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MISSISSIPPI SOYBEAN

VARIETY TRIALS, 2002

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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 80-82 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 80-82.

Mississippi Soybean Variety Trials, 2002

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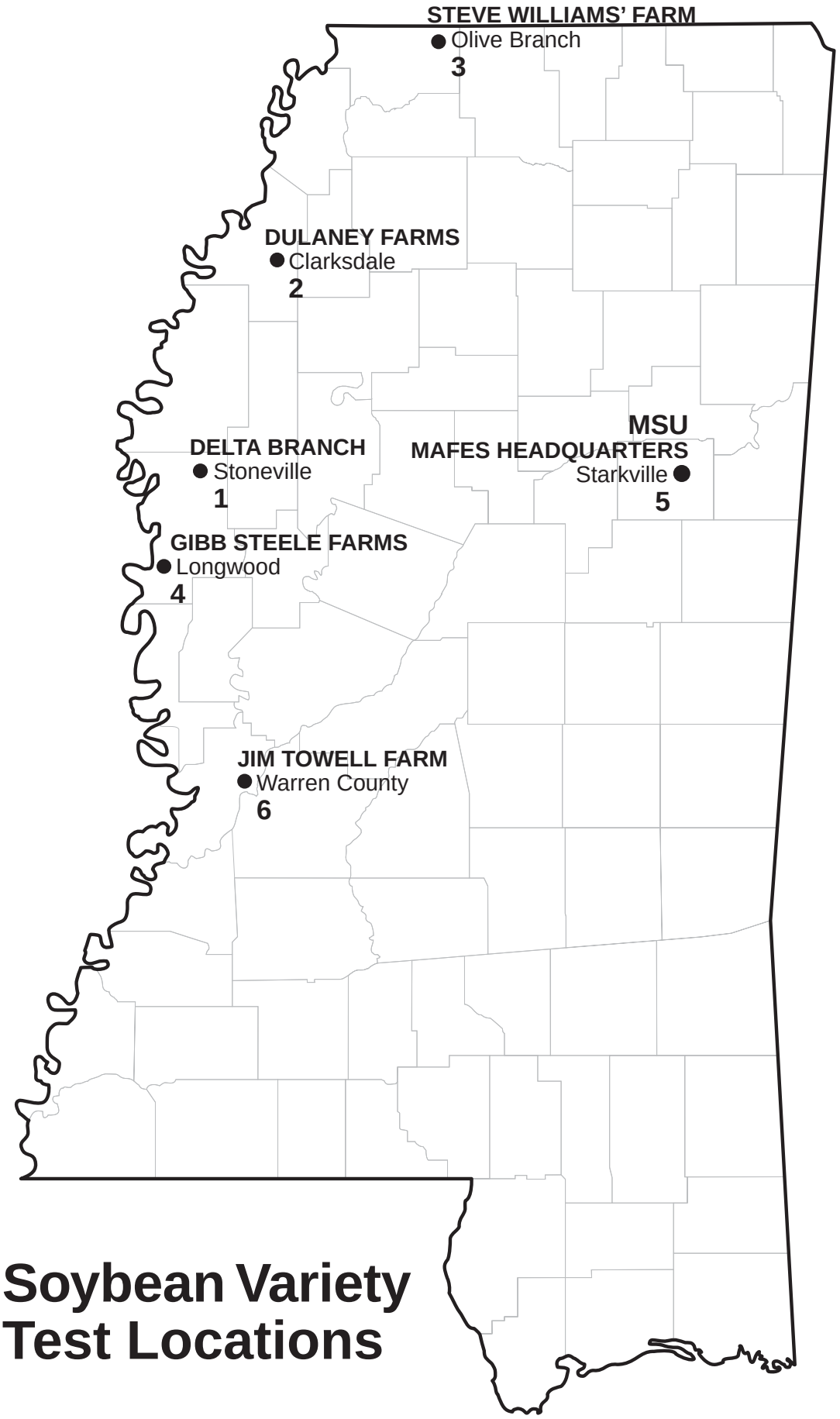

Soybean Variety Test Locations

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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 six locations in 2002 (see map). Commercial seed companies were given the opportunity to enter varieties for testing. Seed 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 groups IV, V, and VI plots had four rows, which were 30 inches wide. Relative maturity group III plots had four rows, which were 15 inches wide at Delta locations and 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 = 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 84-108 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. 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 Cooperative Extension Service offers a disease diagnostic service and nematode analysis free of charge.

(2) Use Tables 84-108 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 with 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 75-83 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 75-83, but this is subject to seasonal variation. Knowing the number of seed 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	–	DP4748S
Group IV Late	DP4748S	DP5110S
Group V Early	DP5110S	Hutcheson
Group V Late	Hutcheson	P9594
Group VI	P9594	–

Roundup Ready Test

Maturity Group	Early Check	Late Check
Group IV Early	–	AG 4601
Group IV Late	AG4601	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 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DP4748S	DPL	74.7	56.5	69.8	36.3	59.3	40.0	52.7	46.4		55.0
HBK 4891	Hornbeck	81.5	66.8	68.8	36.5	63.4	40.1	52.3	46.2		57.7
HBK 4944CX	Hornbeck	68.0	38.3	59.0	37.0	50.6	39.2	38.4	38.8		46.7
Progeny 4910	Progeny	81.1	52.5	70.1	38.8	60.6	41.0	50.9	46.0		55.7
DT98-7278 (E)	Public	75.8	53.1	71.0	34.7	58.6	54.1	52.1	53.1		56.8
DT98-9102 (E)	Public	70.4	68.5	71.6	40.9	62.8	49.4	52.3	50.8		58.8
Overall Mean		75.2	55.9	68.4	37.4	59.2	44.0	49.8	46.9		55.1
LSD (.10)		7.9	13.6	6.2	3.0	4.0	9.2	5.3	5.0		3.1
Error degrees of freedom		10	10	10	10	40	10	10	20		60
CV (%)		7.1	16.5	6.2	5.5	9.8	14.1	7.2	10.8		10.1
R^2 (%)		64	69	65	82	93	61	79	73		92

[1](E) = Experimental.

Table 2. Summary of Yields for Maturity Group V Early for the 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Warren County	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	68.1	67.2	69.2	37.8	60.6	37.9	55.0	12.0	34.9		49.6
A5427	Asgrow	73.2	64.7	73.9	41.1	63.2	63.4	48.9	17.3	43.2		54.6
DP5110S	DPL	75.6	69.1	73.5	42.7	65.2	49.1	56.7	17.8	41.2		54.9
Progeny 5120N	Progeny	72.9	67.6	68.5	39.0	62.0	56.0	52.7	16.9	41.8		53.4
Progeny 5600	Progeny	70.8	66.4	67.5	42.5	61.8	52.5	56.6	13.9	41.0		52.9
DT97-6308 (E)	Public	74.2	54.9	71.5	41.9	60.6	42.2	54.3	12.8	36.4		50.2
Overall Mean		72.5	65.0	70.7	40.8	62.2	50.2	54.0	15.1	39.8		52.6
LSD (.10)		7.4	13.2	3.1	2.5	3.6	7.9	7.0	3.9	3.5		2.5
Error degrees of freedom		10	10	10	10	40	10	10	10	30		70
CV (%)		6.9	13.7	3.0	4.1	8.5	10.6	8.7	17.6	11.0		9.4
R^2 (%)		31	38	75	86	92	82	40	81	97		96

[1](E) = Experimental.

Table 3. Summary of Yields for Maturity Group V Late for the 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	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	62.7	68.3	67.4	41.5	60.0	53.5	13.4	33.4		51.1
DK 5995	Delta King	73.0	65.6	76.2	38.6	63.4	61.6	14.2	37.9		54.9
DP5989	DPL	72.6	65.2	69.2	35.4	60.6	61.8	14.6	38.2		53.1
HBK 5991	Hornbeck	80.5	65.3	72.0	39.8	64.4	44.9	11.3	28.1		52.3
9594	Pioneer	79.9	71.4	80.4	39.0	67.7	51.2	20.8	36.0		57.1
95B97	Pioneer	82.1	70.0	75.2	36.7	66.0	45.8	18.3	32.1		54.7
Bolivar	Public	75.1	57.8	62.5	35.6	57.7	40.3	16.7	28.5		48.0
DT96-6840 (E)	Public	73.0	62.4	71.3	39.2	61.5	54.2	21.5	37.9		53.6
Hutcheson	Public	55.0	68.5	62.0	38.4	59.4	43.1	13.8	28.5		49.1
UARK-5896	Public	51.5	56.8	65.1	44.0	57.8	41.1	23.1	32.1		49.3
Overall Mean		73.3	65.1	70.1	38.8	61.8	49.8	16.8	33.3		52.3
LSD (.10)		6.0	19.2	5.6	4.0	5.1	8.4	5.4	4.9		3.7
Error degrees of freedom		18	18	18	18	72	18	18	36		108
CV (%)		5.8	20.8	5.6	7.3	12.1	12.0	22.6	15.0		13.0
R^2 (%)		78	18	80	71	86	73	77	95		94

[1](E) = Experimental.

Table 4. Summary of Yields for Maturity Group III Roundup Ready for the 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	MSU	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*
Armor 39-E9	Armor	49.7	49.7	42.9	74.2	34.0	50.4		50.2
AG3702	Asgrow	48.2	48.2	34.3	61.2	23.7	39.7		41.8
AG3902	Asgrow	46.1	46.1	36.6	60.0	31.8	42.8		43.6
AG3903	Asgrow	41.7	41.7	29.0	62.3	20.0	37.1		38.2
DK 3862RR	Delta King	46.4	46.4	35.3	67.1	20.1	40.8		42.2
DK 3961RR	Delta King	47.4	47.4	48.4	70.4	37.0	51.9		50.8
DK 3964RR	Delta King	48.0	48.0	37.4	72.5	38.3	49.4		49.0
DK 3968RR	Delta King	48.7	48.7	43.8	72.1	34.9	50.3		49.9
DK XTJ033RR (E)	Delta King	40.9	40.9	47.2	66.7	22.3	45.4		44.3
DPX3761RR (E)	DPL	47.3	47.3	41.2	67.9	32.4	47.2		47.2
DPX3819RR (E)	DPL	46.2	46.2	24.7	76.7	31.1	44.2		44.7
DPX3940RR (E)	DPL	53.2	53.2	45.7	72.3	39.3	52.4		52.6
H3090RR	Hartz	39.2	39.2	42.7	66.7	37.4	48.9		46.5
HBK R3980	Hornbeck	41.1	41.1	43.6	71.3	30.2	48.4		46.5
HBK XR390-02 (E)	Hornbeck	41.1	41.1	28.7	70.8	24.9	41.5		41.4
MorSoy RT3881	MorSoy	36.7	36.7	34.0	69.4	33.1	45.5		43.3
NK S39-Q4	NK	42.7	42.7	39.6	69.1	39.5	49.4		47.7
SS RT 3502	Southern States	46.6	46.6	37.9	65.8	22.3	42.0		43.1
SS RT 3702	Southern States	40.0	40.0	31.8	69.8	35.1	45.6		44.2
SS RT 3975	Southern States	50.4	50.4	41.9	66.2	26.6	44.9		46.3
TVX39R201 (E)	Terral	44.0	44.0	30.8	59.9	32.8	41.1		41.8
Overall Mean		45.0	45.0	38.0	68.2	30.8	46.6		46.2
LSD (.10)		8.2	8.2	7.3	7.7	7.2	4.3		3.8
Error degrees of freedom		40	40	20	40	40	100		140
CV (%)		13.2	13.2	11.2	8.2	17.1	11.2		11.8
R^2 (%)		62	62	83	52	72	95		93

[1](E) = Experimental.

Table 5. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 44-R4	Armor	65.4	54.1	66.2	33.3	54.7	54.2	32.9	43.6		51.0
Armor 44R5	Armor	57.2	49.2	68.6	35.0	52.5	59.8	43.2	51.6		52.2
AG4201	Asgrow	60.8	68.4	67.7	31.6	57.1	42.3	35.1	38.7		51.0
AG4403	Asgrow	77.3	50.4	68.1	40.8	59.1	53.5	38.6	46.1		54.8
AG4603	Asgrow	73.2	61.7	69.2	41.8	61.5	43.3	48.0	45.7		56.2
AG4702	Asgrow	67.7	54.3	60.6	38.7	55.3	48.7	46.9	47.8		52.8
RC 4222	Croplan Genetics	62.9	53.9	68.1	30.0	53.7	57.5	38.8	48.2		51.9
RC 4432	Croplan Genetics	68.7	50.9	62.5	37.5	54.9	53.9	34.3	44.1		51.3
RC 4444	Croplan Genetics	74.6	61.1	64.9	40.1	60.2	47.9	44.3	46.1		55.5
DK 4461RR	Delta King	69.9	51.0	61.9	33.0	54.0	52.9	38.8	45.9		51.3
DK XTJ040RR (E)	Delta King	56.5	44.5	53.9	22.5	44.4	44.9	35.3	40.1		42.9
DK XTJ041RR (E)	Delta King	58.3	56.9	65.3	29.7	52.5	41.3	40.2	40.8		48.6
DK XTJ044RR (E)	Delta King	78.4	67.4	69.2	33.6	62.2	52.9	41.0	47.0		57.1
DK XTJ046RR (E)	Delta King	62.8	55.7	63.3	37.9	54.9	36.2	48.4	42.3		50.7
DK XTJ301RR (E)	Delta King	71.7	55.5	63.0	35.8	56.5	50.6	40.5	45.6		52.9
DP4344RR	DPL	68.8	53.1	56.2	43.6	55.4	48.8	41.3	45.1		52.0
DP4690RR	DPL	79.7	62.0	49.0	39.5	57.6	53.3	40.5	46.9		54.0
DPX4446RR (E)	DPL	72.7	51.4	63.3	44.6	58.0	57.9	40.2	49.0		55.0
DPX4527RR (E)	DPL	63.4	51.7	65.2	33.8	53.5	33.7	33.7	33.7		46.9
DPX4431RR (E)	DPL	74.1	52.8	64.1	32.1	55.8	53.8	41.7	47.8		53.1
DG 3443NRR	Dyna-Gro	78.1	49.5	61.1	37.0	56.4	49.9	36.8	43.3		52.1
DG 3463NRR	Dyna-Gro	65.9	59.4	59.9	40.3	56.4	39.5	40.0	40.0		50.8
Garst 4512RR/N	Garst	68.7	54.5	62.2	35.1	55.1	48.0	32.9	40.4		50.2
Genesis C444RR	Genesis	76.8	43.7	69.1	36.4	57.6	48.5	40.6	44.6		52.5
H4454RR	Hartz	73.2	50.2	66.0	37.4	56.7	48.7	40.7	44.7		52.7
H4554RR	Hartz	62.6	52.6	62.2	35.5	53.2	41.3	37.1	39.2		48.6
HBK R4622	Hornbeck	59.1	42.4	60.1	27.3	47.2	46.7	39.0	42.9		45.8
MorSoy RT4480	MorSoy	79.9	53.1	65.8	38.0	59.2	52.7	37.4	45.1		54.5
NK S40-R9	NK	64.4	53.5	61.6	27.8	51.8	39.1	23.3	31.3		44.9
94B13	Pioneer	68.0	47.9	66.1	32.9	53.7	43.7	32.1	37.9		48.5
Progeny 4303RR (E)	Progeny	61.5	49.6	55.1	31.7	49.4	27.8	39.1	33.5		44.1
Progeny 4401 (E)	Progeny	72.0	60.5	66.0	36.4	58.7	47.7	39.9	43.8		53.8
SS RT 446N	Southern States	63.5	58.1	63.1	36.3	55.3	41.1	40.5	40.8		50.5
SS RT 4502N	Southern States	66.1	61.3	63.3	35.6	56.6	52.7	35.2	44.0		52.4
TV 4589RR	Terral	66.2	62.1	65.3	35.6	57.3	33.3	38.5	35.9		50.2
USG 7440nRR	USG	76.3	53.9	67.8	38.5	59.1	50.9	34.8	42.9		53.7
Overall Mean		68.5	54.4	63.5	35.5	55.5	47.2	38.7	42.9		51.3
LSD (.10)		6.4	11.0	6.4	5.6	3.8	7.1	7.1	5.0		3.0
Error degrees of freedom		70	70	70	70	280	70	70	140		420
CV (%)		6.9	14.8	7.4	11.6	10.1	11.0	13.4	12.1		10.7
R^2 (%)		78	51	60	68	90	76	61	77		90

[1](E) = Experimental.

Table 6. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
4888RR	AgriPro	76.2	67.9	63.5	34.8	60.6	56.3	44.4	50.4		57.2
Armor 47-G7	Armor	72.3	68.5	62.2	38.6	60.4	47.2	51.8	49.5		56.8
Armor 49-D9 (E)	Armor	75.4	65.2	63.5	40.0	61.1	49.4	49.6	49.5		57.2
AG4702	Asgrow	64.1	56.0	55.1	38.5	53.4	40.1	47.4	43.8		50.2
AG4902	Asgrow	75.0	75.5	60.8	37.8	62.3	50.5	54.7	52.6		59.1
RC 4992 (E)	Croplan Genetics	80.0	73.2	68.9	37.6	64.9	43.1	47.2	45.2		58.3
RC 4995	Croplan Genetics	72.2	65.2	64.6	39.7	60.4	52.2	47.8	50.0		56.9
DG 4860RR	Delta Grow	74.2	71.8	56.8	35.9	59.7	45.1	48.9	47.0		55.5
DG 4950RR	Delta Grow	78.5	64.3	59.7	33.6	59.1	50.4	54.7	52.6		56.9
DK 4762RR	Delta King	67.6	58.4	57.0	35.6	54.7	38.9	45.3	42.1		50.5
DK 4763RR	Delta King	67.6	66.1	60.1	36.4	57.6	48.1	49.9	49.0		54.7
DK 4868RR	Delta King	79.2	70.5	70.1	35.4	63.8	45.2	50.3	47.8		58.5
DK 4965RR	Delta King	69.3	56.9	51.2	33.6	52.7	35.9	47.2	41.6		49.0
DK XTJ048RR (E)	Delta King	77.2	74.9	63.8	32.8	62.2	47.9	59.6	53.7		59.4
DK XTJ302RR (E)	Delta King	84.1	75.2	69.9	36.8	66.5	49.2	56.1	52.7		61.9
DK XTJ488RR (E)	Delta King	60.8	55.2	57.5	28.5	50.5	42.9	49.5	46.2		49.1
Dixie 4803	Dixie	75.7	67.9	63.1	36.4	60.8	55.1	49.7	52.4		58.0
DPX4727RR (E)	DPL	64.7	64.8	59.1	36.5	56.3	48.1	48.0	48.0		53.5
DPX4933RR (E)	DPL	79.2	72.7	67.4	37.5	64.2	41.3	51.3	46.3		58.3
SG498RR	DPL	76.3	77.8	65.5	34.3	63.5	45.9	51.2	48.6		58.5
DG 3484nRR	Dyna-Gro	71.0	58.1	57.8	39.9	56.7	32.3	44.2	38.3		50.6
DG X419NRR (E)	Dyna-Gro	63.5	67.3	60.3	42.0	58.3	41.1	50.1	45.6		54.1
ES Prairie	Eagle Seed	63.0	49.7	54.5	27.9	48.8	42.7	44.8	43.8		47.1
FFR 4712	FFR	73.4	53.0	51.1	37.0	53.7	46.1	54.1	50.1		52.5
FFR 4891	FFR	74.5	65.2	60.9	38.8	59.8	50.0	50.9	50.5		56.7
FFR 4922	FFR	82.1	67.4	68.4	38.6	64.1	38.1	51.2	44.6		57.6
Garst XR49N49 (E)	Garst	77.4	68.7	61.1	37.3	61.1	37.1	47.8	42.4		54.9
Genesis A484RR	Genesis	72.3	57.6	59.9	39.5	57.3	35.1	47.8	41.4		52.0
HBK R4820	Hornbeck	80.2	76.5	69.2	36.3	65.5	35.9	54.3	45.1		58.7
HBK R4920	Hornbeck	74.9	67.5	59.7	35.8	59.5	54.2	48.5	51.3		56.8
MorSoy RT4731	MorSoy	65.1	64.1	62.5	32.0	55.9	39.7	47.5	43.6		51.8
MorSoy RT4809	MorSoy	79.7	72.3	67.3	38.3	64.4	45.7	53.7	49.7		59.5
NK X248R (E)	NK	79.3	51.7	68.0	42.1	60.3	48.2	55.0	51.6		57.4
9492	Pioneer	71.3	66.4	66.4	41.9	61.5	46.5	52.3	49.4		57.5
94B73	Pioneer	71.5	72.9	62.7	43.5	62.7	55.0	56.3	55.7		60.3
94B74	Pioneer	72.1	60.9	43.6	27.3	51.0	51.4	55.1	53.3		51.7
Progeny 4932RR (E)	Progeny	80.8	71.8	63.9	39.4	64.0	38.5	53.5	46.0		58.0
Progeny 4858RR	Progeny	77.8	60.4	60.7	43.1	60.5	35.9	48.6	42.2		54.4
SS RT 517N	Southern States	68.3	67.7	64.7	36.7	59.3	38.4	58.1	48.3		55.6
SS RT 4902	Southern States	77.1	76.7	63.7	37.5	63.7	40.5	53.7	47.1		58.2
SS RT 4980	Southern States	79.7	66.5	59.2	35.1	60.1	52.0	52.8	52.4		57.5
SS RT 5001N	Southern States	73.9	58.7	64.6	39.3	59.1	50.1	56.7	53.4		57.2
TV4886RR	Terral	68.5	60.8	57.4	40.0	56.7	32.2	48.2	40.2		51.2
TV4890RR	Terral	64.6	59.9	46.9	37.9	52.3	37.6	48.4	43.0		49.2
TVX47R102 (E)	Terral	74.7	61.5	61.1	36.1	58.3	36.2	47.1	41.7		52.8
TVX49R102 (E)	Terral	74.4	68.3	62.2	34.2	59.8	53.2	46.1	49.7		56.4
USG 7499nRR	USG	72.4	60.8	62.6	40.2	59.0	36.5	49.4	43.0		53.7
Overall Mean		73.5	65.5	61.3	37.0	59.3	44.3	50.7	47.5		55.4
LSD (.10)		5.8	7.5	8.8	5.3	3.5	6.9	6.1	4.6		2.8
Error degrees of freedom		92	92	92	92	368	92	92	184		552
CV (%)		5.8	8.4	10.6	10.5	8.7	11.5	8.8	10.1		9.1
R^2 (%)		74	72	53	59	93	72	56	73		92

[1](E) = Experimental.

Table 7. Summary of Yields for Maturity Group V Early Roundup Ready for the 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 53-K3	Armor	52.8	70.8	63.0	33.5	55.0	39.1	17.9	28.5		46.2
Armor 54-Z4	Armor	64.2	69.3	69.0	35.5	59.5	48.0	21.4	34.7		51.2
Armor 56-J6	Armor	74.9	80.1	76.8	32.4	66.0	59.7	23.0	41.3		57.8
Armor AXR 5135 (E)	Armor	66.5	58.1	55.9	33.8	53.5	46.9	11.2	29.1		45.4
AG5301	Asgrow	69.4	78.5	73.5	33.1	63.7	52.5	12.1	32.3		53.2
AG5501	Asgrow	67.5	77.9	73.2	37.6	64.3	51.5	24.2	37.9		55.5
AG5603	Asgrow	61.9	60.4	61.5	31.6	53.8	41.4	13.7	27.6		45.1
AG5701	Asgrow	70.8	81.5	75.8	35.8	66.0	59.3	19.8	39.6		57.2
RC 5252	Croplan Genetics	65.3	61.3	68.2	33.7	57.1	52.4	18.6	35.5		49.9
RC 5332 (E)	Croplan Genetics	67.0	70.4	68.9	34.6	60.2	57.7	16.8	37.2		52.6
DG 5250RR	Delta Grow	60.3	56.5	66.1	35.5	54.6	49.4	18.4	33.9		47.7
DG 5350RR	Delta Grow	68.6	69.7	66.3	34.8	59.8	49.8	19.5	34.7		51.4
DG 5450RR	Delta Grow	62.6	58.8	68.1	33.5	55.7	43.8	19.5	31.7		47.7
DG 5630RR	Delta Grow	79.0	78.2	72.5	34.8	66.1	54.3	18.7	36.5		56.2
DK 5366RR	Delta King	76.5	85.6	74.5	38.7	68.8	67.5	24.0	45.7		61.1
DK 5465RR	Delta King	65.9	67.6	71.9	36.8	60.5	37.8	21.4	29.6		50.2
DK 5661RR	Delta King	73.5	76.9	72.7	35.2	64.6	51.5	22.1	36.8		55.4
DK 5668RR	Delta King	69.9	76.9	68.0	34.9	62.4	64.8	20.7	42.7		55.9
DK XTJ051RR (E)	Delta King	67.7	66.4	69.4	32.4	59.0	49.2	15.3	32.3		50.1
DK XTJ053RR (E)	Delta King	64.0	71.3	61.9	31.0	57.1	47.7	12.8	30.3		48.1
DK XTJ055RR (E)	Delta King	52.6	66.9	64.4	32.6	54.1	49.9	11.1	30.5		46.3
DK XTJ303RR (E)	Delta King	71.7	85.2	73.2	39.0	57.3	60.7	20.2	40.4		58.3
DP5414RR	DPL	74.1	70.6	65.8	34.5	61.3	51.3	31.6	41.5		54.7
DP5644RR	DPL	67.4	73.6	67.4	37.3	61.4	61.8	22.5	42.2		55.0
DPX5734RR (E)	DPL	73.4	78.3	69.6	36.3	64.0	66.2	17.3	41.7		56.8
DG 3535NRR	Dyna-Gro	73.8	83.2	73.7	37.2	67.0	61.7	16.3	39.0		57.6
DG 3562NRR	Dyna-Gro	71.2	77.1	65.7	35.7	62.4	72.2	20.5	46.4		57.1
Garst 5512RR/N	Garst	62.6	68.9	69.5	33.5	58.6	39.0	24.2	31.6		49.6
Genesis C514RR	Genesis	68.2	57.2	69.0	32.2	56.7	46.8	11.3	29.0		47.4
H5223RR	Hartz	56.2	68.7	65.3	29.5	55.0	44.9	17.6	31.2		47.0
H5444RR	Hartz	60.1	60.7	68.1	31.5	55.1	41.2	17.5	29.4		46.5
HBK R5101	Hornbeck	59.4	63.9	43.9	30.6	49.5	25.8	9.0	17.4		38.8
HBK R5422	Hornbeck	63.6	69.4	64.7	37.1	58.7	56.9	16.2	36.5		51.3
HBK R5620	Hornbeck	79.9	82.7	77.5	36.4	69.1	65.4	20.1	42.8		60.3
MorSoy RT5252 (E)	MorSoy	64.5	68.4	67.6	34.8	58.8	57.3	21.0	39.2		52.3
MorSoy RT5442 (E)	MorSoy	55.7	64.5	65.6	31.8	54.4	36.7	14.4	25.6		44.8
MorSoy RT5440	MorSoy	61.8	64.7	70.6	35.0	58.0	50.1	21.1	35.6		50.5
MorSoy RT5620	MorSoy	74.4	73.8	67.7	35.1	62.7	71.3	17.6	44.5		56.6
NK S52-U3	NK	62.8	67.8	61.8	31.6	56.0	61.3	20.6	41.0		51.0
NK S56-D7	NK	69.8	76.0	62.7	35.8	61.1	43.5	23.7	33.6		51.9
95B42	Pioneer	66.9	68.9	69.4	38.7	61.9	50.1	20.5	35.3		52.4
95B43	Pioneer	72.2	83.3	75.0	35.7	66.6	49.0	17.3	33.2		55.4
95B53	Pioneer	70.4	80.9	61.7	34.7	61.9	35.3	23.5	29.4		51.1
Progeny 5001RR (E)	Progeny	60.7	63.9	51.5	34.1	52.6	25.1	9.3	17.2		40.8
Progeny 5250RR (E)	Progeny	70.6	76.7	68.6	37.1	63.2	51.1	16.8	33.9		53.5
Progeny 5440RR (E)	Progeny	59.3	63.2	58.9	35.6	54.3	54.7	11.9	33.3		47.3
Progeny 5580RR (E)	Progeny	54.3	61.6	59.1	30.8	51.4	45.3	16.1	30.7		44.5
Progeny 5415RR	Progeny	61.6	68.4	70.7	32.8	58.4	40.1	21.0	30.6		49.1
Progeny 5660RR	Progeny	62.6	80.6	75.7	35.2	63.6	58.5	19.9	39.2		55.4
SS RT 5302N	Southern States	68.9	71.4	70.5	32.2	60.7	52.5	23.1	37.8		53.1
SS RT540N	Southern States	60.5	70.7	67.0	36.0	58.6	38.6	14.0	26.3		47.8
SS RT 557N	Southern States	70.3	76.5	70.5	33.3	62.6	42.1	21.1	31.6		52.3
TV5486RR	Terral	56.4	38.5	55.1	33.2	45.8	48.3	16.9	32.6		41.4
TV5666RR	Terral	72.7	60.2	62.7	37.1	58.2	37.7	23.2	30.5		48.9
TV52R42	Terral	61.1	66.2	65.9	36.2	57.4	40.3	14.2	27.3		47.3
TV54R11	Terral	63.7	66.6	71.5	33.6	58.9	43.2	20.4	31.8		49.8
TV56R11	Terral	72.5	81.0	75.1	29.8	64.6	56.1	21.3	38.7		56.0
USG 510nRR	USG	64.6	57.8	69.7	32.9	56.3	37.6	16.4	27.0		46.5
USG 540nRR	USG	64.3	72.5	68.4	34.4	59.9	45.0	20.2	32.6		50.8
USG 7522nRR	USG	56.9	65.2	61.8	37.6	55.4	41.5	15.5	28.5		46.4
USG 7547RR	USG	59.9	57.2	64.7	36.1	54.5	45.8	19.2	32.5		47.2
Overall Mean		65.9	70.0	67.3	34.5	59.4	49.6	18.4	34.0		51.0
LSD (.10)		8.7	9.5	3.8	4.3	3.5	8.7	7.0	5.6		3.0
Error degrees of freedom		120	120	120	120	480	120	120	240		720
CV (%)		9.7	10.0	4.2	9.1	8.7	12.9	28.1	17.1		10.6
R^2 (%)		60	72	88	48	93	79	56	93		96

[1](E) = Experimental.

Table 8. Summary of Yields for Maturity Group V Late Roundup Ready for the 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG5701	Asgrow	75.8	80.3	71.1	37.8	66.2	63.3	22.2	42.8		58.4
AG5903	Asgrow	75.8	77.4	75.4	36.5	66.3	71.2	24.0	47.6		60.0
DG 5950RR	Delta Grow	70.8	68.5	63.7	38.0	60.2	52.8	21.7	37.2		52.6
DG 5960RR	Delta Grow	75.5	82.3	79.5	40.2	69.4	67.1	26.6	46.9		61.9
DK 5961RR	Delta King	59.6	72.3	49.6	32.4	53.5	48.9	13.4	31.2		46.0
DK XTJ059RR (E)	Delta King	77.9	79.9	75.5	41.2	68.6	66.2	28.9	47.6		61.6
DP5806RR	DPL	65.9	62.7	49.8	35.5	54.5	57.3	24.9	41.1		49.4
DP5915RR	DPL	78.0	78.4	73.4	32.5	65.6	61.6	23.6	42.6		57.9
DG 3583NRR	Dyna-Gro	76.3	85.2	79.2	41.8	70.6	64.3	27.6	46.0		62.4
ES Marshal	Eagle Seed	52.5	44.6	28.8	29.5	38.9	58.1	14.3	36.2		38.0
ES XVT46RR (E)	Eagle Seed	66.2	67.9	63.0	39.3	59.1	60.6	27.5	44.1		54.1
Garst XR59N24 (E)	Garst	70.3	68.6	63.2	38.3	60.1	56.0	21.5	38.7		53.0
H5887RR	Hartz	77.8	75.8	71.6	37.8	65.8	62.6	16.5	39.6		57.0
HBK R5820	Hornbeck	69.3	58.7	60.4	37.8	56.5	47.4	21.6	34.5		49.2
HBK R6020	Hornbeck	78.2	71.2	62.2	32.2	61.0	62.1	19.2	40.7		54.2
MorSoy RT5900	MorSoy	71.6	65.7	55.8	36.8	57.4	51.0	18.0	34.5		49.8
NK S59-V6RR	NK	64.4	69.3	57.8	35.1	56.7	43.1	22.1	32.6		48.6
95B96	Pioneer	73.9	79.2	73.8	38.8	66.4	50.2	25.1	37.6		56.8
Progeny 5822RR	Progeny	76.2	79.6	80.0	41.2	69.2	66.5	23.4	45.0		61.1
Progeny 5811RR	Progeny	71.4	67.5	64.3	35.9	59.8	52.7	21.3	37.0		52.2
Progeny 5900RR	Progeny	71.2	67.2	63.6	36.1	59.5	50.3	17.7	34.0		51.0
SS RT 5702N	Southern States	74.7	75.3	55.8	36.6	60.6	50.5	17.5	34.0		51.8
SS RT 5999N	Southern States	70.3	67.7	61.4	37.2	59.1	49.9	19.9	34.9		51.1
TV58R11	Terral	68.4	76.3	65.1	36.4	61.5	59.3	29.2	44.3		55.8
TV59R85	Terral	68.3	71.5	67.3	38.1	61.3	51.9	21.5	36.7		53.1
TV59R98	Terral	69.3	63.6	60.8	37.4	57.8	54.0	21.3	37.7		51.1
TVX58R102 (E)	Terral	67.4	73.6	55.4	36.0	58.1	50.0	26.5	38.2		51.5
TVX58R104 (E)	Terral	73.3	72.7	60.8	41.6	62.1	39.8	19.0	29.4		51.2
USG 570nRR	USG	73.7	80.1	74.3	36.7	66.2	60.0	20.3	40.2		57.5
USG 7582nRR (E)	USG	76.9	77.8	75.9	45.7	69.1	64.3	29.8	47.1		61.7
99 VPI-67 (E)	Public	64.8	69.7	51.8	37.1	55.8	47.0	21.7	34.4		48.7
99 VPI-120 (E)	Public	63.0	66.7	50.9	34.0	53.7	37.7	20.8	29.2		45.5
Overall Mean		70.9	71.8	63.1	37.0	60.9	55.5	22.1	38.8		53.6
LSD (.10)		5.8	6.4	4.8	3.8	2.6	6.5	6.9	4.7		2.3
Error degrees of freedom		62	62	64	64	248	62	62	124		372
CV (%)		6.0	6.5	5.6	7.5	6.4	8.5	22.9	12.6		7.9
R^2 (%)		75	82	94	71	96	84	55	95		97

[1](E) = Experimental.

Table 9. Summary of 2-Year Yields for Maturity Group IV for the 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DP4748S	DPL	67.4	61.0	60.3	41.8	57.6	41.4	48.0	44.7		53.3
HBK 4891	Hornbeck	74.1	61.8	67.0	42.3	55.9	46.0	48.1	47.0		52.9
Progeny 4910	Progeny	71.6	56.4	57.6	42.9	57.1	45.9	45.2	45.6		53.3
Overall Mean		71.0	59.7	61.2	42.3	56.9	44.4	47.1	45.7		53.2
LSD (.10)		5.0	12.0	4.6	2.4	4.9	4.5	4.6	3.0		3.4
Error degrees of freedom		8	8	6	8	32	8	8	16		48
CV (%)		6.6	18.7	6.2	5.3	17.5	9.5	9.1	9.3		16.0
R^2 (%)		88	51	95	93	84	93	79	90		87

[1]All are released varieties.

Table 10. Summary of 2-Year Yields for Maturity Group V Early for the 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	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*
Armor 52-C2	Armor	63.9	63.3	66.0	43.2	59.1	41.5	32.8	52.2	42.2		51.8
DP5110S	DPL	65.9	64.7	61.8	47.1	59.9	44.0	37.7	51.4	44.4		53.2
Progeny 5120N	Progeny	61.6	66.2	64.2	44.9	59.2	52.8	34.8	53.1	46.9		53.9
Progeny 5600	Progeny	64.8	62.7	64.7	47.9	60.0	45.6	35.1	55.9	45.5		53.8
Overall Mean		64.0	64.2	64.2	45.7	59.5	46.0	35.1	53.2	44.7		53.2
LSD (.10)		4.2	8.4	2.9	2.1	2.4	6.3	6.0	4.3	3.1		1.9
Error degrees of freedom		12	12	12	12	48	12	12	12	36		84
CV (%)		6.3	12.7	4.4	4.4	8.2	13.3	16.5	7.8	12.1		9.6
R^2 (%)		90	51	92	95	90	77	96	61	94		94

[1]All are released varieties.

Table 11. Summary of 2-Year Yields for Maturity Group V Late for the 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK 5995	Delta King	66.7	70.5	66.1	42.9	61.5	55.5	37.0	46.2		56.4
DP5989	DPL	66.8	66.9	63.0	41.5	59.6	55.2	34.0	44.6		54.6
HBK 5991	Hornbeck	68.0	67.1	68.4	44.3	61.9	46.4	34.7	40.6		54.8
9594	Pioneer	70.9	72.1	73.0	46.3	65.6	50.9	42.7	46.8		59.3
95B97	Pioneer	71.4	70.8	68.1	41.8	63.0	47.9	38.7	43.3		56.4
Bolivar	Public	63.9	59.0	61.9	42.9	56.9	40.5	32.6	36.6		50.1
DT96-6840 (E)	Public	64.0	65.8	57.5	44.2	59.2	53.0	31.7	42.4		53.6
Hutcheson	Public	61.8	67.8	58.3	43.5	57.8	45.7	35.0	40.4		52.0
UARK-5896	Public	58.5	53.3	62.7	46.8	54.0	44.0	39.1	41.5		49.9
Overall Mean		65.8	65.9	64.3	43.8	60.0	48.8	36.7	42.5		54.1
LSD (.10)		3.7	10.4	3.4	3.1	2.9	5.3	5.1	3.6		2.3
Error degrees of freedom		32	32	32	32	128	32	32	64		192
CV (%)		5.8	16.1	5.4	7.2	10.2	11.2	14.5	12.6		10.8
R^2 (%)		92	38	91	86	87	72	96	94		93

[1]E = Experimental.

Table 12. Summary of 2-Year Yields for Maturity Group III Roundup Ready for the 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	MSU	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*
AG3702	Asgrow	55.6	55.6	42.4	61.4	42.4	48.7		50.5
AG3902	Asgrow	50.7	50.7	43.6	55.7	41.7	47.0		47.9
AG3903	Asgrow	45.7	45.7	35.7	58.4	36.0	43.4		43.9
DK 3862RR	Delta King	52.8	52.8	41.8	58.3	35.8	45.3		47.2
DK 3961RR	Delta King	47.7	47.7	48.7	60.4	47.9	52.3		51.2
DK 3964RR	Delta King	53.2	53.2	41.5	68.1	48.6	52.7		52.9
DK 3968RR	Delta King	54.1	54.1	47.6	68.1	48.5	54.7		54.6
Overall Mean		51.4	51.4	44.0	61.5	43.0	49.8		50.2
LSD (.10)		6.5	6.5	5.7	6.2	6.3	3.5		3.0
Error degrees of freedom		24	24	18	24	24	66		90
CV (%)		12.9	12.9	11.7	10.3	14.7	12.1		12.3
R^2 (%)		66	66	77	72	91	90		88

[1]All are released varieties.

Table 13. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 44-R4	Armor	60.8	48.0	57.6	35.6	50.5	54.9	28.0	41.4		47.5
AG4403	Asgrow	70.9	52.3	62.7	41.1	56.8	58.2	36.9	47.5		53.7
AG4702	Asgrow	60.4	56.0	55.2	41.2	53.2	51.5	36.5	44.0		50.1
RC 4444	Croplan Genetics	67.7	56.8	58.7	41.2	56.1	50.4	36.2	43.3		51.8
DK 4461RR	Delta King	63.2	45.9	58.8	36.6	51.2	52.6	33.8	43.2		48.5
DP4344RR	DPL	63.2	49.8	50.4	37.5	50.2	46.7	35.1	40.9		47.1
DP4690RR	DPL	69.3	57.7	52.9	41.1	55.3	50.1	37.4	43.8		51.4
DG 3443NRR	Dyna-Gro	69.3	50.0	57.5	41.7	54.6	53.0	35.1	44.1		51.1
DG 3463NRR	Dyna-Gro	57.8	54.3	55.6	41.0	52.2	46.0	34.3	40.1		48.2
Garst 4512RR/n	Garst	63.2	52.3	56.2	36.7	52.1	51.7	31.4	41.5		48.6
H4554RR	Hartz	59.0	47.2	57.2	33.9	49.3	46.5	28.5	37.5		45.4
SS RT 446N	Southern States	59.8	52.3	56.8	37.0	51.5	43.7	34.6	39.1		47.4
TV 4589RR	Terral	61.6	54.4	56.1	35.9	52.0	41.8	32.7	37.2		47.1
Overall Mean		63.6	52.1	56.6	38.5	52.7	49.8	33.9	41.8		49.1
LSD (.10)		6.7	7.2	5.2	4.8	2.6	5.4	4.6	3.5		2.8
Error degrees of freedom		48	48	48	48	192	48	48	96		318
CV (%)		6.0	14.3	9.5	12.8	10.5	11.1	14.0	12.3		14.8
R^2 (%)		88	55	73	54	87	88	77	90		80

[1]All are released varieties.

Table 14. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG4702	Asgrow	58.7	55.0	54.8	40.5	52.3	44.0	45.9	44.9		49.8
AG4902	Asgrow	66.0	64.2	54.5	42.6	56.8	50.3	50.1	50.2		54.6
RC 4995	Croplan Genetics	65.3	64.3	59.1	37.6	56.6	52.2	48.0	50.1		54.4
DG 4950RR	Delta Grow	69.3	65.1	55.5	38.1	57.0	46.5	52.5	49.5		54.5
DK 4762RR	Delta King	58.7	52.4	50.4	41.9	50.9	40.2	43.5	41.8		47.8
DK 4763RR	Delta King	63.1	61.5	53.7	38.4	54.2	48.4	44.3	46.3		51.5
DK 4868RR	Delta King	70.2	64.7	61.0	39.9	58.9	49.8	50.6	50.2		56.0
DK 4965RR	Delta King	62.2	55.9	50.1	40.9	52.3	42.4	42.5	42.4		49.0
Dixie 4803	Dixie	66.1	62.4	56.3	36.6	55.3	57.2	47.1	52.1		54.3
SG498RR	DPL	65.5	72.6	58.5	40.5	59.3	45.6	49.2	47.4		55.3
DG 3484nRR	Dyna-Gro	64.3	54.3	53.8	41.4	53.5	36.7	41.8	39.3		48.7
ES Prairie	Eagle Seed	56.9	52.3	49.7	35.5	48.6	39.7	46.4	43.0		46.8
Genesis A484RR	Genesis	65.1	54.8	55.5	44.0	54.9	37.7	45.8	41.8		50.5
HBK R4920	Hornbeck	68.6	65.8	55.6	39.3	57.3	50.6	50.1	50.3		55.0
MorSoy RT4809	MorSoy	66.7	63.5	58.9	37.7	56.7	46.0	48.0	47.0		53.5
9492	Pioneer	63.0	62.6	59.6	43.9	57.3	47.2	47.4	47.3		53.9
Progeny 4858RR	Progeny	67.6	59.5	56.5	44.5	57.0	42.8	43.3	43.0		52.4
SS RT 4980	Southern States	68.7	64.1	53.3	36.7	55.7	50.0	51.8	50.9		54.1
TV4886RR	Terral	60.7	57.5	51.3	41.9	52.8	37.2	44.6	40.9		48.9
TV4890RR	Terral	57.1	56.0	49.8	35.6	49.6	39.6	43.7	41.7		47.0
Overall Mean		64.2	60.4	54.9	39.9	54.8	45.2	46.8	46.0		51.9
LSD (.10)		3.6	4.8	4.3	4.9	2.2	5.7	4.5	3.6		1.9
Error degrees of freedom		76	76	76	76	304	76	76	152		456
CV (%)		5.9	8.2	8.2	12.9	8.4	13.2	9.9	11.6		9.4
R^2 (%)		91	78	78	62	91	84	63	79		90

[1]All are released varieties.

Table 15. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 53-K3	Armor	52.6	62.4	55.7	35.4	51.5	43.2	38.9	41.0		48.0
Armor 54-Z4	Armor	61.6	65.3	59.0	38.8	56.2	46.6	42.2	44.4		52.2
AG5501	Asgrow	61.6	73.3	65.2	39.8	60.0	49.4	45.4	47.4		55.8
AG5603	Asgrow	59.0	60.2	57.3	33.9	52.6	45.8	35.1	40.5		48.5
AG5701	Asgrow	65.1	74.8	63.9	39.8	60.9	55.6	38.5	47.1		56.3
RC 5252	Croplan Genetics	58.8	63.9	61.8	34.8	54.8	51.2	43.1	47.2		52.3
DG 5250RR	Delta Grow	55.3	59.1	59.4	37.1	52.7	49.5	44.1	46.8		50.7
DG 5450RR	Delta Grow	58.9	57.8	59.5	36.2	53.1	46.7	37.9	42.3		49.5
DG 5630RR	Delta Grow	68.3	72.6	62.7	35.5	59.8	49.5	40.0	44.7		54.8
DK 5366RR	Delta King	70.6	81.3	66.6	40.6	64.8	61.0	40.2	50.6		60.0
DK 5465RR	Delta King	60.1	65.9	61.6	37.4	56.2	43.3	43.0	43.2		51.9
DK 5661RR	Delta King	67.9	71.1	64.0	39.4	60.6	51.0	42.1	46.5		55.9
DK 5668RR	Delta King	63.8	74.8	60.6	38.0	59.3	56.8	37.9	47.3		55.3
DP5414RR	DPL	62.8	68.0	57.7	37.7	56.6	48.9	41.8	45.4		52.8
DP5644RR	DPL	61.0	72.9	58.6	36.1	57.1	56.0	46.2	51.1		55.1
DG 3535NRR	Dyna-Gro	67.9	74.7	64.1	36.4	60.8	54.9	36.0	45.4		55.7
DG 3562NRR	Dyna-Gro	66.1	71.7	59.9	37.9	58.9	61.2	34.0	47.6		55.1
5512 RR/N	Garst	57.0	64.8	60.7	37.4	55.0	44.4	38.2	41.3		50.4
HBK R5620	Hornbeck	68.2	77.2	65.9	37.0	62.1	57.6	36.5	47.1		57.1
95B53	Pioneer	64.4	76.4	61.5	38.7	60.3	35.8	41.7	38.7		53.1
Progeny 5415RR	Progeny	59.8	64.9	63.7	36.5	56.2	42.2	40.2	41.2		51.2
Progeny 5660RR	Progeny	62.2	75.0	63.8	35.7	59.2	54.3	37.4	45.8		54.7
SS RT 557N	Southern States	61.6	74.0	63.8	39.8	59.8	43.3	35.2	39.2		52.9
TV5486RR	Terral	54.2	45.0	54.6	30.2	46.0	44.0	28.0	36.0		42.7
TV5666RR	Terral	61.6	59.0	57.8	41.2	54.9	39.1	34.6	36.9		48.9
TV52R42	Terral	56.3	61.3	58.7	37.2	53.4	41.4	33.3	37.3		48.0
TV54R11	Terral	58.7	65.4	63.7	35.9	55.9	45.3	39.7	42.5		51.5
TV56R11	Terral	67.3	74.5	65.2	33.0	60.0	51.9	37.3	44.6		54.9
USG 540nRR	USG	59.7	68.9	60.6	37.7	56.7	48.9	39.8	44.4		52.6
USG 7547RR	USG	53.5	62.1	61.5	41.0	54.5	44.0	36.4	40.2		49.7
Overall Mean		61.5	67.9	61.3	37.2	57.0	48.7	38.8	43.8		52.6
LSD (.10)		5.3	6.2	3.9	3.1	2.4	5.7	5.7	4.0		2.1
Error degrees of freedom		116	116	116	116	464	116	116	232		696
CV (%)		9.0	9.5	6.6	8.7	8.7	12.3	15.2	13.6		10.1
R^2 (%)		76	75	88	69	92	77	94	92		93

[1]All are released varieties.

Table 16. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG5701	Asgrow	67.5	74.2	63.9	39.9	61.4	55.5	39.7	47.6		56.8
DG 5950RR	Delta Grow	61.9	61.1	54.7	36.9	56.7	48.4	38.2	43.3		50.2
DK 5961RR	Delta King	53.6	65.5	45.1	32.2	49.1	47.1	34.1	40.6		46.3
DP5806RR	DPL	62.2	57.9	47.5	37.0	51.2	53.5	38.6	46.0		49.5
DP5915RR	DPL	63.7	75.2	64.2	38.4	60.4	60.9	39.5	50.2		57.0
ES Marshal	Eagle Seed	51.8	40.3	33.3	30.9	39.1	47.8	20.8	34.3		37.5
HBK R5820	Hornbeck	59.5	59.1	55.7	38.5	53.2	44.2	35.1	39.7		48.7
HBK R6020	Hornbeck	66.6	65.9	53.7	35.2	55.3	54.5	32.1	43.3		51.3
BK S59-V6RR	NK	61.9	63.4	54.5	39.8	54.9	42.1	34.6	38.3		49.4
95B96	Pioneer	70.4	77.3	66.6	41.8	64.0	48.8	38.4	43.6		57.2
Progeny 5900RR	Progeny	62.9	63.0	56.9	38.7	55.3	45.9	35.8	40.9		50.5
SS RT 5999N	Southern States	62.3	66.2	57.9	42.3	57.2	46.2	36.4	41.3		51.9
TV58R11	Terral	64.4	69.8	60.5	39.8	58.6	56.2	37.5	46.8		54.7
TV59R85	Terral	61.2	66.1	58.8	37.2	55.8	46.8	33.4	40.1		50.6
TV59R98	Terral	64.2	58.3	54.8	40.8	54.5	46.4	35.0	40.7		49.9
USG 570nRR	USG	68.1	73.3	63.2	39.2	61.0	55.5	35.0	45.2		55.7
Overall Mean		62.6	64.8	55.7	38.0	55.3	50.0	35.3	42.6		51.1
LSD (.10)		4.8	4.0	3.2	2.7	1.9	4.8	6.9	4.1		1.8
Error degrees of freedom		60	60	60	60	240	60	60	120		360
CV (%)		8.0	6.4	5.9	7.3	7.0	9.9	20.2	14.4		9.3
R^2 (%)		84	90	94	81	95	82	88	90		94

[1]All are released varieties.

Table 17. Summary of 3-Year Yields for Maturity Group IV for the 2000, 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DP4748S	DPL	67.8	62.9	63.2	34.6	57.1	37.2	47.6	42.4		52.2
HBK 4891	Hornbeck	72.4	60.9	67.1	34.3	55.1	41.6	46.3	43.9		51.3
Progeny 4910	Progeny	73.2	61.8	64.1	34.4	58.4	38.7	44.3	41.5		52.8
Overall Mean		71.1	61.8	64.8	34.4	56.8	39.2	46.1	42.6		52.1
LSD (.10)		3.9	8.7	3.2	2.1	3.4	5.0	3.8	3.0		2.3
Error degrees of freedom		12	12	10	12	48	12	12	24		72
CV (%)		6.5	16.8	5.5	7.2	15.3	15.3	9.9	12.5		14.9
R^2 (%)		87	60	95	98	91	89	76	88		92

[1]All are released varieties.

Table 18. Summary of 3-Year Yields for Maturity Group V Early for the 2000, 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Delta avg.	MSU	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Progeny 5120N	Progeny	61.5	62.2	51.3	58.3	46.8	39.5	29.6	38.3		48.3
Progeny 5600	Progeny	65.4	65.9	53.3	61.5	49.8	34.6	28.7	38.0		49.8
Overall Mean		63.5	64.1	52.3	59.9	48.3	37.0	29.1	38.2		49.1
LSD (.10)		3.5	7.9	3.2	2.7	3.6	4.7	7.2	2.8		4.9
Error degrees of freedom		6	6	6	18	6	6	6	18		60
CV (%)		6.0	13.4	6.6	9.6	8.2	13.9	27.0	15.5		31.0
R^2 (%)		93	70	99	94	94	98	94	97		66

[1]All are released varieties.

Table 19. Summary of 3-Year Yields for Maturity Group V Late for the 2000, 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Delta avg.	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK 5995	Delta King	67.4	66.3	65.7	66.5	44.4	44.4		61.0
DP5989	DPL	65.2	61.9	63.9	63.7	38.8	38.8		57.4
HBK 5991	Hornbeck	69.6	66.7	67.7	68.0	36.2	36.2		60.1
9594	Pioneer	71.1	70.6	73.3	71.7	39.1	39.1		63.5
Bolivar	Public	62.3	57.4	62.6	60.8	33.9	33.9		54.1
DT96-6840 (E)	Public	64.6	63.3	63.7	63.8	44.6	44.6		59.0
Hutcheson	Public	59.9	61.0	55.2	58.7	35.6	35.6		52.9
Overall Mean		65.7	63.9	64.6	64.7	39.0	39.0		58.3
LSD (.10)		3.8	7.3	3.5	2.9	4.0	4.0		2.4
Error degrees of freedom		36	36	36	108	36	36		144
CV (%)		7.2	14.3	6.7	10.0	12.9	12.9		10.5
R^2 (%)		85	52	86	73	95	95		92

[1](E) = Experimental.

Table 20. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2000, 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG4403	Asgrow	71.5	52.8	64.4	32.8	55.4		55.4
AG4702	Asgrow	62.3	57.7	57.1	32.7	52.5		52.5
DP4344RR	DPL	63.4	46.1	50.6	30.4	47.6		47.6
DP4690RR	DPL	71.7	58.3	57.3	31.3	54.6		54.6
DG 3463NRR	Dyna-Gro	57.9	52.0	56.6	33.7	50.1		50.1
SS RT 446N	Southern States	61.3	52.5	58.8	31.2	51.0		51.0
TV 4589RR	Terral	61.2	53.1	56.9	30.0	50.3		50.3
Overall Mean		64.1	53.2	57.4	31.7	51.6		51.6
LSD (.10)		3.4	4.8	4.5	3.1	2.0		2.0
Error degrees of freedom		36	36	36	36	144		144
CV (%)		6.7	11.4	9.9	12.4	9.8		9.8
R^2 (%)		87	75	75	93	94		94

[1]All are released varieties.

Table 21. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2000, 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG4702	Asgrow	60.3	54.6	55.5	33.6	51.0	37.2	45.7	41.5		47.8
AG4902	Asgrow	65.4	61.5	54.0	34.0	53.7	42.5	48.8	45.6		51.0
DK 4762RR	Delta King	58.2	53.5	51.1	32.8	48.9	34.1	42.6	38.3		45.4
DK 4868RR	Delta King	72.9	67.2	63.1	32.2	58.9	40.2	48.4	44.3		54.0
DK 4965RR	Delta King	64.0	56.7	51.8	31.7	51.1	35.2	44.5	39.9		47.3
Dixie 4803	Dixie	68.3	62.7	57.9	28.8	54.4	46.3	43.4	44.8		51.2
SG498RR	DPL	67.5	70.7	60.1	31.2	57.4	36.0	43.6	39.8		51.5
DG 3484nRR	Dyna-Gro	66.4	56.7	54.7	32.5	52.6	34.3	42.2	38.3		47.8
ES Prairie	Eagle Seed	58.1	52.4	51.0	24.6	56.5	31.3	42.5	36.9		43.3
Genesis A484RR	Genesis	65.2	53.6	56.7	33.2	52.2	33.9	42.8	38.4		47.6
HBK R4920	Hornbeck	69.9	61.2	57.7	30.4	54.8	42.0	45.2	43.6		51.1
MorSoy RT4809	MorSoy	73.0	66.2	63.2	29.7	58.0	39.3	47.3	43.3		53.1
9492	Pioneer	63.0	60.7	59.3	35.6	54.6	39.7	45.5	42.6		50.6
SS RT 4980	Southern States	70.5	62.6	56.6	28.7	54.6	40.7	47.2	44.0		51.1
TV4886RR	Terral	63.0	58.1	54.2	32.5	52.0	33.0	40.7	36.8		46.9
TV4890RR	Terral	59.9	55.5	52.3	28.9	49.1	33.5	42.7	38.1		45.5
Overall Mean		65.4	59.6	56.2	31.3	53.1	37.5	44.6	41.0		49.1
LSD (.10)		3.0	4.5	3.0	3.1	1.7	4.5	4.1	3.0		1.5
Error degrees of freedom		90	90	90	90	360	90	90	180		540
CV (%)		5.8	9.6	6.8	12.8	8.3	15.3	11.7	13.4		9.8
R^2 (%)		91	74	83	95	96	90	66	87		94

[1]All are released varieties.

Table 22. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2000, 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG5501	Asgrow	63.0	69.2	62.3	64.8	37.4	35.3	36.4		53.4
AG5701	Asgrow	67.2	72.4	64.4	68.0	41.3	30.9	36.1		55.2
DG 5630RR	Delta Grow	69.8	69.8	63.2	67.6	38.8	31.4	35.1		54.6
DK 5366RR	Delta King	69.9	77.1	68.3	71.7	44.3	31.9	38.1		58.3
DK 5465RR	Delta King	63.0	59.4	61.4	61.3	37.9	35.0	36.5		51.3
DK 5661RR	Delta King	67.4	68.0	64.6	66.7	37.4	35.3	36.3		54.6
DK 5668RR	Delta King	64.9	71.7	64.5	67.0	45.4	30.5	37.9		55.4
DP 5414RR	DPL	64.3	63.3	60.3	62.6	37.0	33.7	35.3		51.7
DP 5644RR	DPL	62.0	68.5	61.2	63.9	42.1	36.1	39.1		54.0
DG 3535NRR	Dyna-Gro	68.8	71.3	65.0	68.4	42.2	30.9	36.5		55.7
DG 3562NRR	Dyna-Gro	67.0	69.2	63.6	66.6	44.1	29.4	36.8		54.7
95B53	Pioneer	65.0	70.9	58.9	64.9	32.0	34.2	33.1		52.2
SS RT 557N	Southern States	59.3	66.3	63.1	62.9	33.1	29.6	31.4		50.3
TV5486RR	Terral	55.5	44.5	54.9	51.6	32.7	22.7	27.7		42.0
TV5666RR	Terral	59.0	56.6	58.2	57.9	29.0	28.0	28.5		46.1
TV52R42	Terral	58.1	58.8	59.9	58.9	32.6	27.1	29.8		47.3
USG 540nRR	USG	60.7	64.8	62.6	62.7	39.6	34.2	36.9		52.4
USG 7547RR	USG	52.3	55.0	56.6	54.6	35.7	29.0	32.4		45.7
Overall Mean		63.2	65.4	61.8	63.5	37.9	31.4	34.7		51.9
LSD (.10)		3.9	5.4	4.0	2.6	4.6	4.6	3.2		2.0
Error degrees of freedom		102	102	102	306	102	102	204		510
CV (%)		7.8	10.6	8.3	9.1	15.5	18.7	17.0		11.2
R^2 (%)		80	79	80	80	94	94	94		95

[1]All are released varieties.

Table 23. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2000, 2001 and 2002 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG5701	Asgrow	67.7	69.6	67.0	68.1	42.3	42.3		58.6
DG 5950RR	Delta Grow	62.0	59.6	56.2	59.3	36.8	36.8		51.8
DK 5961RR	Delta King	56.8	57.9	49.8	54.8	36.5	36.5		47.6
DP5806RR	DPL	62.7	55.7	53.3	57.3	39.6	39.6		50.8
DP5915RR	DPL	61.7	68.3	64.2	64.7	46.9	46.9		57.1
ES Marshal	Eagle Seed	51.7	41.8	41.5	45.0	37.4	37.4		40.2
HBK R6020	Hornbeck	67.0	63.0	57.2	62.4	43.2	43.2		54.2
NK S59-V6RR	NK	63.8	64.4	59.8	62.7	32.0	32.0		53.1
Progeny 5900RR	Progeny	63.7	61.4	59.8	61.6	37.5	37.5		53.2
SS RT 5999N	Southern States	62.7	64.4	61.8	63.0	34.0	34.0		53.5
TV59R85	Terral	61.4	61.0	61.5	61.3	36.7	36.7		51.9
Overall Mean		61.9	60.6	57.5	60.0	38.5	38.5		52.0
LSD (.10)		3.4	3.1	2.9	1.8	4.2	4.2		1.7
Error degrees of freedom		60	60	60	180	60	60		300
CV (%)		6.9	6.6	6.4	6.6	13.8	13.8		9.6
R^2 (%)		86	91	93	91	95	95		95

[1]All are released varieties.

Location 1. MAFES Delta Branch, Stoneville

Location Summary

Nonirrigated trials were planted into warm soil with good moisture. Emergence was rapid. Irrigated trials were planted into cooler soils with adequate moisture. May was unusually cool and dry. Consequently, vegetative growth was slow in all trials. By late May, moisture was extremely limited. Irrigation was initiated June 6, which is earlier than normal. Weed resurgence was especially a problem in early-maturing nonirrigated soybean that suffered from the late-May drought and never fully recovered to form a full soybean canopy. Harvest was hampered by wet field conditions. Only MG III and early MG IV tests were harvested in a timely manner in the irrigated trial. Harvest of late MG IV and all MG V trials was delayed by wet field conditions.

Soil type . . . . . **Sharkey clay**
Soil pH **6.9**
Soil fertility . . . . . **P=H+; K=H**
Fertilizer added . . . . . **None**

Herbicide application . . . . **Burndown — Preplant – Roundup Ultra Max @ 26 oz/A**
At Planting – Gramoxone Extra @ 2.5 pt/A
Preemergence — Conventional – Squadron @ 3 pt/A
Postemergence — Conventional – Typhoon @ 1.6 qt/A (May 24)
Storm @ 1.5 pt/A + COC 1% v/v
+ Select @ 8 oz/A (June 17 - Irrigated test)
Roundup Ready – Roundup Ultra Max @ 26 oz/A
(May 15 & May 28 - Nonirrigated tests)
Roundup Ultra Max @ 26 oz/A
(May 24, June 5 & June 17 - Irrigated tests)
Touchdown IQ @ 1 qt/A (July 10 - nonirrigated test)

Irrigation . . . . . **June 6, June 21, July 19, August 8, September 5 (Late Group IV & V tests only)**
Cultivation . . . . . **Cultivated middles out - June 6**
Planting date . . . . . **April 18 - Group III Nonirrigated & Group IV & V Nonirrigated**
May 2 — Group III Irrigated & Group IV, V & VI Irrigated
Harvest date . . . . . **August 27 — Group III RR Nonirrigated**
August 28 — Stoneville Group IV Nonirrigated Conventional
September 6 — Group III RR Irrigated, Group IV Irrigated Conventional, Group IV E RR Irrigated, Group IV E & L RR Nonirrigated
September 23 — Group V E & L Nonirrigated Conventional & Roundup Ready
October 18 — Group IV L RR Irrigated, Group V E & L Conventional & Roundup Ready

Table 24. Maturity Group IV Soybeans Planted May 2, 2002, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DT98-9102 (E)	Public	—	—	71.6	09/13	21	1
DT98-7278 (E)	Public	—	—	71.0	09/13	19	1
Progeny 4910	Progeny	77.1	45.0	70.1	09/13	30	2
DP4748S	DPL	69.0	50.7	69.8	09/13	36	2
HBK 4891	Hornbeck	67.3	65.6	68.8	09/10	31	1
HBK 4944CX	Hornbeck	—	—	59.0	09/10	35	2
Overall Mean		66.8	47.6	68.4			
LSD (.10)		6.8	5.6	6.2			
Error degrees of freedom		—	16	10			
CV (%)		—	6.7	6.2			
R^2 (%)		—	84	65			

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

Rainfall Summary

	Inches
April	3.26
May	2.82
June	4.15
July	3.29
August	2.77
September	7.73
October	7.05
Total	31.07

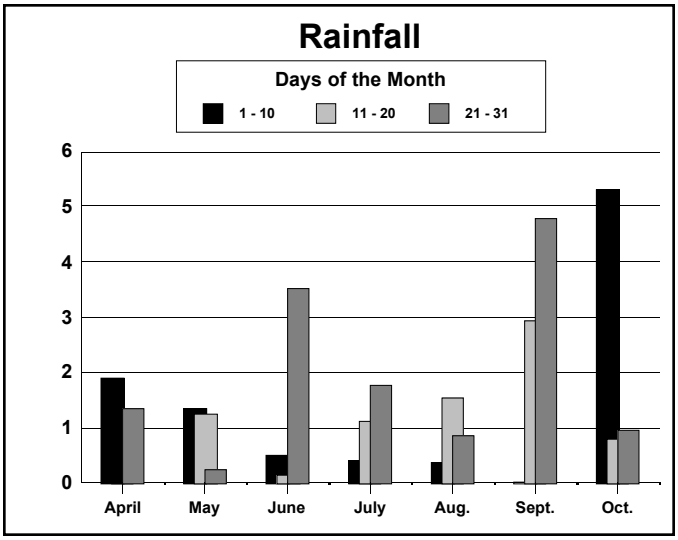

Table 25. Maturity Group IV Soybeans Planted April 18, 2002, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DT98-9102 (E)	Public	—	—	40.9	08/30	19	1
Progeny 4910	Progeny	17.3	47.0	38.8	08/31	30	1
HBK 4944CX	Hornbeck	—	—	37.0	08/31	25	1
HBK 4891	Hornbeck	18.3	48.2	36.5	09/01	25	2
DP4748S	DPL	20.2	47.1	36.3	09/06	28	2
DT98-7278 (E)	Public	—	—	34.7	08/30	17	1
Overall Mean		14.6	45.6	37.4			
LSD (.10)		4.6	3.4	3.0			
Error degrees of freedom		—	22	10			
CV (%)		—	5.3	5.5			
R^2 (%)		—	79	82			

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

Table 26. Maturity Group V Early Soybeans Planted May 2, 2002, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
A5427	Asgrow	—	—	73.9	09/13	22	1
DP5110S	DPL	—	50.2	73.5	09/13	28	3
DT97-6308 (E)	Public	—	—	71.5	09/13	20	1
Armor 52-C2	Armor	—	62.8	69.2	09/13	22	1
Progeny 5120N	Progeny	55.2	59.9	68.5	09/13	26	2
Progeny 5600	Progeny	65.6	61.8	67.5	09/13	23	1
Overall Mean		53.1	57.9	70.7			
LSD (.10)		9.0	4.8	3.1			
Error degrees of freedom		58	22	10			
CV (%)		12.4	5.9	3.0			
R^2 (%)		81	81	75			

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

Table 27. Maturity Group V Late Soybeans Planted May 2, 2002, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
9594	Pioneer	73.7	65.7	80.4	09/19	28	1
DK 5995	Delta King	64.8	56.0	76.2	09/21	22	1
95B97	Pioneer	—	60.9	75.2	09/23	22	1
HBK 5991	Hornbeck	66.4	64.8	72.0	09/20	26	1
DT96-6840 (E)	Public	65.6	54.1	71.3	09/18	22	1
DP5989	DPL	65.7	56.8	69.2	09/21	28	2
DK 5850	Delta King	—	—	67.4	09/18	21	1
UARK-5896	Public	—	49.9	65.1	09/23	25	1
Bolivar	Public	64.1	61.2	62.5	09/18	26	2
Hutcheson	Public	49.1	54.5	62.0	09/18	24	1
Overall Mean		59.0	56.6	70.1			
LSD (.10)		7.6	4.9	5.6			
Error degrees of freedom		66	30	18			
CV (%)		10.7	6.3	5.6			
R^2 (%)		95	73	80			

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

Table 28. Maturity Group V Early Soybeans Planted April 18, 2002, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5110S	DPL	—	51.5	42.7	08/31	25	1
Progeny 5600	Progeny	—	53.3	42.5	09/01	22	1
DT97-6308 (E)	Public	—	—	41.9	09/01	19	1
A5427	Asgrow	—	—	41.1	09/15	17	1
Progeny 5120N	Progeny	—	50.7	39.0	09/02	25	1
Armor 52-C2	Armor	—	48.6	37.8	09/01	20	1
Overall Mean		—	49.1	40.8			
LSD (.10)		—	5.4	2.5			
Error degrees of freedom		—	22	10			
CV (%)		—	7.9	4.1			
R^2 (%)		—	75	86			

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

Table 29. Maturity Group V Late Soybeans Planted April 18, 2002, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
UARK-5896	Public	—	49.6	44.0	09/10	23	1
DK 5850	Delta King	—	—	41.5	09/10	21	1
HBK 5991	Hornbeck	—	48.7	39.8	09/09	22	1
DT96-6840 (E)	Public	—	49.2	39.2	09/09	23	1
9594	Pioneer	—	53.7	39.0	09/10	23	1
DK 5995	Delta King	—	47.1	38.6	09/09	22	1
Hutcheson	Public	—	48.6	38.4	09/10	24	1
95B97	Pioneer	—	46.8	36.7	09/09	20	1
Bolivar	Public	—	50.1	35.6	09/10	30	1
DP5989	DPL	—	47.7	35.4	09/10	32	1
Overall Mean		—	48.1	38.8			
LSD (.10)		—	5.1	4.0			
Error degrees of freedom		—	30	18			
CV (%)		—	7.6	7.3			
R^2 (%)		—	57	71			

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

Table 30. Roundup Ready Maturity Group III Soybeans Planted May 2, 2002, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DPX3819RR (E)	DPL	—	—	76.7	08/26	41	2
Armor 39-E9	Armor	—	—	74.2	08/29	26	1
DK 3964RR	Delta King	—	63.7	72.5	08/26	41	3
DPX3940RR (E)	DPL	—	—	72.3	08/24	29	1
DK 3968RR	Delta King	—	64.1	72.1	08/28	28	1
HBK R3980	Hornbeck	—	—	71.3	08/26	32	1
HBK XR390-02 (E)	Hornbeck	—	—	70.8	08/26	26	1
DK 3961RR	Delta King	—	50.4	70.4	08/26	35	1
SS RT 3702	Southern States	—	—	69.8	08/26	31	2
MorSoy RT3881	MorSoy	—	—	69.4	08/24	32	2
NK S39-Q4	NK	—	—	69.1	08/28	29	1
DPX3761RR (E)	DPL	—	—	67.9	08/26	32	2
DK 3862RR	Delta King	—	49.3	67.1	08/26	30	1
H3090RR	Hartz	—	—	66.7	08/26	26	1
DK XTJ033RR (E)	Delta King	—	—	66.7	08/24	30	1
SS RT 3975	Southern States	—	—	66.2	08/30	31	1
SS RT 3502	Southern States	—	—	65.8	08/26	30	2
AG3903	Asgrow	—	54.5	62.3	08/28	27	1
AG3702	Asgrow	—	61.5	61.2	08/26	28	1
AG3902	Asgrow	—	51.3	60.0	08/29	28	1
TVX39R201 (E)	Terral	—	—	59.9	08/30	29	1
Overall Mean		—	55.2	68.2			
LSD (.10)		—	8.1	7.7			
Error degrees of freedom		—	20	40			
CV (%)		—	10.5	8.2			
R^2 (%)		—	65	52			

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

Table 31. Roundup Ready Maturity Group III Soybeans Planted April 18, 2002, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
NK S39-Q4	NK	—	—	39.5	08/17	21	1
DPX3940RR (E)	DPL	—	—	39.3	08/18	19	1
DK 3964RR	Delta King	—	59.0	38.3	08/14	23	1
H3090RR	Hartz	—	—	37.4	08/16	20	1
DK 3961RR	Delta King	—	58.8	37.0	08/17	24	1
SS RT 3702	Southern States	—	—	35.1	08/24	20	1
DK 3968RR	Delta King	—	62.0	34.9	08/20	19	1
Armor 39-E9	Armor	—	—	34.0	08/24	18	1
MorSoy RT3881	MorSoy	—	—	33.1	08/15	20	1
TVX39R201 (E)	Terral	—	—	32.8	08/20	23	1
DPX3761RR (E)	DPL	—	—	32.4	08/17	21	1
AG3902	Asgrow	—	51.6	31.8	08/23	18	1
DPX3819RR (E)	DPL	—	—	31.1	08/19	24	1
HBK R3980	Hornbeck	—	—	30.2	08/19	20	1
SS RT 3975	Southern States	—	—	26.6	08/20	23	1
HBK XR390-02 (E)	Hornbeck	—	—	24.9	08/22	17	1
AG3702	Asgrow	—	61.2	23.7	08/26	16	1
DK XTJ033RR (E)	Delta King	—	—	22.3	08/15	19	1
SS RT 3502	Southern States	—	—	22.3	08/20	19	1
DK 3862RR	Delta King	—	51.5	20.1	08/18	22	1
AG3903	Asgrow	—	52.0	20.0	08/26	17	1
Overall Mean		—	56.6	30.8			
LSD (.10)		—	8.7	7.2			
Error degrees of freedom		—	20	40			
CV (%)		—	10.9	17.1			
R^2 (%)		—	52	72			

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

Table 32. Roundup Ready Maturity Group IV Early Soybeans Planted May 2, 2002, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4603	Asgrow	—	—	69.2	09/02	32	1
DK XTJ044RR (E)	Delta King	—	—	69.2	09/01	34	1
Genesis C444RR	Genesis	—	—	69.1	09/02	32	1
Armor 44R5	Armor	—	—	68.6	09/03	29	1
RC 4222	Croplan Genetics	—	—	68.1	09/04	25	1
AG4403	Asgrow	67.7	57.4	68.1	09/02	35	1
USG 7440nRR	USG	—	—	67.8	09/02	36	1
AG4201	Asgrow	—	—	67.7	09/01	31	1
Armor 44-R4	Armor	—	49.0	66.2	09/02	35	1
94B13	Pioneer	—	—	66.1	09/02	32	1
Progeny 4401RR (E)	Progeny	—	—	66.0	09/02	34	1
H4454RR	Hartz	—	52.2	66.0	08/31	37	1
MorSoy RT4480	MorSoy	—	—	65.8	08/31	33	1
TV4589RR	Terral	58.6	46.9	65.3	09/02	31	1
DK XTJ041RR (E)	Delta King	—	—	65.3	09/03	27	1
DPX4527RR (E)	DPL	—	—	65.2	09/01	31	1
RC 4444	Croplan Genetics	—	52.4	64.9	09/02	34	1
DPX4431RR (E)	DPL	—	—	64.1	09/01	33	1
DK XTJ046RR (E)	Delta King	—	—	63.3	09/01	27	1
SS RT 4502N	Southern States	—	—	63.3	09/01	36	1
DPX4446RR (E)	DPL	—	—	63.3	08/31	35	1
SS RT446N	Southern States	62.7	50.5	63.1	09/01	34	1
DK XTJ301RR (E)	Delta King	—	—	63.0	09/03	31	1
RC 4432	Croplan Genetics	—	—	62.5	08/31	33	1
4512RR/N	Garst	—	50.1	62.2	09/02	32	1
H4554RR	Hartz	—	—	62.2	09/01	31	1
DK 4461RR	Delta King	—	55.7	61.9	09/02	34	1
NK S40-R9	NK	—	—	61.6	09/05	32	1
DG 3443NRR	Dyna-Gro	—	53.9	61.1	09/02	32	1
AG4702	Asgrow	60.9	49.8	60.6	09/02	36	1
HBK R4622	Hornbeck	—	—	60.1	09/06	25	1
DG 3463NRR	Dyna-Gro	58.6	51.3	59.9	08/31	39	1
DP4344RR	DPL	50.9	44.6	56.2	09/01	41	1
Progeny 4303RR (E)	Progeny	—	—	55.1	09/05	35	1
DK XTJ040RR (E)	Delta King	—	—	53.9	09/02	32	1
DP 4690RR	DPL	66.2	56.8	49.0	09/02	38	1
Overall Mean		59.9	49.4	63.5			
LSD (.10)		4.8	5.1	6.4			
Error degrees of freedom		28	60	70			
CV (%)		5.7	7.6	7.4			
R^2 (%)		78	75	60			

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

Table 33. Roundup Ready Maturity Group IV Late Soybeans Planted May 2, 2002, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DK4868RR	Delta King	57.4	51.8	70.1	09/03	33	1
DK XTJ302RR (E)	Delta King	—	—	69.9	09/14	33	1
HBK R4820	Hornbeck	—	—	69.2	09/14	32	1
RC 4992 (E)	Croplan Genetics	—	—	68.9	09/13	41	2
FFR 4922	FFR	—	—	68.4	09/13	38	2
NK X248R (E)	NK	—	—	68.0	09/10	35	2
DPX4933RR (E)	DPL	—	—	67.4	09/13	33	2
MorSoy RT4809	MorSoy	71.7	50.5	67.3	09/14	36	1
9492	Pioneer	58.8	52.8	66.4	09/03	33	1
SG498RR	DPL	63.3	51.5	65.5	09/10	34	1
SS RT517N	Southern States	—	—	64.7	09/13	24	1
SS-RT 5001N	Southern States	—	—	64.6	09/16	31	2
RC4995	Croplan Genetics	—	53.5	64.6	09/10	40	2
Progeny 4932RR (E)	Progeny	—	—	63.9	09/10	38	2
DK XTJ048RR (E)	Delta King	—	—	63.8	09/10	29	1
SS RT 4902	Southern States	—	—	63.7	09/13	40	2
Armor 49-D9 (E)	Armor	—	—	63.5	09/03	31	1
4888RR	AgriPro	—	—	63.5	09/10	37	2
4803RR	Dixie	61.3	49.4	63.1	09/14	35	1
94B73	Pioneer	—	—	62.7	09/13	33	1
USG 7499nRR	USG	—	—	62.6	09/13	33	1
MorSoy RT4731	MorSoy	—	—	62.5	09/14	30	1
Armor 47-G7	Armor	—	—	62.2	09/02	27	1
TVX49R102 (E)	Terral	—	—	62.2	09/13	42	2
TVX47R102 (E)	Terral	—	—	61.1	09/13	31	1
XR49N49 (E)	Garst	—	—	61.1	09/13	40	1
FFR 4891	FFR	—	—	60.9	09/13	43	2
AG4902	Asgrow	53.0	48.1	60.8	09/10	31	1
Progeny 4858RR	Progeny	—	52.4	60.7	09/13	32	1
DG X419NRR (E)	Dyna-Gro	—	—	60.3	09/04	29	1
DK 4763RR	Delta King	—	47.3	60.1	09/02	32	1
Genesis A484RR	Genesis	59.1	51.2	59.9	09/13	34	1
HBK R4920	Hornbeck	62.0	51.5	59.7	09/10	38	2
DG 4950RR	Delta Grow	—	51.3	59.7	09/08	34	1
SS RT4980	Southern States	63.3	47.3	59.2	09/14	36	2
DPX4727RR (E)	DPL	—	—	59.1	09/10	30	1
DG 3484nRR	Dyna-Gro	56.6	49.7	57.8	09/13	30	2
DK XTJ488RR (E)	Delta King	—	—	57.5	09/13	25	1
TV4886RR	Terral	60.2	45.1	57.4	09/14	39	1
DK4762RR	Delta King	52.5	43.8	57.0	09/13	37	2
DG 4860RR	Delta Grow	—	—	56.8	09/05	30	2
AG4702	Asgrow	56.8	54.6	55.1	09/14	31	1
ES Prairie RR	ES	53.6	44.9	54.5	09/10	41	2
DK4965RR	Delta King	55.3	49.1	51.2	09/10	30	1
FFR 4712	FFR	—	—	51.1	09/10	33	1
TV4890RR	Terral	57.3	52.8	46.9	09/01	35	1
94B74	Pioneer	—	—	43.6	09/04	33	2
Overall Mean		57.8	48.7	61.3			
LSD (.10)		4.9	5.1	8.8			
Error degrees of freedom		56	74	92			
CV (%)		6.2	7.7	10.6			
R^2 (%)		75	76	53			

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

Table 34. Roundup Ready Maturity Group IV Early Soybeans Planted April 18, 2002, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DPX4446RR (E)	DPL	—	—	44.6	08/18	26	1
DP4344RR	DPL	16.3	31.3	43.6	08/17	30	1
AG4603	Asgrow	—	—	41.8	08/19	22	1
AG4403	Asgrow	16.3	41.4	40.8	08/25	21	1
DG 3463NRR	Dyna-Gro	19.2	41.8	40.3	08/23	28	1
RC 4444	Croplan Genetics	—	42.2	40.1	08/22	22	1
DP 4690RR	DPL	11.6	42.7	39.5	08/18	24	1
AG4702	Asgrow	15.7	43.6	38.7	08/22	25	1
USG 7440nRR	USG	—	—	38.5	08/23	21	1
MorSoy RT4480	MorSoy	—	—	38.0	08/19	22	1
DK XTJ046RR (E)	Delta King	—	—	37.9	08/19	25	1
RC 4432	Croplan Genetics	—	—	37.5	08/22	25	1
H4454RR	Hartz	—	—	37.4	08/18	21	1
DG 3443NRR	Dyna-Gro	—	46.4	37.0	08/22	25	1
Progeny 4401RR (E)	Progeny	—	—	36.4	08/25	23	1
Genesis C444RR	Genesis	—	—	36.4	08/18	21	1
SS RT446N	Southern States	19.8	37.6	36.3	08/17	23	1
DK XTJ301RR (E)	Delta King	—	—	35.8	08/17	25	1
TV4589RR	Terral	18.2	36.1	35.6	08/19	24	1
SS RT 4502N	Southern States	—	—	35.6	08/20	27	1
H4554RR	Hartz	—	32.1	35.5	08/24	25	1
4512RR/N	Garst	—	38.3	35.1	08/23	18	1
Armor 44R5	Armor	—	—	35.0	08/19	17	1
DPX4527RR (E)	DPL	—	—	33.8	08/25	24	1
DK XTJ044RR (E)	Delta King	—	—	33.6	08/23	23	1
Armor 44-R4	Armor	—	37.9	33.3	08/11	23	1
DK 4461RR	Delta King	—	40.2	33.0	08/23	23	1
94B13	Pioneer	—	—	32.9	08/19	17	1
DPX4431RR (E)	DPL	—	—	32.1	08/23	24	1
Progeny 4303RR (E)	Progeny	—	—	31.7	08/22	24	1
AG4201	Asgrow	—	—	31.6	08/25	22	1
RC 4222	Croplan Genetics	—	—	30.0	08/21	21	1
DK XTJ041RR (E)	Delta King	—	—	29.7	08/19	18	1
NK S40-R9	NK	—	—	27.8	08/18	23	1
HBK R4622	Hornbeck	—	—	27.3	08/20	19	1
DK XTJ040RR (E)	Delta King	—	—	22.5	08/24	23	1
Overall Mean		15.7	37.1	35.5			
LSD (.10)		4.2	8.0	5.6			
Error degrees of freedom		28	60	70			
CV (%)		19.2	15.8	11.6			
R^2 (%)		74	63	68			

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

Table 35. Roundup Ready Maturity Group IV Late Soybeans Planted April 18, 2002, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
94B73	Pioneer	—	47.7	43.5	08/28	25	1
Progeny 4858RR	Progeny	—	45.9	43.1	08/29	24	1
NK X248R (E)	NK	—	—	42.1	08/30	29	1
DG X419NRR (E)	Dyna-Gro	—	—	42.0	08/29	25	1
9492	Pioneer	19.0	45.8	41.9	08/30	23	1
USG 7499nRR	USG	—	—	40.2	08/29	26	1
TV4886RR	Terral	13.7	43.8	40.0	08/28	28	1
Armor 49-D9 (E)	Armor	—	—	40.0	09/01	25	2
DG 3484nRR	Dyna-Gro	14.6	42.8	39.9	08/31	28	1
RC4995	Croplan Genetics	—	35.5	39.7	08/30	27	2
Genesis A484RR	Genesis	11.7	48.5	39.5	08/27	23	1
Progeny 4932RR (E)	Progeny	—	—	39.4	08/30	34	1
SS-RT 5001N	Southern States	—	52.8	39.3	08/30	27	1
FFR 4891	FFR	—	—	38.8	08/30	29	1
Armor 47-G7	Armor	—	46.2	38.6	08/26	24	1
FFR 4922	FFR	—	—	38.6	08/30	34	1
AG4702	Asgrow	19.8	42.5	38.5	08/26	29	1
MorSoy RT4809	MorSoy	13.7	37.2	38.3	08/28	26	1
TV4890RR	Terral	15.4	33.4	37.9	08/29	32	1
AG4902	Asgrow	17.0	47.4	37.8	0/8/31	27	1
RC 4992 (E)	Croplan Genetics	—	—	37.6	08/30	30	1
SS RT 4902	Southern States	—	—	37.5	08/28	32	1
DPX4933RR (E)	DPL	—	—	37.5	08/28	31	1
XR49N49 (E)	Garst	—	—	37.3	08/29	34	1
FFR 4712	FFR	—	—	37.0	08/29	30	1
DK XTJ302RR (E)	Delta King	—	—	36.8	08/31	24	2
SS RT517N	Southern States	—	39.7	36.7	08/29	21	1
DPX4727RR (E)	DPL	—	—	36.5	08/31	23	1
DK 4763RR	Delta King	—	40.3	36.4	08/31	20	1
4803RR	Dixie	13.2	36.8	36.4	08/30	25	1
HBK R4820	Hornbeck	—	43.4	36.3	08/29	25	1
TVX47R102 (E)	Terral	—	—	36.1	08/26	26	1
DG 4860RR	Delta Grow	—	—	35.9	08/29	30	1
HBK R4920	Hornbeck	12.7	42.8	35.8	08/27	29	1
DK4762RR	Delta King	14.6	48.1	35.6	08/27	33	1
DK4868RR	Delta King	16.9	44.4	35.4	08/30	27	2
SS RT4980	Southern States	12.8	38.4	35.1	08/29	27	1
4888RR	Garst	10.6	40.3	34.8	08/31	26	2
SG498RR	DPL	12.6	46.8	34.3	08/30	20	1
TVX49R102 (E)	Terral	—	—	34.2	08/29	33	1
DG 4950RR	Delta Grow	—	42.6	33.6	08/31	27	1
DK4965RR	Delta King	13.5	48.1	33.6	08/30	27	1
DK XTJ048RR (E)	Delta King	—	—	32.8	08/26	23	1
MorSoy RT4731	MorSoy	—	—	32.0	08/28	26	1
DK XTJ488RR (E)	Delta King	—	—	28.5	08/29	22	1
ES Prairie RR	ES	2.8	43.1	27.9	08/27	30	1
94B74	Pioneer	—	—	27.3	08/27	24	1
Overall Mean		13.8	42.5	37.0			
LSD (.10)		3.1	8.0	5.3			
Error degrees of freedom		56	74	92			
CV (%)		16.6	13.8	10.5			
R^2 (%)		85	54	59			

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

Table 36. Roundup Ready Maturity Group V Early Soybeans Planted May 2, 2002, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R5620	Hornbeck	—	54.3	77.5	09/20	34	2
Armor 56-J6	Armor	—	—	76.8	09/20	34	2
AG5701	Asgrow	65.3	52.0	75.8	09/18	29	2
Progeny 5660RR	Progeny	—	51.8	75.7	09/20	38	2
TV56R11	Terral	—	55.3	75.1	09/19	26	1
95B43	Pioneer	—	—	75.0	09/17	27	2
DK 5366RR	Delta King	71.7	58.6	74.5	09/17	33	3
DG 3535NRR	Dyna-Gro	66.9	54.5	73.7	09/19	32	2
AG5301	Asgrow	—	—	73.5	09/19	29	1
DK XTJ303RR (E)	Delta King	—	—	73.2	09/18	31	3
AG5501	Asgrow	56.4	57.2	73.2	09/20	26	1
DK 5661RR	Delta King	65.7	55.4	72.7	09/19	26	1
DG 5630RR	Delta Grow	64.2	52.8	72.5	09/20	27	2
DK 5465RR	Delta King	61.1	51.3	71.9	09/18	27	1
TV54R11	Terral	—	56.0	71.5	09/20	28	1
Progeny 5415RR	Progeny	—	56.7	70.7	09/20	26	1
MorSoy RT5440	MorSoy	—	—	70.6	09/20	28	1
SS RT 5302N	Southern States	—	—	70.5	09/17	30	2
SS RT557N	Southern States	61.6	57.0	70.5	09/17	30	2
USG 510nRR	USG	—	—	69.7	09/18	32	1
DPX5734RR (E)	DPL	—	—	69.6	09/17	32	2
5512RR/N	Garst	—	51.8	69.5	09/19	28	1
DK XTJ051RR (E)	Delta King	—	—	69.4	09/18	27	1
95B42	Pioneer	—	—	69.4	09/17	38	2
Genesis C514RR	Genesis	—	—	69.0	09/18	29	1
Armor 54-Z4	Armor	—	49.1	69.0	09/20	24	1
RC 5332 (E)	Croplan Genetics	—	—	68.9	09/17	28	2
Progeny 5250RR (E)	Progeny	—	—	68.6	09/17	25	1
USG 540nRR	USG	66.7	52.8	68.4	09/18	28	1
RC 5252	Croplan Genetics	—	55.4	68.2	09/18	30	1
H5444RR	Hartz	—	—	68.1	09/19	25	1
DG 5450RR	Delta Grow	—	50.9	68.1	09/20	27	1
DK 5668RR	Delta King	72.4	53.2	68.0	09/18	27	3
MorSoy RT5620	MorSoy	—	—	67.7	09/18	27	1
MorSoy RT5252 (E)	MorSoy	—	—	67.6	09/17	26	1
DP5644 RR	DPL	66.3	49.8	67.4	09/17	29	2
SS RT 540N	Southern States	—	—	67.0	09/18	26	1
DG 5350RR	Delta Grow	—	—	66.3	09/17	31	1
DG 5250RR	Delta Grow	—	52.7	66.1	09/18	29	1
TV52R42	Terral	62.3	51.4	65.9	09/19	32	2
DP5414RR	DPL	65.3	49.7	65.8	09/18	33	3
DG 3562NRR	Dyna-Gro	71.1	54.1	65.7	09/17	30	2
MorSoy RT5442 (E)	MorSoy	—	—	65.6	09/16	24	1
H5223RR	Hartz	—	—	65.3	09/17	23	1
HBK R5422	Hornbeck	—	—	64.7	09/17	26	2
USG 7547RR	USG	46.7	58.3	64.7	09/18	26	2
DK XTJ053RR (E)	Delta King	—	—	64.4	09/18	22	1
Armor 53-K3	Armor	—	48.5	63.0	09/17	23	1
TV 5666RR	Terral	58.8	53.0	62.7	09/19	27	2
NK S56-D7	NK	—	—	62.7	09/18	28	2
DK XTJ053RR (E)	Delta King	—	—	61.9	09/17	27	1
NK S52-U3	NK	—	—	61.8	09/19	25	1
USG 7522nRR	USG	—	—	61.8	09/18	30	2
95B53	Pioneer	53.6	61.2	61.7	09/18	27	2
AG5603	Asgrow	—	53.1	61.5	09/19	26	1
Progeny 5580RR (E)	Progeny	—	—	59.1	09/17	26	1
Progeny 5440RR (E)	Progeny	—	—	58.9	09/18	44	3
AXR 5135 (E)	Armor	—	—	55.9	09/18	35	3
TV5486RR	Terral	55.4	54.0	55.1	09/18	47	3
Progeny 5001RR (E)	Progeny	—	—	51.5	09/17	44	3
HBK R5101	Hornbeck	—	—	43.9	09/18	44	3
Overall Mean		59.9	53.7	67.3			
LSD (.10)		7.5	6.7	3.8			
Error degrees of freedom		82	116	120			
CV (%)		9.3	9.2	4.2			
R^2 (%)		67	37	88			

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

Table 37. Roundup Ready Maturity Group V Late Soybeans Planted May 2, 2002, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5822RR	Progeny	—	—	80.0	09/21	32	1
DG 5960RR	Delta Grow	—	—	79.5	09/20	31	1
DG 3583NRR	Dyna-Gro	—	—	79.2	09/20	27	1
USG 7582nRR	USG	—	—	75.9	09/20	32	1
DK XTJ053RR (E)	Delta King	—	—	75.5	09/20	28	1
AG5903	Asgrow	—	—	75.4	09/19	31	2
USG 570nRR	USG	—	52.1	74.3	09/19	33	2
95B96	Pioneer	—	59.4	73.8	09/20	33	2
DP5915RR	DPL	64.1	55.0	73.4	09/22	29	2
H5887RR	Hartz	—	—	71.6	09/19	26	2
AG5701	Asgrow	73.2	56.7	71.1	09/19	30	1
TV59R85	Terral	66.9	50.2	67.3	09/20	35	2
TV58R11	Terral	—	55.0	65.1	09/20	29	2
Progeny 5811RR	Progeny	—	—	64.3	09/19	33	2
DG 5950RR	Delta Grow	59.2	45.7	63.7	09/19	35	2
Progeny 5900RR	Progeny	65.8	50.1	63.6	09/18	32	1
XR59N24 (E)	Garst	—	—	63.2	09/19	33	1
ES XVT46RR (E)	Eagle Seed	—	—	63.0	09/21	27	1
HBK R6020	Hornbeck	64.2	45.2	62.2	09/21	34	2
SS RT 5999N	Southern States	69.6	54.4	61.4	09/19	36	3
TV59R98	Terral	—	48.8	60.8	09/20	36	2
TVX58R104 (E)	Terral	—	—	60.8	09/19	35	1
HBK R5820	Hornbeck	—	51.0	60.4	09/19	30	2
S59-V6RR	NK	70.5	51.1	57.8	09/18	26	2
MorSoy RT5900	MorSoy	—	—	55.8	09/19	33	2
SS RT 5702N	Southern States	—	—	55.8	09/19	34	2
TVX58R102 (E)	Terral	—	—	55.4	09/18	2	2
99VPI-67 (E)	Public	—	—	51.8	09/18	26	1
99VPI-120 (E)	Public	—	—	50.9	09/18	25	1
DP5806 RR	DPL	64.9	45.2	49.8	09/19	31	2
DK 5961RR	Delta King	59.2	40.5	49.6	09/19	32	1
ES Marshal RR	ES	58.0	37.8	28.8	09/18	36	2
Overall Mean		62.5	49.5	63.1			
LSD (.10)		6.4	4.0	4.8			
Error degrees of freedom		74	66	64			
CV (%)		7.6	5.9	5.6			
R^2 (%)		74	80	94			

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

Table 38. Roundup Ready Maturity Group V Early Soybeans Planted April 18, 2002, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ303RR (E)	Delta King	—	—	39.0	09/15	29	1
DK 5366RR	Delta King	—	42.6	38.7	09/15	31	1
95B42	Pioneer	—	—	38.7	09/17	26	1
AG5501	Asgrow	—	41.1	38.6	09/14	27	1
USG 7522nRR	USG	—	—	37.6	09/16	25	1
DP5644 RR	DPL	—	34.9	37.3	09/17	25	1
DG 3535NRR	Dyna-Gro	—	35.6	37.2	09/16	27	1
Progeny 5250RR (E)	Progeny	—	—	37.1	09/16	18	1
HBK R5422	Hornbeck	—	—	37.1	09/15	22	1
TV 5666RR	Terral	—	45.3	37.1	09/15	25	1
DK 5465RR	Delta King	—	38.0	36.8	09/12	18	1
HBK R5620	Hornbeck	—	37.6	36.4	09/15	30	1
DPX5734RR (E)	DPL	—	—	36.3	09/16	30	1
TV52R42	Terral	—	38.2	36.2	09/17	26	1
USG 7547RR	USG	—	45.8	36.1	09/15	21	1
SS RT 540N	Southern States	—	—	36.0	09/16	21	1
AG5701	Asgrow	—	43.8	35.8	09/16	25	1
NK S56-D7	NK	—	—	35.8	09/16	25	1
95B43	Pioneer	—	—	35.7	09/14	22	1
DG 3562NRR	Dyna-Gro	—	40.1	35.7	09/17	26	1
Progeny 5440RR (E)	Progeny	—	—	35.6	09/14	28	1
DG 5250RR	Delta Grow	—	38.7	35.5	09/14	21	1
Armor 54-Z4	Armor	—	42.0	35.5	09/14	20	1
DK 5661RR	Delta King	—	43.6	35.2	09/14	22	1
Progeny 5660RR	Progeny	—	36.3	35.2	09/15	31	1
MorSoy RT5620	MorSoy	—	—	35.1	09/16	23	1
MorSoy RT5440	MorSoy	—	—	35.0	09/14	20	1
DK 5668RR	Delta King	—	41.0	34.9	09/15	25	1
MorSoy RT5252 (E)	MorSoy	—	—	34.8	09/17	17	1
DG 5630RR	Delta Grow	—	36.2	34.8	09/16	27	1
DG 5350RR	Delta Grow	—	—	34.8	09/16	28	1
95B53	Pioneer	—	42.7	34.7	09/16	21	1
RC 5332 (E)	Croplan Genetics	—	—	34.6	09/15	29	1
DP5414RR	DPL	—	40.8	34.5	09/15	26	1
USG 540nRR	USG	—	41.0	34.4	09/12	21	1
Progeny 5001RR (E)	Progeny	—	—	34.1	09/15	29	1
AXR 5135 (E)	Armor	—	—	33.8	09/18	26	1
RC 5252	Croplan Genetics	—	35.9	33.7	09/14	25	1
TV54R11	Terral	—	38.2	33.6	09/16	24	1
DG 5450RR	Delta Grow	—	38.8	33.5	09/16	19	1
Armor 53-K3	Armor	—	37.3	33.5	09/14	23	1
5512RR/N	Garst	—	41.4	33.5	09/14	19	1
SS RT557N	Southern States	—	46.3	33.3	09/16	22	1
TV5486RR	Terral	—	27.2	33.2	09/16	35	1
AG5301	Asgrow	—	—	33.1	09/16	21	1
USG 510nRR	USG	—	—	32.9	09/16	23	1
Progeny 5415RR	Progeny	—	40.3	32.8	09/16	20	1
DK XTJ053RR (E)	Delta King	—	—	32.6	09/16	20	1
DK XTJ051RR (E)	Delta King	—	—	32.4	09/17	24	1
Armor 56-J6	Armor	—	42.2	32.4	09/14	27	1
Genesis C514RR	Genesis	—	—	32.2	09/17	22	1
SS RT 5302N	Southern States	—	—	32.2	09/16	23	1
MorSoy RT5442 (E)	MorSoy	—	—	31.8	09/16	18	1
AG5603	Asgrow	—	36.1	31.6	09/14	19	1
NK S52-U3	NK	—	—	31.6	09/17	18	1
H5444RR	Hartz	—	—	31.5	09/16	23	1
DK XTJ053RR (E)	Delta King	—	—	31.0	09/16	19	1
Progeny 5580RR (E)	Progeny	—	—	30.8	09/16	19	1
HBK R5101	Hornbeck	—	—	30.6	09/17	34	1
TV56R11	Terral	—	36.1	29.8	09/17	25	1
H5223RR	Hartz	—	—	29.5	09/16	20	1
Overall Mean		—	38.9	34.5			
LSD (.10)		—	4.6	4.3			
Error degrees of freedom		—	116	120			
CV (%)		—	8.7	9.1			
R^2 (%)		—	65	48			

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

Table 39. Roundup Ready Maturity Group V Late Soybeans Planted April 18, 2002, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 7582nRR (E)	USG	—	—	45.7	09/14	25	1
DG 3583NRR	Dyna-Gro	—	—	41.8	09/16	31	1
TVX58R104 (E)	Terral	—	—	41.6	09/15	28	1
DK XTJ053RR (E)	Delta King	—	—	41.2	09/16	27	1
Progeny 5822RR	Progeny	—	—	41.2	09/16	24	1
DG 5960RR	Delta Grow	—	—	40.2	09/14	25	1
ES XVT46RR (E)	Eagle Seed	—	—	39.3	09/15	22	1
95B96	Pioneer	—	44.7	38.8	09/14	22	1
XR59N24 (E)	Garst	—	—	38.3	09/15	32	1
TV59R85	Terral	—	36.4	38.1	09/16	30	1
DG 5950RR	Delta Grow	—	35.8	38.0	09/16	30	1
H5887RR	Hartz	—	—	37.8	09/14	29	1
HBK R5820	Hornbeck	—	39.1	37.8	09/16	28	1
AG5701	Asgrow	—	42.1	37.8	09/15	27	1
TV59R98	Terral	—	44.2	37.4	09/16	31	1
SS RT 5999N	Southern States	—	47.5	37.2	09/16	31	1
99VPI-67 (E)	Public	—	—	37.1	09/15	22	1
MorSoy RT5900	MorSoy	—	—	36.8	09/16	31	1
USG 570nRR	USG	—	41.6	36.7	09/15	32	1
SS RT 5702N	Southern States	—	—	36.6	09/14	33	1
AG5903	Asgrow	—	—	36.5	09/16	26	1
TV58R11	Terral	—	43.2	36.4	09/14	29	1
Progeny 5900RR	Progeny	—	41.2	36.1	09/14	34	1
TVX58R102 (E)	Terral	—	—	36.0	09/16	26	1
Progeny 5811RR	Progeny	—	—	35.9	09/15	33	1
DP5806 RR	DPL	—	38.4	35.5	09/16	25	1
S59-V6RR	NK	—	44.4	35.1	09/15	22	1
99VPI-120 (E)	Public	—	—	34.0	09/16	23	1
DP5915RR	DPL	—	44.2	32.5	09/16	27	1
DK 5961RR	Delta King	—	32.0	32.4	09/15	29	1
HBK R6020	Hornbeck	—	38.1	32.2	09/17	32	1
ES Marshal RR	ES	—	32.2	29.5	09/16	30	1
DK XTJ057RR (E)	Delta King	—	—	29.3	09/14	27	1
Overall Mean		—	40.3	37.0			
LSD (.10)		—	4.4	3.8			
Error degrees of freedom		—	66	64			
CV (%)		—	8.0	7.5			
R^2 (%)		—	75	71			

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

Table 40. Roundup Ready Maturity Group VI Soybeans Planted May 2,2002, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date[4]	Plant height	Lodging score
		2000[2]	2001[3]	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
6112RR/N	Garst	—	36.7	60.7	—	34	2
TVX62R001 (E)	Terral	—	—	60.4	—	33	1
Overall Mean		—	38.6	60.6			
LSD (.10)		—	6.0	2.2			
Error degrees of freedom		—	10	2			
CV (%)		—	104	1.5			
R^2 (%)		—	75	99			

[1]Sharkey clay soil. (E) = Experimental.
[2]Not planted in 2000.
[3]Planted in Group VL Irrigated in 2001.
[4]Maturity dates not taken.

Location 2. Dulaney Farms, Inc., Clarksdale

Location Summary

Planting conditions were excellent. Soybeans were up to a good stand within a week. Rains were adequate in May and June, but moisture deficits occurred in July, August, and September, requiring four irrigations. Harvest was completed on firm ground and yields were good.

Soil type . . . . . Sharkey clay
Soil pH 6.7
Soil fertility . . . . . P=H; K=H+
Fertilizer added . . . . . None

Herbicide application . . . . . Preemergence — None
Postemergence — Conventional – Storm @ 1.5 pt/A + Select @ 10 oz/A + COC (May 21)
Select @ 0.3 oz/A + COC (June 5)
Classic @ 0.66 oz/A + NIS (June 20)
Postemergence — Roundup Ready – Roundup Ultra Max @ 26 oz/A (May 21 & June 20)
Roundup Ultra Max @ 20 oz/A (June 5)

Irrigation . . . . . July 1, August 9 & September 2
Planting date . . . . . April 25
Harvest date . . . . . Group III — August 28
Group IV — September 19
Group V — October 17

Table 41. Maturity Group IV Soybeans Planted April 25, 2002 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK 4891	Hornbeck	68.9	66.7	81.5	09/10	39	1
Progeny 4910	Progeny	76.6	62.1	81.1	09/16	38	2
DT98-7278 (E)	Public	—	—	75.8	09/16	21	1
DP4748S	DPL	68.4	60.2	74.7	09/13	30	2
DT98-9102 (E)	Public	—	—	70.4	09/16	23	1
HBK 4944CX	Hornbeck	—	—	68.0	09/12	32	2
Overall Mean		70.1	60.2	75.2			
LSD (.10)		7.3	4.8	7.9			
Error degrees of freedom		—	22	10			
CV (%)		—	5.6	7.1			
R^2 (%)		—	80	64			

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

Rainfall Summary

	Inches
May	**8.86**
June	**0.91**
July	**6.38**
August	**5.13**
September	**7.67**
October	**6.97**
Total	**35.92**

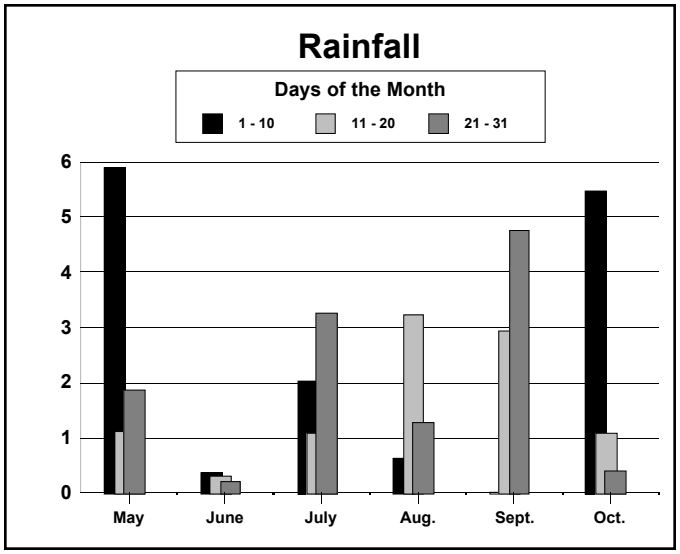

Table 42. Maturity Group V Early Soybeans Planted April 25, 2002 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5110S	DPL	—	56.0	75.6	09/27	27	1
DT97-6308 (E)	Public	—	—	74.2	09/23	22	1
A5427	Asgrow	—	—	73.2	09/26	20	1
Progeny 5120N	Progeny	61.3	50.3	72.9	09/20	19	1
Progeny 5600	Progeny	66.8	58.6	70.8	09/20	20	2
Armor 52-C2	Armor	—	59.7	68.1	09/25	20	1
Overall Mean		62.1	55.1	72.5			
LSD (.10)		6.2	6.2	7.4			
Error degrees of freedom		58	22	10			
CV (%)		7.4	8.0	6.9			
R^2 (%)		62	59	31			

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

Table 43. Maturity Group V Late Soybeans Planted April 25, 2002 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
95B97	Pioneer	—	60.6	82.1	09/27	25	1
HBK 5991	Hornbeck	72.9	55.5	80.5	09/27	28	1
9594	Pioneer	71.6	61.9	79.9	09/16	29	1
Bolivar	Public	59.0	52.7	75.1	09/26	30	3
DT96-6840 (E)	Public	65.7	55.0	73.0	09/26	27	1
DK 5995	Delta King	69.0	60.4	73.0	10/01	23	1
DP5989	DPL	62.0	60.9	72.6	09/28	32	1
Hutcheson	Public	56.2	55.0	68.6	09/26	27	1
UARK-5896	Public	—	51.5	65.4	09/28	39	3
DK 5850	Delta King	—	—	62.7	09/25	21	1
Overall Mean		63.4	56.9	73.3			
LSD (.10)		6.8	4.5	6.0			
Error degrees of freedom	58	30	18				
CV (%)		7.9	5.7	5.8			
R^2 (%)		67	56	78			

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

Table 44. Roundup Ready Maturity Group III Soybeans Planted April 25, 2002, and Not Irrigated at Gerald Lively Farm (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 3961RR	Delta King	—	49.1	48.4	08/26	20	1
DK XTJ033RR (E)	Delta King	—	—	47.2	08/22	21	1
DPX3940RR (E)	DPL	—	—	45.7	08/25	20	1
DK 3968RR	Delta King	—	51.3	43.8	08/24	22	1
HBK R3980	Hornbeck	—	—	43.6	08/26	25	1
Armor 39-E9	Armor	—	—	42.9	08/24	22	1
H3090RR	Hartz	—	—	42.7	08/26	18	1
SS RT 3975	Southern States	—	—	41.9	08/26	24	1
DPX3761RR (E)	DPL	—	—	41.2	08/23	20	1
NK S39-Q4	NK	—	—	39.6	08/24	24	1
SS RT 3502	Southern States	—	—	37.9	08/22	23	1
DK 3964RR	Delta King	—	45.5	37.4	08/24	22	1
AG3902	Asgrow	—	50.6	36.6	08/24	25	1
DK 3862RR	Delta King	—	48.3	35.3	08/26	23	1
AG3702	Asgrow	—	50.5	34.3	08/26	24	1
MorSoy RT3881	MorSoy	—	—	34.0	08/25	24	1
SS RT 3702	Southern States	—	—	31.8	08/26	25	1
TVX39R201 (E)	Terral	—	—	30.8	08/28	24	1
AG3903	Asgrow	—	42.4	29.0	08/28	19	1
HBK XR390-02 (E)	Hornbeck	—	—	28.7	08/28	20	1
DPX3819RR (E)	DPL	—	—	24.7	08/28	23	1
Overall Mean		—	48.4	38.0			
LSD (.10)		—	6.9	7.3			
Error degrees of freedom		—	20	20			
CV (%)		—	10.1	11.2			
R^2 (%)		—	49	83			

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

Table 45. Roundup Ready Maturity Group IV Early Soybeans Planted April 25, 2002 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
MorSoy RT4480	MorSoy	—	—	79.9	09/10	34	2
DP 4690RR	DPL	76.4	59.0	79.7	09/11	34	2
DK XTJ044RR (E)	Delta King	—	—	78.4	09/10	50	1
DG 3443NRR	Dyna-Gro	—	60.5	78.1	09/13	32	1
AG4403	Asgrow	72.7	64.5	77.3	09/08	33	1
Genesis C444RR	Genesis	—	—	76.8	09/08	33	1
USG 7440nRR	USG	—	—	76.3	09/10	34	1
RC 4444	Croplan Genetics	—	60.8	74.6	09/10	32	1
DPX4431RR (E)	DPL	—	—	74.1	09/10	30	1
AG4603	Asgrow	—	—	73.2	09/10	30	1
H4454RR	Hartz	—	—	73.2	09/10	32	1
DPX4446RR (E)	DPL	—	—	72.7	09/06	36	1
Progeny 4401RR (E)	Progeny	—	—	72.0	09/10	31	1
DK XTJ301RR (E)	Delta King	—	—	71.7	09/12	33	1
DK 4461RR	Delta King	—	56.6	69.9	09/10	31	1
DP4344RR	DPL	63.7	57.6	68.8	09/06	33	2
RC 4432	Croplan Genetics	—	—	68.7	09/06	32	1
4512RR/N	Garst	—	57.6	68.7	09/06	28	1
94B13	Pioneer	—	—	68.0	09/10	27	1
AG4702	Asgrow	66.1	53.0	67.7	09/12	32	1
TV4589RR	Terral	60.4	57.0	66.2	09/06	31	1
SS RT 4502N	Southern States	—	—	66.1	09/04	30	1
DG 3463NRR	Dyna-Gro	58.2	49.6	65.9	09/04	37	2
Armor 44-R4	Armor	—	56.3	65.4	09/10	30	1
NK S40-R9	NK	—	—	64.4	09/06	24	1
SS RT446N	Southern States	64.3	56.0	63.5	09/06	30	1
DPX4527RR (E)	DPL	—	—	63.4	09/06	30	1
RC 4222	Croplan Genetics	—	—	62.9	09/08	22	1
DK XTJ046RR (E)	Delta King	—	—	62.8	09/04	30	1
H4554RR	Hartz	—	55.4	62.6	09/08	32	1
Progeny 4303RR (E)	Progeny	—	—	61.5	09/08	29	1
AG4201	Asgrow	—	—	60.8	09/04	30	1
HBK R4622	Hornbeck	—	—	59.1	09/10	23	1
DK XTJ041RR (E)	Delta King	—	—	58.3	09/06	21	1
Armor 44R5	Armor	—	—	57.2	09/08	21	1
DK XTJ040RR (E)	Delta King	—	—	56.5	09/06	25	1
Overall Mean		64.2	56.2	68.5			
LSD (.10)		6.8	4.2	6.4			
Error degrees of freedom		28	60	70			
CV (%)		7.7	5.5	6.9			
R^2 (%)		83	84	78			

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

Table 46. Roundup Ready Maturity Group IV Late Soybeans Planted April 25, 2002 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ302RR (E)	Delta King	—	—	84.1	09/16	32	2
FFR 4922	FFR	—	—	82.1	09/17	43	2
Progeny 4932RR (E)	Progeny	—	—	80.8	—	—	—
HBK R4820	Hornbeck	—	65.4	80.2	09/16	32	2
RC 4992 (E)	Croplan Genetics	—	—	80.0	—	—	—
SS RT4980	Southern States	74.0	57.7	79.7	09/12	36	1
MorSoy RT4809	MorSoy	85.5	53.8	79.7	09/16	32	1
NK X248R (E)	NK	—	—	79.3	09/16	33	1
DPX4933RR (E)	DPL	—	—	79.2	09/17	41	2
DK4868RR	Delta King	78.6	61.1	79.2	09/16	30	1
DG 4950RR	Delta Grow	—	60.0	78.5	09/10	36	1
Progeny 4858RR	Progeny	—	57.5	77.8	09/13	36	1
XR49N49 (E)	Garst	—	—	77.4	09/16	40	2
DK XTJ048RR (E)	Delta King	—	—	77.2	09/08	31	1
SS RT 4902	Southern States	—	—	77.1	09/16	41	2
SG498RR	DPL	71.6	54.7	76.3	09/15	30	1
4888RR	Garst	70.5	63.3	76.2	09/13	37	2
4803RR	Dixie	72.8	56.4	75.7	09/15	37	1
Armor 49-D9 (E)	Armor	—	—	75.4	09/08	32	1
AG4902	Asgrow	64.1	57.0	75.0	09/12	36	1
HBK R4920	Hornbeck	72.6	62.3	74.9	09/13	37	3
TVX47R102 (E)	Terral	—	—	74.7	09/15	31	1
FFR 4891	FFR	—	—	74.5	09/16	37	2
TVX49R102 (E)	Terral	—	—	74.4	09/13	41	2
DG 4860RR	Delta Grow	—	—	74.2	09/10	30	1
SS-RT 5001N	Southern States	—	45.2	73.9	09/18	28	1
FFR 4712	FFR	—	—	73.4	09/12	37	1
USG 7499nRR	USG	—	—	72.4	09/15	36	2
Genesis A484RR	Genesis	65.4	57.9	72.3	09/13	37	2
Armor 47-G7	Armor	—	62.7	72.3	09/10	26	1
RC4995	Croplan Genetics	—	58.5	72.2	09/16	42	2
94B74	Pioneer	—	—	72.1	09/08	27	1
94B73	Pioneer	—	59.0	71.5	09/06	30	1
9492	Pioneer	62.9	54.7	71.3	09/10	32	1
DG 3484nRR	Dyna-Gro	70.4	57.7	71.0	09/13	35	2
DK4965RR	Delta King	67.7	55.0	69.3	09/10	32	1
TV4886RR	Terral	67.7	52.9	68.5	09/12	40	2
SS RT517N	Southern States	66.1	51.9	68.3	09/17	25	1
DK 4763RR	Delta King	—	58.5	67.6	09/10	26	1
DK4762RR	Delta King	57.2	49.8	67.6	09/13	39	2
MorSoy RT4731	MorSoy	—	—	65.1	09/10	25	1
DPX4727RR (E)	DPL	—	—	64.7	09/10	28	1
TV4890RR	Terral	65.4	49.5	64.6	09/04	35	1
AG4702	Asgrow	63.5	53.4	64.1	09/13	29	1
DG X419NRR (E)	Dyna-Gro	—	—	63.5	09/10	26	1
ES Prairie RR	ES	60.4	50.8	63.0	09/19	37	2
DK XTJ488RR (E)	Delta King	—	—	60.8	09/08	20	1
Overall Mean		67.5	55.8	73.5			
LSD (.10)		6.3	4.6	5.8			
Error degrees of freedom		56	74	92			
CV (%)		6.8	6.0	5.8			
R^2 (%)		76	69	74			

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

Table 47. Roundup Ready Maturity Group V Early Soybeans Planted April 25, 2002 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R5620	Hornbeck	—	56.4	79.9	09/27	31	1
DG 5630RR	Delta Grow	72.8	57.6	79.0	09/28	29	1
DK 5366RR	Delta King	68.5	64.6	76.5	09/26	28	1
Armor 56-J6	Armor	—	—	74.9	09/23	28	1
MorSoy RT5620	MorSoy	—	—	74.4	09/25	21	1
DP5414RR	DPL	67.1	51.6	74.1	09/26	24	1
DG 3535NRR	Dyna-Gro	70.7	62.1	73.8	09/28	28	1
DK 5661RR	Delta King	66.5	62.3	73.5	09/28	23	1
DPX5734RR (E)	DPL	—	—	73.4	09/26	25	1
TV 5666RR	Terral	53.7	50.4	72.7	09/26	24	1
TV56R11	Terral	—	62.2	72.5	09/28	29	1
95B43	Pioneer	—	—	72.2	09/23	27	1
DK XTJ303RR (E)	Delta King	—	—	71.7	09/27	26	1
DG 3562NRR	Dyna-Gro	68.7	60.9	71.2	09/26	25	1
AG5701	Asgrow	71.3	59.3	70.8	09/27	26	1
Progeny 5250RR (E)	Progeny	—	—	70.6	09/23	20	1
95B53	Pioneer	66.1	58.5	70.4	09/26	22	1
SS RT557N	Southern States	54.8	52.8	70.3	09/25	27	1
DK 5668RR	Delta King	66.9	57.8	69.9	09/23	21	1
NK S56-D7	NK	—	—	69.8	09/26	25	1
AG5301	Asgrow	—	—	69.4	09/26	19	1
SS RT 5302N	Southern States	—	—	68.9	09/23	21	1
DG 5350RR	Delta Grow	—	—	68.6	09/23	21	1
Genesis C514RR	Genesis	—	—	68.2	09/27	26	1
DK XTJ051RR (E)	Delta King	—	—	67.7	09/26	23	1
AG5501	Asgrow	65.8	55.7	67.5	09/26	26	1
DP5644 RR	DPL	63.9	54.5	67.4	09/25	32	1
RC 5332 (E)	Croplan Genetics	—	—	67.0	09/25	22	1
95B42	Pioneer	—	—	66.9	09/25	30	1
AXR 5135 (E)	Armor	—	—	66.5	09/23	35	2
DK 5465RR	Delta King	68.9	54.2	65.9	09/26	23	1
RC 5252	Croplan Genetics	—	52.3	65.3	09/26	26	1
USG 510nRR	USG	—	—	64.6	09/27	21	1
MorSoy RT5252 (E)	MorSoy	—	—	64.5	09/28	18	1
USG 540nRR	USG	62.8	55.2	64.3	09/26	20	1
Armor 54-Z4	Armor	—	58.9	64.2	09/26	24	1
DK XTJ053RR (E)	Delta King	—	—	64.0	09/26	22	1
TV54R11	Terral	—	53.8	63.7	09/28	19	1
HBK R5422	Hornbeck	—	—	63.6	09/25	22	1
NK S52-U3	NK	—	—	62.8	09/26	24	1
DG 5450RR	Delta Grow	—	55.2	62.6	09/28	20	1
5512RR/N	Garst	—	51.4	62.6	09/27	18	1
Progeny 5660RR	Progeny	—	61.7	62.6	09/28	27	1
AG5603	Asgrow	—	56.0	61.9	09/25	23	1
MorSoy RT5440	MorSoy	—	—	61.8	10/01	19	1
Progeny 5415RR	Progeny	—	58.0	61.6	09/27	17	1
TV52R42	Terral	61.8	51.4	61.1	09/23	27	1
Progeny 5001RR (E)	Progeny	—	—	60.7	09/23	38	2
SS RT 540N	Southern States	—	—	60.5	09/26	23	1
DG 5250RR	Delta Grow	—	50.3	60.3	09/28	20	1
H5444RR	Hartz	—	—	60.1	09/26	21	1
USG 7547RR	USG	50.0	47.0	59.9	09/25	24	1
HBK R5101	Hornbeck	—	—	59.4	09/16	39	3
Progeny 5440RR (E)	Progeny	—	—	59.3	09/23	44	3
USG 7522nRR	USG	—	—	56.9	09/23	26	1
TV5486RR	Terral	58.0	51.9	56.4	09/23	46	2
H5223RR	Hartz	—	—	56.2	09/26	16	1
MorSoy RT5442 (E)	MorSoy	—	—	55.7	06/26	22	1
Progeny 5580RR (E)	Progeny	—	—	54.3	09/27	17	1
Armor 53-K3	Armor	—	52.3	52.8	09/26	17	1
DK XTJ053RR (E)	Delta King	—	—	52.6	09/25	28	1
Overall Mean		60.8	55.1	65.9			
LSD (.10)		7.1	6.2	8.7			
Error degrees of freedom		82	116	120			
CV (%)		8.6	8.3	9.7			
R^2 (%)		70	59	60			

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

Table 48. Roundup Ready Maturity Group V Late Soybeans Planted April 25, 2002 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R6020	Hornbeck	68.0	54.9	78.2	10/4	34	1
DP5915RR	DPL	57.8	49.3	78.0	9/28	31	1
DK XTJ053RR (E)	Delta King	—	—	77.9	9/27	24	1
H5887RR	Hartz	—	—	77.8	9/25	28	1
USG 7582nRR (E)	USG	—	—	76.9	9/28	22	1
DG 3583NRR	Dyna-Gro	—	—	76.3	9/26	22	1
Progeny 5822RR	Progeny	—	—	76.2	9/26	25	1
AG5701	Asgrow	68.1	59.1	75.8	9/26	27	1
AG5903	Asgrow	—	—	75.8	9/26	25	1
DG 5960RR	Delta Grow	—	—	75.5	9/26	26	1
SS RT 5702N	Southern States	—	—	74.7	9/25	33	1
95B96	Pioneer	—	66.8	73.9	9/27	25	1
USG 570nRR	USG	—	62.5	73.7	9/26	32	1
TVX58R104 (E)	Terral	—	—	73.3	10/1	30	1
MorSoy RT5900	MorSoy	—	—	71.6	9/28	32	1
Progeny 5811RR	Progeny	—	—	71.4	9/26	30	1
Progeny 5900RR	Progeny	65.4	54.6	71.2	9/26	27	1
DG 5950RR	Delta Grow	62.2	52.9	70.8	9/26	30	1
XR59N24 (E)	Garst	—	—	70.3	9/26	28	1
SS RT 5999N	Southern States	63.5	54.3	70.3	9/26	29	1
TV59R98	Terral	—	59.0	69.3	9/28	34	1
HBK R5820	Hornbeck	—	49.6	69.3	9/28	29	1
TV58R11	Terral	—	60.5	68.4	9/23	29	1
TV59R85	Terral	61.9	54.0	68.3	9/25	32	1
TVX58R102 (E)	Terral	—	—	67.4	9/26	27	1
ES XVT46RR (E)	Eagle Seed	—	—	66.2	9/28	22	1
DP5806 RR	DPL	63.8	58.5	65.9	9/26	37	2
99VPI-67 (E)	Public	—	—	64.8	9/20	22	1
S59-V6RR	NK	67.5	59.4	64.4	9/23	24	1
99VPI-120 (E)	Public	—	—	63.0	9/23	23	1
DK 5961RR	Delta King	63.3	47.5	59.6	10/3	29	1
ES Marshal RR	ES	51.5	51.0	52.5	9/26	30	1
Overall Mean		60.7	54.1	70.9			
LSD (.10)		5.7	6.6	5.8			
Error degrees of freedom		74	66	62			
CV (%)		6.8	8.9	6.0			
R^2 (%)		81	64	75			

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

Location 3. Steve Williams' Farm, Olive Branch

Location Summary

Rainfall was well distributed throughout the growing season. Disease and insect pressure were not significant. Growing conditions were favorable throughout the summer.

Soil type . . . . . **Collins silt loam**
Soil pH **6.9**
Soil fertility . . . . . **P=H; K=H**
Fertilizer added . . . . . **$P_2 0_5$ @ 40 lb/A + $K_2 0$ @ 70 lb/A**

Herbicide application . . . . . **Preemergence — None**
Postemergence — Conventional – First Rate @ 0.3 oz/A + Select @ 10 oz/A + COC (May 23)
Classic @ 0.66 oz/A + NIS (June 13)
Postemergence — Roundup Ready – Roundup Ultra Max @ 26 oz/A (May 23 & June 13)

Planting date . . . . . **May 8**
Harvest date . . . . . **October 1 — Group IV – Conventional and Roundup Ready**
October 18 — Group V – Conventional and Roundup Ready

Table 49. Maturity Group IV Soybeans Planted May 8, 2002 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DT98-7278 (E)	Public	—	—	54.1	10/01	22	1
DT98-9102 (E)	Public	—	—	49.4	09/27	30	1
Progeny 4910	Progeny	24.4	50.7	41.0	09/26	36	2
HBK 4891	Hornbeck	32.7	51.8	40.1	09/28	38	4
DP4748S	DPL	28.9	42.7	40.0	10/04	42	2
HBK 4944CX	Hornbeck	—	—	39.2	09/26	39	2
Overall Mean		22.2	46.7	44.0			
LSD (.10)		6.9	8.9	9.2			
Error degrees of freedom		—	22	10			
CV (%)		—	13.7	14.1			
R^2 (%)		—	85	61			

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

Rainfall Summary

	Inches
May	6.16
June	4.95
July	8.87
August	5.26
September	9.15
October	7.87
Total	42.26

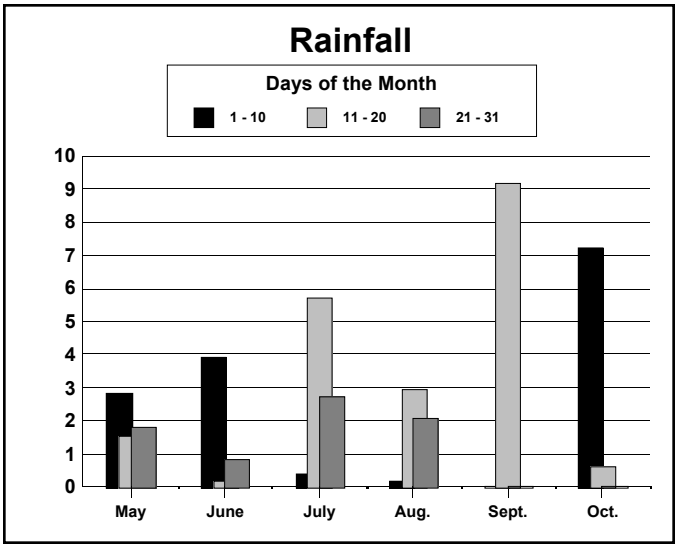

Table 50. Maturity Group V Early Soybeans Planted May 8, 2002 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
A5427	Asgrow	—	—	63.4	10/01	27	1
Progeny 5120N	Progeny	12.9	49.6	56.0	10/01	34	1
Progeny 5600	Progeny	12.6	38.8	52.5	10/01	36	3
DP5110S	DPL	—	38.9	49.0	10/04	37	2
DT97-6308 (E)	Public	—	—	42.2	10/01	30	1
Armor 52-C2	Armor	—	45.0	37.8	10/03	32	1
Overall Mean		15.1	43.9	50.2			
LSD (.10)		4.8	17.7	7.9			
Error degrees of freedom		58	22	10			
CV (%)		23.3	28.7	10.6			
R^2 (%)		70	54	82			

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

Table 51. Maturity Group V Late Soybeans Planted May 8, 2002 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5989	DPL	6.0	48.6	61.8	—	35	3
DK 5995	Delta King	22.3	49.3	61.6	10/04	38	1
DT96-6840 (E)	Public	27.6	51.9	54.2	10/04	38	2
DK 5850	Delta King	—	—	53.5	10/03	31	1
9594	Pioneer	15.5	50.7	51.1	10/05	34	2
95B97	Pioneer	—	49.9	45.8	09/30	32	1
HBK 5991	Hornbeck	16.0	47.8	45.0	10/13	29	1
Hutcheson	Public	15.5	48.3	43.1	10/02	34	3
UARK-5896	Public	—	46.8	41.1	10/13	37	2
Bolivar	Public	20.9	40.7	40.2	10/05	40	2
Overall Mean		15.3	48.4	49.8			
LSD (.10)		6.6	6.9	8.4			
Error degrees of freedom		58	30	18			
CV (%)		31.5	10.3	12.0			
R^2 (%)		59	67	73			

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

Table 52. Roundup Ready Maturity Group IV Early Soybeans Planted May 8, 2002 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor 44R5	Armor	—	—	59.8	09/12	31	1
DPX4446RR (E)	DPL	—	—	57.9	09/19	38	3
RC 4222	Croplan Genetics	—	—	57.5	09/10	28	1
Armor 44-R4	Armor	—	55.5	54.2	09/12	35	1
RC 4432	Croplan Genetics	—	—	53.9	09/19	40	3
DPX4431RR (E)	DPL	—	—	53.8	09/15	32	2
AG4403	Asgrow	—	62.9	53.5	09/19	38	2
DP 4690RR	DPL	—	46.9	53.3	09/19	39	2
DK XTJ044RR (E)	Delta King	—	—	52.9	09/11	32	2
DK 4461RR	Delta King	—	52.4	52.9	09/13	34	1
MorSoy RT4480	MorSoy	—	—	52.7	09/11	38	1
SS RT 4502N	Southern States	—	—	52.7	09/14	38	2
USG 7440nRR	USG	—	—	50.9	09/21	35	2
DK XTJ301RR (E)	Delta King	—	—	50.6	09/19	31	1
DG 3443NRR	Dyna-Gro	—	56.1	49.9	09/10	38	2
DP4344RR	DPL	—	44.6	48.8	09/11	46	4
AG4702	Asgrow	—	54.3	48.7	09/11	31	1
H4454RR	Hartz	—	—	48.7	09/12	32	1
Genesis C444RR	Genesis	—	—	48.5	09/13	35	1
4512RR/N	Garst	—	55.5	48.0	09/04	35	1
RC 4444	Croplan Genetics	—	52.9	47.9	09/19	37	2
Progeny 4401RR (E)	Progeny	—	—	47.7	09/10	37	2
HBK R4622	Hornbeck	—	—	46.7	09/11	31	1
DK XTJ040RR (E)	Delta King	—	—	44.9	09/05	32	2
94B13	Pioneer	—	—	43.7	09/10	31	3
AG4603	Asgrow	—	—	43.3	09/19	32	2
AG4201	Asgrow	—	—	42.3	09/05	32	2
DK XTJ041RR (E)	Delta King	—	—	41.3	09/03	25	1
H4554RR	Hartz	—	51.7	41.3	09/05	30	1
SS RT446N	Southern States	—	46.3	41.1	09/10	37	2
DG 3463NRR	Dyna-Gro	—	52.5	39.5	09/11	42	2
NK S40-R9	NK	—	—	39.1	10/05	38	2
DK XTJ046RR (E)	Delta King	—	—	36.2	09/13	39	2
DPX4527RR (E)	DPL	—	—	33.7	09/15	31	1
TV4589RR	Terral	—	50.2	33.3	09/05	34	2
Progeny 4303RR (E)	Progeny	—	—	27.8	09/11	40	3
Overall Mean		—	50.8	47.2			
LSD (.10)		—	8.8	7.1			
Error degrees of freedom		—	60	70			
CV (%)		—	12.7	11.0			
R^2 (%)		—	89	76			

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

Table 53. Roundup Ready Maturity Group IV Late Soybeans Planted May 8, 2002 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
4888RR	AgriPro	—	—	56.3	09/25	45	3
4803RR	Dixie	24.6	59.2	55.1	09/28	40	2
94B73	Pioneer	—	—	55.0	09/24	36	3
HBK R4920	Hornbeck	24.8	47.1	54.2	09/22	40	2
TVX49R102 (E)	Terral	—	—	53.2	09/28	48	2
RC4995	Croplan Genetics	—	52.3	52.2	09/27	38	2
SS RT4980	Southern States	22.3	47.9	52.0	09/24	38	3
94B74	Pioneer	—	—	51.4	09/22	38	2
AG4902	Asgrow	26.8	50.2	50.5	09/28	36	1
DG 4950RR	Delta Grow	—	42.7	50.4	09/24	39	2
SS-RT 5001N	Southern States	—	—	50.1	09/28	34	2
FFR 4891	FFR	—	—	50.0	09/27	35	4
Armor 49-D9 (E)	Armor	—	—	49.4	09/24	34	2
DK XTJ302RR (E)	Delta King	—	—	49.2	09/28	35	2
NK X248R (E)	NK	—	—	48.2	10/01	37	2
DK 4763RR	Delta King	—	48.6	48.1	—	32	2
DPX4727RR (E)	DPL	—	—	48.1	09/24	35	1
DK XTJ048RR (E)	Delta King	—	—	47.9	09/24	28	1
Armor 47-G7	Armor	—	—	47.2	09/24	27	1
9492	Pioneer	24.6	47.9	46.5	09/25	33	2
FFR 4712	FFR	—	—	46.1	09/26	41	2
SG498RR	DPL	17.0	45.2	45.9	09/28	29	1
MorSoy RT4809	MorSoy	25.9	46.3	45.7	09/21	38	4
DK4868RR	Delta King	21.0	54.3	45.2	—	37	1
DG 4860RR	Delta Grow	—	—	45.1	09/22	33	2
RC 4992 (E)	Croplan Genetics	—	—	43.1	09/23	42	2
DK XTJ488RR (E)	Delta King	—	—	42.9	09/24	28	1
ES Prairie RR	ES	14.6	36.7	42.7	09/26	39	3
DPX4933RR (E)	DPL	—	—	41.3	09/28	40	2
DG X419NRR (E)	Dyna-Gro	—	—	41.1	09/24	29	1
SS RT 4902	Southern States	—	—	40.5	09/24	41	2
AG4702	Asgrow	23.7	47.8	40.1	09/21	34	2
MorSoy RT4731	MorSoy	—	—	39.7	09/21	31	1
DK4762RR	Delta King	21.9	41.5	38.9	—	45	1
Progeny 4932RR (E)	Progeny	—	—	38.5	09/25	39	2
SS RT517N	Southern States	—	—	38.4	—	31	1
FFR 4922	FFR	—	—	38.1	09/22	35	2
TV4890RR	Terral	21.2	41.6	37.6	—	39	2
XR49N49 (E)	Garst	—	—	37.1	09/21	41	2
USG 7499nRR	USG	—	—	36.5	09/28	37	2
TVX47R102 (E)	Terral	—	—	36.2	09/26	40	2
DK4965RR	Delta King	20.9	48.8	35.9	09/27	32	2
Progeny 4858RR	Progeny	—	49.7	35.9	09/21	38	2
HBK R4820	Hornbeck	—	—	35.9	09/21	29	1
Genesis A484RR	Genesis	26.4	40.4	35.1	09/28	38	1
DG 3484nRR	Dyna-Gro	29.5	41.2	32.3	09/22	38	1
TV4886RR	Terral	24.4	42.2	32.2	—	35	2
Overall Mean		22.4	45.5	44.3			
LSD (.10)		8.2	10.2	6.9			
Error degrees of freedom		56	74	92			
CV (%)		26.8	16.4	11.5			
R^2 (%)		59	81	72			

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

Table 54. Roundup Ready Maturity Group V Early Soybeans Planted May 8, 2002 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 3562NRR	Dyna-Gro	10.0	50.1	72.2	10/06	35	2
MorSoy RT5620	MorSoy	—	—	71.3	10/01	36	2
DK 5366RR	Delta King	10.7	54.5	67.5	10/01	38	2
DPX5734RR (E)	DPL	—	—	66.2	10/06	38	2
HBK R5620	Hornbeck	—	49.7	65.4	10/04	35	1
DK 5668RR	Delta King	22.7	48.8	64.8	10/04	33	2
DP5644 RR	DPL	14.4	50.0	61.8	10/06	32	1
DG 3535NRR	Dyna-Gro	16.9	48.1	61.7	10/01	37	2
NK S52-U3	NK	—	—	61.3	10/01	28	1
DK XTJ303RR (E)	Delta King	—	—	60.7	10/06	34	1
Armor 56-J6	Armor	—	—	59.7	10/06	31	2
AG5701	Asgrow	12.8	51.9	59.3	10/03	36	2
Progeny 5660RR	Progeny	—	50.0	58.5	10/02	30	2
RC 5332 (E)	Croplan Genetics	—	—	57.7	09/29	37	1
MorSoy RT5252 (E)	MorSoy	—	—	57.3	10/06	32	1
HBK R5422	Hornbeck	—	—	56.9	10/01	30	1
TV56R11	Terral	—	47.7	56.1	10/04	35	2
Progeny 5440RR (E)	Progeny	—	—	54.7	10/01	42	2
DG 5630RR	Delta Grow	17.4	44.8	54.3	10/06	33	2
AG5301	Asgrow	—	—	52.5	10/01	32	1
SS RT 5302N	Southern States	—	—	52.5	09/30	36	1
RC 5252	Croplan Genetics	—	50.0	52.4	09/30	38	1
DK 5661RR	Delta King	10.2	50.3	51.5	10/06	35	1
AG5501	Asgrow	13.3	47.4	51.5	10/01	39	1
DP5414RR	DPL	13.1	46.5	51.3	10/04	45	2
Progeny 5250RR (E)	Progeny	—	—	51.1	09/30	33	1
95B42	Pioneer	—	—	50.1	10/04	35	1
MorSoy RT5440	MorSoy	—	—	50.1	10/01	38	1
DK XTJ053RR (E)	Delta King	—	—	49.9	09/28	29	1
DG 5350RR	Delta Grow	—	—	49.8	10/01	34	1
DG 5250RR	Delta Grow	—	49.5	49.4	09/28	32	1
DK XTJ051RR (E)	Delta King	—	—	49.2	10/05	36	2
95B43	Pioneer	—	—	49.0	09/22	30	2
TV5486RR	Terral	10.2	39.7	48.3	10/01	42	1
Armor 54-Z4	Armor	—	45.2	48.0	09/29	34	1
DK XTJ053RR (E)	Delta King	—	—	47.7	09/30	28	1
AXR 5135 (E)	Armor	—	—	46.9	10/06	38	2
Genesis C514RR	Genesis	—	—	46.8	10/01	37	1
USG 7547RR	USG	19.2	42.1	45.8	10/01	27	1
Progeny 5580RR (E)	Progeny	—	—	45.3	10/02	28	1
USG 540nRR	USG	20.9	52.9	45.0	10/01	34	1
H5223RR	Hartz	—	—	44.9	09/28	32	1
DG 5450RR	Delta Grow	—	49.6	43.8	10/02	34	1
NK S56-D7	NK	—	—	43.5	10/01	31	2
TV54R11	Terral	—	47.4	43.2	09/28	31	1
SS RT557N	Southern States	12.7	44.5	42.1	09/29	33	1
USG 7522nRR	USG	—	—	41.5	09/29	34	1
AG5603	Asgrow	—	50.2	41.4	09/28	33	1
H5444RR	Hartz	—	—	41.2	09/29	34	1
TV52R42	Terral	15.0	42.3	40.3	09/29	33	1
Progeny 5415RR	Progeny	—	44.2	40.1	10/06	27	1
Armor 53-K3	Armor	—	47.3	39.1	10/01	26	1
5512RR/N	Garst	—	49.9	39.0	09/28	31	1
SS RT 540N	Southern States	—	—	38.6	10/01	28	1
DK 5465RR	Delta King	27.1	48.7	37.8	10/01	30	1
TV 5666RR	Terral	8.7	40.5	37.7	09/19	36	2
USG 510nRR	USG	—	—	37.6	10/06	28	1
MorSoy RT5442 (E)	MorSoy	—	—	36.7	09/29	30	1
95B53	Pioneer	24.3	36.3	35.3	10/01	31	1
HBK R5101	Hornbeck	—	—	25.8	09/29	46	3
Progeny 5001RR (E)	Progeny	—	—	25.1	10/04	39	2
Overall Mean		14.8	45.2	49.6			
LSD (.10)		7.3	6.0	8.7			
Error degrees of freedom		82	116	120			
CV (%)		36.3	9.8	12.9			
R^2 (%)		57	83	79			

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

Table 55. Roundup Ready Maturity Group V Late Soybeans Planted May 8, 2002 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5903	Asgrow	—	—	71.2	—	38	2
DG 5960RR	Delta Grow	—	—	67.1	—	38	2
Progeny 5822RR	Progeny	—	—	66.5	10/03	34	1
DK XTJ053RR (E)	Delta King	—	—	66.2	—	35	2
DG 3583NRR	Dyna-Gro	—	—	64.3	10/05	37	1
USG 7582nRR (E)	USG	—	—	64.3	—	37	1
AG5701	Asgrow	15.8	47.7	63.3	—	35	1
H5887RR	Hartz	—	—	62.6	10/05	38	2
HBK R6020	Hornbeck	20.6	47.0	62.1	—	44	2
DP5915RR	DPL	18.9	60.2	61.6	10/05	32	1
ES XVT46RR (E)	Eagle Seed	—	—	60.6	—	42	2
USG 570nRR	USG	—	51.0	60.0	—	36	2
TV58R11	Terral	—	53.0	59.3	—	36	3
ES Marshal RR	ES	16.6	37.5	58.1	—	43	2
DP5806 RR	DPL	12.0	49.7	57.3	—	46	2
XR59N24 (E)	Garst	—	—	56.0	10/05	41	2
TV59R98	Terral	—	38.7	54.0	10/04	41	1
DG 5950RR	Delta Grow	13.7	44.0	52.8	—	38	1
Progeny 5811RR	Progeny	—	—	52.7	10/03	40	2
TV59R85	Terral	16.7	41.6	51.9	09/30	43	3
MorSoy RT5900	MorSoy	—	—	51.0	—	31	1
SS RT 5702N	Southern States	—	—	50.5	10/05	43	3
Progeny 5900RR	Progeny	20.8	41.6	50.3	—	41	2
95B96	Pioneer	—	47.4	50.2	10/02	30	1
TVX58R102 (E)	Terral	—	—	50.0	10/01	40	2
SS RT 5999N	Southern States	9.6	42.5	49.9	10/01	39	1
DK 5961RR	Delta King	15.1	45.3	48.9	—	34	2
HBK R5820	Hornbeck	—	41.1	47.4	—	37	2
99VPI-67 (E)	Public	—	—	47.0	—	31	1
S59-V6RR	NK	11.8	41.1	43.1	10/05	32	1
TVX58R104 (E)	Terral	—	—	39.8	10/05	40	2
99VPI-120 (E)	Public	—	—	37.7	09/30	40	1
Overall Mean		14.6	46.2	55.5			
LSD (.10)		6.8	6.8	6.5			
Error degrees of freedom		74	66	62			
CV (%)		34.2	10.8	8.5			
R^2 (%)		52	66	84			

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

Location 4. Gibb Steele Farms, Longwood

Location Summary

The growing season for 2002 was a relatively good season. Temperatures were near normal throughout the growing season. Rainfall was not excessive but often provided a timely supplement to an irrigation schedule that was followed as needed. Rainfall in late September caused a delay in the harvest of the Group IV variety test.

Soil type . . . . . **Sharkey clay**
Soil pH **7.4**
Soil fertility . . . . . **P=H; K=H+**
Fertilizer added . . . . . **None**

Herbicide application . . . . . **Burndown — Roundup Ready – Roundup Ultra Max @ 32 oz/A (April 24)**
Preemergence — Roundup Ready – Roundup Ultra Max @ 32 oz/A
Conventional – Squadron @ 3 pt/A
Postemergence — Roundup Ready – Roundup Ultra Max @ 26 oz/A (May 22)
Roundup Ready – Roundup Ultra Max @ 20 oz/A (June 7)
Conventional – Storm @ 1.5 pt/A + Select @ 10 oz/A + COC (May 22)
Classic @ 0.66 oz/A + NIS (June 7)

Irrigation . . . . . **June 5, June 26, July 7, July 31, August 14 & August 31 (Group V)**
Planting date . . . . . **April 24**
Harvest date . . . . . **October 2**

Table 56. Maturity Group IV Soybeans Planted April 24, 2002 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DT98-9102 (E)	Public	—	—	68.5	09/13	20	1
HBK 4891	Hornbeck	59.0	56.7	66.8	09/06	28	2
DP4748S	DPL	66.6	65.6	56.5	09/07	27	2
DT98-7278 (E)	Public	—	—	53.1	09/11	14	1
Progeny 4910	Progeny	72.4	60.4	52.5	09/09	30	2
HBK 4944CX	Hornbeck	—	—	38.3	09/05	35	3
Overall Mean		58.3	59.8	55.9			
LSD (.10)		9.3	12.7	13.6			
Error degrees of freedom		—	22	10			
CV (%)		—	15.1	16.5			
R^2 (%)		—	68	69			

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

Rainfall Summary

	Inches
May	2.40
June	5.00
July	4.00
August	2.10
September	10.80
October	9.00
Total	33.30

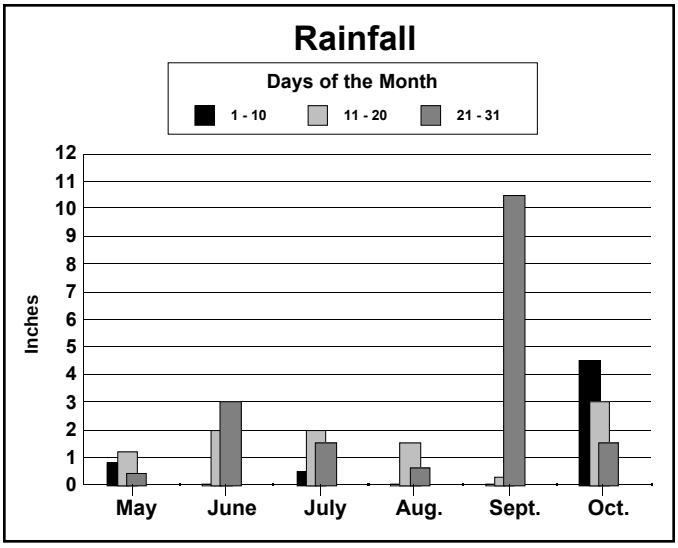

Table 57. Maturity Group V Early Soybeans Planted April 24, 2002 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5110S	DPL	67.5	60.3	69.1	09/10	35	4
Progeny 5120N	Progeny	54.2	64.6	67.6	09/12	24	1
Armor 52-C2	Armor	—	59.4	67.2	09/14	20	1
Progeny 5600	Progeny	72.6	58.9	66.4	09/16	18	1
A5427	Asgrow	—	—	64.7	09/10	23	1
DT97-6308 (E)	Public	—	—	54.9	09/14	22	1
Overall Mean		55.1	61.9	65.0			
LSD (.10)		6.6	12.7	13.2			
Error degrees of freedom		58	22	10			
CV (%)		8.8	14.7	13.7			
R^2 (%)		80	51	38			

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

Table 58. Maturity Group V Late Soybeans Planted April 24, 2002 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
9594	Pioneer	67.8	72.8	71.4	09/24	23	1
95B97	Pioneer	—	71.6	70.0	09/25	22	1
Hutcheson	Public	47.3	67.1	68.5	09/21	23	1
DK 5850	Delta King	—	—	68.3	09/16	20	1
DK 5995	Delta King	58.0	75.3	65.6	09/24	19	1
HBK 5991	Hornbeck	66.0	69.0	65.3	09/29	19	1
DP5989	DPL	51.8	68.6	65.2	09/24	26	1
DT96-6840 (E)	Public	58.3	69.1	62.4	09/20	22	1
Bolivar	Public	54.3	60.3	57.8	09/17	26	2
UARK-5896	Public	—	49.8	56.8	09/28	30	3
Overall Mean		54.5	67.0	65.1			
LSD (.10)		8.7	6.4	19.2			
Error degrees of freedom		66	30	18			
CV (%)		13.1	6.9	20.8			
R^2 (%)		92	80	18			

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

Table 59. Roundup Ready Maturity Group IV Early Soybeans Planted April 24, 2002 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4201	Asgrow	—	—	68.4	08/30	25	2
DK XTJ044RR (E)	Delta King	—	—	67.4	09/01	32	2
TV4589RR	Terral	50.4	46.8	62.1	08/30	28	1
DP 4690RR	DPL	59.4	53.4	62.0	09/04	30	3
AG4603	Asgrow	—	—	61.7	08/31	20	1
SS RT 4502N	Southern States	—	—	61.3	09/03	35	2
RC 4444	Croplan Genetics	—	52.5	61.1	09/02	34	1
Progeny 4401RR (E)	Progeny	—	—	60.5	08/31	27	1
DG 3463NRR	Dyna-Gro	47.4	49.2	59.4	08/25	32	2
SS RT446N	Southern States	53.1	46.4	58.1	08/29	30	2
DK XTJ041RR (E)	Delta King	—	—	56.9	08/28	23	1
DK XTJ046RR (E)	Delta King	—	—	55.7	08/29	27	1
DK XTJ301RR (E)	Delta King	—	—	55.5	09/03	29	1
4512RR/N	Garst	—	50.1	54.5	09/02	26	1
AG4702	Asgrow	61.3	57.6	54.3	09/02	29	1
Armor 44-R4	Armor	—	41.9	54.1	08/29	27	1
USG 7440nRR	USG	—	—	53.9	09/01	28	1
RC 4222	Croplan Genetics	—	—	53.9	08/27	25	1
NK S40-R9	NK	—	—	53.5	08/28	26	1
MorSoy RT4480	MorSoy	—	—	53.1	09/03	28	1
DP4344RR	DPL	38.8	46.5	53.1	08/27	32	4
DPX4431RR (E)	DPL	—	—	52.8	08/30	29	1
H4554RR	Hartz	—	41.7	52.6	09/01	31	1
DPX4527RR (E)	DPL	—	—	51.7	09/02	27	1
DPX4446RR (E)	DPL	—	—	51.4	09/01	26	1
DK 4461RR	Delta King	—	40.8	51.0	09/02	23	2
RC 4432	Croplan Genetics	—	—	50.9	09/03	29	1
AG4403	Asgrow	54.0	54.2	50.4	09/01	32	1
H4454RR	Hartz	—	—	50.2	09/01	24	2
Progeny 4303RR (E)	Progeny	—	—	49.6	09/02	27	2
DG 3443NRR	Dyna-Gro	—	50.5	49.5	09/01	25	1
Armor 44R5	Armor	—	—	49.2	08/30	22	1
94B13	Pioneer	—	—	47.9	08/30	28	1
DK XTJ040RR (E)	Delta King	—	—	44.5	08/30	26	1
Genesis C444RR	Genesis	—	—	43.7	09/02	25	1
HBK R4622	Hornbeck	—	—	42.4	09/04	17	1
Overall Mean		51.8	47.2	54.4			
LSD (.10)		10.0	8.9	11.0			
Error degrees of freedom		28	60	70			
CV (%)		14.0	13.8	14.8			
R^2 (%)		74	69	51			

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

Table 60. Roundup Ready Maturity Group IV Late Soybeans Planted April 24, 2002 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
SG498RR	DPL	67.1	67.4	77.8	09/07	22	2
SS RT 4902	Southern States	—	—	76.7	09/05	40	3
HBK R4820	Hornbeck	—	—	76.5	09/05	32	2
AG4902	Asgrow	56.0	52.9	75.5	09/04	31	2
DK XTJ302RR (E)	Delta King	—	—	75.2	09/08	30	1
DK XTJ048RR (E)	Delta King	—	—	74.9	09/02	29	2
RC 4992 (E)	Croplan Genetics	—	—	73.2	09/07	38	2
94B73	Pioneer	—	—	72.9	08/30	30	1
DPX4933RR (E)	DPL	—	—	72.7	09/03	35	3
MorSoy RT4809	MorSoy	71.7	54.6	72.3	09/06	31	2
DG 4860RR	Delta Grow	—	—	71.8	09/01	30	2
Progeny 4932RR (E)	Progeny	—	—	71.8	09/05	38	2
DK4868RR	Delta King	72.1	59.0	70.5	09/04	31	2
XR49N49 (E)	Garst	—	—	68.7	09/07	36	2
Armor 47-G7	Armor	—	—	68.5	08/30	29	1
TVX49R102 (E)	Terral	—	—	68.3	09/04	45	4
4888RR	AgriPro	—	—	67.9	09/05	35	3
4803RR	Dixie	63.3	56.9	67.9	09/07	34	3
SS RT517N	Southern States	—	—	67.7	09/08	23	1
HBK R4920	Hornbeck	52.0	64.1	67.5	09/07	27	3
FFR 4922	FFR	—	—	67.4	09/08	37	2
DG X419NRR (E)	Dyna-Gro	—	—	67.3	09/03	27	1
SS RT4980	Southern States	59.6	61.7	66.5	09/07	32	3
9492	Pioneer	56.9	58.6	66.4	09/03	32	2
DK 4763RR	Delta King	—	57.0	66.1	09/01	30	1
Armor 49-D9 (E)	Armor	—	—	65.2	09/03	28	1
RC4995	Croplan Genetics	—	63.4	65.2	09/08	37	3
FFR 4891	FFR	—	—	65.2	09/07	34	3
DPX4727RR (E)	DPL	—	—	64.8	09/03	26	1
DG 4950RR	Delta Grow	—	65.8	64.3	09/03	33	3
MorSoy RT4731	MorSoy	—	—	64.1	09/03	22	1
TVX47R102 (E)	Terral	—	—	61.5	09/04	29	1
94B74	Pioneer	—	—	60.9	09/02	23	2
TV4886RR	Terral	59.4	54.2	60.8	09/04	40	2
USG 7499nRR	USG	—	—	60.8	09/05	35	2
Progeny 4858RR	Progeny	—	58.7	60.4	09/07	32	2
TV4890RR	Terral	54.6	52.2	59.9	08/26	37	4
SS-RT 5001N	Southern States	—	—	58.7	09/12	30	1
DK4762RR	Delta King	55.8	46.5	58.4	09/05	36	3
DG 3484nRR	Dyna-Gro	61.4	50.6	58.1	09/05	33	1
Genesis A484RR	Genesis	51.1	52.0	57.6	09/04	25	1
DK4965RR	Delta King	58.1	55.0	56.9	09/04	29	1
AG4702	Asgrow	53.8	54.0	56.0	09/01	33	1
DK XTJ488RR (E)	Delta King	—	—	55.2	09/01	24	1
FFR 4712	FFR	—	—	53.0	09/04	25	1
NK X248R (E)	NK	—	—	51.7	09/09	32	1
ES Prairie RR	ES	52.7	55.0	49.7	09/13	32	4
Overall Mean		57.1	56.1	65.5			
LSD (.10)		8.7	8.1	7.5			
Error degrees of freedom		56	74	92			
CV (%)		11.1	10.6	8.4			
R^2 (%)		65	62	72			

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

Table 61. Roundup Ready Maturity Group V Early Soybeans Planted April 24, 2002 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 5366RR	Delta King	68.7	76.9	85.6	09/22	27	1
DK XTJ303RR (E)	Delta King	—	—	85.2	09/19	29	1
95B43	Pioneer	—	—	83.3	09/18	25	1
DG 3535NRR	Dyna-Gro	64.7	66.1	83.2	09/26	24	2
HBK R5620	Hornbeck	—	71.7	82.7	09/28	31	1
AG5701	Asgrow	67.5	68.1	81.5	09/21	22	2
TV56R11	Terral	—	68.0	81.0	09/28	33	1
95B53	Pioneer	59.8	71.9	80.9	09/27	23	1
Progeny 5660RR	Progeny	—	69.4	80.6	09/27	35	1
Armor 56-J6	Armor	—	—	80.1	09/29	35	1
AG5301	Asgrow	—	—	78.5	09/23	27	1
DPX5734RR (E)	DPL	—	—	78.3	09/19	29	1
DG 5630RR	Delta Grow	64.3	67.1	78.2	09/28	25	1
AG5501	Asgrow	60.7	68.7	77.9	09/20	22	1
DG 3562NRR	Dyna-Gro	64.3	66.2	77.1	09/18	26	3
DK 5668RR	Delta King	65.4	72.6	76.9	09/19	23	1
DK 5661RR	Delta King	61.9	65.3	76.9	09/19	23	1
Progeny 5250RR (E)	Progeny	—	—	76.7	09/15	18	1
SS RT557N	Southern States	50.9	71.6	76.5	09/17	30	1
NK S56-D7	NK	—	—	76.0	09/21	22	2
MorSoy RT5620	MorSoy	—	—	73.8	09/22	21	2
DP5644 RR	DPL	59.8	72.3	73.6	09/17	32	3
USG 540nRR	USG	56.7	65.1	72.5	09/25	24	1
SS RT 5302N	Southern States	—	—	71.4	09/17	23	1
DK XTJ053RR (E)	Delta King	—	—	71.3	09/19	24	1
Armor 53-K3	Armor	—	54.0	70.8	09/21	27	1
SS RT 540N	Southern States	—	—	70.7	09/15	26	1
DP5414RR	DPL	53.9	65.4	70.6	09/15	35	1
RC 5332 (E)	Croplan Genetics	—	—	70.4	09/18	33	1
DG 5350RR	Delta Grow	—	—	69.7	09/17	28	1
HBK R5422	Hornbeck	—	—	69.4	09/17	27	1
Armor 54-Z4	Armor	—	61.3	69.3	09/29	25	1
5512RR/N	Garst	—	60.7	68.9	09/29	25	1
95B42	Pioneer	—	—	68.9	09/19	35	2
H5223RR	Hartz	—	—	68.7	09/19	21	1
MorSoy RT5252 (E)	MorSoy	—	—	68.4	09/17	22	1
Progeny 5415RR	Progeny	—	61.2	68.4	09/20	20	1
NK S52-U3	NK	—	—	67.8	09/15	24	1
DK 5465RR	Delta King	46.4	64.1	67.6	09/28	22	1
DK XTJ053RR (E)	Delta King	—	—	66.9	09/18	23	1
TV54R11	Terral	—	64.2	66.6	09/28	23	1
DK XTJ051RR (E)	Delta King	—	—	66.4	09/19	26	1
TV52R42	Terral	53.7	56.4	66.2	09/16	31	1
USG 7522nRR	USG	—	—	65.2	09/16	31	2
MorSoy RT5440	MorSoy	—	—	64.7	09/24	17	1
MorSoy RT5442 (E)	MorSoy	—	—	64.5	09/19	25	1
Progeny 5001RR (E)	Progeny	—	—	63.9	09/09	40	2
HBK R5101	Hornbeck	—	—	63.9	09/22	46	3
Progeny 5440RR (E)	Progeny	—	—	63.2	09/15	29	3
Progeny 5580RR (E)	Progeny	—	—	61.6	09/18	23	1
RC 5252	Croplan Genetics	—	66.5	61.3	09/22	27	1
H5444RR	Hartz	—	—	60.7	09/30	26	1
AG5603	Asgrow	—	60.0	60.4	09/24	18	1
TV 5666RR	Terral	51.8	57.7	60.2	09/28	24	2
DG 5450RR	Delta Grow	—	56.7	58.8	09/30	19	1
AXR 5135 (E)	Armor	—	—	58.1	09/10	35	3
USG 510nRR	USG	—	—	57.8	09/19	32	1
Genesis C514RR	Genesis	—	—	57.2	09/29	27	1
USG 7547RR	USG	40.8	67.0	57.2	09/17	24	3
DG 5250RR	Delta Grow	—	61.8	56.5	09/29	26	1
TV5486RR	Terral	43.6	51.4	38.5	09/20	41	4
Overall Mean		53.1	62.4	70.0			
LSD (.10)		8.1	10.3	9.5			
Error degrees of freedom		82	116	120			
CV (%)		11.3	12.3	10.0			
R^2 (%)		74	58	72			

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

Table 62. Roundup Ready Maturity Group V Late Soybeans Planted April 24, 2002 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 3583NRR	Dyna-Gro	—	—	85.2	09/30	26	1
DG 5960RR	Delta Grow	—	—	82.3	09/28	23	1
AG5701	Asgrow	60.5	68.0	80.3	09/23	23	1
USG 570nRR	USG	—	66.7	80.1	10/01	29	1
DK XTJ053RR (E)	Delta King	—	—	79.9	09/25	23	1
Progeny 5822RR	Progeny	—	—	79.6	09/29	24	1
95B96	Pioneer	—	75.3	79.2	09/22	32	1
DP5915RR	DPL	54.6	72.0	78.4	10/01	28	2
USG 7582nRR (E)	USG	—	—	77.8	10/01	28	1
AG5903	Asgrow	—	—	77.4	09/24	32	2
TV58R11	Terral	—	63.4	76.3	09/23	28	1
H5887RR	Hartz	—	—	75.8	09/23	32	2
SS RT 5702N	Southern States	—	—	75.3	09/18	38	2
TVX58R102 (E)	Terral	—	—	73.6	09/18	32	2
TVX58R104 (E)	Terral	—	—	72.7	09/22	31	2
DK 5961RR	Delta King	42.7	58.7	72.3	10/01	30	2
TV59R85	Terral	50.7	60.7	71.5	09/29	28	1
HBK R6020	Hornbeck	57.1	60.6	71.2	10/02	32	2
99VPI-67 (E)	Public	—	—	69.7	09/15	27	1
S59-V6RR	NK	66.6	57.5	69.3	09/18	31	3
XR59N24 (E)	Garst	—	—	68.6	09/24	35	2
DG 5950RR	Delta Grow	56.6	53.8	68.5	09/24	27	1
ES XVT46RR (E)	Eagle Seed	—	—	67.9	09/29	33	1
SS RT 5999N	Southern States	60.8	64.7	67.7	09/21	34	2
Progeny 5811RR	Progeny	—	—	67.5	09/25	31	2
Progeny 5900RR	Progeny	58.2	58.7	67.2	09/26	31	1
99VPI-120 (E)	Public	—	—	66.7	09/20	25	1
MorSoy RT5900	MorSoy	—	—	65.7	09/27	32	1
TV59R98	Terral	—	53.0	63.6	09/29	27	2
DP5806 RR	DPL	51.2	53.2	62.7	09/28	31	4
HBK R5820	Hornbeck	—	59.5	58.7	09/28	29	3
ES Marshal RR	ES	44.7	36.1	44.6	09/24	28	1
Overall Mean		51.4	59.8	71.8			
LSD (.10)		7.2	5.9	6.4			
Error degrees of freedom		74	66	62			
CV (%)		10.4	7.3	6.5			
R^2 (%)		88	81	82			

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

Location 5. Mississippi State University, Starkville

Location Summary

The plot area was do-alled and planted into good soil moisture. Soybeans emerged to a near-perfect stand, followed by good plant growth. Favorable rainfall throughout the growing season increased the potential for above-average yields. Maturity groups III and IV were harvested in a timely manner, but due to an extended period of rainfall in September and October, the Group V and VI tests were not harvested.

Soil type ..... **Leeper silty clay**
Soil pH **7.8**
Soil fertility ..... **P=M; K=L**
Fertilizer added ..... **0-46-60 @ 100 lb/A**
Herbicide application ..... **Preemergence — Conventional – Squadron @ 3 pt/A (May 2)**
Postemergence — Conventional – Storm @ 1.5 pt/A + Select @ 10 oz/A + COC (May 24)
First Rate @ 0.3 oz/A + COC (June 5)
Postemergence — Roundup Ready – Roundup Ultra Max @ 20 oz/A (May 10 & June 5)
Roundup Ultra Max @ 24 oz/A (May 24)
Planting date ..... **May 1**
Harvest date ..... **Group III — August 27**
Group IV E RR — September 9
Group IV & V E Conventional & Group IV L RR — September 16
Group V L Conventional & Group V E & V L RR — Did not harvest
Group VI RR — Did not harvest

Table 63. Maturity Group IV Soybeans Planted May 1, 2002 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DP4748S	DPL	46.8	43.2	52.7	09/11	44	3
DT98-9102 (E)	Public	—	—	52.3	09/16	30	1
HBK 4891	Hornbeck	42.8	43.8	52.3	09/16	38	2
DT98-7278 (E)	Public	—	—	52.1	09/06	27	1
Progeny 4910	Progeny	42.5	39.5	50.9	09/11	41	2
HBK 4944CX	Hornbeck	—	—	38.4	09/11	46	2
Overall Mean		34.4	40.2	49.8			
LSD (.10)		5.2	7.1	5.3			
Error degrees of freedom		—	22	10			
CV (%)		—	12.5	7.2			
R^2 (%)		—	82	79			

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

Table 64. Maturity Group V Early Soybeans Planted May 1, 2002 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5110S	DPL	42.5	46.1	56.7	09/13	44	2
Progeny 5600	Progeny	37.6	55.1	56.6	09/16	31	2
Armor 52-C2	Armor	—	49.4	55.0	09/16	29	2
DT97-6308 (E)	Public	—	—	54.3	09/13	29	1
Progeny 5120N	Progeny	34.2	53.5	52.7	09/16	34	1
A5427	Asgrow	—	—	48.9	09/13	26	1
Overall Mean		36.5	49.0	54.0			
LSD (.10)		6.8	4.4	7.0			
Error degrees of freedom		57	22	10			
CV (%)		13.7	6.4	8.7			
R^2 (%)		72	88	40			

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

Rainfall Summary

	Inches
May	**3.54**
June	**0.63**
July	**5.51**
August	**2.63**
Sept	**9.27**
Total	**21.58**

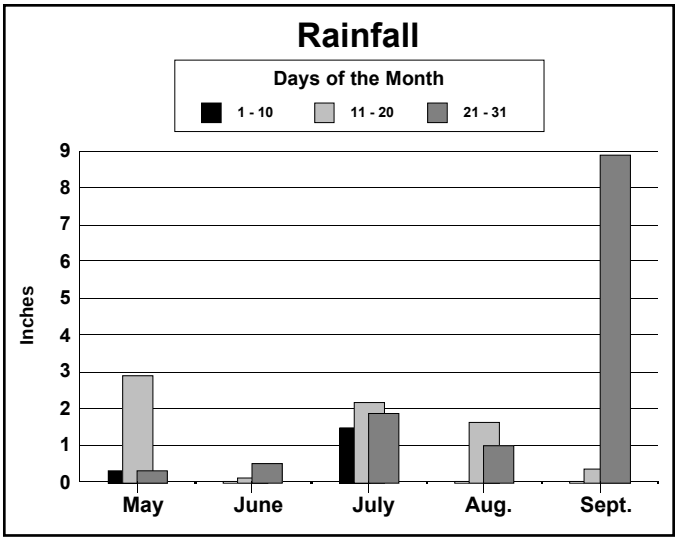

Table 65. Roundup Ready Maturity Group III Soybeans Planted May 1, 2002 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DPX3940RR (E)	DPL	—	—	53.2	08/23	32	1
SS RT 3975	Southern States	—	—	50.4	08/23	34	1
Armor 39-E9	Armor	—	—	49.7	08/23	24	1
DK 3968RR	Delta King	—	58.3	48.7	08/21	27	1
AG3702	Asgrow	—	56.9	48.2	08/23	29	1
DK 3964RR	Delta King	—	53.3	48.0	08/21	36	1
DK 3961RR	Delta King	—	46.4	47.4	08/23	33	2
DPX3761RR (E)	DPL	—	—	47.3	08/19	28	1
SS RT 3502	Southern States	—	—	46.6	08/21	31	1
DK 3862RR	Delta King	—	54.9	46.4	08/23	29	1
DPX3819RR (E)	DPL	—	—	46.2	08/23	38	1
AG3902	Asgrow	—	52.6	46.1	08/23	27	1
TVX39R201 (E)	Terral	—	—	44.0	08/27	28	1
NK S39-Q4	NK	—	—	42.7	08/23	31	1
AG3903	Asgrow	—	49.5	41.7	08/23	36	1
HBK R3980	Hornbeck	—	—	41.1	08/23	28	1
HBK XR390-02 (E)	Hornbeck	—	—	41.1	08/23	33	1
DK XTJ033RR (E)	Delta King	—	—	40.9	08/16	30	1
SS RT 3702	Southern States	—	—	40.0	08/27	28	1
H3090RR	Hartz	—	—	39.2	08/23	29	1
MorSoy RT3881	MorSoy	—	—	36.7	08/21	33	1
Overall Mean		—	52.6	45.0			
LSD (.10)		—	10.9	8.2			
Error degrees of freedom		—	20	40			
CV (%)		—	14.8	13.2			
R^2 (%)		—	40.5	62			

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

Table 66. Roundup Ready Maturity Group IV Early Soybeans Planted May 1, 2002 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ046RR (E)	Delta King	—	—	48.4	09/03	36	1
AG4603	Asgrow	—	—	48.0	09/06	31	1
AG4702	Asgrow	—	26.0	46.9	09/06	32	1
RC 4444	Croplan Genetics	—	28.0	44.3	09/06	36	1
Armor 44R5	Armor	—	—	43.2	09/06	26	1
DPX4431RR (E)	DPL	—	—	41.7	09/03	31	1
DP4344RR	DPL	—	28.9	41.3	08/27	39	1
DK XTJ044RR (E)	Delta King	—	—	41.0	09/03	32	1
H4454RR	Hartz	—	—	40.7	09/06	35	1
Genesis C444RR	Genesis	—	—	40.6	09/06	36	1
SS RT446N	Southern States	—	28.7	40.5	09/06	37	1
DK XTJ301RR (E)	Delta King	—	—	40.5	09/06	33	1
DP 4690RR	DPL	—	34.3	40.5	09/09	37	1
DK XTJ041RR (E)	Delta King	—	—	40.2	08/27	28	1
DPX4446RR (E)	DPL	—	—	40.2	09/06	32	1
DG 3463NRR	Dyna-Gro	—	28.6	40.0	09/06	36	1
Progeny 4401RR (E)	Progeny	—	—	39.9	09/06	32	1
Progeny 4303RR (E)	Progeny	—	—	39.1	09/03	39	1
HBK R4622	Hornbeck	—	—	39.0	09/06	27	1
RC 4222	Croplan Genetics	—	—	38.8	09/03	27	1
DK 4461RR	Delta King	—	28.7	38.8	09/06	32	1
AG4403	Asgrow	—	35.1	38.6	09/06	35	1
TV4589RR	Terral	—	26.8	38.5	08/27	34	1
MorSoy RT4480	MorSoy	—	—	37.4	09/06	33	1
H4554RR	Hartz	—	19.9	37.1	09/06	29	1
DG 3443NRR	Dyna-Gro	—	33.5	36.8	09/06	34	1
DK XTJ040RR (E)	Delta King	—	—	35.3	08/27	32	1
SS RT 4502N	Southern States	—	—	35.2	09/06	35	1
AG4201	Asgrow	—	—	35.1	09/06	29	1
USG 7440nRR	USG	—	—	34.8	09/06	38	1
RC 4432	Croplan Genetics	—	—	34.3	09/03	34	1
DPX4527RR (E)	DPL	—	—	33.7	09/03	25	1
Armor 44-R4	Armor	—	23.0	32.9	09/06	26	1
4512RR/N	Garst	—	29.8	32.9	09/06	29	1
94B13	Pioneer	—	—	32.1	08/27	32	1
NK S40-R9	NK	—	—	23.3	09/06	28	1
Overall Mean		—	24.8	38.7			
LSD (.10)		—	7.1	7.1			
Error degrees of freedom		—	60	70			
CV (%)		—	21.0	13.4			
R^2 (%)		—	72	61			

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

Table 67. Roundup Ready Maturity Group IV Late Soybeans Planted May 1, 2002 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ048RR (E)	Delta King	—	—	59.6	09/06	35	2
SS RT517N	Southern States	45.8	47.6	58.1	09/16	33	1
SS-RT 5001N	Southern States	—	51.6	56.7	09/11	31	1
94B73	Pioneer	—	24.6	56.3	09/03	31	1
DK XTJ302RR (E)	Delta King	—	—	56.1	09/06	38	1
94B74	Pioneer	—	—	55.1	09/06	39	1
NK X248R (E)	NK	—	—	55.0	09/11	41	1
DG 4950RR	Delta Grow	—	50.2	54.7	09/16	42	2
AG4902	Asgrow	46.1	45.5	54.7	09/06	31	1
HBK R4820	Hornbeck	—	28.4	54.3	09/11	35	1
FFR 4712	FFR	—	—	54.1	09/11	39	2
MorSoy RT4809	MorSoy	45.9	42.3	53.7	09/06	38	2
SS RT 4902	Southern States	—	—	53.7	09/16	45	2
Progeny 4932RR (E)	Progeny	—	—	53.5	09/03	38	1
SS RT4980	Southern States	37.9	50.8	52.8	09/11	41	2
9492	Pioneer	41.8	42.4	52.3	09/06	29	1
Armor 47-G7	Armor	—	22.8	51.8	09/16	32	1
DPX4933RR (E)	DPL	—	—	51.3	09/11	42	2
FFR 4922	FFR	—	—	51.2	09/16	44	2
SG498RR	DPL	32.5	47.2	51.2	09/16	37	2
FFR 4891	FFR	—	—	50.9	09/16	47	2
DK4868RR	Delta King	44.0	50.9	50.3	09/06	39	1
DG X419NRR (E)	Dyna-Gro	—	—	50.1	09/06	34	1
DK 4763RR	Delta King	—	38.6	49.9	09/06	34	1
4803RR	Dixie	36.0	44.4	49.7	09/11	44	2
Armor 49-D9 (E)	Armor	—	—	49.6	09/16	31	1
DK XTJ488RR (E)	Delta King	—	—	49.5	09/03	28	1
USG 7499nRR	USG	—	—	49.4	09/06	38	2
DG 4860RR	Delta Grow	—	—	48.9	09/03	32	1
Progeny 4858RR	Progeny	—	38.0	48.6	09/11	36	2
HBK R4920	Hornbeck	35.6	51.6	48.5	09/16	42	2
TV4890RR	Terral	40.8	38.9	48.4	09/03	34	1
TV4886RR	Terral	33.0	40.9	48.2	09/06	48	2
DPX4727RR (E)	DPL	—	—	48.0	09/03	30	1
XR49N49 (E)	Garst	—	—	47.8	09/11	40	2
Genesis A484RR	Genesis	36.8	43.9	47.8	09/06	42	2
RC4995	Croplan Genetics	—	48.2	47.8	09/16	44	2
MorSoy RT4731	MorSoy	—	—	47.5	09/03	30	1
AG4702	Asgrow	45.4	44.4	47.4	09/06	35	1
RC 4992 (E)	Croplan Genetics	—	—	47.2	09/16	42	2
DK4965RR	Delta King	48.5	37.9	47.2	09/16	36	1
TVX47R102 (E)	Terral	—	—	47.1	09/16	47	2
TVX49R102 (E)	Terral	—	—	46.1	09/11	50	2
DK4762RR	Delta King	40.9	41.7	45.3	09/11	46	2
ES Prairie RR	ES	34.6	47.9	44.8	09/03	44	3
4888RR	Garst	—	27.9	44.4	09/03	43	2
DG 3484nRR	Dyna-Gro	43.0	39.4	44.2	09/06	35	2
Overall Mean		38.3	44.4	50.7			
LSD (.10)		10.4	6.3	6.1			
Error degrees of freedom		56	74	92			
CV (%)		19.9	10.4	8.8			
R^2 (%)		53	72	56			

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

Location 6. Jim Towell Farm, Warren County

Location Summary

Soybeans were planted into good soil moisture. The plot area was disked and do-alled prior to planting. Soybeans emerged to a good stand and grew off well. Soil moisture was adequate throughout the growing season, with little stress on the crop. Aerial Web Blight infestations were noted on all plots and disease ratings were taken. The extremely wet fall delayed harvest. This delay, combined with Aerial Web Blight and some deer damage, resulted in the loss of the MG IV tests.

Soil type ..... **Loring silt loam**
Soil pH **6.1**
Soil fertility ..... **P=M; K=M+**
Fertilizer added ..... **None**

Herbicide application ..... **Preemergence — Conventional – Squadron @ 3 pt/A (May 16)**
Postemergence — Conventional – Classic @ 0.5 oz/A + NIS (June 4 & 19)
Postemergence — Roundup Ready – Roundup Ultra Max @ 26 oz/A (June 4 & 19)

Insecticide application ..... **None**
Planting date ..... **May 16**
Harvest date ..... **October 16**

Table 68. Maturity Group V Early Soybeans Planted May 16, 2002 (Oakridge, Warren County).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5110S	DPL	22.4	57.6	17.8	—	37	4
A5427	Asgrow	—	—	17.3	—	19	1
Progeny 5120N	Progeny	16.5	52.7	16.9	—	22	1
Progeny 5600	Progeny	18.6	56.3	13.9	—	23	1
DT97-6308 (E)	Public	—	—	12.8	—	18	1
Armor 52-C2	Armor	—	53.6	12.0	—	17	1
Overall Mean		18.1	53.1	15.1			
LSD (.10)		5.4	9.0	3.9			
Error degrees of freedom		58	22	10			
CV (%)		22.1	12.1	17.6			
R^2 (%)		71	76	81			

[1]Loring silt loam soil. (E) = Experimental.
[2]Maturity dates not taken.

Rainfall Summary

	Inches
May	**4.37**
June	**4.51**
July	**1.25**
August	**1.66**
September	**8.08**
October	**10.29**
Total	**30.16**

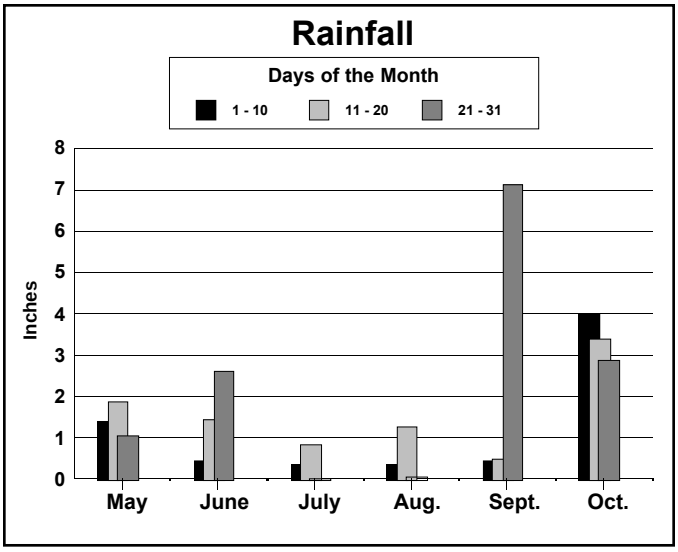

Table 69. Maturity Group V Late Soybeans Planted May 16, 2002 (Oakridge, Warren County).[1]

Variety	Brand	Yield			Maturity date[3]	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
UARK-5896	Public	—	55.0	23.1	—	22	1
DT96-6840 (E)	Public	—	41.9	21.5	—	25	4
9594	Pioneer	—	64.6	20.8	—	22	1
95B97	Pioneer	—	59.1	18.3	—	21	1
Bolivar	Public	—	48.6	16.7	—	26	1
DP5989	DPL	—	53.3	14.6	—	28	3
DK 5995	Delta King	—	59.7	14.2	—	19	1
Hutcheson	Public	—	56.2	13.8	—	19	1
DK 5850	Delta King	—	—	13.4	—	20	1
HBK 5991	Hornbeck	—	58.1	11.3	—	18	1
Overall Mean		—	55.8	16.8			
LSD (.10)		—	11.1	5.4			
Error degrees of freedom		—	30	18			
CV (%)		—	14.3	22.6			
R^2 (%)		—	45	77			

[1]Loring silt loam soil. (E) = Experimental.
[2]No yields in 2000.
[3]Maturity dates not taken.

Table 70. Roundup Ready Maturity Group V Early Soybeans Planted May 16, 2002 (Oakridge, Warren County).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2000	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5414RR	DPL	17.5	52.0	31.6	—	36	2
AG5501	Asgrow	15.1	66.6	24.2	—	25	1
5512RR/N	Garst	—	52.1	24.2	—	22	1
DK 5366RR	Delta King	15.4	56.4	24.0	—	32	1
NK S56-D7	NK	—	—	23.7	—	30	1
95B53	Pioneer	19.3	59.8	23.5	—	29	1
TV 5666RR	Terral	14.7	46.1	23.2	—	18	1
SS RT 5302N	Southern States	—	—	23.1	—	21	1
Armor 56-J6	Armor	—	—	23.0	—	29	2
DP5644 RR	DPL	16.0	69.8	22.5	—	29	1
DK 5661RR	Delta King	21.7	62.1	22.1	—	20	1
Armor 54-Z4	Armor	—	63.0	21.4	—	24	1
DK 5465RR	Delta King	19.0	64.7	21.4	—	31	1
TV56R11	Terral	—	53.3	21.3	—	33	2
SS RT557N	Southern States	18.5	49.3	21.1	—	26	1
MorSoy RT5440	MorSoy	—	—	21.1	—	26	1
MorSoy RT5252	MorSoy	—	—	21.0	—	19	1
Progeny 5415RR	Progeny	—	59.4	21.0	—	21	1
DK 5668RR	Delta King	15.7	55.0	20.7	—	25	1
NK S52-U3	NK	—	—	20.6	—	21	1
DG 3562NRR	Dyna-Gro	20.3	47.5	20.5	—	24	1
95B42	Pioneer	—	—	20.5	—	24	1
TV54R11	Terral	—	59.0	20.4	—	22	1
DK XTJ303RR (E)	Delta King	—	—	20.2	—	23	1
USG 540nRR	USG	22.9	59.5	20.2	—	18	1
HBK R5620	Hornbeck	—	52.9	20.1	—	31	2
Progeny 5660RR	Progeny	—	54.8	19.9	—	25	1
AG5701	Asgrow	15.7	57.2	19.8	—	32	1
DG 5450RR	Delta Grow	—	56.2	19.5	—	19	1
DG 5350RR	Delta Grow	—	—	19.5	—	26	1
USG 7547RR	USG	14.4	53.5	19.2	—	23	1
DG 5630RR	Delta Grow	14.4	61.2	18.7	—	31	1
RC 5252 (E)	Croplan Genetics	—	67.6	18.6	—	18	1
DG 5250RR	Delta Grow	—	69.7	18.4	—	24	1
Armor 53-K3	Armor	—	59.8	17.9	—	19	1
MorSoy RT5620	MorSoy	—	—	17.6	—	21	1
H5223RR	Hartz	—	—	17.6	—	19	1
H5444RR	Hartz	—	—	17.5	—	21	1
95B43	Pioneer	—	—	17.3	—	25	1
DPX5734RR (E)	DPL	—	—	17.3	—	26	1
TV5486RR	Terral	11.9	39.2	16.9	—	39	3
Progeny 5250RR (E)	Progeny	—	—	16.8	—	18	1
RC 5332 (E)	Croplan Genetics	—	—	16.8	—	18	1
USG 510nRR	USG	—	—	16.4	—	23	1
DG 3535NRR	Dyna-Gro	20.5	55.7	16.3	—	33	1
HBK R5422	Hornbeck	—	—	16.2	—	26	1
Progeny 5580RR (E)	Progeny	—	—	16.1	—	20	1
USG 7522nRR	USG	—	—	15.5	—	23	1
DK XTJ051RR (E)	Delta King	—	—	15.3	—	17	1
MorSoy RT5442 (E)	MorSoy	—	—	14.4	—	21	1
TV52R42	Terral	14.8	52.4	14.2	—	27	1
SS RT 540N	Southern States	—	—	14.0	—	18	1
AG5603	Asgrow	—	56.5	13.7	—	20	1
DK XTJ053RR (E)	Delta King	—	—	12.8	—	21	1
AG5301	Asgrow	—	—	12.1	—	17	1
Progeny 5440RR (E)	Progeny	—	—	11.9	—	29	2
Genesis C514RR	Genesis	—	—	11.3	—	18	1
AXR 5135 (E)	Armor	—	—	11.2	—	31	3
DK XTJ053RR (E)	Delta King	—	—	11.1	—	20	1
Progeny 5001RR (E)	Progeny	—	—	9.3	—	34	3
HBK R5101	Hornbeck	—	—	9.0	—	32	4
Overall Mean		15.2	55.1	18.5			
LSD (.10)		7.8	8.4	7.0			
Error degrees of freedom		82	116	120			
CV (%)		37.6	11.2	28.1			
R^2 (%)		66	68	56			

[1]Loring silt loam soil. (E) = Experimental.
[2]Maturity dates not taken.

Table 71. Roundup Ready Maturity Group V Late Soybeans Planted May 16, 2002 (Oakridge, Warren County).[1]

Variety	Brand	Yield			Maturity date[3]	Plant height	Lodging score
		2000[2]	2001	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 7582nRR (E)	USG	—	—	29.8	—	33	3
TV58R11	Terral	—	45.8	29.2	—	35	2
DK XTJ053RR	Delta King	—	—	28.9	—	24	1
DG 3583NRR	Dyna-Gro	—	—	27.6	—	31	1
ES XVT46RR (E)	Eagle Seed	—	—	27.5	—	33	2
DG 5960RR	Delta Grow	—	—	26.6	—	27	1
TVX58R102 (E)	Terral	—	—	26.5	—	33	1
95B96	Pioneer	—	51.6	25.1	—	28	2
DP5806 RR	DPL	—	52.3	24.9	—	26	2
AG5903	Asgrow	—	—	24.0	—	24	1
DP5915RR	DPL	—	55.3	23.6	—	23	1
Progeny 5822RR	Progeny	—	—	23.4	—	31	1
AG5701	Asgrow	—	57.1	22.2	—	33	2
S59-V6RR	NK	—	47.0	22.1	—	23	1
99VPI-67 (E)	Public	—	—	21.7	—	24	1
DG 5950RR	Delta Grow	—	54.7	21.7	—	34	3
HBK R5820	Hornbeck	—	48.6	21.6	—	36	2
TV59R85 (E)	Terral	—	45.3	21.5	—	32	3
XR59N24 (E)	Garst	—	—	21.5	—	34	3
Progeny 5811RR	Progeny	—	—	21.3	—	26	1
TV59R98	Terral	—	48.7	21.3	—	34	3
99VPI-120 (E)	Public	—	—	20.8	—	28	1
USG 570nRR	USG	—	49.6	20.3	—	27	2
SS RT 5999N	Southern States	—	52.8	19.9	—	26	1
HBK R6020	Hornbeck	—	45.0	19.2	—	28	1
TVX58R104 (E)	Terral	—	—	19.0	—	24	1
MorSoy RT5900	MorSoy	—	—	18.0	—	33	2
Progeny 5900RR	Progeny	—	54.0	17.7	—	27	1
SS RT 5702N	Southern States	—	—	17.5	—	29	1
H5887RR	Hartz	—	—	16.5	—	25	1
ES Marshal RR	ES	—	27.3	14.3	—	26	2
DK 5961RR	Delta King	—	54.8	13.4	—	25	2
Overall Mean		—	49.5	22.1			
LSD (.10)		—	11.1	6.9			
Error degrees of freedom		—	66	62			
CV (%)		—	16.5	22.9			
R^2 (%)		—	51	55			

[1]Loring silt loam soil. (E) = Experimental.
[2]Maturity dates not taken.
[3]Not planted in 2000.

Mississippi River Test, Guedon Farms, Natchez

Location Summary

The Mississippi River rose to 52 feet at Natchez in late June, causing flooding to many agricultural fields along the river. Flood waters receded about 2 weeks prior to planting. The field was in good shape at planting and had excellent moisture, providing conditions for fast emergence and optimum growth. Soybeans were planted no-till into cotton stalks left from the previous crop. Rainfall was abundant throughout the growing season. Some damage from wild hogs was incurred in the earlier maturing soybeans.

Soil type . . . . . **Memphis silt loam**
Soil pH **6.0**
Soil fertility . . . . . **P=M; K=M+**
Fertilizer added . . . . . **K_2O @ 90 lb/A + P_2O_5 @ 40 lb/A**

Herbicide application . . . . . **Preemergence — Roundup Ultra Max @ 26 oz/A**
Postemergence — Roundup Ultra Max @ 25.6 oz/A (2 applications)

Planting date . . . . . **July 2**
Harvest date . . . . . **November 14**

Table 72. Roundup Ready Maturity Group IV Late Soybeans Planted July 2, 2002 (Natchez, Adams County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001[2]	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4920	Hornbeck	—	—	25.7	10/18	28	—
4888RR	AgriPro	—	—	24.4	10/18	25	—
9492	Pioneer	—	—	24.4	10/18	27	—
SG498RR	DPL	—	—	23.3	10/24	26	—
MorSoy RT4809	MorSoy	—	—	21.6	10/24	24	—
DK4868RR	Delta King	—	—	16.2	10/18	30	—
Genesis A484RR	Genesis	—	—	15.3	10/18	26	—
TV4886RR	Terral	—	—	13.2	10/18	29	—
Overall Mean		—	—	20.5			
LSD (.10)		—	—	5.6			
Error degrees of freedom		—	—	14			
CV (%)		—	—	18.9			
R^2 (%)		—	—	72			

[1]Memphis silt loam soil. All are released varieties.
[2]No 2- or 3-year averages.

Rainfall Summary

	Inches
July	8.20
August	4.97
September	17.91
October	3.57
Total	34.65

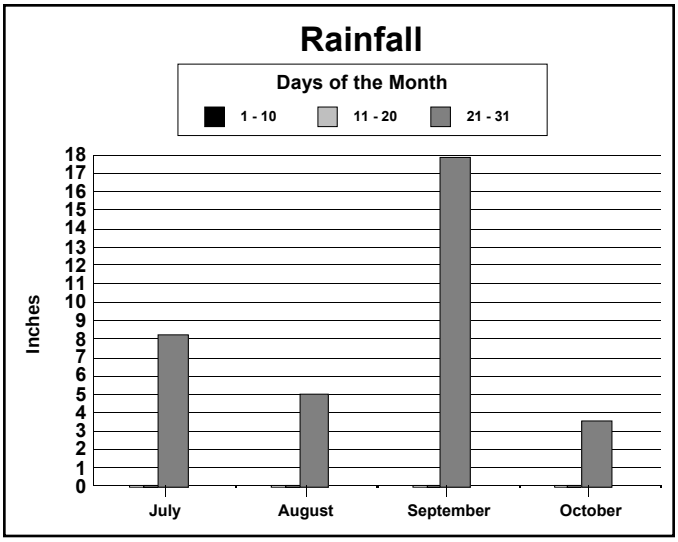

Table 73. Roundup Ready Maturity Group V Early Soybeans Planted July 2, 2002 (Natchez, Adams County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001[2]	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
95B53	Pioneer	—	—	27.0	10/24	19	—
DK 5366RR	Delta King	—	—	27.0	10/24	20	—
DG 3535NRR	Dyna-Gro	—	—	24.9	10/24	21	—
SS RT517N	Southern States	—	—	23.0	10/24	24	—
Overall Mean		—	—	25.5			
LSD (.10)		—	—	4.6			
Error degrees of freedom		—	—	6			
CV (%)		—	—	11.4			
R^2 (%)		—	—	59			

[1]Memphis silt loam soil. All are released varieties.
[2]No 2- or 3-year averages.

Table 74. Roundup Ready Maturity Group V Late Soybeans Planted July 2, 2002 (Natchez, Adams County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2000[2]	2001[2]	2002			
		bu/A	*bu/A*	*bu/A*		*in*	
ES Marshal RR	ES	—	—	41.1	10/31	27	—
S59-V6RR	NK	—	—	34.6	10/24	23	—
TV59R85	Terral	—	—	34.4	10/24	22	—
DP5915RR	DPL	—	—	33.2	10/24	26	—
HBK R6020	Hornbeck	—	—	32.9	10/31	22	—
AG5701	Asgrow	—	—	29.1	10/31	24	—
Progeny 5900RR	Progeny	—	—	28.2	10/24	26	—
DG 5950RR	Delta Grow	—	—	27.2	10/24	25	—
Overall Mean		—	—	32.6			
LSD (.10)		—	—	6.1			
Error degrees of freedom		—	—	14			
CV (%)		—	—	13.1			
R^2 (%)		—	—	64			

[1]Memphis silt loam soil. All are released varieties.
[2]No 2- or 3-year averages.

Plant Characteristics

Table 75. 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			*%*	*%*
DP4748S	DPL	white	tawny	brown	black	2700	I	4.7	35.5	20.6
HBK 4891	Hornbeck	purple	lt. tawny	brown	black	3600	I	4.7	35.5	20.7
HBK 4944CX	Hornbeck	w/p	gray	brown	black	2900	I	4.8	34.4	21.4
Progeny 4910	Progeny	white	gray	tan	imp black	3000	I	4.9	34.5	20.8
DT98-7278 (E)	Public	white	tawny	tan	brown	3000	I	4.8	35.5	20.4
DT98-9102 (E)	Public	white	gray	tan	buff	3100	I	4.8	34.7	20.8

[1](E) = Experimental.
[2]Represents an average number of seed per pound; seed 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 76. 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	3000	5.2	35.3	20.4
A5427	Asgrow	white	tawny	gray	buff	3800	5.4	36.0	20.7
DP5110S	DPL	white	tawny	tan	black	2900	4.9	36.2	20.3
Progeny 5120N	Progeny	purple	tawny	tan	buff	2600	5.1	36.0	20.5
Progeny 5600	Progeny	purple	tawny	tan	imp black	2800	5.6	35.4	20.6
DT97-6308 (E)	Public	white	gray	tan	brown	3900	5.1	35.1	20.3

[1](E) = Experimental.
[2]Represents an average number of seed per pound; seed 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 77. 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		*%*	*%*
DK 5850	Delta King	white	tawny	tan	black	3000	5.8	36.0	20.3
DK 5995	Delta King	white	gray	tan	imp black	3200	5.9	35.7	20.2
DP5989	DPL	white	tawny	tan	black	2800	5.9	35.1	21.1
HBK 5991	Hornbeck	white	tan	tan	black	3000	5.9	35.3	20.2
9594	Pioneer	white	gray	tan	buff	2500	5.9	35.5	20.5
95B97	Pioneer	purple	tawny	tan	imp black	2900	5.9	35.3	20.8
Bolivar	Public	purple	tawny	tan	black	3600	5.8	35.7	20.4
DT96-6840 (E)	Public	white	gray	tan	buff	3400	5.8	35.7	20.5
Hutcheson	Public	white	gray	tan	buff	2600	5.7	35.1	20.8
UARK-5896	Public	purple	tawny	tan	brown	3300	5.8	35.5	20.3

[1](E) = Experimental.
[2]Represents an average number of seed per pound; seed 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 78. 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		*%*	*%*
Armor 39-E9	Armor	white	gray	tan	buff	2800	3.9	36.3	21.0
AG3702	Asgrow	purple	gray	gray	imp black	3800	3.7	36.8	20.5
AG3902	Asgrow	purple	gray	tan	imp black	3300	3.9	36.9	20.4
AG3903	Asgrow	white	tawny	tan	black	3400	3.9	36.4	20.5
DK 3862RR	Delta King	purple	tawny	tan	black	2800	3.8	36.8	20.9
DK 3961RR	Delta King	purple	tawny	tan	black	3000	3.9	36.9	20.3
DK 3964RR	Delta King	purple	tawny	tan	black	3500	3.9	36.3	20.9
DK 3968RR	Delta King	white	gray	gray	buff	2900	3.9	36.1	21.1
DK XTJ033RR (E)	Delta King	purple	gray	gray	black	2500	3.3	36.2	20.7
DPX3761RR (E)	DPL	purple	gray	tan	imp black	2700	3.7	36.3	20.6
DPX3819RR (E)	DPL	white	tawny	tan	black	2900	3.8	36.3	20.8
DPX3940RR (E)	DPL	purple	tawny	tan	black	2600	3.8	36.3	21.1
H3090RR	Hartz	white	brown	tan	brown	3000	3.0	36.1	20.9
HBK R3980	Hornbeck	white	tawny	tan	black	2600	3.9	36.9	20.1
HBK XR390-02 (E)	Hornbeck	purple	lt. tawny	tan	black	2900	3.9	36.8	21.1
MorSoy RT3881	MorSoy	purple	lt. tawny	brown	imp black	3000	3.8	35.9	21.1
NK S39-Q4	NK	purple	lt. tawny	gray	brown	2500	3.9	36.7	20.8
SS RT 3502	Southern States	purple	lt. tawny	brown	black	2700	3.5	36.5	21.2
SS RT 3702	Southern States	purple	lt. tawny	brown	black	2800	3.7	36.6	21.3
SS RT 3975	Southern States	white	lt. tawny	brown	black	3200	3.9	36.8	20.5
TVX39R201 (E)	Terral	white	gray	brown	buff	3300	3.9	36.4	20.7

[1](E) = Experimental.
[2]Represents an average number of seed per pound; seed 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 79. 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		*%*	*%*	
Armor 44-R4	Armor	purple	tawny	brown	black	2800	I	4.4	36.3	20.8
Armor 44R5	Armor	purple	tawny	black	tan	2400	I	4.2	36.3	20.7
AG4201	Asgrow	white	tawny	tan	black	2600	I	4.2	36.1	20.5
AG4403	Asgrow	purple	tawny	tan	black	3400	D	4.4	36.0	21.6
AG4603	Asgrow	white	tawny	tan	black	2900	I	4.6	36.4	20.0
AG4702	Asgrow	white	tawny	tan	black	2900	I	4.7	36.5	20.6
RC 4222 (E)	Croplan Genetics	purple	tawny	tan	black	2400	I	4.2	36.2	20.8
RC 4432	Croplan Genetics	white	tawny	tan	black	2800	I	4.4	36.4	20.8
RC 4444 (E)	Croplan Genetics	purple	lt. tawny	brown	imp black	2900	I	4.4	36.1	21.0
DK 4461RR	Delta King	purple	tawny	tan	imp black	2800	I	4.2	36.4	20.8
DK XTJ040RR (E)	Delta King	white	tawny	tan	black	2200	I	4.0	37.1	20.5
DK XTJ041RR (E)	Delta King	—	—	—	—	2600	I	4.1	36.5	20.8
DK XTJ044RR (E)	Delta King	purple	tawny	—	black	3200	I	4.4	35.8	20.5
DK XTJ046RR (E)	Delta King	—	tawny	—	black	2900	I	4.6	36.2	21.0
DK XTJ301RR (E)	Delta King	purple	tawny	tan	black	2800	I	4.4	35.8	21.3
DP4344RR	DPL	white	tawny	tan	black	2500	I	4.3	36.3	20.6
DP4690RR	DPL	purple	light tawny	brown	black	2700	I	4.7	35.2	21.1
DPX4446RR (E)	DPL	white	tawny	tan	black	3000	I	4.4	35.7	20.7
DPX4527RR (E)	DPL	white	tawny	tan	black	2700	I	4.5	36.1	20.5
DPX4431RR (E)	DPL	purple	lt. tawny	brown	black	2900	I	4.4	36.0	21.2
DG 3443NRR	Dyna-Gro	purple	tawny	tan	imp black	2900	I	4.4	36.3	20.9
DG 3463NRR	Dyna-Gro	white	tawny	tan	black	3000	I	4.8	36.6	20.3
Garst 4512RR/N	Garst	purple	tawny	tan	imp black	3100	I	4.5	36.0	21.1
Genesis C444RR	Genesis	purple	lt. tawny	brown	black	2700	I	4.4	35.4	20.8
H4454RR	Hartz	purple	lt. tawny	brown	brown	3300	I	4.4	36.1	21.0
H4554RR	Hartz	white	tawny	tan	brown	2900	I	4.5	36.5	20.6
HBK R4622	Hornbeck	purple	tawny	brown	black	2400	I	4.6	36.9	20.4
MorSoy RT4480	MorSoy	purple	lt. tawny	brown	black	2900	I	4.4	36.1	21.1
NK S40-R9	NK	purple	tawny	tan	black	3200	I	4.0	36.4	20.3
94B13	Pioneer	white	tawny	brown	black	2700	I	4.1	36.2	20.8
Progeny 4303RR (E)	Progeny	white	lt. tawny	brown	black	2900	I	4.3	36.3	20.4
Progeny 4401 (E)	Progeny	purple	lt. tawny	tan	black	3100	I	4.4	35.7	21.5
SS RT446N	Southern States	white	tawny	tan	imp black	2800	I	4.4	36.2	20.6
SS RT 4502N	Southern States	white	tawny	tan	black	2900	I	4.5	36.3	20.4
TV4589RR	Terral	white	gray	tan	imp black	2900	I	4.5	36.9	20.4
USG 7440nRR	USG	purple	lt. tawny	brown	black	2700	I	4.4	36.7	20.6

[1](E) = Experimental.
[2]Represents an average number of seed per pound; seed 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 80. 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			*%*	*%*
4888RR	AgriPro	purple	lt. tawny	tan	black	2900	I	4.8	35.4	21.1
Armor 47-G7	Armor	white	tawny	tan	black	2800	I	4.7	36.4	20.0
Armor 49-D9 (E)	Armor	purple	tawny	tan	black	2600	I	4.9	36.4	20.0
AG4702	Asgrow	white	tawny	tan	black	2900	I	4.7	36.1	20.5
AG4902	Asgrow	white	tawny	tan	black	3100	I	4.9	36.8	19.7
RC 4992 (E)	Croplan Genetics	white	gray	tan	buff	4000	I	4.9	36.1	19.9
RC 4995	Croplan Genetics	purple	tawny	tan	black	2800	I	4.9	34.6	21.6
DG 4860RR	Delta Grow	purple	tawny	tan	black	2700	I	4.8	36.1	20.6
DG 4950RR	Delta Grow	purple	tawny	tan	black	2800	I	4.7	35.1	21.4
DK 4762RR	Delta King	white	tawny	tan	black	3200	I	4.7	36.4	20.2
DK 4763RR	Delta King	white	tawny	tan	black	2700	I	4.7	36.3	20.2
DK 4868RR	Delta King	white	gray	tan	imp black	2800	I	4.8	35.7	20.7
DK 4965RR	Delta King	white	gray	tan	imp black	2600	I	4.9	35.8	20.5
DK XTJ048RR (E)	Delta King	purple	tawny	tan	black	3100	I	4.8	36.3	20.5
DK XTJ302RR (E)	Delta King	white	tawny	tan	black	2800	I	4.8	35.4	20.5
DK XTJ488RR (E)	Delta King	purple	tawny	—	black	2600	I	4.8	36.6	20.6
Dixie 4803	Dixie	purple	gray	tan	imp black	2700	I	4.8	35.5	21.2
DPX4727RR (E)	DPL	white	tawny	tan	black	3100	I	4.7	36.6	20.1
DPX4933RR (E)	DPL	white	gray	tan	buff	3700	I	4.9	36.4	19.9
SG498RR	DPL	white	tawny	tan	black	2700	I	4.9	35.5	20.6
DG 3484NRR	Dyna-Gro	white	tawny	tan	imp black	2800	I	4.8	36.5	20.2
DG X419NRR (E)	Dyna-Gro	purple	tawny	tan	black	3000	I	4.7	36.6	19.8
ES Prairie	Eagle Seed	white	gray	tan	buff	3100	I	4.9	34.0	21.1
FFR 4712	FFR	purple	tawny	tan	black	2800	I	4.7	35.4	21.1
FFR 4891	FFR	purple	lt. tawny	tan	black	3100	I	4.8	35.4	21.0
FFR 4922	FFR	white	gray	tan	buff	4000	I	4.9	35.8	20.1
Garst XR49N49 (E)	Garst	white	gray	tan	buff	4000	I	4.9	36.1	20.0
Genesis A484RR	Genesis	white	tawny	tan	black	2800	I	4.8	36.3	20.4
HBK R4820	Hornbeck	white	lt. tawny	brown	black	2800	I	4.8	35.9	20.7
HBK R4920	Hornbeck	purple	gray	tan	imp black	2800	I	4.9	35.1	21.3
MorSoy RT4731	MorSoy	white	tawny	tan	black	3000	I	4.7	37.1	19.8
MorSoy RT4809	MorSoy	white	gray	tan	imp black	3000	D	4.8	35.7	20.7
NK X248R (E)	NK	purple	gray	tan	imp black	3200	I	4.8	35.8	20.2
9492	Pioneer	white	tawny	tan	black	2800	I	4.9	36.5	20.7
94B73	Pioneer	purple	lt. tawny	tan	black	3000	I	4.7	36.7	20.6
94B74	Pioneer	purple	lt. tawny	brown	black	2900	I	4.7	36.2	20.9
Progeny 4932RR (E)	Progeny	white	tawny	gray	buff	3900	I	4.9	36.2	19.7
Progeny 4858RR	Progeny	white	tawny	tan	imp black	2900	I	4.8	36.7	20.1
SS RT 517N	Southern States	purple	gray	tan	buff	2400	D	4.9	36.0	20.3
SS RT 4902	Southern States	white	gray	tan	buff	3700	I	4.9	36.5	19.9
SS RT 4980	Southern States	purple	gray	tan	imp black	2500	I	4.8	35.2	21.3
SS RT 5001N	Southern States	purple	gray	tan	imp black	2900	D	4.9	36.2	19.8
TV4886RR	Terral	purple	tawny	tan	imp black	2900	I	4.8	35.8	20.4
TV4890RR	Terral	white	tawny	tan	black	3000	I	4.8	36.8	20.2
TVX47R102 (E)	Terral	purple	tawny	brown	black	3200	I	4.7	36.1	20.6
TVX49R102 (E)	Terral	purple	tawny	brown	black	2900	I	4.9	35.6	20.0
USG 7499nRR	USG	purple	tawny	tan	black	3300	I	4.9	36.3	20.2

[1](E) = Experimental.
[2]Represents an average number of seed per pound; seed 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 81. 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		%	%
Armor 53-K3	Armor	purple	gray	tan	buff	2900	5.3	35.3	20.7
Armor 54-Z4	Armor	white	tawny	tan	imp black	2500	5.4	35.8	19.9
Armor 56-J6	Armor	white	gray	tan	buff	3200	5.6	35.5	20.2
Armor AXR 5135 (E)	Armor	white	tawny	—	—	3300	5.1	36.1	20.5
AG5301	Asgrow	white	gray	tan	buff	2800	5.3	35.9	20.3
AG5501	Asgrow	purple	gray	tan	imp black	3100	5.5	35.5	20.5
AG5603	Asgrow	purple	gray	tan	buff	3400	5.6	35.9	20.5
AG5701	Asgrow	white	gray	tan	imp black	3500	5.7	36.1	19.6
RC 5252 (E)	Croplan Genetics	purple	gray	brown	buff	3600	5.2	35.6	20.3
RC 5332 (E)	Croplan Genetics	purple	tawny	tan	black	2900	5.3	36.2	20.0
DG 5250RR	Delta Grow	purple	gray	tan	buff	2700	5.2	35.7	20.3
DG 5350RR	Delta Grow	purple	tawny	tan	black	2900	5.3	35.9	20.1
DG 5450RR	Delta Grow	white	tawny	tan	imp black	2800	5.4	36.0	20.1
DG 5630RR	Delta Grow	white	gray	tan	buff	2900	5.6	35.3	20.3
DK 5366RR	Delta King	purple	gray	tan	imp black	3100	5.3	35.4	20.3
DK 5465RR	Delta King	white	tawny	tan	imp black	2800	5.4	35.9	20.0
DK 5661RR	Delta King	white	gray	tan	imp black	3200	5.6	35.9	20.0
DK 5668RR	Delta King	white	gray	tan	imp black	3000	5.6	35.6	20.1
DK XTJ051RR (E)	Delta King	—	—	—	—	3100	5.1	35.9	20.2
DK XTJ053RR (E)	Delta King	—	gray	—	buff	2800	5.3	36.5	20.1
DK XTJ055RR (E)	Delta King	—	gray	—	buff	3000	5.5	35.9	20.5
DK XTJ303RR (E)	Delta King	purple	tawny	tan	black	3200	5.3	35.6	20.4
DP5414RR	DPL	white	tawny	tan	black	2700	5.5	36.6	19.7
DP5644RR	DPL	white	tawny	tan	buff	2800	5.6	36.2	19.7
DPX5734RR (E)	DPL	white	tawny	tan	black	2700	5.6	35.6	20.6
DG 3535NRR	Dyna-Gro	purple	gray	tan	imp black	3200	5.3	35.7	20.2
DG 3562NRR	Dyna-Gro	white	gray	tan	imp black	2700	5.6	35.7	20.2
Garst 5512RR/N	Garst	white	tawny	tan	imp black	2400	5.5	35.8	20.0
Genesis C514RR	Genesis	purple	gray	brown	buff	3000	5.1	35.8	20.1
H5223RR	Hartz	purple	gray	brown	buff	3100	5.2	35.5	20.7
H5444RR	Hartz	white	tawny	tan	brown	3400	5.4	35.9	20.1
HBK R5101	Hornbeck	white	tawny	tan	black	2900	5.1	35.4	20.7
HBK R5422	Hornbeck	purple	gray	tan	black	2800	5.4	36.4	20.1
HBK R5620	Hornbeck	white	gray	tan	buff	3000	5.6	35.4	20.2
MorSoy RT5252 (E)	MorSoy	white	tawny	tan	black	3100	5.2	35.7	20.4
MorSoy RT5442 (E)	MorSoy	purple	gray	brown	buff	3200	5.4	35.2	20.8
MorSoy RT5440	MorSoy	white	tawny	tan	brown	2800	5.4	35.9	20.1
MorSoy RT5620	MorSoy	white	gray	tan	buff	2900	5.6	35.7	20.1
NK S52-U3	NK	white	gray	gray	buff	3500	5.2	34.9	20.5
NK S56-D7	NK	purple	tan	tan	black	2800	5.6	35.4	20.5
95B42	Pioneer	purple	gray	tan	imp black	2700	5.4	36.1	20.2
95B43	Pioneer	white	gray	tan	buff	3100	5.5	35.4	20.4
95B53	Pioneer	white	tawny	tan	black	2700	5.4	36.1	19.7
Progeny 5001RR (E)	Progeny	white	tawny	tan	black	3300	5.0	35.5	20.8
Progeny 5250RR (E)	Progeny	white	tawny	tan	black	3600	5.2	35.5	20.4
Progeny 5440RR (E)	Progeny	white	lt. tawny	tan	black	3000	5.4	35.5	21.3
Progeny 5580RR (E)	Progeny	white	gray	tan	buff	2600	5.5	35.8	20.7
Progeny 5415RR	Progeny	white	tawny	tan	imp black	2900	5.4	36.1	20.1
Progeny 5660RR	Progeny	white	gray	tan	imp black	3400	5.6	35.5	20.1
SS RT 5302N	Southern States	purple	tawny	tan	black	2700	5.3	36.1	20.1
SS RT 540N	Southern States	purple	gray	tan	imp. black	2900	5.4	35.3	21.1
SS RT557N	Southern States	purple	gray	tan	imp black	2800	5.5	36.0	20.3
TV5486RR	Terral	purple	tawny	tan	imp black	2400	5.4	36.5	20.5
TV5666RR	Terral	purple	gray	tan	buff	2600	5.6	36.2	20.2
TV52R42	Terral	purple	gray	tan	imp black	2800	5.0	36.2	19.8
TV54R11	Terral	white	tawny	tan	brown	2800	5.4	36.0	20.0
TV56R11	Terral	white	gray	tan	buff	3200	5.6	35.5	20.2
USG 510nRR	USG	purple	gray	brown	buff	2800	5.1	35.5	20.4
USG 540nRR	USG	white	tawny	tan	brown	3000	5.4	35.9	20.2
USG 7522nRR	USG	purple	gray	tan	buff	3200	5.2	36.2	19.9
USG 7547RR	USG	purple	gray	tan	imp black	2800	5.4	36.0	20.3

[1](E) = Experimental.

[2]Represents an average number of seed per pound; seed 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 82. 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		*%*	*%*
AG5701	Asgrow	white	tawny	tan	imp black	3500	5.7	36.0	19.5
AG5903	Asgrow	white	gray	tan	buff	3300	5.9	35.2	20.9
DG 5950RR	Delta Grow	purple	gray	tan	imp black	3600	5.9	35.8	20.0
DG 5960RR	Delta Grow	white	gray	tan	buff	2800	5.9	35.3	20.9
DK 5961RR	Delta King	white	gray	tan	buff	2500	5.9	35.4	20.5
DK XTJ059RR (E)	Delta King	white	gray	—	buff	2700	5.9	35.1	20.8
DP5806RR	DPL	white	gray	tan	buff	3400	5.8	35.9	20.1
DP5915RR	DPL	white	tawny	tan	black	2900	5.9	35.3	20.5
DG 3583NRR	Dyna-Gro	purple	gray	tan	buff	2700	5.8	35.2	20.7
ES Marshal	Eagle Seed	purple	tawny	tan	imp black	3100	6.0	35.3	21.0
ES XVT46RR (E)	Eagle Seed	white	gray	tan	buff	2900	5.8	35.5	20.2
Garst XR59N24 (E)	Garst	purple	gray	tan	buff	2700	5.9	35.8	20.3
H5887RR	Hartz	white	gray	brown	buff	3400	5.8	35.7	20.3
HBK R5820	Hornbeck	purple	gray	tan	buff	3100	5.8	35.6	20.4
HBK R6020	Hornbeck	white	gray	tan	buff	3300	6.0	35.9	19.8
MorSoy RT5900	MorSoy	purple	gray	tan	imp black	3000	5.9	35.8	20.0
NK S59-V6	NK	purple	tawny	tan	black	3800	5.9	36.5	20.1
95B96	Pioneer	white	gray	tan	buff	2900	5.9	35.3	20.5
Progeny 5822RR	Progeny	white	gray	tan	buff	2800	5.9	35.1	20.7
Progeny 5811RR	Progeny	purple	gray	tan	buff	2600	5.9	35.5	20.4
Progeny 5900RR	Progeny	purple	gray	tan	imp black	3300	5.9	35.9	19.9
SS RT 5702N	Southern States	purple	gray	tan	imp black	3300	5.7	36.1	20.1
SS RT5999N	Southern States	purple	gray	tan	buff	2700	5.9	35.9	20.3
TV58R11	Terral	purple	gray	tan	buff	3000	5.8	35.5	20.7
TV59R85	Terral	purple	gray	tan	imp black	3200	5.9	35.6	19.9
TV59R98	Terral	purple	gray	tan	buff	2900	5.9	35.5	20.4
TVX58R102 (E)	Terral	white	tawny	tan	black	3500	5.8	36.0	20.1
TVX58R104 (E)	Terral	purple	tawny	tan	black	2900	5.8	35.6	20.3
USG 570nRR	USG	white	gray	tan	buff	3000	5.7	35.5	20.0
USG 7582nRR (E)	USG	white	gray	tan	buff	2700	5.8	35.3	20.6
99 VPI-67 (E)	Public	white	tawny	tan	buff	3700	5.7	35.2	20.9
99 VPI-120 (E)	Public	white	tawny	tan	buff	3700	5.7	35.2	20.7

[1](E) = Experimental.
[2]Represents an average number of seed per pound; seed 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 83. Plant Characteristics of Roundup Ready Maturity Group VI Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		*%*	*%*
Garst 6112RR/N	Garst	white	gray	tan	buff	3000	6.1	35.9	20.3
TVX62R001 (E)	Terral	white	gray	tan	buff	3000	6.2	36.1	20.2

[1](E) = Experimental.
[2]Represents an average number of seed per pound; seed 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 diseases (Phytophthora root rot and stem canker) and to metribuzin.

Disease Ratings. Disease ratings for Phytophthora root rot, frogeye leafspot, and stem canker were made by plant pathologists at Mississippi State University.

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 table (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.

NR 2002 is the average numeric rating for a variety tested in 2002. HNR is the highest numeric rating in response to stem canker for a variety tested over years.

Herbicide Ratings. Herbicide reaction ratings were based on a hydroponic screening of each variety to metribuzin (T = Tolerant – 1.0 - 2.0; I = Intermediate – 2.1 - 3.0; and S = Susceptible – 3.1 - 5.0).

Table 84. Reaction to Maturity Group IV Soybeans to Diseases and Herbicides.

Variety	Brand	Phytophthora root rot				Stem canker			Herbicide
		R2	R4	R3	R10	Rating	NR 2002	HNR	reaction
DP4748S	DPL	R	—	—	—	R	1.0	1.0	T
HBK 4891	Hornbeck	R	R	M	R	R	1.0	1.0	I
HBK 4944CX	Hornbeck	—	—	—	—	R & 1S	1.1	1.1	—
Progeny 4910	Progeny	—	—	—	—	R-S (R)	1.1	1.1	T
DT98-7278 (E)	Public	—	—	—	—	R-S	1.8	1.8	—
DT98-9102 (E)	Public	—	—	—	—	R-S	1.5	1.5	—

Table 85. Reaction to Maturity Group V Early Soybeans to Diseases and Herbicides.

Variety	Brand	Phytophthora root rot				Stem Canker			Herbicide
		R2	R4	R3	R10	Rating	NR2002	HNR	reaction
Armor 52-C2	Armor	—	—	—	—	—	—	—	S
A5427	Asgrow	—	—	—	—	R	1.0	1.0	—
DP5110S	DPL	R	—	—	—	R	1.0	1.1	I
Progeny 5120N	Progeny	S	R	—	R	R	1.0	1.6	I
Progeny 5600	Progeny	R	—	—	—	R-S(S)	2.8	3.6	T
DT97-6308 (E)	Public	—	—	—	—	R	1.0	1.0	—

Table 86. Reaction to Maturity Group V Late Soybeans to Diseases and Herbicides.

Variety	Brand	Phytophthora root rot				Stem Canker			Herbicide reaction
		R2	R4	R3	R10	Rating	NR2002	HNR	
DK 5850	Delta King	—	—	—	—	R-S (S)	2.6	3.8	—
DK 5995	Delta King	R	M	R	M	R-S	1.4	3.1	T
DP5989	DPL	—	—	—	—	R	1.0	1.1	T
HBK 5991	Hornbeck	M	R	R	M	R	1.0	1.0	T
9594	Pioneer	R	R	R	R	R-S	1.8	1.8	T
95B97	Pioneer	—	—	—	—	R-S (MS)	2.1	2.1	S
Bolivar	Public	R	R	—	M	R-S (R)	1.2	2.0	T
DT96-6840 (E)	Public	M	M	—	R	R	1.0	1.4	T
Hutcheson	Public	R	R	—	S	R	1.0	1.0	T
UARK-5896	Public	—	—	—	—	R-S (S)	3.1	3.1	S

Table 87. Reaction to Maturity Group III Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Phytophthora root rot				Stem Canker			Herbicide reaction
		R2	R4	R3	R10	Rating	NR2002	HNR	
Armor 39-E9	Armor	—	—	—	—	R	1.0	1.0	—
AG3702	Asgrow	—	—	—	—	R	1.0	1.0	T
AG3902	Asgrow	—	—	—	—	R	1.0	1.0	I
AG3903	Asgrow	—	—	—	—	R & 2S	1.1	1.1	I
DK 3862RR	Delta King	—	—	—	—	R	1.0	1.0	T
DK 3961RR	Delta King	—	—	—	—	R & 1S	1.1	1.1	I
DK 3964RR	Delta King	—	—	—	—	R	1.0	1.0	I
DK 3968RR	Delta King	—	—	—	—	R	1.0	1.0	I
DK XTJ033RR (E)	Delta King	—	—	—	—	R	1.0	1.0	—
DPX3761RR (E)	DPL	—	—	—	—	R	1.0	1.0	—
DPX3819RR (E)	DPL	—	—	—	—	R & 1S	1.1	1.1	—
DPX3940RR (E)	DPL	—	—	—	—	R	1.0	1.0	—
H3090RR	Hartz	—	—	—	—	R	1.0	1.0	—
HBK R3980	Hornbeck	—	—	—	—	R	1.0	1.0	—
HBK XR390-02 (E)	Hornbeck	—	—	—	—	R & 1S	1.1	1.1	—
MorSoy RT3881	MorSoy	—	—	—	—	R & 1S	1.1	1.1	—
NK S39-Q4	NK	—	—	—	—	R	1.0	1.0	—
SS RT 3502	Southern States	—	—	—	—	R & 1S	1.1	1.1	—
SS RT 3702	Southern States	—	—	—	—	R	1.0	1.0	—
SS RT 3975	Southern States	—	—	—	—	R	1.0	1.0	—
TVX39R201 (E)	Terral	—	—	—	—	R	1.0	1.0	—

Table 88. Reaction to Maturity Group IV Early Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Phytophthora root rot				Stem Canker			Herbicide
		R2	R4	R3	R10	Rating	NR2002	HNR	reaction
Armor 44-R4	Armor	—	—	—	—	R-S (R)	1.2	1.2	I
Armor 44R5	Armor	—	—	—	—	R	1.0	1.0	—
AG4201	Asgrow	—	—	—	—	R	1.0	4.0	—
AG4403	Asgrow	R	—	—	—	R-S (S)	1.3	3.2	T
AG4603	Asgrow	—	—	—	—	R	1.0	1.0	—
RC 4222 (E)	Croplan Genetics	—	—	—	—	R	1.0	1.0	—
RC 4432	Croplan Genetics	—	—	—	—	R	1.0	1.0	—
RC 4444 (E)	Croplan Genetics	—	—	—	—	R-S	1.5	3.3	S
DK 4461RR	Delta King	—	—	—	—	R-S (R)	1.4	3.3	I
DK XTJ040RR (E)	Delta King	—	—	—	—	R-S	2.0	2.0	—
DK XTJ041RR (E)	Delta King	—	—	—	—	R-S (R)	1.1	1.1	—
DK XTJ044RR (E)	Delta King	—	—	—	—	—	—	—	—
DK XTJ046RR (E)	Delta King	—	—	—	—	—	—	—	—
DK XTJ301RR (E)	Delta King	—	—	—	—	R-S (R)	1.4	1.4	—
DP4344RR	DPL	R	—	—	—	R-S (R)	1.5	2.6	T
DP4690RR	DPL	R	R	—	R	R	1.0	1.0	T
DPX4446RR (E)	DPL	—	—	—	—	R	1.0	1.0	—
DPX4527RR (E)	DPL	—	—	—	—	R	1.0	1.0	—
DPX4431RR (E)	DPL	—	—	—	—	R-S (R)	1.4	1.4	—
DG 3443NRR	Dyna-Gro	—	—	—	—	R-S	1.6	1.6	I
DG 3463NRR	Dyna-Gro	R	M	R	M	R	1.0	1.0	T
Garst 4512RR/N	Garst	—	—	—	—	R-S (R)	1.4	1.4	I
Genesis C444RR	Genesis	—	—	—	—	R-S	1.4	1.4	—
H4454RR	Hartz	—	—	—	—	R-S	1.9	1.9	—
H4554RR	Hartz	—	—	—	—	R	1.0	1.0	T
HBK R4622	Hornbeck	—	—	—	—	R	1.0	1.0	—
MorSoy RT4480	MorSoy	—	—	—	—	R-S (R)	1.3	1.3	—
NK S40-R9	NK	—	—	—	—	R-S	1.5	1.5	—
94B13	Pioneer	—	—	—	—	R	1.0	1.0	—
Progeny 4303RR (E)	Progeny	—	—	—	—	R	1.0	1.0	—
Progeny 4401 (E)	Progeny	—	—	—	—	R-S	1.8	1.8	—
SS RT446N	Southern States	—	—	—	—	R-S	1.5	1.5	T
SS RT 4502N	Southern States	—	—	—	—	R	1.0	1.0	—
TV4589RR	Terral	R	R	—	R	R	1.0	1.1	T
USG 7440nRR	USG	—	—	—	—	R-S	1.4	1.4	—

Table 89. Reaction to Maturity Group IV Late Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Phytophthora root rot				Stem Canker			Herbicide
		R2	R4	R3	R10	Rating	NR2002	HNR	reaction
4888RR	AgriPro	—	—	—	—	R-S (R)	1.1	1.1	—
Armor 47-G7	Armor	—	—	—	—	R-S	1.9	1.9	—
Armor 49-D9 (E)	Armor	—	—	—	—	—	—	—	—
AG4702	Asgrow	R	—	—	—	R	1.0	3.4	I
AG4902	Asgrow	R	M	—	R	R	1.0	1.5	T
RC 4992 (E)	Croplan Genetics	—	—	—	—	R	1.0	1.0	—
RC 4995	Croplan Genetics	—	—	—	—	R	1.0	1.0	I
DG 4860RR	Delta Grow	—	—	—	—	R-S (R)	1.1	1.1	—
DG 4950RR	Delta Grow	—	—	—	—	R	1.0	1.0	I
DK 4762RR	Delta King	—	—	—	—	R-S (R)	2.5	3.7	T
DK 4763RR	Delta King	—	—	—	—	R-R	1.5	1.5	I
DK 4868RR	Delta King	R	M	—	R	R-S (R)	2.2	3.8	T
DK 4965RR	Delta King	—	S	—	M	R	1.0	1.0	T
DK XTJ048RR (E)	Delta King	—	—	—	—	R	1.0	1.0	I
DK XTJ302RR (E)	Delta King	—	—	—	—	R-S (S)	2.0	2.0	—
DK XTJ4888RR (E)	Delta King	—	—	—	—	—	—	—	—
Dixie 4803	Dixie	R	—	—	—	R-S (R)	1.1	1.1	I
DPX4727RR (E)	DPL	—	—	—	—	R-S	1.7	1.7	—
DPX4933RR (E)	DPL	—	—	—	—	R	1.0	1.0	—
SG498RR	DPL	M	R	R	M	R-S (R)	1.3	1.3	T
DG 3484NRR	Dyna-Gro	—	—	—	—	R	1.0	1.0	T
DG X419NRR (E)	Dyna-Gro	—	—	—	—	R-S	1.6	1.6	—
ES Prairie	Eagle Seed	R	—	—	—	R	1.0	1.0	T
FFR 4712	FFR	—	—	—	—	R	1.0	1.0	—
FFR 4891	FFR	—	—	—	—	R	1.0	1.0	—
FFR 4922	FFR	—	—	—	—	R	1.0	1.0	—
Garst XR49N49 (E)	Garst	—	—	—	—	R	1.0	1.0	—
Genesis A484RR	Genesis	R	—	—	—	R-MR	1.4	1.4	T
HBK R4820	Hornbeck	—	—	—	—	R-S	2.2	3.1	—
HBK R4920	Hornbeck	—	—	—	—	R & 1S	1.1	1.1	—
MorSoy RT4731	MorSoy	—	—	—	—	R-S	1.8	1.8	—
MorSoy RT4809	MorSoy	R	—	—	—	R-S	1.7	1.7	T
NK X248R (E)	NK	—	—	—	—	R	1.0	1.0	—
9492	Pioneer	R	R	R	S	R-S	1.4	1.4	—
94B73	Pioneer	—	—	—	—	R	1.0	3.1	—
94B74	Pioneer	—	—	—	—	R	1.0	1.0	—
Progeny 4932RR (E)	Progeny	—	—	—	—	R	1.0	1.0	—
Progeny 4858RR	Progeny	—	—	—	—	R	1.0	1.0	I
SS RT 517N	Southern States	—	—	—	—	R	1.0	1.0	—
SS RT 4902	Southern States	—	—	—	—	R	1.0	1.0	—
SS RT4980	Southern States	R	—	—	—	R	1.0	1.0	I
SS RT 5001N	Southern States	—	—	—	—	R	1.0	1.0	—
TV4886RR	Terral	R	—	—	—	R-S (R)	1.1	1.1	T
TV4890RR	Terral	S	R	R	M	R-S (R)	1.2	1.2	T
TVX47R102 (E)	Terral	—	—	—	—	R-S	1.8	1.8	—
TVX49R102 (E)	Terral	—	—	—	—	R	1.0	1.0	—
USG 7499RR	USG	—	—	—	—	R	1.0	1.0	—

Table 90. Reaction to Maturity Group V Early Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Phytophthora root rot				Stem Canker			Herbicide
		R2	R4	R3	R10	Rating	NR2002	HNR	reaction
Armor 53-K3	Armor	—	—	—	—	R	1.0	1.0	I
Armor 54-Z4	Armor	—	—	—	—	R	1.0	1.0	I
Armor 56-J6	Armor	—	—	—	—	R-S	1.5	1.5	—
Armor AXR 5135 (E)	Armor	—	—	—	—	R-S	1.0	1.0	—
AG5301	Asgrow	—	—	—	—	R	1.0	1.0	—
AG5501	Asgrow	—	—	—	—	R-S (R)	1.1	1.1	T
AG5603	Asgrow	—	—	—	—	R	1.0	1.0	T
RC 5252 (E)	Croplan Genetics	—	—	—	—	R	1.0	1.0	I
RC 5332 (E)	Croplan Genetics	—	—	—	—	R-S	1.4	1.4	—
DG 5250RR	Delta Grow	—	—	—	—	R-S (R)	1.2	1.2	T
DG 5350RR	Delta Grow	—	—	—	—	R-S	1.5	1.5	—
DG 5450RR	Delta Grow	—	—	—	—	R	1.0	1.0	I
DG 5630RR	Delta Grow	R	—	—	—	R-S	1.6	1.6	T
DK 5366RR	Delta King	—	—	—	—	R-S	1.4	1.4	I
DK 5465RR	Delta King	—	—	—	—	R	1.0	1.0	I
DK 5661RR	Delta King	—	—	—	—	R-S	1.4	3.4	I
DK 5668RR	Delta King	—	—	—	—	R-S (R)	1.2	3.0	I
DK XTJ051RR (E)	Delta King	—	—	—	—	R	1.0	1.0	—
DK XTJ053RR (E)	Delta King	—	—	—	—	R	1.0	1.0	—
DK XTJ055RR (E)	Delta King	—	—	—	—	R	1.0	1.0	—
DK XTJ303RR (E)	Delta King	—	—	—	—	R-S	1.4	1.4	—
DP5414RR	DPL	R	—	—	—	R-MS (R)	1.1	1.1	T
DP5644RR	DPL	—	—	—	—	R-S (R)	1.2	2.3	I
DPX5734RR (E)	DPL	—	—	—	—	R-MS (R)	1.1	1.1	—
DG 3535NRR	Dyna-Gro	—	—	—	—	R-S (R)	1.1	1.1	T
DG 3562NRR	Dyna-Gro	—	—	—	—	R-S (R)	1.3	1.3	T
Garst 5512RR/N	Garst	—	—	—	—	R-S (R)	1.2	1.2	I
Genesis C514RR	Genesis	—	—	—	—	R	1.0	1.0	—
H5223RR	Hartz	—	—	—	—	R	1.0	1.0	—
H5444RR	Hartz	—	—	—	—	R-S (R)	1.1	1.1	—
HBK R5101	Hornbeck	—	—	—	—	R	1.0	1.0	—
HBK R5422	Hornbeck	—	—	—	—	R-S (R)	1.2	1.2	—
HBK R5620	Hornbeck	—	—	—	—	R-S	1.6	2.3	I
MorSoy RT5252 (E)	MorSoy	—	—	—	—	R	1.0	1.0	—
MorSoy RT5442 (E)	MorSoy	—	—	—	—	R	1.0	1.0	—
MorSoy RT5440	MorSoy	—	—	—	—	R	1.0	1.0	—
MorSoy RT5620	MorSoy	—	—	—	—	R-S	1.4	1.4	—
NK S52-U3	NK	—	—	—	—	R-S	1.6	1.6	—
NK S56-D7	NK	—	—	—	—	R	1.0	1.0	—
95B42	Pioneer	—	—	—	—	R-S (S)	2.2	2.2	—
95B43	Pioneer	—	—	—	—	R	1.0	1.0	—
95B53	Pioneer	—	—	—	—	R-S (R)	1.1	1.1	T
Progeny 5001RR (E)	Progeny	—	—	—	—	R	1.0	1.0	—
Progeny 5250RR (E)	Progeny	—	—	—	—	R-S (R)	1.2	1.2	—
Progeny 5440RR (E)	Progeny	—	—	—	—	R	1.0	1.0	—
Progeny 5580RR (E)	Progeny	—	—	—	—	—	—	—	—
Progeny 5415RR	Progeny	—	—	—	—	R	1.0	1.0	I
Progeny 5660RR	Progeny	—	—	—	—	R-S	1.7	4.0	S
SS RT 5302N	Southern States	—	—	—	—	R-S	1.4	1.4	—
SS RT 540N	Southern States	—	—	—	—	R-S	1.3	1.3	—
SS RT557N	Southern States	R	M	—	M	R	1.0	1.0	T
TV5486RR	Terral	—	—	—	—	R	1.0	1.1	T
TV5666RR	Terral	M	R	M	M	R	1.0	1.7	T
TV52R42	Terral	—	—	—	—	R-MR (R)	1.1	1.1	I
TV54R11	Terral	—	—	—	—	R	1.0	1.0	—
TV56R11	Terral	—	—	—	—	R-S	1.7	1.7	—
USG 510nRR	USG	—	—	—	—	R	1.0	1.0	—
USG 540nRR	USG	R	—	—	—	R-S (R)	1.1	1.1	T
USG 7522nRR	USG	—	—	—	—	R-S (R)	1.1	1.1	—
USG 7547RR	USG	M	M	—	S	R	1.0	1.0	T

Table 91. Reaction to Maturity Group V Late Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Phytophthora root rot				Stem Canker			Herbicide
		R2	R4	R3	R10	Rating	NR2002	HNR	reaction
AG5701	Asgrow	R	M	—	S	R-S	1.8	3.6	T
AG5903	Asgrow	—	—	—	—	R	1.0	1.0	—
DG 5950RR	Delta Grow	R	M	R	M	R-S (S)	2.3	2.3	T
DG 5960RR	Delta Grow	—	—	—	—	R-S	1.4	1.4	—
DK 5961RR	Delta King	R	M	R	R	R	1.0	1.3	T
DK XTJ059RR (E)	Delta King	—	—	—	—	R-S	1.5	1.5	—
DP5806RR	DPL	M	R	R	R	R-S (R)	1.3	2.6	T
DP5915RR	DPL	R	R	R	R	R-S	1.4	1.5	T
DG 3583NRR	Dyna-Gro	—	—	—	—	R-S	1.4	1.4	—
ES Marshal	Eagle Seed	—	—	—	—	R	1.0	1.0	—
ES XVT46RR (E)	Eagle Seed	—	—	—	—	R	1.0	1.0	—
Garst XR59N24 (E)	Garst	—	—	—	—	R	1.0	1.0	—
H5887RR	Hartz	—	—	—	—	R-S	1.4	1.4	—
HBK R5820	Hornbeck	—	—	—	—	R	1.0	1.0	S
HBK R6020	Hornbeck	R	M	R	M	R-S	1.4	3.4	T
MorSoy RT5900	MorSoy	—	—	—	—	R-S	1.8	1.8	—
NK S59-V6	NK	M	—	—	S	R-S (S)	2.2	2.2	—
95B96	Pioneer	—	—	—	—	R-S (S)	2.2	3.1	I
Progeny 5822RR	Progeny	—	—	—	—	R-S (R)	1.2	1.2	—
Progeny 5811RR	Progeny	—	—	—	—	R	1.0	1.0	—
Progeny 5900RR	Progeny	—	—	—	—	R-S (S)	2.1	2.4	I
SS RT 5702N	Southern States	—	—	—	—	R	1.0	1.0	—
SS RT5999N	Southern States	—	—	—	—	R	1.0	1.0	I
TV58R11	Terral	—	—	—	—	R-S	1.9	1.9	—
TV59R85	Terral	—	—	—	—	R-S (S)	2.3	3.3	I
TV59R98	Terral	—	—	—	—	R	1.0	1.0	I
TVX58R102 (E)	Terral	—	—	—	—	R	1.0	1.0	—
TVX58R104 (E)	Terral	—	—	—	—	R	1.0	1.0	—
USG 570nRR (E)	USG	—	—	—	—	R-S	1.7	1.7	I
USG 7582nRR (E)	USG	—	—	—	—	R-S	1.4	1.4	—
99 VPI-67 (E)	Public	—	—	—	—	R	1.0	1.0	—
99 VPI-120 (E)	Public	—	—	—	—	R	1.0	1.0	—

Table 92. Reaction to Maturity Group VI Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Phytophthora root rot				Stem Canker			Herbicide
		R2	R4	R3	R10	Rating	NR2002	HNR	reaction
Garst 6112RR/N	Garst	—	—	—	—	R-MS (R)	1.1	1.1	—
TVX62R001 (E)	Terral	—	—	—	—	R	1.0	1.0	—

In-Field Disease Ratings

Tables in this section contain data on the soybean varieties' reactions to aerial web blight, frogeye leaf spot, late-season Cercospora, SDS (sudden death syndrome), pod spotting, pod disease, and irrigation damage. Ratings for these diseases were made by Dr. Billy Moore, retired extension plant pathologist. These data were collected from the Mississippi soybean variety trials at Longwood, Clarksdale, and Warren County.

Aerial Web Blight. A 0-9 rating was used with 0 equal to no disease and 9 equal to total plant infection with aerial blight. Three ratings were made on each of two sides of each plot in each replication. The highest and lowest ratings were dropped and the remaining four ratings were average.

Frogeye Leaf Spot. This was rated on a 0-9 scale with 0 equaling no disease and 9 equaling leaf blight occurrence.

Late-Season Cercospora. Rated on a 0-9 scale with 0 equal to no disease and 9 equal to severe leaf discoloration and defoliation.

Sudden Death Syndrome. Rated on a 0-9 scale where 0 equals no disease and 9 equals severe disease.

Pod Spotting. Small black spots or general pod spotting was rated on a 0-9 scale with 0 equal to no spotting and 9 equal to very heavy spotting.

Pod Disease. Purple pods indicated by a "P".

Irrigation Damage. Death of plants caused by standing water from irrigation was rated on a 0-9 scale with 0 equaling no disease and 9 equaling severe leaf discoloration and defoliation.

Table 93. Maturity Group V Early Soybeans at Longwood, Washington County.

Variety	Brand	Frogeye
Progeny 5600	Progeny	3.5
Progeny 6230N	Progeny	4.5
Armor 63-C2	Armor	1.5
DT97-6308	Public	0.5
A5427	Asgrow	0.0
DP5110S	DPL	1.0

Table 94. Maturity Group V Late Soybeans at Longwood, Washington County.

Variety	Brand	L.S. Cercospora	Frogeye	SDS	Irrigation
HBK 5991	Hornbeck	3.0	4.5	0.0	0.0
Hutcheson	Public	4.5	1.0	0.0	1.0
DT96-6840	Public	4.5	1.5	2.5	0.0
9594	Pioneer	4.5	2.5	0.0	4.5
DK 5995	Delta King	3.5	5.5	0.0	0.0
95B97	Pioneer	4.0	5.5	0.0	0.0
UARK-5896	Public	2.5	0.0	0.5	3.0
Bolivar	Public	4.5	2.5	0.5	0.0
DK 5850	Delta King	4.5	3.0	1.5	3.0
DP5989	DPL	6.0	0.5	3.0	0.0

Table 95. Maturity Group IV Early Roundup Ready Soybeans at Longwood, Washington County.

Variety	Brand	Frogeye	Pod Disease	L.S. Cercospora
Genesis C444RR	Genesis	1.0	P	1.0
HBK R4622	Hornbeck	0.0	—	3.0
DPX4446RR	DPL	1.0	P	—
DPX4527RR	DPL	2.0	—	4.0
RC 4432	Croplan Genetics	0.5	—	—
DK XTJ046RR	Delta King	1.0	—	—
H4554RR	Hartz	2.3	—	—
Progeny 4401RR	Progeny	1.0	—	—
Progeny 4303RR	Progeny	2.7	—	—
DPX4431RR	DPL	0.7	P	—
AG4403	Asgrow	1.0	P	—
RC 4444	Croplan Genetics	1.0	—	—
DP4344RR	DPL	1.0	P	—
DK XTJ044RR	Delta King	0.0	—	1.5
NK S40-R9	NK Brand	1.3	P	—
DK XTJ040RR	Delta King	1.0	P	—
Armor 44R5	Armor	0.0	—	2.0
AG4603	Asgrow	1.3	—	3.0
DG 3443NRR	Dyna-Gro	1.0	P	—
USG 7440nRR	USG	1.0	P	—
4512RR/N	AgriPro/Garst	1.3	P	2.0
AG4702	Asgrow	1.0	—	—
DK XTJ041RR	Delta King	0.0	P	3.0
TV4589RR	Terral	2.0	P	—
Pioneer 94B13	Pioneer	0.3	P	2.0
Armor 44-R4	Armor	0.7	P	—
AG4201	Asgrow	0.7	—	0.7
DP 4690RR	DPL	1.7	—	—
RC 4222	Croplan Genetics	0.0	—	4.0
DG 3463NRR	Dyna-Gro	1.3	—	—
SS RT446N	SS	2.0	—	—
DK XTJ301RR	Delta King	0.7	P	—
MorSoy RT4480	MorSoy	0.7	P	—
DK 1130RR	Delta King	1.0	P	3.0
H4454RR	Hartz	1.0	P	2.0
SS RT 4502N	Southern States	0.3	—	1.0

Table 96. Maturity Group V Early Roundup Ready Soybeans at Longwood, Washington County.					
Variety	**Brand**	**L.S. Cercospora**	**Frogeye**	**SDS**	**Irrigation**
95B53	Pioneer	3.7	5.0	0.0	2.7
HBK R5620	Hornbeck	4.7	0.7	0.0	0.0
NK S56-D7	NK Brand	4.3	0.7	1.3	2.0
DG 3535NRR	Dyna-Gro	3.7	1.0	0.0	0.0
TV5486RR	Terral	3.8	2.3	0.0	2.0
Genesis C514RR	Genesis	4.7	5.0	0.0	3.7
MorSoy RT5620	MorSoy	4.3	1.0	0.0	1.7
Progeny 5415RR	Progeny	6.3	0.3	0.0	2.0
TV 5666RR	Terral	4.0	1.3	0.0	1.7
DG 5250RR	Delta Grow	5.5	5.3	0.0	4.0
DPX5734RR	DPL	3.3	0.7	2.0	0.7
DK 5366RR	Delta King	4.3	0.7	1.0	2.0
DK XTJ053RR	Delta King	5.3	4.0	0.0	1.7
AG5501	Asgrow	4.7	0.7	0.0	0.3
Progeny 5440RR	Progeny	1.3	2.0	2.0	2.0
HBK R5101	Hornbeck	1.5	4.3	0.0	0.0
MorSoy RT5440	MorSoy	6.0	0.3	0.0	0.3
HBK R5422	Hornbeck	5.7	0.3	2.0	0.7
TV54R11	Terral	5.7	1.0	2.0	0.7
Pioneer 95B43	Pioneer	4.0	1.3	0.3	0.3
H5444RR	Hartz	6.3	0.3	0.0	0.0
Pioneer 95B42	Pioneer	5.3	1.3	0.0	1.3
AG5603	Asgrow	5.3	1.3	4.0	1.7
MorSoy RT5252	MorSoy	5.3	1.0	2.3	0.0
DG 5450RR	Delta Grow	6.7	0.3	0.0	0.7
AG5301	Asgrow	4.0	3.7	0.0	0.0
H5223RR	Hartz	5.7	0.7	0.7	1.0
Progeny 6360RR	Progeny	5.7	0.7	0.0	0.0
AXR 5135	Armor	2.3	4.3	0.0	2.0
DK 5668RR	Delta King	4.0	0.0	0.7	0.3
MorSoy RT 5442	MorSoy	6.0	2.0	0.0	0.7
RC 5332	Croplan Genetics	5.7	0.0	0.0	2.0
Armor 54-Z4	Armor	5.7	0.3	0.0	2.7
TV54R42	Terral	4.7	1.0	2.0	2.3
DP5644 RR	DPL	4.7	2.3	1.0	1.3
Armor 56-K3	Armor	6.0	1.0	0.0	1.0
NK S52-U3	NK Brand	4.3	0.3	2.0	1.3
Armor 56-J6	Armor	4.7	0.7	0.0	0.3
DK XTJ053RR	Delta King	5.3	2.7	2.0	1.7
SS RT557N	SS	4.3	1.3	0.0	1.7
DP5414RR	DPL	2.0	0.0	0.0	0.3
DK XTJ303RR	Delta King	4.0	0.7	0.0	0.0
DK 5661RR	Delta King	3.0	1.3	0.0	0.3
USG 540nRR	USG	6.0	0.0	0.0	0.0
Progeny 5660RR	Progeny	4.7	0.3	0.0	0.0
Progeny 5580RR	Progeny	5.7	0.3	0.0	0.0
DG 5350RR	Delta Grow	5.7	0.0	0.0	0.0
USG 7547	USG	4.7	1.0	2.0	4.0
RC 8585	Croplan Genetics	4.7	4.7	0.0	3.0
DK XTJ051RR	Delta King	5.3	6.0	0.0	2.7
Progeny 5001RR	Progeny	2.3	4.0	2.0	0.0
DG 5360RR	Delta Grow	4.3	0.3	0.0	0.0
TV56R11	Terral	4.0	0.7	0.0	0.0
USG 510nRR	USG	5.0	5.3	2.0	4.7
USG 7522nRR	USG	3.0	1.3	0.0	1.0
DK 5465RR	Delta King	6.3	0.7	0.0	0.0
SS RT 5302N	Southern States	5.7	0.3	0.0	0.0
SS RT 540N	Southern States	5.7	1.3	0.0	0.3
5512RR/N	AgriPro/Garst	6.3	0.7	0.7	0.0
AG5701	Asgrow	2.3	2.0	4.0	2.0
DG 3562NRR	Dyna-Gro	4.0	0.3	0.7	2.0

Table 97. Maturity Group V Late Roundup Ready Soybeans at Longwood, Washington County.

Variety	Brand	L.S. Cercospora	Frogeye	SDS	Irrigation
DK XTJ053RR	Delta King	2.7	2.7	2.3	2.0
DG 5950RR	Delta Grow	1.3	2.3	0.7	2.0
SS RT 5999N	SS	5.3	3.7	0.0	0.0
HBK R5820	Hornbeck	3.7	2.0	0.7	1.0
Progeny 5822RR	Progeny	3.3	0.7	3.0	0.0
DP5912RR	DPL	2.3	2.3	2.0	2.0
TV59R85	Terral	1.7	3.0	0.7	0.3
DG 5960RR	Delta Grow	3.3	1.7	0.0	0.0
XR59N24	Garst	4.7	3.0	1.0	2.0
TVX58R104	Terral	3.0	2.7	4.0	0.0
DP5806 RR	DPL	5.3	2.7	1.7	0.3
TV59R98	Terral	3.3	1.3	0.7	1.7
USG 7582nRR	USG	3.0	0.7	2.3	0.0
TV85R11	Terral	2.7	2.3	1.3	0.0
ES Marshal RR	ES	6.7	0.0	6.0	0.0
Progeny 5811RR	Progeny	4.0	2.7	0.3	4.0
MorSoy RT5900	MorSoy	2.0	3.3	2.3	0.0
TVX58R102	Terral	5.0	4.0	4.3	0.0
H5887RR	Hartz	2.7	0.7	0.0	0.0
AG5701	Asgrow	2.3	2.0	1.3	2.3
AG5903	Asgrow	2.3	1.7	1.3	2.0
Progeny 5900RR	Progeny	2.0	3.3	0.3	0.3
99VPI-120	Public	5.3	0.3	3.0	1.0
ES XVT46RR	Eagle Seed	5.3	0.7	0.0	0.0
DK 5961RR	Delta King	5.3	0.3	1.7	0.0
HBK R6020	Hornbeck	2.3	2.7	1.0	0.0
99VPI-67	Public	6.0	0.7	3.7	1.3
SS RT 5702N	Southern States	2.7	1.3	0.7	0.0
USG 570nRR	USG	4.3	0.7	0.0	0.0
95B96	Pioneer	3.7	4.3	0.0	0.0
DG 3583NRR	Dyna-Gro	3.0	1.3	0.7	0.0
S59-V6RR	NK Brand	4.3	4.3	3.7	0.0

Table 98. Maturity Group IV Soybeans at Oakridge, Warren County.

Variety	Brand	Aerial Blight	Frogeye
HBK 4944CX	Hornbeck	3.9	1.0
Progeny 4910	Progeny	1.1	0.7
DT98-9102	Public	5.0	2.0
DP4748S	DPL	2.1	1.0
DT98-7278	Public	4.6	0.0
HBK 4891	Hornbeck	1.4	1.0

Table 99. Maturity Group V Early Soybeans at Oakridge, Warren County.

Variety	Brand	Aerial Blight	Frogeye	L. S. Cercospora
DP5110S	DPL	1.3	1.0	0.7
Progeny 5600	Progeny	3.3	1.0	2.0
Armor 52-C2	Armor	3.3	0.7	3.7
A5427	Asgrow	2.5	0.0	2.7
DT97-6308	Public	3.4	0.0	3.0
Progeny 5120N	Progeny	2.7	1.3	2.3

Table 100. Maturity Group V Late Soybeans at Oakridge, Warren County.

Variety	Brand	Aerial Blight	Frogeye	L. S. Cercospora
HBK 5991	Hornbeck	3.8	2.3	2.0
Bolivar	Public	3.1	3.0	1.3
DP5989	DPL	3.3	0.7	1.3
UARK-5896	Public	3.3	1.0	2.3
DK 5995	Delta King	2.8	0.7	2.0
9594	Pioneer	3.4	0.7	2.0
95B97	Pioneer	2.8	1.3	2.0
DT96-6840	Public	3.6	0.3	1.3
Hutcheson	Public	4.0	1.0	2.0
DK 5850	Delta King	3.9	0.3	2.3

Table 101. Maturity Group IV Early Roundup Ready Soybeans at Oakridge, Warren County.

Variety	Brand	Aerial Blight	Frogeye
Progeny 4303RR	Progeny	1.2	1.3
DPX4431RR	DPL	3.3	1.3
Pioneer 94B13	Pioneer	3.3	0.3
H4554RR	Hartz	5.2	0.3
DK XTJ044RR	Delta King	3.3	1.0
Armor 44-R4	Armor	3.5	1.7
DK XTJ301RR	Delta King	3.2	0.0
RC 4432	Croplan Genetics	3.2	0.7
AG4201	Asgrow	3.2	0.0
DG 3443NRR	Dyna-Gro	3.5	1.7
DPX4527RR	DPL	2.3	0.0
DG 3463NRR	Dyna-Gro	4.2	0.3
RC 4444	Croplan Genetics	4.2	1.7
Armor 44R5	Armor	3.3	0.0
AG4702	Asgrow	3.8	0.7
DP 4690RR	DPL	1.9	0.7
HBK R4622	Hornbeck	2.1	0.0
DPX4527RR	DPL	5.1	0.7
DK XTJ040RR	Delta King	3.1	0.7
DK 4461RR	Delta King	3.5	2.0
SS RT446N	SS	2.2	2.7
Genesis C444	Genesis	3.8	1.3
AG4603	Asgrow	3.4	1.0
DP4344RR	DPL	2.8	0.3
RC 4222	Croplan Genetics	4.3	1.0
DK XTJ046RR	Delta King	3.5	1.0
NK S40-R9	NK Brand	3.9	1.0
USG 7440nRR	USG	2.9	1.0
H4454RR	Hartz	4.3	1.3
AG4403	Asgrow	1.9	1.3
4512RR/N	AgriPro/Garst	4.0	1.0
DK XTJ041RR	Delta King	4.0	0.0
Progeny 4401RR	Progeny	3.6	1.0
TV4589RR	Terral	2.8	0.0
MorSoy RT 4480	MorSoy	3.6	1.3
SS RT 4502N	Southern States	3.5	0.7

Table 102. Maturity Group IV Late Roundup Ready Soybeans at Oakridge, Warren County.			
Variety	**Brand**	**Aerial Blight**	**Frogeye**
DG 3484nRR	Dyna-Gro	2.0	1.7
4803RR	Dixie	2.4	1.0
AG4702	Asgrow	3.5	1.3
9492	Pioneer	3.2	0.3
ES Prairie RR	ES	5.6	1.0
TVX47R102	Terral	3.5	1.0
Progeny 4932RR	Progeny	3.5	1.0
94B73	Pioneer	3.8	0.3
FFR 4922	FFR	3.7	1.3
HBK R4820	Hornbeck	2.2	1.3
RC4995	Croplan Genetics	2.5	1.3
DG 4860RR	Delta Grow	3.1	0.7
FFR 4712	FFR	3.4	0.7
TV4890RR	Terral	3.4	2.3
MorSoy RT4809	MorSoy	2.6	1.0
TVX49R102	Terral	1.1	0.3
Armor 47-G7	Armor	3.2	0.3
DG X419NRR	Dyna-Gro	3.4	1.3
DK4868RR	Delta King	2.6	1.0
SS-RT 5001N	Southern States	4.7	0.7
SS RT 4902	Southern States	3.3	0.7
AG4902	Asgrow	3.0	0.0
USG 7499nRR	USG	2.5	1.7
NK X248R	NK Brand	3.0	0.3
MorSoy RT4731	MorSoy	3.8	0.3
DK XTJ488RR	Delta King	3.4	0.3
SS RT4908	SS	2.7	1.0
Genesis A484RR	Genesis	2.3	1.3
DK4762RR	Delta King	1.7	2.7
DK4965RR	Delta King	2.4	0.7
4888RR	AgriPro/Garst	2.5	1.3
DG 4950RR	Delta Grow	2.6	1.7
Progeny 4858RR	Progeny	3.2	2.3
FFR 4891	FFR	2.4	1.0
XR49N49	Garst	3.5	1.0
DK XTJ048RR	Delta King	3.4	0.3
DK XTJ302RR	Delta King	2.8	1.3
DK 4763RR	Delta King	4.0	0.3
HBK R4920	Hornbeck	2.5	2.0
SS RT517N	SS	4.7	0.0
Armor 49-D9	Armor	3.6	0.7
SG498RR	DPL	3.4	1.7
DPX4727RR	DPL	3.6	1.0
RC 4992	Croplan Genetics	3.3	1.0
DPX4933RR	DPL	3.8	0.7
TV4886RR	Terral	2.8	3.0

Table 103. Maturity Group V Early Roundup Ready Soybeans at Oakridge, Warren County.				
Variety	**Brand**	**Aerial Blight**	**Frogeye**	**L. S. Cercospora**
RC 5252	Croplan Genetics	4.0	0.3	3.0
MorSoy RT5620	MorSoy	3.1	0.2	2.4
TV5486	Terral	2.2	0.7	0.3
RC 5332	Croplan Genetics	4.4	0.0	2.3
DK 5661RR	Delta King	2.9	0.3	1.7
Genesis C514RR	Genesis	4.7	1.0	2.7
SS RT 540N	Southern States	3.8	0.7	3.3
Progeny 5660RR	Progeny	3.1	0.7	2.7
TV 5666RR	Terral	3.8	1.7	2.7
DK XTJ051RR	Delta King	4.7	0.7	2.7
DG 5630RR	Delta Grow	2.1	0.7	1.7
USG 540nRR	USG	3.8	0.3	3.3
SS RT557N	SS	3.6	0.7	2.3
DG 3562NRR	Dyna-Gro	3.5	0.7	3.0
Armor 53-K3	Armor	3.8	0.7	2.7
MorSoy RT5442	MorSoy	3.2	0.0	2.3
DK XTJ303RR	Delta King	3.1	0.3	2.3
DG 5450RR	Delta Grow	3.0	0.3	2.3
DPX5734RR	DPL	3.2	0.7	1.7
Pioneer 95B42	Pioneer	2.5	0.3	2.7
DG 5250RR	Delta Grow	4.4	1.0	2.7
DG 5350RR	Delta Grow	4.5	1.0	2.3
AG5301	Asgrow	4.1	0.7	3.0
A5944	Asgrow	3.2	0.0	2.3
H5223RR	Hartz	3.4	0.3	3.3
USG 510nRR	USG	4.8	0.3	2.7
DK 5668RR	Delta King	3.8	0.0	2.3
TV56R11	Terral	2.8	0.7	2.0
Progeny 5580RR	Progeny	3.2	0.0	4.3
Progeny 5415RR	Progeny	2.5	0.7	2.7
NK S52-U3	NK Brand	4.0	0.7	2.3
DG 3535NRR	Dyna-Gro	3.3	0.3	2.3
Pioneer 95B43	Pioneer	3.8	0.3	2.0
HBK R5620	Hornbeck	2.7	0.3	2.0
USG 7522nRR	USG	3.8	1.0	5.0
TV52R42	Terral	3.8	0.3	4.7
HBK R5422	Hornbeck	4.0	0.0	3.0
DK 5366RR	Delta King	2.8	0.3	2.3
DK XTJ053RR	Delta King	4.1	0.0	3.0
Progeny 5440RR	Progeny	3.7	0.7	0.7
TV54R11	Terral	2.9	0.7	2.7
Progeny 5001RR	Progeny	4.4	4.0	0.7
USG 7547RR	USG	4.3	0.3	5.7
DK XTJ053RR	Delta King	4.1	0.3	4.3
95B53	Pioneer	3.7	1.3	1.7
DK 5465RR	Delta King	3.0	0.3	2.7
NK S56-D7	NK Brand	3.3	1.0	1.7
AG5701	Asgrow	2.0	0.7	1.3
AG5603	Asgrow	3.7	0.3	1.7
HBK R5101	Hornbeck	3.8	4.3	1.0
MorSoy RT5252	MorSoy	2.7	0.3	2.7
SS RT 5302N	Southern States	3.8	0.3	2.7
AXR 5135	Armor	5.2	3.3	1.0
MorSoy RT5440	MorSoy	3.7	0.3	3.0
Armor 56-J6	Armor	2.5	0.0	2.0
Armor 54-Z4	Armor	3.2	1.3	2.3
DK 5668RR	Delta King	3.4	0.3	2.0
AG5501	Asgrow	3.1	0.3	2.3
DP5414RR	DPL	1.6	0.0	1.0

Table 104. Maturity Group V Late Roundup Ready Soybeans at Oakridge, Warren County.

Variety	Brand	Aerial Blight	Frogeye	L. S. Cercospora
H5887RR	Hartz	4.0	0.0	1.7
Progeny 5900RR	Progeny	2.5	1.0	0.3
DK XTJ053RR	Delta King	1.8	0.3	1.0
Progeny 5822RR	Progeny	2.0	0.7	2.0
DP5915RR	DPL	4.4	0.3	0.7
DK 5961RR	Delta King	2.6	1.3	0.3
ES Marshal RR	ES	5.0	1.0	1.7
USG 570nRR	USG	2.6	0.7	1.7
DG 5960RR	Delta Grow	2.2	0.7	1.0
AG5903	Asgrow	3.4	1.0	1.7
HBK R6020	Hornbeck	2.5	0.7	0.0
SS RT 5999N	Southern States	3.1	1.0	1.0
SS RT 5702N	Southern States	2.1	0.7	0.7
TVX58R104	Terral	3.3	1.3	0.3
99VPI-67	Public	4.1	1.0	1.0
S59-V6RR	NK Brand	2.3	4.3	1.3
Progeny 5811RR	Progeny	2.9	1.0	0.7
XR59N24	Garst	3.6	0.7	0.7
MorSoy RT5900	MorSoy	2.0	1.0	0.7
AG5701	Asgrow	3.5	0.7	1.0
TV58R11	Terral	3.3	1.0	0.3
TV59R85	Terral	0.9	0.7	1.0
USG 7582nRR	USG	2.3	0.3	1.7
TV59R98	Terral	2.4	1.7	0.7
99VPI-120	Public	3.4	1.7	1.3
DP5806 RR	DPL	2.8	1.0	2.0
TVX58R102	Terral	1.8	4.0	1.0
ES XVT46RR	Eagle Seed	3.5	0.3	4.7
DG 3583NRR	Dyna-Gro	1.3	0.0	1.7
95B96	Pioneer	3.1	1.0	3.0
HBK R5820	Hornbeck	2.8	1.3	1.0
DG 5950RR	Delta Grow	1.3	1.0	0.3

Table 105. Maturity Group V Early at Clarksdale, Coahoma County.

Variety	Brand	Pod Spotting	L. S. Cercospora
DT97-6308	Public	0	0
Progeny 5120N	Progeny	0	—
A5427	Asgrow	0	—
Armor 52-C2	Armor	0	—
Progeny 5600	Progeny	0	—
DP5110S	DPL	0	3

Table 106. Maturity Group V Late at Clarksdale, Coahoma County.

Variety	Brand	Pod Spotting	L. S. Cercospora	Frogeye
Bolivar	Public	0.0	3.0	—
95B97	Pioneer	0.0	3.7	—
DT96-6840	Public	1.7	4.0	—
9594	Pioneer	0.7	—	—
UARK-5896	Public	2.3	4.7	—
Hutcheson	Public	2.3	4.0	—
DP5989	DPL	0.7	3.7	—
DK 5995	Delta King	0.0	2.7	—
DK 5850	Delta King	6.3	4.0	—
HBK 5991	Hornbeck	0.0	3.5	6.0

Table 107. Maturity Group V Early Roundup Ready Soybeans at Clarksdale, Coahoma County.

Variety	Brand	Pod Spotting	L. S. Cercospora
NK S52-U3	NK Brand	3.7	—
AXR 5135	Armor	1.0	2.0
USG 540nRR	USG	2.3	5.0
DG 3562NRR	Dyna-Gro	4.0	3.7
Progeny 5440RR	Progeny	3.7	3.0
Armor 54-Z4	Armor	2.7	5.7
MorSoy RT5442	MorSoy	0.0	4.0
Progeny 5580RR	Progeny	2.0	4.0
AG5603	Asgrow	4.3	4.0
TV5486RR	Terral	3.7	—
5512RR/N	AgriPro/Garst	2.7	4.3
HBK R5101	Hornbeck	0.0	—
DP5644 RR	DPL	1.3	4.0
DG 5350RR	Delta Grow	1.3	—
HBK R5620	Hornbeck	1.0	3.7
RC 5252	Croplan Genetics	0.0	4.7
H5223RR	Hartz	0.0	4.0
Progeny 5415RR	Progeny	2.3	5.3
DK XTJ053RR	Delta King	3.7	4.3
TV 5666RR	Terral	1.0	3.3
AG5301	Asgrow	1.7	4.0
Genesis C625RR	Genesis	0.7	4.3
AG 5701	Asgrow	0.7	3.0
NK S56-D7	NK Brand	4.0	3.5
DK 5465RR	Delta King	2.0	3.5
SS RT 5302N	Southern States	2.0	3.5
Morsoy RT5440	MorSoy	2.0	5.0
DK XTJ303RR	Delta King	1.0	3.0
USG 510nRR	USG	0.0	5.0
TV52R42	Terral	1.3	3.0
Progeny 5660RR	Progeny	1.0	3.7
DK 5668RR	Delta King	3.0	3.0
DK 5661RR	Delta King	0.0	3.7
HBK R5422	Hornbeck	1.7	—
95B53	Pioneer	0.0	3.5
SS RT 540N	Southern States	1.0	—
DK XTJ053RR	Delta King	1.7	4.5
Armor 56-J6	Armor	0.0	3.3
MorSoy RT5252	MorSoy	3.0	—
TV54R11	Terral	2.7	4.7
Pioneer 95B42	Pioneer	2.3	—
Pioneer 95B43	Pioneer	1.0	4.0
DG 3535NRR	Dyna-Gro	1.7	3.0
Progeny 5250RR	Progeny	3.0	3.5
DG 5630RR	Delta Grow	0.7	3.7
TV56R11	Terral	0.0	4.0
DG 5250RR	Delta Grow	1.0	4.0
DPX5734RR	DPL	0.7	3.0
DG5450RR	Delta Grow	2.3	5.0
Progeny 5001RR	Progeny	0.7	—
Armor 53-K3	Armor	0.0	4.0
MorSoy RT5620	MorSoy	3.3	3.0
RC 5332	Croplan Genetics	1.3	—
DK XTJ051RR	Delta King	0.0	4.0
SS RT557N	SS	0.0	3.0
DP5414RR	DPL	0.7	3.0
H5444RR	Hartz	2.7	4.7
USG 7522nRR	USG	0.0	—
DK 5366RR	Delta King	1.7	3.3
USG 7547RR	USG	2.0	4.0
AG5501	Asgrow	4.0	3.5

Table 108. Maturity Group V Late Roundup Ready Soybeans at Clarksdale, Coahoma County.

Variety	Brand	Pod Spotting	L. S. Cercospora
Progeny 5900RR	Progeny	1.7	3.0
95B96	Pioneer	1.0	3.7
S59-V6RR	NK Brand	5.3	4.0
SS RT 5999N	SS	1.3	3.3
99VPI-67	Public	2.0	—
USG 570nRR	USG	3.3	4.0
DP5806 RR	DPL	3.0	5.0
DG 3583NRR	Dyna-Gro	3.0	4.7
H5887RR	Hartz	0.0	3.5
XR59N24	Garst	0.7	3.0
AG5903	Asgrow	1.0	4.0
USG 7582nRR	USG	3.0	4.5
Progeny 5811RR	Progeny	2.0	4.0
AG5701	Asgrow	2.0	3.5
TVX58R102	Terral	2.0	3.0
HBK R5820	Hornbeck	1.0	3.7
TVX58R104	Terral	5.7	3.3
TV59R98	Terral	0.0	3.7
Progeny 5822RR	Progeny	3.0	4.0
ES XVT46RR	Eagle Seed	0.0	4.7
TV59R85	Terral	2.0	3.7
HBK R6020	Hornbeck	0.0	2.7
MorSoy RT5900	MorSoy	1.0	3.7
DK 5961RR	Delta King	1.0	4.3
ES Marshal RR	ES	6.0	6.7
DG 5960RR	Delta Grow	2.0	4.7
MorSoy RT5440	MorSoy	1.5	3.0
SS RT 5702N	Southern States	1.0	4.0
DK XTJ053RR	Delta King	2.0	4.3
DP5915RR	DPL	0.0	3.0
99VPI-120	Public	3.0	—
DG 5950RR	Delta Grow	2.0	3.0

Public Varieties Entered

Arkansas Agricultural Experiment Station

UARK-5896

USDA Agricultural Research Service

Bolivar
DT96-6840 (Exp.)
DT97-6308 (Exp.)
DT98-7278 (Exp.)
DT98-9102 (Exp.)

Virginia Agricultural Experiment Station

Hutcheson
99VPI-67 (Exp.)
99VPI-120 (Exp.)

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 44R5	Armor 54-Z4 Armor 56-J6 Armor 39-E9 Armor 49-D9 (Exp.) Armor AXR 5135 (Exp.)
Cache River Valley Dev. Corp. P.O. Box 10 - Hwy. 226 Cash, AR 72421	Dixie 4803RR MorSoy RT3881 MorSoy RT4480 MorSoy RT4731 MorSoy RT4809	MorSoy RT5252 (Exp.) MorSoy RT5442 (Exp.) MorSoy RT5440 MorSoy RT5620 MorSoy RT5900
Delta and Pine Land Co. 7265 Hwy. 9 South Centre, AL 35960	DP4344RR DP4690RR SG498RR DP4748S DPX4727RR (Exp.) DPX4933RR (Exp.) DPX3761RR (Exp.) DPX3940RR (Exp.) DPX4527RR (Exp.) DPX5734RR (Exp.)	DP5644RR DP5806RR DP5915RR DP5414RR DP5989 DP5110S DPX3819RR (Exp.) DPX4446RR (Exp.) DPX4431RR (Exp.)
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 4860RR Delta Grow 4950RR Delta Grow 5250RR Delta Grow 5450RR	Delta Grow 5960RR Delta Grow 5630RR Delta Grow 5950RR Delta Grow 5350RR
Delta King Seed Company 522 Poplar Ave. McCrory, AR 72101	DK3961RR DK3964RR DK4461RR DK4763RR DK4762RR DK4868RR DK4965RR DK5366RR DK5465RR DK5661RR DK5668RR DK5850 DK5961RR	DK3862RR DK3968RR DK5995 DK XTJ033RR (Exp.) DK XTJ040RR (Exp.) DK XTJ041RR (Exp.) DK XTJ048RR (Exp.) DK XTJ051RR (Exp.) DK XTJ057RR (Exp.) DK XTJ302RR (Exp.) DK XTJ301RR (Exp.) DK XTJ303RR (Exp.)
Eagle Seed Company P.O. Box 308 Weiner, AR 72479	ES Marshal RR ES Prairie RR ES XUT46RR (Exp.)	
FFR Seed 969 Cloverleaf Drive Southaven, MS 38671	FFR 4712 FFR 4891 FFR 4922	
Garst Seed Company 761 Walnut Knoll Lane, Suite 200 Memphis, TN 38018	AgriPro 4888RR Garst 4512RR/N Garst 5512RR/N	Garst 6112RR/N (was XR0162N44) Garst XR49N49 (Exp.) Garst XR59N24 (Exp.)
Genesis Brand Seed P.O. Box 21085 Lansing, MI 48909	Genesis A484RR Genesis C444RR Genesis C514RR	
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK 4891 HBK 4944CX HBK 5991 HBK R4622 HBK R4820 HBK R4920 HBK R5101	HBK R5422 HBK R5620 HBK R5820 HBK R6020 HBK R3980 HBK XR390-02 (Exp.)

Land O'Lakes/Croplan Genetics 4990 N. County Rd. 583 Blytheville, AR 72315	RC 4222 (Exp.) RC 4432 RC 4444 RC 4992 (Exp.)	RC 4995 RC 5252 RC 5332 (Exp.)
Lawhon Farm Service P.O. Box 970 McCrory, AR 72101	DK XTJ044RR (Exp.) DK XTJ046RR (Exp.) DK XTJ053RR (Exp.)	DK XTJ055RR (Exp.) DK XTJ059RR (Exp.) DK XTJ488RR (Exp.)
Monsanto Company 3100 Sycamore Rd. DeKalb, IL 60115	Asgrow A5427 Asgrow AG3702 Asgrow AG3902 Asgrow AG3903 Asgrow AG4201 Asgrow AG4403 Asgrow AG4603 Asgrow AG4902 Asgrow AG5301 Asgrow AG5501	Asgrow AG5603 Asgrow AG5701 Asgrow AG5903 Hartz H3090RR Hartz H4454RR Hartz H4554RR Hartz H5223RR Hartz H5444RR Hartz H5887RR
Pioneer, A Dupont Co. 6767 Old Madison Pike Suite 110 Huntsville, AL 35806	Pioneer variety 9492 Pioneer variety 94B13 Pioneer variety 94B73 Pioneer variety 94B74 Pioneer variety 95B42	Pioneer variety 95B43 Pioneer variety 95B53 Pioneer variety 9594 Pioneer variety 95B96 Pioneer variety 95B97
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 4303RR (Exp.) Progeny 4401RR (Exp.) Progeny 4858RR Progeny 4910 Progeny 4932RR (Exp.) Progeny 5001RR (Exp.) Progeny 5120N Progeny 5250RR (Exp.)	Progeny 5415RR Progeny 5440RR (Exp.) Progeny 5580RR (Exp.) Progeny 5600 Progeny 5660RR Progeny 5900RR Progeny 5822RR Progeny 5811RR
Southern States Coop P.O. Box 26234 Richmond, VA 23260	SS RT3502 SS RT3702 SS RT3975 SS RT446N SS RT4502N SS RT4980 SS RT4902	SS RT517N SS RT5001N SS RT5302N SS RT540N SS RT 557N SS RT5702N SS RT 5999N
Syngenta Seed 100 Sangria Drive Hattiesburg, MS 39402	NK S39-Q4 NK S40-R9 NK S52-U3	NK S56-D7 NK S59-V6RR NK X248R (Exp.)
Terral Seed Inc. 905 Broadway Ext. N Greenville, MS 38703	TVX47R102 (Exp.) TVX49R102 (Exp.)	TVX58R102 (Exp.) TVX58R104 (Exp.)
Terral Seed Company P.O. Box 826 Lake Providence, LA 71254	TV4886RR TV4890RR TV59R85 TV5486RR TV5666RR TV4589RR TV52R42	TV59R98 TVX39R201 (Exp.) TV54R11 (was TVX5R400) TV56R11 (was TVX5R600) TV58R11 (was TVX58R001) TVX62R001 (Exp.)
UAP Mid South 57 Germantown Court Suite 200 Cordova, TN 38018	DG 3443NRR DG 3463NRR DG 3562NRR DG 3484NRR	DG 3535NRR DG 3583NRR DGX419NRR (Exp.)
UniSouth Genetics 2640-C Nolensville Rd. Nashville, TN 37211	USG 540nRR USG 7440nRR USG 7547RR USG 7522nRR	USG 7582nRR USG 570nRR USG 7499nRR USG 510nRR

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