—	—	MS	R	1.0	T

[1](E) = Experimental.

Table 104. Reaction of Maturity Group III Roundup Ready Soybeans to Diseases and Herbicides.[1]

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
AG3701	Asgrow	—	—	—	—	—	—	—	—	R	1.0	I
AG3702	Asgrow	—	—	—	—	—	—	—	—	R	1.0	T
AG3902	Asgrow	—	—	—	—	—	—	—	—	R	1.0	I
AG3903	Asgrow	—	—	—	—	—	—	—	—	R	1.1	I
RC3866 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R	1.1	I
DK 3961RR	Delta King	—	—	—	—	—	—	—	—	R	1.1	I
DK 3964RR	Delta King	—	—	—	—	—	—	—	—	R	1.0	I
DK 3862RR	Delta King	—	—	—	—	—	—	—	—	R	1.0	T
DK 3968RR	Delta King	—	—	—	—	—	—	—	—	R	1.0	I
HX38-92955 (E)	Hartz	—	—	—	—	—	—	—	—	R	1.0	I
HBK SB3980RR	Hornbeck	—	—	—	—	—	—	—	—	R	1.0	I

[1](E) = Experimental.

Table 105. Reaction of Maturity Group IV Early Soybeans to Diseases and Herbicides.[1]

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
AgriPro/Garst 4501RR/N	AgriPro/Garst	—	—	—	—	—	—	—	—	R	1.1	I
AgriPro/Garst 4512RR/N	AgriPro/Garst	—	—	—	—	—	—	—	—	R-S(S)	3.2	I
AgriPro/Garst 4888RR	AgriPro/Garst	—	R	M	—	R	—	—	MR	R	1.0	T
Armor 44-R4	Armor	—	—	—	—	—	—	—	—	R-S(S)	3.4	I
Armor 47-G7	Armor	—	—	—	—	—	—	—	—	R-S	3.6	I
AG4301	Asgrow	—	—	—	—	—	—	—	—	R	1.0	I
AG4403	Asgrow	—	R	—	—	—	—	—	—	R-S(S)	3.2	T
AG4602	Asgrow	R	R	S	—	S	—	—	MS	R-S(M)	1.9	T
AG4702	Asgrow	R	R	S	—	S	—	—	S	I	3.4	I
RC 4444 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R-S(S)	3.3	S
RT 4241 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R	1.0	S
TS 466RR	Croplan Genetics	R	S	R	S	S	—	—	S	R	1.0	T
DK 4461RR	Delta King	—	—	—	—	—	—	—	—	R-S(S)	3.3	I
DP4344RR	Deltapine	—	R	—	—	—	—	—	—	R-S(R)	2.6	T
DP4690RR	Deltapine	—	R	R	—	R	—	—	S	R	1.0	T
DPX4300RR (E)	Deltapine	—	—	—	—	—	—	—	—	R	1.1	I
DG 3443NRR	Dyna-Gro	—	—	—	—	—	—	—	—	—	—	I
DG 3463NRR	Dyna-Gro	R	R	M	R	M	—	—	I	R	1.0	T
DG 3468NRR	Dyna-Gro	—	—	—	—	—	—	—	—	R	1.0	T
H4554RR	Hartz	—	—	—	—	—	—	—	—	R	1.0	T
HX40-93038 (E)	Hartz	—	—	—	—	—	—	—	—	R-S	2.3	T
HBK R4660	Hornbeck	—	S	R	R	S	—	—	S	R	1.0	T
HBK R4820	Hornbeck	—	—	—	—	—	—	—	—	R-S(MS)	3.1	T
HBK SB 4310R	Hornbeck	—	—	—	—	—	—	—	—	R	1.1	I
9410XRR (E)	M & D Gold	—	—	—	—	—	—	—	—	—	—	T
9480XRR (E)	M & D Gold	—	—	—	—	—	—	—	—	—	—	I
NK S46-G2	NK	—	—	—	—	—	—	—	—	—	—	I
94B23	Pioneer	—	—	—	—	—	—	—	—	R	1.0	T
94B53	Pioneer	—	—	—	—	—	—	—	—	R	1.0	T
94B73	Pioneer	—	—	—	—	—	—	—	—	R	1.1	I
SS RT446N	Southern States	—	—	—	—	—	—	—	—	R-S(S)	3.1	T
TV4589RR	Terral	—	R	R	—	R	—	—	MR	R	1.1	T

[1](E) = Experimental.

Table 106. Reaction of Maturity Group IV Late Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
AG4602	Asgrow	R	R	S	—	S	—	—	MS	R-S(M)	190	T
AG4702	Asgrow	—	R	—	—	—	—	—	—	I	3.4	I
AG4902	Asgrow	—	R	M	—	R	—	—	I	R-S	1.5	T
AG5001	Asgrow	—	R	M	R	R	—	—	MR	R-S(R)	1.8	T
RC 4848	Croplan Genetics	—	M	M	M	M	—	—	S	R	1.0	T
RC 4995 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R	1.0	I
YRC 49 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R-S(S)	1.3	S
Delta Grow 4850RR	Delta Grow	—	—	—	—	—	—	—	—	R	1.4	T
Delta Grow 4950RR	Delta Grow	—	—	—	—	—	—	—	—	—	—	I
DK 4762RR	Delta King	—	—	—	—	—	—	—	—	R-S(S)	3.7	T
DK 4868RR	Delta King	—	R	M	—	R	—	—	S	S	4.0	T
DK 4965RR	Delta King	—	—	S	—	M	—	—	S	R	1.0	T
DK 4763RR	Delta King	—	—	—	—	—	—	—	—	R-S(S)	3.3	I
DK XTJ184RR (E)	Delta King	—	—	—	—	—	—	—	—	R	1.1	I
DK XTJ201RR (E)	Delta King	—	—	—	—	—	—	—	—	R-S(S)	3.6	I
DPX4885RR (E)	Deltapine	—	—	—	—	—	—	—	—	—	—	I
SG498RR	Deltapine	MR	M	R	R	M	—	—	MS	R	1.2	T
Dixie 4803RR	Dixie	—	R	—	—	—	—	—	—	R	1.0	I
DG 3484NRR	Dyna-Gro	—	—	—	—	—	—	—	—	R	1.1	T
ES Prairie RR	Eagle Seed	—	R	—	—	—	—	—	—	R	1.0	T
FFR 4900RR	FFR	—	—	—	—	—	—	—	—	R	1.1	I
Genesis A484RR	Genesis	—	R	—	—	—	—	—	—	R	1.4	T
Genesis B481RR	Genesis	—	—	—	—	—	—	—	—	R	1.2	I
Genesis A504RR	Genesis	—	R	—	—	—	—	—	—	R	1.0	T
H4884RR	Hartz	—	R	—	—	—	—	—	—	R	1.0	T
H4994RR	Hartz	—	—	—	—	—	—	—	—	R-S(S)	1.8	I
HBK R4920	Hornbeck	—	R	—	—	—	—	—	—	R	1.1	T
HBK R5101	Hornbeck	—	—	—	—	—	—	—	—	R	1.1	I
Morsoy RT4809	Morsoy	—	R	—	—	—	—	—	—	S	4.0	T
NK S51-T1	NK	MR	S	R	S	S	—	—	S	R-S(S)	3.3	T
9492	Pioneer	—	R	R	R	S	—	—	—	R-S	2.7	T
Progeny 4858RR	Progeny	—	—	—	—	—	—	—	—	R	1.1	I
SS RT4980	Southern States	—	R	—	—	—	—	—	—	R	1.1	I
SS RT46704N	Southern States	—	R	—	—	—	—	—	—	R	1.0	I
TV4886RR	Terral	—	R	—	—	—	—	—	—	R	1.0	T
TV4890RR	Terral	—	S	R	R	M	—	—	I	R	1.1	T
USG 7489RR	USG	—	—	—	—	—	—	—	—	R-S	2.2	—
V492NRR	Vigoro	—	—	—	—	—	—	—	—	R	1.1	T

[1](E) = Experimental.

Table 107. Reaction of Maturity Group V Early Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
AgriPro/Garst 5512RR/N	AgriPro/Garst	—	—	—	—	—	—	—	—	R	1.0	I
Armor 53-K3	Armor	—	—	—	—	—	—	—	—	R	1.0	I
Armor 54-Z4	Armor	—	—	—	—	—	—	—	—	R	1.0	I
AG5001	Asgrow	—	R	M	R	R	—	—	MR	R-S(R)	1.8	T
AG5501	Asgrow	—	—	—	—	—	—	—	—	R	1.0	T
AG5602	Asgrow	R	R	S	—	S	—	—	MS	R	1.1	T
AG5603	Asgrow	—	—	—	—	—	—	—	—	—	—	T
AG5701	Asgrow	—	—	—	—	—	—	—	—	R-S(S)	3.6	I
RC 5252 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R	1.0	I
RC5454 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R	1.0	I
YRC51 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R	1.0	
YRC56 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R	1.0	I
Delta Grow 5250RR	Delta Grow	—	—	—	—	—	—	—	—	R	1.0	T
Delta Grow 5450RR	Delta Grow	—	—	—	—	—	—	—	—	R	1.0	I
Delta Grow 5630RR	Delta Grow	—	R	—	—	—	—	—	—	R-S(R)	2.4	T
Delta Grow 5600RR	Delta Grow	—	—	—	—	—	—	—	—	R	1.0	S
DK5465RR	Delta King	—	—	—	—	—	—	—	—	R	1.0	I
DK5366RR	Delta King	—	—	—	—	—	—	—	—	R-S(R)	1.4	I
DK5661RR	Delta King	—	—	—	—	—	—	—	—	R-S(S)	3.4	I
DK5668RR	Delta King	—	—	—	—	—	—	—	—	R-S(S)	3.0	I
DK XTJ202RR (E)	Delta King	—	—	—	—	—	—	—	—	R-S	3.1	I
DK XTJ203RR (E)	Delta King	—	—	—	—	—	—	—	—	—	—	I
DK XTJ204RR (E)	Delta King	—	—	—	—	—	—	—	—	R-S(S)	3.5	I
DK XTJ205RR (E)	Delta King	—	—	—	—	—	—	—	—	R-S(S)	3.1	S
DP5414RR	Deltapine	—	R	—	—	—	—	—	—	R	1.0	T
DP5644RR	Deltapine	—	—	—	—	—	—	—	—	R-S	2.3	I
DG 3518NRR	Dyna-Gro	—	—	—	—	—	—	—	—	R-S(R)	1.6	S
DG 3535NRR	Dyna-Gro	—	—	—	—	—	—	—	—	R-S(S)	3.5	T
DG 3543NRR	Dyna-Gro	—	—	—	—	—	—	—	—	R	1.0	I
DG 3562NRR	Dyna-Gro	—	—	—	—	—	—	—	—	R-S(R)	1.2	T
ES Punch RR	Eagle Seed	—	—	—	—	—	—	—	—	R	1.0	I
ES Ranger RR	Eagle Seed	—	—	—	—	—	—	—	—	R	1.0	I
Genesis B531RR	Genesis	—	—	—	—	—	—	—	—	R	1.0	I
Genesis B544RR	Genesis	—	—	—	—	—	—	—	—	R	1.1	—
H5231RR	Hartz	—	—	—	—	—	—	—	—	R	1.0	I
HBK R5420	Hornbeck	—	—	—	—	—	—	—	—	R	1.0	S
HBK R5588	Hornbeck	MR	M	R	S	R	—	—	R	R	1.0	T
HBK R5620	Hornbeck	—	—	—	—	—	—	—	—	R-S	2.3	I
9551XRR (E)	M & D Gold	—	—	—	—	—	—	—	—	—	—	I
RT5110N	Morsoy	—	—	—	—	—	—	—	—	R	1.0	—
NK S59-V6	NK	MR	S	R	R	M	—	—	MS	R-S	2.5	T
9492	Pioneer	R	—	R	—	—	—	—	I	R	2.2	T
95B32	Pioneer	—	R	—	—	—	—	—	—	R-S(S)	3.8	I
95B53	Pioneer	—	M	R	R	S	—	—	R	R-S(R)	1.8	T
Progeny 5415RR	Progeny	—	—	—	—	—	—	—	—	R	1.0	I
Progeny 5660RR	Progeny	—	—	—	—	—	—	—	—	R-S((S)	3.5	S
SS RT5001N	Southern States	—	—	—	—	—	—	—	—	R	1.0	S
SS RT517N	Southern States	—	—	—	—	—	—	—	—	—	—	I
SS RT557N	Southern States	R	R	M	—	M	—	—	MR	R	1.1	T
TV52R42	Terral	—	—	—	—	—	—	—	—	R	1.0	I
TV5486RR	Terral	—	—	—	—	—	—	—	—	R	1.1	T
TV5666RR	Terral	R	M	R	M	M	R	MR	R	R-S	1.7	T
TVX5R400 (E)	Terral	—	—	—	—	—	—	—	—	R-S(R)	1.4	S
TVX5R600 (E)	Terral	—	—	—	—	—	—	—	—	R-S	2.7	S
TVX54R001 (E)	Terral		—	—	—	—	—	—	—	R	1.0	T
TVX56R001 (E)	Terral	—	—	—	—	—	—	—	—	R-S(S)	3.2	S
USG 540nRR	USG	—	R	—	—	—	—	—	—	R	1.0	T
USG 7547RR	USG	—	M	M	—	S	—	—	MR	R-S(R)	1.6	T
V562NRR	Vigoro	—	—	—	—	—	—	—	—	R-S(S)	3.0	S

[1](E) = Experimental.

Table 108. Reaction of Maturity Group V Late Roundup Ready Soybeans to Diseases and Herbicides.[1]

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
Armor 56-J6	Armor	—	—	—	—	—	—	—	—	R-S	3.0	I
Armor 59-B9	Armor	—	—	—	—	—	—	—	—	R	1.0	S
AG5701	Asgrow	—	R	M	—	S	—	—	I	R-S(S)	3.6	T
AG5901	Asgrow	MR	R	S	—	S	—	—	R	R	1.0	T
AG5902	Asgrow	—	—	—	—	—	—	—	—	R-S(R)	1.3	I
590RR	Croplan Genetics	—	R	M	R	R	—	—	—	R-S(S)	3.6	T
YRC 57 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R	1.0	I
YRC 58 (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R-S(R)	1.5	I
Delta Grow 5950RR	Delta Grow	—	R	M	R	M	—	—	S	R-S	2.6	T
DK5762RR	Delta King	—	M	R	R	M	—	—	S	R-S(S)	3.9	T
DK5961RR	Delta King	I	R	M	R	R	—	—	R	R	1.3	T
DP5806RR	Deltapine	MR	M	R	R	R	—	—	MS	R-S	2.6	T
DP5915RR	Deltapine	—	R	R	R	R	—	—	R	R-S(R)	1.5	T
DG 3582NRR	Dyna-Gro	—	—	—	—	—	—	—	—	R-S	2.7	T
ES Marshal RR	Eagle Seed	—	—	—	—	—	—	—	—	R	1.0	I
ES Trooper RR	Eagle Seed	—	—	—	—	—	—	—	—	R	1.0	I
H5885RR	Hartz	—	—	—	—	—	—	—	—	R-S(MS)	2.9	I
H5999RR	Hartz	MR	M	R	—	R	—	—	MR	R	1.0	T
HBK R5820	Hornbeck	—	—	—	—	—	—	—	—	R	1.0	S
HBK R5920	Hornbeck	—	M	R	—	R	—	—	S	S	3.4	T
HBK R6020	Hornbeck	—	R	M	R	M	—	—	MS	R-S(R)	1.8	T
NK S59-V6	NK	MR	M	—	—	S	—	—	MS	R-S	2.5	—
NK S58-R3	NK	—	—	—	—	—	—	—	—	—	—	T
95B96	Pioneer	—	—	—	—	—	—	—	—	R-S(S)	3.1	I
Progeny 5900RR	Progeny	—	—	—	—	—	—	—	—	R-S	2.4	I
SS RT587N	Southern States	MR	R	S	M	M	—	—	MS	R	1.0	I
SS RT5999N	Southern States	—	—	—	—	—	—	—	—	R	1.1	I
TV59R98	Terral	—	—	—	—	—	—	—	—	—	—	I
TV59R85	Terral	—	—	—	—	—	—	—	—	R-S(S)	3.3	I
TVX58R001 (E)	Terral	—	—	—	—	—	—	—	—	R-S	2.8	I
TVX5R800 (E)	Terral	—	—	—	—	—	—	—	—	R-S(S)	3.3	I
TVX5R900 (E)	Terral	—	—	—	—	—	—	—	—	R	1.0	I
USG EXP 570 (E)	USG	—	—	—	—	—	—	—	—	R-S	2.7	I
USG 7585nRR	USG	—	—	—	—	—	—	—	—	—	—	—

[1](E) = Experimental.

Table 109. Reaction of Maturity Group VI Roundup Ready Soybeans to Diseases and Herbicides.[1]

Variety	Brand	Virus SMV/BPMV	Phytophthora root rot				Cyst nematode		Frogeye leafspot	Stem canker		Herbicide reaction
			R2	R4	R3	R10	R3	R14		Rating	Score	
AgriPro/Garst XR0162N44 (E)	AgriPro/Garst	—	—	—	—	—	—	—	—	R-S	3.1	I
AgriPro Garst 6612RR/N	AgriPro/Garst	—	—	—	—	—	—	—	—	R-S	2.9	I
AG6101	Asgrow	—	—	—	—	—	—	—	—	R	1.1	I
AG6201	Asgrow	—	—	—	—	—	—	—	—	R-S	2.9	—
TS6299RR (E)	Croplan Genetics	—	—	—	—	—	—	—	—	R	1.1	I
V602NRR	Vigoro	—	—	—	—	—	—	—	—	R-S	3.1	I

[1](E) = Experimental.

Public Varieties Entered

Arkansas Agricultural Experiment Station

Caviness
R92-1258 (Exp.)
R95-2210 (Exp.)
UARK-5798
UARK-5896
R96-209 (Exp.)

University of Missouri Agricultural Experiment Station

Delsoy 5500

South Carolina Agricultural Experiment Station

Dillon
SANTEE (was SC91-2007)

Tennessee Agricultural Experiment Station

TN96-58 (Exp.)

USDA Agricultural Research Service

Bolivar
DT96-6840 (Exp.)
DT97-4290 (Exp.)

Virginia Agricultural Experiment Station

Hutcheson

Commercial Varieties Entered

Armor Seed Company P.O. Box 178 Fisher, AR 72429	Armor 44-R4 Armor 47-G7 Armor 52-C2 Armor 53-K3	Armor 54-Z4 Armor 56-J6 Armor 59-B9
Cache River Valley Dev. Corp. P.O. Box 10, Hwy. 226 Cash, AR 72421	Dixie 478 Dixie 4803RR	Morsoy RT4809 Morsoy RT5110N
Delta and Pine Land Co. 7265 Hwy. 9 South Centre, AL 35960	DP4344RR DP4690RR SG498RR DP4748S DPX4300RR (Exp.) DPX4885RR (Exp.)	DP5644RR DP5806RR DP5915RR DP5414RR (was DPX5514RR) DP5989 DP5110S (was DPX4910S)
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 4850RR Delta Grow 4950RR Delta Grow 5250RR Delta Grow 5450RR	Delta Grow 5600RR Delta Grow 5630RR Delta Grow 5950RR
Delta King Seed Company 522 Poplar Ave. McCrory, AR 72101	DK3961RR DK3964RR DK4680 DK4711 DK4762RR DK4868RR DK4965RR DK5366RR DK5465RR DK5661RR DK5668RR DK5762RR DK5850	DK5961RR DK5995 DK 4461RR DK 4763RR DK 3862RR DK 3968RR DK XTJ184RR (Exp.) DK XTJ201RR (Exp.) DK XTJ202RR (Exp.) DK XTJ203RR (Exp.) DK XTJ204RR (Exp.) DK XTJ205RR (Exp.)
Eagle Seed Company P.O. Box 308 Weiner, AR 72479	ES Marshall RR (was ES5706RR) ES Prairie RR (was ES4902RR) ES Punch RR (was ES5000RR)	ES Ranger RR (was ES4900RR) ES Trooper RR (was ES5700RR)
FFR Seed 969 Cloverleaf Dr. Southaven, MS 38671	FFR 4900RR	
Garst Seed Company 761 Walnut Knoll Lane, Suite 200 Memphis, TN 38018	AgriPro/Garst 4501RR/N AgriPro/Garst 4512 RR/N AgriPro/Garst 4888RR	AgriPro/Garst 5512RR/N AgriPro/Garst XR0162N44 (Exp.) AgriPro/Garst 6612RR/N
Genesis Ag Ltd. P.O. Box 21085 Lansing, MI 48909	Genesis A484RR Genesis A504RR Genesis B481RR	Genesis B531RR Genesis B544RR
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK 4891 HBK 5812 HBK 5991 HBK R4660 HBK R4820 HBK R4920 HBK R5101 HBK R5420	HBK R5820 HBK R5588 HBK R5620 HBK R5920 HBK R6020 HBK SB3980R HBK SB4301R
Land O'Lakes/Croplan Genetics P.O. Box 146 Blytheville, AR 72315	RC3866 (Exp.) RT4241 (Exp.) RC4444 (Exp.) TS 466RR RC 4848 (was WF 480RR) YRC49 (Exp.) RC4995 (Exp.) YRC51 (Exp.)	RC5252 (Exp.) RC5454 (Exp.) YRC56 (Exp.) YRC57 (Exp.) YRC58 (Exp.) 590RR TS6299RR (Exp.)

M & D Seed 8982 Ford Rd. Kinmundy, IL 62854	9410XRR (Exp.) 9480XRR (Exp.) 9551XRR (Exp.)	
Monsanto Company 3100 Sycamore Rd. DeKalb, IL 60115	Asgrow AG3701 Asgrow AG3702 Asgrow AG3902 Asgrow AG3903 Asgrow AG4301 Asgrow AG4403 Asgrow AG4602 Asgrow AG4702 Asgrow AG4902 Asgrow AG5001 Asgrow AG5501 Asgrow AG5603 Asgrow AG5701 Asgrow AG5902	Asgrow A5959 Asgrow AG6201 AsgrowAG5901 Asgrow AG5602 Asgrow AG6101 Hartz H4884RR Hartz H4554RR Hartz H5885RR Hartz H5999RR Hartz H4994RR Hartz H5231RR Hartz HX38-92955 (Exp.) Hartz HX40-93038 (Exp.)
Pioneer Hi-Bred Intl. 6767 Old Madison Pike Suite 110 Huntsville, AL 35806	Pioneer variety 9492 Pioneer variety 94B23 Pioneer variety 94B54 Pioneer variety 94B53 Pioneer variety 94B73 Pioneer variety 95B32	Pioneer variety 95B33 Pioneer variety 95B53 Pioneer variety 9594 Pioneer variety 95B96 Pioneer variety 95B97 Pioneer variety 9511
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 4910 Progeny 5600 Progeny 5120N Progeny 5900RR	Progeny 4858RR Progeny 5415RR Progeny 5660RR
Royster-Clark Inc. 70 N. Market St. Mt. Sterling, OH 43143	Vigoro V492NRR Vigoro V562NRR Vigoro V602NRR	
Southern States Coop P.O. Box 26234 Richmond, VA 23260	SS RT446N SS RT4980 SS RT5999N SS RT46704N SS RT5001N	SS RT5200STS SS RT557N SS RT587N SS 597N SS RT517N
Syngenta Seed 100 Sangria Dr. Hattiesburg, MS 39402	NK S46-G2 NK S51-T1	NK S59-V6 NK S58-R3
Terral Seed Company P.O. Box 826 Lake Providence, LA 71254	TV4886RR TV4890RR TV4881 TV4975 TV5486RR TV5666RR TV4589RR TV5926 TV52R42 (was 50R901)	TVX54R001 (Exp.) TVX56R001 (Exp.) TVX58R001 (Exp.) TV59R85 (was TVX59R901) TV59R98 TVX5R400 (Exp.) TVX5R600 (Exp.) TVX5R800 (Exp.) TVX5R900 (Exp.)
UAP Mid South 57 Germantown Court Suite 200 Cordova, TN 38018	DG 3443NRR DG 3463NRR DG 3468NRR DG 3484NRR DG 3518NRR	DG 3535NRR DG 3543NRR DG 3562NRR DG 3582NRR
UniSouth Genetics 2640-C Nolensville Rd. Nashville, TN 37211	USG 540nRR USG 7489RR USG 7547RR	USG 7585nRR USG EXP. 570 (Exp.)

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