Mississippi Soybean Variety Trials, 2003

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Recognition is given to Jessie L. Selvie and Jerry W. Nail, research technicians for the Variety Testing Program, for their assistance in packaging, planting, harvesting, and recording plot data; and Robert Goss, student worker for the Experimental Statistics Unit, for statistical analyses and computing assistance. This publication was prepared by Jimmie Cooper, administrative secretary for MAFES Research Support Units. It was published by the Office of Agricultural Communications, a unit of the Division of Agriculture, Forestry, and Veterinary Medicine at Mississippi State University. Information Bulletin 404

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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 2003 (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 three rows, which were 16 inches wide at two 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 74 to 86 may be used to select varieties that have genetically inherited resistance to the problem. Stem canker ratings shown in this report were determined by Dr. Gabe Sciumbato, plant pathologist, MAFES.

How to Select Varieties

In Problem or Difficult Fields

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

(2) Use Tables 84 to 117 to select varieties for fields that need nematode or other pest resistance.

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

In Nonproblem Fields

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

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

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

Planting Date and Maturity Date

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

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

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

Herbicide-Resistant Varieties

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

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

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

General Characteristics of Varieties

Soybean varieties differ in significant characteristics that may not affect their performance. Tables 77 to 84 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 77 to 84, 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 2003 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*
DP4748S	DPL	56.6	59.4	60.8	27.9	50.7	61.0	41.7	26.9	43.2		47.3
HBK 4944CX	Hornbeck	47.6	48.2	52.6	21.1	41.9	52.0	51.7	18.5	40.8		41.4
HBK 4992	Hornbeck	51.6	60.8	53.3	21.8	46.5	48.0	61.1	23.0	44.1		45.4
Progeny 4910	Progeny	50.2	68.8	67.9	23.8	52.9	54.1	65.2	26.2	48.5		50.9
DT97-4290 (E)	Public	38.2	52.8	53.4	21.5	41.8	60.8	58.0	21.0	46.6		43.9
DT98-7278 (E)	Public	55.8	70.8	53.0	18.5	49.0	62.5	61.5	21.6	48.5		48.8
DT98-9102 (E)	Public	50.2	65.4	55.9	20.0	47.7	57.7	67.3	19.2	48.1		47.9
DT99-17400 (E)	Public	45.2	69.6	45.4	24.9	46.4	58.7	43.5	8.1	36.8		42.1
R98-1817 (E)	Public	62.9	73.0	62.8	27.3	55.9	60.4	68.9	31.8	53.7		54.9
Overall Mean		50.9	63.2	56.1	23.0	48.1	57.3	57.6	21.8	45.6		46.9
LSD (.10)		12.6	7.4	6.2	1.9	3.2	4.8	10.0	8.9	4.6		2.7
Error degrees of freedom		8	16	16	16	56	16	16	16	48		104
CV (%)		13.5	8.2	7.6	5.8	9.4	5.8	12.2	28.7	12.6		10.9
R^2 (%)		72	81	79	91	96	79	75	64	94		95

[1](E) = Experimental.

Table 2. Summary of Yields for Maturity Group V Early for the 2003 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	63.9	65.1	58.0	15.0	49.3	56.2	30.8	58.2	48.4		48.9
Armor 56-C4	Armor	58.2	72.8	68.8	12.7	52.6	63.7	42.2	72.0	59.3		55.6
A5427	Asgrow	59.6	68.4	60.1	22.8	52.1	67.7	19.6	63.3	50.2		51.2
DP5110S	DPL	73.3	66.7	70.4	20.5	56.3	59.8	26.0	59.5	48.4		52.8
DPX 5520S (E)	DPL	69.1	66.1	68.4	22.8	55.4	59.2	41.1	65.6	55.3		55.4
Progeny 5600	Progeny	65.1	68.6	66.4	14.6	52.6	51.0	35.3	73.3	53.2		52.9
USG 5002T (E)	USG	71.5	75.7	62.7	20.5	56.3	67.3	21.1	65.0	51.1		54.0
USG 5601T	USG	61.0	68.9	60.5	14.1	50.3	61.3	28.0	72.1	53.8		51.8
ANAND	Public	44.9	66.5	62.9	14.3	47.3	70.5	30.0	58.6	53.0		49.9
Delsoy 5500	Public	70.2	69.7	64.2	10.5	52.1	53.8	35.1	71.2	53.4		52.7
DT99-17483 (E)	Public	70.6	65.6	64.4	21.6	54.2	55.1	25.0	66.9	49.0		51.9
Ozark	Public	65.1	73.5	62.3	17.4	53.6	61.5	36.0	79.7	59.0		56.1
R97-1634 (E)	Public	73.8	75.6	71.9	11.7	56.8	62.0	40.1	73.4	58.5		57.6
V96-0340 (E)	Public	78.7	69.3	66.5	24.3	58.0	59.3	33.8	75.7	56.3		57.2
Overall Mean		66.1	69.5	64.8	17.3	53.4	60.6	31.7	68.2	53.5		53.4
LSD (.10)		14.5	5.4	5.0	3.0	3.1	5.8	8.0	8.5	4.3		2.5
Error degrees of freedom		13	26	26	26	91	26	26	26	78		169
CV (%)		12.4	5.6	5.5	12.3	8.2	6.8	18.2	9.0	10.1		9.1
R^2 (%)		73	57	67	87	98	74	78	64	94		97

[1](E) = Experimental.

Table 3. Summary of Yields for Maturity Group V Late for the 2003 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*
DK5995	Delta King	71.2	69.9	66.1	12.8	53.5	56.4	45.5	59.0	53.6	53.6
ESX-RB5 (E)	Eagle Seed	32.6	49.5	51.3	14.4	37.4	43.6	27.6	54.0	41.7	39.3
HBK 5991	Hornbeck	55.2	75.6	56.5	9.0	48.5	52.7	46.5	65.7	55.0	51.4
HBK 5592	Hornbeck	72.8	63.1	64.4	6.3	49.8	45.9	38.1	61.7	48.6	49.2
9594	Pioneer	65.1	73.6	65.3	10.3	52.5	46.9	44.2	78.9	56.7	54.4
95B97	Pioneer	56.9	71.0	60.4	12.2	49.5	54.4	37.3	64.1	51.9	50.6
Bolivar	Public	51.2	59.2	54.2	12.1	43.5	43.3	41.0	64.1	49.5	46.2
Desha	Public	72.2	61.1	65.6	15.5	51.9	43.0	48.2	54.6	48.6	50.4
DT98-11850 (E)	Public	61.8	68.5	55.7	12.6	48.6	49.9	37.3	63.5	50.2	49.3
DT99-17574 (E)	Public	46.4	63.5	51.5	16.9	44.4	44.1	20.7	51.2	38.7	41.8
Freedom	Public	53.2	58.6	62.4	9.5	45.2	48.5	38.3	62.3	49.7	47.2
Hutcheson	Public	70.2	69.4	63.6	12.2	52.4	39.5	40.9	68.0	49.5	51.1
Lonoke	Public	67.9	69.5	56.9	12.6	50.2	48.0	45.1	63.6	52.3	51.2
XR98-209 (E)	Public	60.9	55.2	62.1	7.4	45.1	42.5	35.2	52.2	43.3	44.3
Overall Mean		59.8	64.8	59.7	11.7	48.0	47.1	39.0	61.6	49.2	48.6
LSD (.10)		15.5	6.0	4.2	5.0	3.4	7.2	9.8	10.7	5.3	3.0
Error degrees of freedom		13	26	26	26	91	26	26	26	78	169
CV (%)		14.6	6.6	5.1	30.5	9.9	11.0	18.1	12.4	13.7	11.8
R^2 (%)		80	82	82	52	98	74	65	63	84	95

[1](E) = Experimental.

Table 4. Summary of Yields for Maturity Group III Roundup Ready for the 2003 Mississippi Soybean Variety Trials.[1]

Variety	Brand	MSU	Hill avg.	Stoneville Irr.	Stoneville Nonirr.	Delta avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 39-E9	Armor	18.0	18.0	56.1	33.9	45.0		36.0
AG3702	Asgrow	39.0	39.0	59.5	35.1	47.3		44.5
AG3903	Asgrow	22.3	22.3	55.7	32.3	44.0		36.7
AG3905	Asgrow	42.3	42.3	64.9	43.4	54.1		50.2
DK 3961RR	Delta King	31.3	31.3	56.7	35.8	46.3		41.3
DK 3968RR	Delta King	19.9	19.9	57.2	31.2	44.2		36.1
DK XTJ439RR (E)	Delta King	23.8	23.8	60.0	39.5	49.8		41.1
DP3861RR	DPL	26.8	26.8	62.9	33.7	48.3		41.1
DPX3940RR (E)	DPL	29.9	29.9	60.1	42.7	51.4		44.2
DPX3932RR (E)	DPL	26.7	26.7	67.3	43.5	55.4		45.8
NK S39-Q4	NK	26.3	26.3	61.4	38.3	49.8		42.0
93B67	Pioneer	28.8	28.8	50.5	32.0	41.3		37.1
93M90	Pioneer	24.4	24.4	61.0	32.2	46.6		39.2
PGY 3900RR (E)	Progeny	31.4	31.4	69.7	41.1	55.4		47.4
TVX37R301 (E)	Terral	31.2	31.2	70.9	38.5	54.7		46.9
TVX39R302 (E)	Terral	40.3	40.3	61.7	36.4	49.0		46.1
TVX39R306 (E)	Terral	34.2	34.2	57.5	35.6	51.6		45.8
TVX39R307 (E)	Terral	24.2	24.2	59.3	33.2	46.3		38.9
TVX39RS301 (E)	Terral	33.8	33.8	64.2	35.3	49.8		44.4
TVX40R301 (E)	Terral	39.3	39.3	60.5	34.0	47.2		44.6
Overall Mean		29.7	29.7	61.4	36.4	48.9		42.5
LSD (.10)		7.1	7.1	5.3	3.4	3.1		3.1
Error degrees of freedom		38	38	38	38	76		114
CV (%)		17.4	17.4	6.3	6.8	6.6		9.4
R^2 (%)		78	78	73	79	96		96

[1](E) = Experimental.

Table 5. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2003 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 44-R4	Armor	52.0	53.7	55.1	34.9	48.6	58.6	47.6	27.2	44.4	46.8
Armor 44-R5	Armor	41.2	42.1	58.2	31.1	43.3	68.4	45.8	21.9	45.4	44.2
AG4201	Asgrow	37.8	59.5	55.3	34.9	47.7	55.5	34.9	19.5	36.6	42.7
AG4403	Asgrow	44.2	53.4	56.7	32.1	46.8	56.2	44.8	36.5	45.8	46.3
AG4502	Asgrow	49.0	43.8	49.8	34.4	43.8	63.0	47.6	24.0	44.8	44.3
AG4603	Asgrow	44.8	51.6	58.9	32.3	47.1	54.6	49.9	20.5	41.7	44.7
DKB44-51	DEKALB	42.4	54.2	57.1	36.8	48.1	54.4	43.8	28.3	42.2	45.5
DKB46-51	DEKALB	34.9	57.1	57.7	36.2	47.6	57.1	53.0	14.9	41.6	44.9
DK4461RR	Delta King	36.3	59.1	54.6	34.4	47.0	59.9	55.5	33.5	49.6	48.2
DK XTJ401RR (E)	Delta King	46.3	59.2	59.2	34.5	50.1	55.5	54.8	29.5	46.6	48.5
DP4331RR	DPL	31.5	54.9	52.3	31.6	43.6	57.0	44.1	32.0	44.4	43.9
DP4690RR	DPL	46.9	57.0	53.9	33.1	47.8	49.8	49.4	24.2	41.1	44.8
DPX4446RR (E)	DPL	45.7	55.4	54.9	33.5	47.5	53.5	48.8	24.5	42.3	45.2
DG 3443NRR	Dyna-Gro	41.6	57.4	56.8	35.0	48.3	58.0	52.9	32.1	47.7	48.1
DG 3463NRR	Dyna-Gro	48.0	47.6	52.6	34.3	45.4	52.6	50.7	25.4	42.9	44.3
XR 46Y02 (E)	Garst	52.9	49.3	58.1	30.5	47.3	58.9	43.5	27.8	43.4	45.5
C444RR	Genesis	41.5	52.4	56.7	38.5	47.8	60.7	55.8	27.7	48.1	47.9
D421RR	Genesis	34.4	38.1	56.8	32.6	41.0	68.5	36.5	24.5	43.1	42.0
HBK R4623	Hornbeck	48.8	56.1	57.7	29.9	48.0	58.2	55.8	26.1	46.7	47.4
MorSoy RT4480	MorSoy	48.5	53.0	54.8	32.5	47.1	56.4	48.4	24.1	42.9	45.2
NK S43-B1	NK	39.1	51.3	58.1	32.5	45.8	50.1	35.7	20.1	35.3	41.1
94B13	Pioneer	43.9	39.4	49.4	30.5	40.5	58.3	33.6	18.3	36.8	38.8
94M41	Pioneer	30.4	45.8	48.4	31.2	39.7	55.7	39.2	14.7	36.5	38.3
Progeny 4401RR	Progeny	43.2	54.8	56.1	33.6	47.2	55.6	51.9	27.1	44.8	46.2
SS RT4502N	Southern States	43.0	59.0	51.9	32.7	47.0	56.2	49.3	24.6	43.4	45.4
TV4589RR	Terral	43.8	53.6	49.1	38.8	46.6	51.4	37.5	15.3	34.7	41.2
USG 7440nRR	USG	47.6	53.7	60.2	33.2	48.8	54.1	53.7	25.6	44.5	46.8
Overall Mean		43.0	52.3	55.2	33.5	46.3	57.0	46.8	24.8	42.9	44.7
LSD (.10)		14.1	10.5	4.6	3.9	4.0	6.3	9.1	8.7	4.6	3.0
Error degrees of freedom		26	52	52	52	182	52	52	52	156	338
CV (%)		19.3	14.7	6.0	8.4	12.3	8.1	14.2	25.7	13.9	13.0
R^2 (%)		57	53	62	50	84	62	63	53	90	88

[1](E) = Experimental.

Table 6. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2003 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*
AP 4888RR	AgriPro	61.7	60.0	55.7	26.1	49.9	54.6	56.7	27.9	46.4	48.3
Armor 47-G7	Armor	36.2	57.8	55.1	34.1	46.7	63.5	39.0	15.8	39.5	43.4
Armor 49-P9	Armor	71.5	66.3	66.8	32.1	58.0	59.9	56.6	25.6	47.4	53.2
AG4902	Asgrow	63.2	61.4	56.6	28.8	51.6	53.1	39.4	22.5	38.3	45.6
DG 4860RR	Delta Grow	63.6	54.8	57.3	28.3	49.8	67.6	42.6	26.8	45.6	48.0
DG 4950RR	Delta Grow	57.6	65.0	53.9	26.3	50.1	50.2	54.7	29.0	44.7	47.6
DG 4960RR	Delta Grow	67.5	64.4	59.4	34.2	55.4	64.5	69.1	30.6	54.7	55.1
DK 4763RR	Delta King	50.8	61.1	58.0	33.7	50.9	64.3	46.8	14.6	41.9	46.9
DK 4868RR	Delta King	55.4	73.6	60.8	34.6	56.2	57.0	46.6	20.9	41.5	49.6
DK 4967RR	Delta King	60.8	57.4	57.4	26.9	49.7	63.1	47.9	28.4	46.5	48.2
DK XTJ402RR (E)	Delta King	55.5	59.8	59.4	20.4	48.2	62.2	45.7	16.4	41.4	45.1
DK XTJ403RR (E)	Delta King	52.7	54.3	57.8	26.6	47.4	61.0	48.7	24.0	44.6	46.1
DK XTJ447RR (E)	Delta King	51.5	62.4	55.0	29.5	49.4	61.2	49.9	22.6	44.6	47.2
DK XTJ450RR (E)	Delta King	59.0	61.2	60.8	34.1	53.3	63.9	65.8	37.8	55.8	54.4
DP4724RR	DPL	54.7	58.6	59.3	27.3	49.6	55.9	36.9	26.9	40.0	45.2
DP4933RR	DPL	62.4	71.6	59.9	34.7	56.6	55.1	48.4	36.1	46.5	52.1
SG498RR	DPL	63.2	72.5	48.2	28.0	52.0	49.0	54.6	27.4	43.6	48.3
DG 3481NRR	Dyna-Gro	56.8	53.5	61.2	31.2	50.1	53.5	46.2	30.4	43.4	47.1
DG SX03149 (E)	Dyna-Gro	62.7	64.9	61.9	30.7	54.3	62.4	59.6	22.4	48.1	51.5
ESXVT-17RR (E)	Eagle	65.6	60.6	53.1	18.0	47.9	58.8	68.9	34.8	54.2	50.7
FFR 4922RR	FFR	66.5	74.9	59.6	35.0	58.3	53.6	56.6	29.7	46.6	53.1
XR48Y11 (E)	Garst	58.0	69.2	54.6	24.4	51.0	54.9	51.0	18.3	41.4	46.7
D484RR	Genesis	60.1	57.4	61.6	31.0	51.8	62.8	36.5	20.4	39.9	46.5
D491RR	Genesis	64.2	58.4	64.4	33.8	54.4	64.5	42.3	21.7	42.9	49.1
HBK R4820	Hornbeck	60.3	73.8	58.6	30.7	55.4	60.1	42.3	20.9	41.1	49.0
HBK R4920	Hornbeck	59.7	59.0	54.5	25.5	48.8	54.9	62.4	31.4	49.6	49.1
HBK R4922	Hornbeck	64.8	69.3	57.2	34.6	55.7	54.3	50.5	32.7	45.8	51.3
MorSoy RT4802	MorSoy	53.5	58.5	58.7	27.9	49.3	63.6	44.3	27.1	45.0	47.4
MorSoy RT4809	MorSoy	55.0	72.8	61.6	34.3	56.0	55.9	43.7	26.2	41.9	49.7
MorSoy RT4993 (E)	MorSoy	60.7	66.7	65.2	33.9	56.3	56.8	52.3	25.6	45.0	51.2
NK S49-Q9	NK	55.6	63.7	55.5	34.0	51.9	58.3	63.0	21.2	47.5	49.9
NK S50-N3	NK	59.6	58.8	52.9	27.3	48.7	56.6	56.6	23.3	45.5	47.3
94B73	Pioneer	54.0	52.6	58.2	39.1	50.7	58.0	35.6	19.4	37.7	44.8
94M70	Pioneer	62.0	47.3	55.1	34.4	48.6	58.1	31.7	15.8	42.5	42.6
Progeny 4703RR (E)	Progeny	53.3	68.3	57.0	25.7	50.9	45.2	71.6	29.5	48.8	49.9
Progeny 4884RR	Progeny	56.6	50.8	57.4	28.0	47.4	63.9	44.4	18.6	42.3	45.1
Progeny 4932RR	Progeny	49.3	73.3	56.5	33.0	53.4	52.7	59.4	29.7	47.3	50.6
PGY 4860RR (E)	Progeny	63.6	66.2	63.4	35.4	56.6	58.4	66.8	34.6	53.3	55.1
PGY 4949RR (E)	Progeny	59.0	60.4	65.0	34.7	54.4	65.1	55.9	24.1	48.4	51.7
SS RT4902	Southern States	62.2	70.9	56.9	33.3	55.2	54.4	53.3	30.7	46.1	51.1
SS RT4980	Southern States	63.4	66.4	52.3	25.2	50.8	49.5	43.1	26.9	39.8	45.9
SS RT4930	Southern States	65.1	58.1	61.9	33.1	53.6	65.5	57.5	29.1	54.0	53.8
SS RT517N	Southern States	55.4	70.8	57.4	31.0	53.5	54.1	59.4	37.9	50.5	52.1
SS RT5001N	Southern States	55.6	60.1	55.8	31.8	50.4	51.6	61.6	39.5	50.9	50.6
TV4886RR	Terral	48.2	56.3	50.3	30.7	46.2	41.8	43.8	25.6	37.1	42.1
TV4890RR	Terral	51.5	46.5	50.9	33.3	45.0	53.2	36.3	13.7	34.4	40.2
TVX47R1K2 (E)	Terral	51.1	53.7	50.6	26.3	44.9	45.6	41.9	29.2	38.9	42.2
TVX47R2P1 (E)	Terral	55.1	54.9	51.3	25.3	45.9	44.8	43.1	26.7	38.2	42.4
TVX48R1U1 (E)	Terral	48.2	56.7	48.2	26.8	44.7	44.7	51.9	28.2	41.6	43.3
TVX49R1L2 (E)	Terral	61.9	62.7	58.5	30.9	52.7	52.6	55.4	27.5	45.2	49.3
TVX49R2Z1 (E)	Terral	53.9	66.2	56.8	26.3	50.5	50.5	54.0	32.5	45.6	48.3
TVX49R2Y4 (E)	Terral	58.6	66.3	54.0	26.5	50.7	49.1	54.1	27.6	43.6	47.5
V49N3RR	Vigoro	51.2	55.9	56.9	28.2	47.8	60.7	37.1	22.6	40.1	44.3
Overall Mean		57.9	62.0	57.3	30.1	51.3	56.5	50.8	26.2	44.5	48.2
LSD (.10)		13.0	5.2	3.8	3.2	3.0	6.3	7.1	6.8	3.9	2.4
Error degrees of freedom		52	104	104	104	364	104	104	104	312	676
CV (%)		13.4	7.4	4.8	7.8	8.4	8.2	10.4	19.2	11.2	9.6
R^2 (%)		63	78	79	84	95	74	84	70	93	94

[1](E) = Experimental.

Table 7. Summary of Yields for Maturity Group V Early Roundup Ready for the 2003 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*
AGSE-531 (E)	AgSouth	65.3	68.9	68.9	14.0	53.3	60.2	63.7	51.0	58.3	55.5
Armor 53-K3	Armor	66.4	60.7	59.3	21.0	50.5	47.2	55.3	31.7	44.7	47.9
Armor 56-J6	Armor	64.2	65.0	71.7	15.4	53.2	50.0	54.5	39.7	48.1	50.9
AXR 5313 (E)	Armor	63.8	67.6	66.6	23.3	54.5	57.5	61.6	39.8	53.0	53.8
AG5301	Asgrow	68.1	63.1	61.3	20.9	52.0	54.2	47.1	33.0	44.8	48.7
AG5501	Asgrow	69.6	62.5	69.6	23.0	54.9	59.4	45.4	38.5	47.7	51.7
AG5605	Asgrow	60.8	63.7	63.6	13.4	49.4	62.1	56.0	40.6	52.9	51.0
DKB51-51	DEKALB	68.4	51.0	62.3	26.9	50.7	49.7	31.5	18.5	33.2	42.8
DKB53-51	DEKALB	57.3	74.1	64.4	17.2	52.9	51.6	61.1	38.9	50.5	51.8
DG 5260RR	Delta Grow	58.4	71.8	65.4	17.7	52.9	48.7	66.1	38.5	51.1	52.1
DG 5460RR	Delta Grow	69.6	62.1	62.4	13.4	50.2	55.4	64.1	38.3	52.6	51.3
DG 5630RR	Delta Grow	71.5	67.8	69.1	16.9	55.0	56.4	57.9	44.4	52.9	54.0
DG 5650RR	Delta Grow	70.6	60.9	68.0	14.4	51.9	56.5	59.8	39.9	52.1	52.0
DK 5366RR	Delta King	69.4	70.3	71.7	16.6	55.9	60.3	53.9	44.8	53.0	54.6
DK 5465RR	Delta King	67.7	56.6	62.5	20.8	50.5	56.6	42.3	33.2	44.0	47.6
DK 5561RR	Delta King	52.6	57.2	55.0	16.4	44.6	54.5	46.9	28.1	43.2	44.0
DK 5661RR	Delta King	62.5	71.9	68.3	16.2	54.0	58.9	58.5	38.2	51.9	53.1
DK 5668RR	Delta King	73.5	64.5	70.9	18.6	55.4	55.6	55.0	50.2	53.6	54.6
DK XTJ404RR (E)	Delta King	65.5	71.1	74.0	15.1	55.6	55.5	66.5	44.6	55.5	55.6
DK XTJ405RR (E)	Delta King	52.7	58.4	54.2	16.8	44.9	50.6	43.2	22.5	38.8	42.1
DK XTJ452RR (E)	Delta King	73.4	69.0	67.7	29.1	58.6	50.8	61.9	42.8	51.9	55.6
DP5414RR	DPL	67.4	58.7	67.4	15.2	50.8	59.2	55.8	45.1	53.4	52.0
DP5634RR	DPL	64.9	62.5	69.0	13.4	51.3	62.1	59.9	42.9	55.0	53.0
DP5644RR	DPL	66.3	61.4	65.8	16.5	51.2	54.8	57.1	45.3	52.4	51.8
DG 33B52	Dyna-Gro	77.3	67.1	69.6	23.1	57.6	57.3	56.2	43.3	52.3	55.2
DG 3535NRR	Dyna-Gro	60.5	67.5	69.4	20.9	54.0	53.2	59.3	45.8	52.8	53.5
DG 3562NRR	Dyna-Gro	73.1	69.1	71.1	17.8	56.4	51.0	53.9	46.8	50.6	53.8
DG SX03152 (E)	Dyna-Gro	54.6	63.8	62.3	22.9	50.6	44.9	53.4	33.5	44.0	47.6
ESXVT-18RR (E)	Eagle	59.6	45.2	55.4	10.7	41.2	45.0	58.6	47.2	50.2	45.3
ESXVT-19RR (E)	Eagle	58.1	51.5	63.3	10.7	44.8	50.3	51.2	46.7	49.4	46.9
5225RR	FFR	65.6	62.8	65.7	22.1	53.0	55.5	55.7	41.6	51.0	52.1
5542RR	FFR	52.5	60.6	60.3	19.7	47.9	51.7	46.0	33.1	43.6	46.0
5212RR/N	Garst	59.1	60.9	64.3	20.6	50.5	48.4	52.0	43.1	47.8	49.3
XR57N20 (E)	Garst	69.0	66.3	68.9	15.6	53.7	51.5	57.1	42.2	50.3	52.2
D524RR	Genesis	66.7	69.2	65.1	18.5	53.7	59.0	58.3	36.4	51.2	52.6
HBK R5123	Hornbeck	64.4	48.4	57.2	13.1	44.1	40.5	39.4	40.2	40.0	42.3
HBK R5422	Hornbeck	62.2	63.7	66.7	19.8	52.2	53.1	56.5	40.3	50.0	51.2
HBK R5620	Hornbeck	68.7	70.0	69.1	18.9	55.6	56.0	55.8	42.6	51.5	53.8
MorSoy RT5252	MorSoy	70.7	64.5	65.0	20.3	53.7	59.3	55.9	31.3	48.9	51.5
MorSoy RT5620	MorSoy	71.6	67.1	73.3	16.2	55.8	53.2	57.8	50.9	54.0	54.9
MorSoy RT5553 (E)	MorSoy	64.4	68.7	66.9	18.7	53.8	62.3	61.2	49.0	57.5	55.5
NK S52-U3	NK	51.2	60.0	61.8	14.7	46.5	51.9	63.4	37.9	51.1	48.6
NK S56-D7	NK	69.4	67.6	69.0	16.7	54.4	52.3	63.9	53.5	56.6	55.4
95B42	Pioneer	65.2	69.6	64.9	20.2	54.0	53.0	60.0	39.6	50.9	52.6
95B43	Pioneer	72.8	76.1	68.5	15.0	56.7	46.9	58.3	37.4	47.5	52.6
Progeny 5250RR	Progeny	66.1	67.0	66.1	20.6	53.9	57.6	54.6	38.4	50.2	52.3
Progeny 5415RR	Progeny	59.9	57.4	64.5	17.1	48.8	55.2	44.9	31.3	43.8	46.6
Progeny 5660RR	Progeny	64.6	68.9	69.8	15.0	53.7	57.2	58.2	50.1	55.1	54.3
PGY 5503RR (E)	Progeny	65.9	65.9	62.6	12.8	50.5	63.2	56.8	43.3	54.4	52.3
SS RT5302N	Southern States	64.2	63.0	66.6	22.1	53.0	53.4	49.0	43.2	48.5	51.0
SS RT557N	Southern States	67.1	69.8	61.9	23.2	54.5	45.8	58.7	40.9	48.5	51.8
SS RT5602	Southern States	40.9	61.0	61.2	17.0	45.4	58.2	45.9	32.4	45.5	45.5
TV52R42	Terral	56.8	53.3	64.7	25.3	49.4	51.1	46.0	27.6	41.6	45.9
TV52R301 (E)	Terral	60.5	69.5	67.4	19.9	53.8	61.6	56.2	22.9	46.9	50.7
TV54R11	Terral	72.1	60.8	64.5	16.3	51.7	59.7	47.7	29.3	45.6	49.0
TV56R11	Terral	61.7	60.9	68.6	13.5	50.2	52.6	60.0	48.1	53.5	51.7
TVX56R1B2 (E)	Terral	65.8	55.1	56.9	14.3	46.4	50.2	54.5	44.5	49.7	47.9
TVX56R3K1 (E)	Terral	55.5	61.0	59.1	13.1	46.4	53.1	65.2	52.0	56.8	51.1
USG 7524nRR (E)	USG	60.8	52.8	61.3	15.1	46.3	42.6	25.1	47.9	38.5	42.8
USG 540nRR	USG	66.8	59.1	66.1	18.5	51.3	59.1	50.5	34.2	47.9	49.8
USG 7547RR	USG	55.0	64.8	63.2	20.8	50.6	49.0	56.1	38.5	47.8	49.4
USG 7553nRR (E)	USG	66.4	68.1	63.2	15.3	52.1	55.9	55.8	40.6	50.7	51.5
USG 7562nRR	USG	59.8	65.2	69.3	18.6	52.6	54.0	60.6	37.5	50.7	51.8
USG 7563nRR (E)	USG	66.3	65.1	66.7	18.9	53.1	56.1	56.1	36.9	50.0	51.6
V562NRR	Vigoro	69.0	65.8	72.5	13.9	54.1	43.7	57.2	45.8	48.9	51.8
CavinessRR (E)	Public	57.5	56.5	58.4	21.0	47.5	44.2	45.4	41.0	43.6	45.7
Md92-5769RR (E)	Public	57.6	64.3	61.9	14.1	48.7	54.0	46.9	31.0	44.0	46.6
S99-2447-02RR (E)	Public	70.8	69.5	68.6	10.9	53.5	46.4	61.5	43.9	50.6	52.2
99VPI-67 (E)	Public	62.8	58.2	60.2	14.1	47.6	51.2	53.3	41.6	48.7	48.1
Overall Mean		64.1	63.5	65.3	17.7	51.6	53.6	54.6	39.9	49.4	50.6
LSD (.10)		10.7	6.1	3.0	5.0	2.9	7.1	6.7	7.4	4.1	2.4
Error degrees of freedom		68	136	135	135	476	136	136	136	408	884
CV (%)		10.0	7.1	3.4	20.9	8.0	9.7	9.1	13.7	10.6	9.2
R^2 (%)		71	73	86	63	98	62	84	74	85	96

[1](E) = Experimental.

Table 8. Summary of Yields for Maturity Group V Late Roundup Ready for the 2003 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*
AGSE-572 (E)	AgSouth	51.3	68.2	69.5	12.7	50.4	54.0	66.1	43.2	54.4		52.2
AGSE-574 (E)	AgSouth	65.3	62.8	77.5	14.2	54.0	59.6	57.1	44.2	53.6		53.8
AGSE-587 (E)	AgSouth	65.2	62.3	67.2	7.0	49.1	60.2	51.5	47.9	53.2		50.9
AXR 5881 (E)	Armor	69.6	66.3	64.9	16.1	52.8	51.8	52.3	48.5	50.8		51.9
AXR 5981 (E)	Armor	63.2	59.1	76.1	22.5	54.4	53.9	53.4	40.9	49.4		52.2
AG5701	Asgrow	59.7	67.8	74.7	16.3	54.2	55.9	57.3	49.8	54.3		54.3
AG5903	Asgrow	60.2	59.1	76.2	14.1	51.7	64.8	62.2	46.9	58.0		54.5
DG 5960RR	Delta Grow	63.8	61.9	75.9	22.5	55.3	53.1	52.0	42.2	49.1		52.5
DK 5767RR	Delta King	67.0	63.9	77.2	17.7	55.5	54.8	58.1	39.9	51.0		53.4
DK 5967RR	Delta King	69.9	57.9	70.1	22.0	53.6	55.3	52.5	37.9	48.6		51.4
DK XTJ406RR (E)	Delta King	70.8	65.7	73.1	17.0	55.3	61.5	59.3	34.8	51.9		53.8
DK XTJ407RR (E)	Delta King	69.5	58.3	80.7	22.6	56.7	45.5	51.7	40.7	46.0		51.9
DK XTJ457RR (E)	Delta King	70.2	59.1	77.8	16.6	54.6	57.9	54.9	43.2	52.0		53.4
DK XTJ4R58 (E)	Delta King	68.0	58.5	68.2	8.3	49.2	62.5	51.7	50.0	54.8		51.7
DP 5806RR	DPL	57.3	46.3	60.6	16.0	43.9	53.2	52.5	46.8	50.8		47.1
DP 5915RR	DPL	67.0	52.5	72.2	14.0	50.0	61.6	53.1	45.9	53.6		51.6
DG 3583NRR	Dyna-Gro	68.9	61.8	74.8	23.0	56.1	58.8	52.9	37.4	49.7		53.2
DG 38K57	Dyna-Gro	66.1	66.5	70.8	17.5	54.2	53.3	56.7	40.5	50.2		52.4
DG SX03157 (E)	Dyna-Gro	54.2	66.4	71.4	13.7	51.2	45.1	60.1	41.1	48.8		50.1
ESXVT-34RR (E)	Eagle	74.5	51.4	67.0	12.9	49.3	51.3	36.6	51.2	46.4		48.0
ESXVT-41RR (E)	Eagle	68.3	45.7	71.4	9.6	47.0	51.7	43.9	44.4	46.7		46.8
ESXVT-46RR (E)	Eagle	66.6	52.2	68.7	17.1	49.7	57.0	49.6	43.1	49.9		49.8
FFR 5702RR	FFR	61.6	57.2	72.9	11.2	49.7	51.3	45.5	42.4	46.4		48.2
Garst 5812RR/N	Garst	58.9	52.7	66.0	19.3	48.4	54.5	51.6	37.1	47.7		48.1
Garst XR59N25 (E)	Garst	65.0	51.4	77.0	21.2	52.6	63.2	55.3	39.3	52.6		52.6
Garst 6112RR/N	Garst	72.5	49.3	71.3	16.8	50.6	64.2	58.7	48.0	57.0		53.5
HBK R5823	Hornbeck	58.9	61.9	65.3	16.6	49.9	53.4	59.4	46.1	53.0		51.3
HBK R6020	Hornbeck	60.4	54.8	72.5	13.2	49.3	52.3	35.6	43.9	43.9		46.9
MorSoy RT5773 (E)	MorSoy	58.0	63.4	75.0	18.7	53.4	63.3	59.7	38.0	53.7		53.5
MorSoy RT5903 (E)	MorSoy	62.7	66.7	74.8	21.1	55.7	51.9	49.1	41.9	47.6		52.1
NK S57-P1	NK	44.0	59.9	73.8	18.3	49.4	57.1	59.7	40.0	52.3		50.7
95B96	Pioneer	59.3	63.5	71.1	12.4	50.9	53.5	52.0	43.4	49.6		50.3
Progeny 5822RR	Progeny	59.5	60.0	75.2	20.4	53.2	54.0	57.1	45.1	52.1		52.7
PGY 5703RR (E)	Progeny	69.3	67.9	73.3	16.7	55.7	55.8	48.7	38.7	47.7		52.1
SS RT5702	Southern States	65.7	56.6	69.2	10.0	49.0	52.3	45.3	46.6	48.1		48.6
SS RT5999	Southern States	56.2	57.2	66.0	17.5	48.6	53.8	53.5	44.3	50.5		49.5
TV58R11	Terral	63.9	46.5	64.8	13.2	45.6	54.7	57.1	40.7	50.8		48.0
TVX57R2M1 (E)	Terral	58.1	57.4	58.7	14.8	46.3	57.1	59.1	53.3	56.5		50.9
TVX57R301 (E)	Terral	57.2	70.3	74.1	25.9	58.7	57.0	52.6	33.5	47.7		53.8
TVX58R1V2 (E)	Terral	57.6	50.4	63.0	20.4	48.8	53.5	51.8	39.9	48.4		48.6
TVX58R2W1 (E)	Terral	62.6	51.2	64.4	21.5	48.8	52.8	39.3	40.0	44.0		46.6
TVX59R98	Terral	60.5	47.2	64.5	13.9	45.3	52.3	52.2	37.9	47.5		46.3
TVX59R2Q1 (E)	Terral	66.0	55.5	63.0	20.0	49.8	50.7	49.8	39.9	46.8		48.4
TVX59R301 (E)	Terral	63.8	60.0	78.6	17.5	54.2	55.7	51.7	42.0	49.8		52.2
TVX62R001	Terral	61.3	48.4	67.8	16.6	47.3	64.0	60.2	47.1	57.1		51.7
USG 570nRR	USG	67.2	63.1	78.4	13.7	54.6	60.5	60.5	45.4	55.5		55.0
USG 7582nRR	USG	68.5	58.5	74.7	21.4	54.6	53.7	52.8	39.3	48.6		51.9
99VPI-120 (E)	Public	54.0	53.1	61.1	15.0	45.1	57.5	45.3	48.6	50.5		47.5
Overall Mean		63.5	58.3	70.9	16.7	51.3	55.7	53.1	43.0	50.6		51.0
LSD (.10)		10.0	6.5	5.2	3.4	3.0	8.2	8.0	5.4	4.2		2.5
Error degrees of freedom		47	94	94	94	329	94	94	94	282		611
CV (%)		9.4	8.3	5.4	15.1	8.2	10.9	11.1	9.2	10.7		9.4
R^2 (%)		66	75	75	83	98	50	74	65	78		95

[1](E) = Experimental.

Table 9. Summary of 2-Year Yields for Maturity Group IV for the 2002 and 2003 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	57.9	65.3	32.1	55.2	50.5	39.8	45.2		51.8
HBK 4944CX	Hornbeck	59.8	43.3	55.8	29.1	46.4	45.7	28.5	37.1		43.2
Progeny 4910	Progeny	68.7	60.6	69.0	31.3	56.9	47.6	38.5	43.1		52.2
DT98-7278 (E)	Public	67.8	61.9	62.0	26.6	54.0	58.3	36.8	47.6		51.8
DT98-9102 (E)	Public	62.3	67.0	63.8	30.5	55.6	53.5	35.7	44.6		51.8
Overall Mean		65.2	58.1	63.2	29.9	53.6	51.1	35.9	43.5		50.2
LSD (.10)		7.2	7.5	3.9	1.7	2.6	5.0	4.2	3.2		2.0
Error degrees of freedom		12	16	16	16	60	16	16	32		92
CV (%)		9.8	12.9	6.1	5.6	9.8	9.8	11.7	10.6		10.1
R^2 (%)		88	77	87	98	95	84	96	94		95

[1](E) = Experimental.

Table 10. Summary of 2-Year Yields for Maturity Group V Early for the 2002 and 2003 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	66.4	66.2	63.6	26.4	55.2	47.0	35.1	42.9	41.7		49.2
A5427	Asgrow	67.8	66.5	67.0	31.9	57.9	65.6	40.3	34.3	46.7		53.0
DP5110S	DPL	74.7	67.9	72.0	31.6	61.0	54.5	38.6	41.4	44.8		53.9
Progeny 5600	Progeny	68.6	67.5	67.0	28.5	57.4	51.7	43.6	46.0	47.1		52.9
Overall Mean		69.4	67.0	67.4	29.6	57.9	54.7	39.4	41.1	45.1		52.2
LSD (.10)		7.4	7.9	3.1	1.8	2.6	4.8	4.3	5.4	2.6		1.8
Error degrees of freedom		9	12	12	12	45	12	12	12	36		81
CV (%)		9.3	11.5	4.5	5.9	9.0	8.5	10.5	12.8	10.4		9.6
R^2 (%)		67	23	87	99	96	88	99	94	97		97

[1]All are released varieties.

Table 11. Summary of 2-Year Yields for Maturity Group V Late for the 2002 and 2003 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*
DK5995	Delta King	72.3	67.7	71.2	25.7	58.7	59.0	36.6	47.8		55.7
HBK 5991	Hornbeck	70.4	70.5	64.2	24.4	56.8	48.8	38.5	43.7		53.0
9594	Pioneer	74.0	72.5	72.8	24.7	60.4	49.1	49.8	49.4		55.7
95B97	Pioneer	72.0	70.5	67.8	24.4	58.1	50.1	41.2	45.6		54.0
Bolivar	Public	65.5	58.5	58.4	23.8	50.9	41.8	40.4	41.1		47.2
Freedom	Public	65.1	60.5	66.8	24.4	53.7	51.4	41.9	46.6		51.7
Hutcheson	Public	69.3	68.9	62.8	25.3	56.0	41.3	40.9	41.1		50.2
Overall Mean		69.8	67.0	66.3	24.7	56.4	48.8	41.3	45.1		52.5
LSD (.10)		7.3	11.1	2.9	2.6	3.4	4.9	4.9	3.4		3.1
Error degrees of freedom		18	24	24	24	90	24	24	48		72
CV (%)		9.5	16.9	4.6	10.5	12.2	10.1	11.9	10.9		12.4
R^2 (%)		82	30	92	98	95	78	98	96		96

[1]All are released varieties.

Table 12. Summary of 2-Year Yields for Maturity Group III Roundup Ready for the 2002 and 2003 Mississippi Soybean Variety Trials.[1]

Variety	Brand	MSU	Hill avg.	Stoneville Irr.	Stoneville Nonirr.	Delta avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 39-E9	Armor	33.9	33.9	65.2	35.1	49.6		44.7
AG3702	Asgrow	43.6	43.6	60.4	30.6	44.9		44.8
AG3903	Asgrow	32.0	32.0	59.0	27.2	42.6		39.4
DK 3961RR	Delta King	39.4	39.4	63.5	37.6	50.0		46.8
DK 3968RR	Delta King	34.3	34.3	64.6	34.2	48.9		44.4
DP3861RR	DPL	37.0	37.0	65.4	34.2	49.2		45.5
DPX3940RR (E)	DPL	41.6	41.6	66.2	42.4	53.6		50.1
NK S39-Q4	NK	34.5	34.5	65.2	40.2	52.1		46.6
Overall Mean		37.0	37.0	63.7	35.2	48.8		45.3
LSD (.10)		5.1	5.1	5.9	3.8	3.5		2.8
Error degrees of freedom		28	28	28	28	56		84
CV (%)		14.1	14.1	9.5	11.1	10.4		11.3
R^2 (%)		90	90	65	82	95		94

[1](E) = Experimental.

Table 13. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2002 and 2003 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	60.0	53.9	60.7	34.1	51.8	56.4	30.0	43.2		48.9
Armor 44-R5	Armor	50.8	45.6	63.4	33.1	48.1	64.1	32.6	48.4		48.2
AG4201	Asgrow	51.6	63.9	61.5	33.3	52.6	48.9	27.2	38.1		47.6
AG4403	Asgrow	64.0	51.9	62.4	36.4	53.2	54.9	37.5	46.2		50.8
AG4603	Asgrow	61.8	56.7	64.1	37.1	54.6	49.0	34.3	41.6		50.1
DK4461RR	Delta King	56.5	55.1	58.3	33.7	50.6	56.4	36.2	46.3		49.1
DP4331RR	DPL	57.1	53.8	58.2	31.8	49.9	55.4	36.9	46.1		48.6
DP4690RR	DPL	66.6	59.5	51.4	36.3	52.9	51.5	32.4	41.9		49.1
DPX4446RR (E)	DPL	61.9	53.4	59.1	39.1	53.0	55.7	32.4	44.0		49.9
DG 3443NRR	Dyna-Gro	63.5	53.5	58.9	36.0	52.5	54.0	34.4	44.2		49.7
DG 3463NRR	Dyna-Gro	58.7	53.5	56.3	37.3	51.1	46.1	32.7	39.4		47.1
C444RR	Genesis	62.7	48.0	62.9	37.5	52.3	54.6	34.2	44.4		49.6
MorSoy RT4480	MorSoy	67.3	53.1	60.3	35.2	53.4	54.5	30.8	42.6		49.7
94B13	Pioneer	58.3	43.7	57.8	31.7	47.4	51.0	25.2	38.1		44.2
Progeny 4401RR	Progeny	60.5	57.6	61.1	35.0	53.2	51.7	33.5	42.6		49.6
SS RT4502N	Southern States	56.9	60.2	57.6	34.2	52.0	54.5	29.9	42.2		48.6
TV4589RR	Terral	57.2	57.9	57.2	37.2	52.2	42.3	26.9	34.6		46.2
USG 7440nRR	USG	64.8	53.8	64.0	35.8	54.2	52.5	30.2	41.4		49.8
Overall Mean		60.0	54.2	59.7	35.3	52.0	53.0	32.1	42.5		48.7
LSD (.10)		6.8	7.6	4.7	3.4	2.9	4.6	5.7	3.6		2.8
Error degrees of freedom		51	68	68	68	255	68	68	136		431
CV (%)		10.7	14.6	8.2	10.1	11.3	8.9	18.5	12.6		14.4
R^2 (%)		91	56	73	63	89	76	75	90.		84

[1](E) = Experimental.

Table 14. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2002 and 2003 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*
AP 4888RR	AgriPro	70.4	64.0	59.6	30.5	55.5	55.5	36.1	45.8		52.2
Armor 47-G7	Armor	57.8	63.1	58.7	36.3	53.8	55.4	33.8	44.6		50.7
AG4902	Asgrow	70.3	68.5	58.7	33.3	57.2	51.8	38.6	45.2		53.1
DG 4860RR	Delta Grow	70.0	63.3	57.0	32.1	55.0	56.4	37.8	47.1		52.3
DG 4950RR	Delta Grow	70.2	64.7	56.8	30.0	54.8	50.3	41.9	46.1		51.8
DK 4763RR	Delta King	60.9	63.6	59.1	35.1	54.4	56.2	32.3	44.2		50.9
DK 4868RR	Delta King	69.7	72.1	65.5	35.0	60.2	51.1	35.6	43.4		54.4
DK 4967RR	Delta King	70.6	66.1	60.6	29.8	56.2	55.5	44.0	49.8		54.0
DP4933RR	DPL	72.5	72.2	63.7	36.1	60.6	48.2	43.7	46.0		55.6
SG498RR	DPL	71.1	75.1	56.8	31.1	58.0	47.4	39.3	43.4		53.0
FFR 4922RR	FFR	75.9	71.2	64.0	36.8	61.4	45.8	40.5	43.2		55.1
HBK R4820	Hornbeck	72.2	75.2	63.9	33.5	60.7	48.0	37.6	42.8		54.6
HBK R4920	Hornbeck	68.9	63.3	57.1	30.6	54.4	54.5	40.0	47.2		51.9
MorSoy RT4809	MorSoy	69.8	72.6	64.5	36.3	60.4	50.8	40.0	45.4		55.2
NK S49-Q9	NK	69.8	57.7	61.8	38.1	56.3	53.2	38.1	45.7		52.6
94B73	Pioneer	64.5	62.8	60.5	41.3	57.0	56.5	37.9	47.2		53.6
Progeny 4932RR	Progeny	68.2	72.6	60.2	36.2	58.9	45.6	41.6	43.6		53.6
SS RT4902	Southern States	71.1	73.8	60.3	35.4	59.7	47.5	42.2	44.8		54.6
SS RT4980	Southern States	73.2	66.4	55.8	30.1	55.7	50.8	39.8	45.3		52.1
SS RT517N	Southern States	63.1	69.3	61.0	33.8	56.5	46.2	48.0	47.1		53.3
SS RT5001N	Southern States	66.6	59.4	60.2	35.6	54.9	50.9	48.1	49.5		53.1
TV4886RR	Terral	60.3	58.5	53.8	35.4	51.7	37.0	37.0	37.0		46.6
TV4890RR	Terral	59.3	53.2	48.9	35.6	48.8	45.4	31.0	38.2		45.2
Overall Mean		68.1	66.5	59.5	34.3	56.6	50.4	39.3	44.9		52.6
LSD (.10)		6.1	4.9	4.4	3.4	2.3	4.2	5.0	3.2		1.9
Error degrees of freedom		66	88	88	88	330	88	88	176		506
CV (%)		8.4	7.8	7.7	10.3	8.4	8.6	13.2	10.7		9.1
R^2 (%)		87	78	70	72	94	84	92	92		95

[1](E) = Experimental.

Table 15. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2002 and 2003 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	58.2	65.7	61.1	27.3	52.9	43.2	36.6	39.9		48.4
Armor 56-J6	Armor	70.6	72.6	74.2	23.9	59.9	54.9	38.8	46.8		55.4
AG5301	Asgrow	68.9	70.8	67.5	27.0	58.1	53.4	29.6	41.5		52.4
AG5501	Asgrow	68.4	70.2	71.4	30.8	59.8	55.4	34.8	45.1		54.8
DG 5630RR	Delta Grow	76.0	73.0	70.8	25.9	60.8	55.3	38.3	46.8		56.0
DK 5366RR	Delta King	73.7	77.9	73.1	27.6	62.6	63.9	39.0	51.4		58.8
DK 5465RR	Delta King	66.6	62.1	67.2	28.8	55.7	47.2	31.8	39.5		50.2
DK 5561RR	Delta King	59.5	64.2	58.5	23.7	51.1	51.1	29.9	40.5		47.5
DK 5661RR	Delta King	69.1	74.4	70.6	25.7	59.5	55.2	40.3	47.8		55.5
DK 5668RR	Delta King	71.3	70.7	69.5	26.8	59.1	60.2	37.8	49.0		55.6
DP5414RR	DPL	71.4	64.7	66.6	24.9	56.3	55.3	43.8	49.5		53.9
DP5634RR	DPL	70.0	70.4	69.3	24.9	58.1	64.1	38.6	51.4		55.8
DP5644RR	DPL	67.0	67.5	66.6	26.9	56.5	58.4	39.8	49.1		54.0
DG 3535NRR	Dyna-Gro	68.4	75.4	71.6	29.0	60.8	57.5	37.8	47.6		56.3
DG 3562NRR	Dyna-Gro	72.0	73.1	68.4	26.7	59.5	61.6	37.2	49.4		56.1
HBK R5422	Hornbeck	63.1	66.5	65.7	28.4	55.6	55.0	36.4	45.7		52.2
HBK R5620	Hornbeck	75.4	76.4	73.3	27.7	62.7	60.7	38.0	49.3		58.1
MorSoy RT5252	MorSoy	67.0	66.5	66.3	27.5	56.4	58.3	38.5	48.4		53.6
MorSoy RT5620	MorSoy	73.3	70.5	70.5	25.7	59.4	62.3	37.7	50.0		56.2
NK S52-U3	NK	58.2	63.9	61.8	23.1	51.5	56.6	42.0	49.3		50.7
NK S56-D7	NK	69.7	71.8	65.8	26.3	57.9	47.9	43.8	45.8		53.8
95B42	Pioneer	66.2	69.3	67.1	29.4	57.6	51.6	40.3	45.9		53.6
95B43	Pioneer	72.4	79.7	71.7	25.4	61.9	47.9	37.8	42.9		55.4
Progeny 5250RR	Progeny	68.8	71.8	67.3	28.9	58.8	54.4	35.7	45.0		54.1
Progeny 5415RR	Progeny	60.9	62.9	67.6	25.0	53.8	47.7	33.0	40.3		49.2
Progeny 5660RR	Progeny	63.4	74.8	72.8	25.1	58.8	57.9	39.0	48.4		55.3
SS RT5302N	Southern States	67.0	67.2	68.6	27.1	57.1	52.9	36.1	44.5		52.7
SS RT557N	Southern States	69.0	73.1	66.2	28.2	58.7	43.9	39.9	41.9		53.0
TV52R42	Terral	59.3	59.8	65.3	30.7	53.5	45.7	30.1	37.9		48.2
TV54R11	Terral	67.0	63.7	68.0	25.0	55.4	51.5	34.1	42.8		51.1
TV56R11	Terral	68.2	71.0	71.8	21.7	57.7	54.4	40.7	47.5		54.2
USG 540nRR	USG	65.3	65.8	67.3	26.5	55.8	52.0	35.3	43.7		51.7
USG 7547RR	USG	57.9	61.0	64.0	28.5	52.6	47.4	37.6	42.5		49.2
Overall Mean		67.4	69.3	68.1	26.7	57.5	54.1	37.3	45.7		53.4
LSD (.10)		5.9	5.0	2.4	3.2	2.1	6.0	5.0	3.9		1.9
Error degrees of freedom		96	128	128	128	480	128	128	256		736
CV (%)		8.4	7.5	3.8	12.6	7.4	11.7	14.2	12.7		9.1
R^2 (%)		66	77	83	91	97	68	95	92		96

[1]All are released varieties.

Table 16. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2002 and 2003 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	69.4	74.1	72.9	27.0	60.5	59.6	39.8	49.7	57.1
AG5903	Asgrow	69.5	68.3	75.8	25.3	59.3	68.0	43.1	55.6	57.9
DG 5960RR	Delta Grow	70.8	72.1	77.7	31.4	62.7	60.1	39.3	49.7	58.1
DK 5967RR	Delta King	74.7	68.9	72.8	31.6	61.5	60.7	40.8	50.7	59.3
DP 5806RR	DPL	62.5	54.5	55.2	25.8	48.9	55.3	38.7	47.0	48.0
DP 5915RR	DPL	73.6	65.5	72.8	23.2	58.1	61.7	38.4	50.0	56.0
DG 3583NRR	Dyna-Gro	73.6	73.5	77.0	32.4	63.7	61.6	40.3	50.9	59.5
ESXVT-46RR (E)	Eagle	66.4	60.1	65.9	28.2	54.6	58.8	38.6	48.7	53.8
Garst 5812RR/N	Garst	65.8	60.7	64.6	28.8	54.5	55.2	36.5	45.9	52.1
HBK R6020	Hornbeck	71.1	63.0	67.4	22.7	55.4	57.2	27.4	42.3	50.8
95B96	Pioneer	68.1	71.4	72.4	25.6	59.0	51.8	38.5	45.2	55.3
Progeny 5822RR	Progeny	69.5	69.8	77.6	30.8	61.6	60.2	40.3	50.3	57.8
SS RT5702	Southern States	71.1	66.0	62.5	23.3	55.1	51.4	31.4	41.4	50.9
SS RT5999	Southern States	64.6	62.4	63.7	27.4	54.1	51.8	36.7	44.3	50.4
TV58R11	Terral	66.6	61.4	65.0	24.8	53.9	57.0	43.2	50.1	52.6
TVX59R98	Terral	65.8	55.4	62.7	25.7	51.8	53.2	36.7	45.0	50.3
USG 570nRR	USG	71.1	71.6	76.3	25.2	60.6	60.2	40.4	50.3	57.3
USG 7582nRR	USG	73.5	68.2	75.3	33.5	62.2	59.0	41.3	50.2	58.4
99VPI-120 (E)	Public	59.4	59.9	56.0	24.5	49.6	47.6	33.1	40.3	47.6
Overall Mean		68.8	65.6	68.7	27.0	57.2	57.4	38.1	47.8	54.4
LSD (.10)		5.5	4.8	3.5	2.4	2.0	5.2	5.5	3.8	2.3
Error degrees of freedom		54	72	76	76	270	72	72	144	216
CV (%)		7.6	7.6	5.2	9.3	7.2	9.5	15.0	11.7	9.0
R^2 (%)		75	89	90	97	97	71	92	92	97

[1](E) = Experimental.

Table 17. Summary of 3-Year Yields for Maturity Group IV for the 2001, 2002, and 2003 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	64.7	60.5	60.5	37.1	55.4	47.9	40.9	44.4	51.7
Progeny 4910	Progeny	66.2	60.5	61.0	36.5	55.8	48.6	38.9	43.8	51.7
Overall Mean		65.5	60.5	60.7	36.8	55.6	48.3	39.9	44.1	51.7
LSD (.10)		6.1	10.2	3.6	2.2	2.8	3.9	4.3	2.7	2.0
Error degrees of freedom		5	6	6	6	23	6	6	12	35
CV (%)		9.3	18.3	6.4	6.4	12.1	8.7	11.8	10.2	11.7
R^2 (%)		91	63	95	98	93	95	94	95	95

[1]All are released varieties.

Table 18. Summary of 3-Year Yields for Maturity Group V Early for the 2001, 2002, and 2003 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarks-dale	Long-wood	Stoneville Irr.	Stoneville Nonirr.	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*	*bu/A*
Armor 52-C2	Armor	63.9	63.9	63.3	33.8	56.0	45.1	46.4	41.3	44.2	50.9
DP5110S	DPL	67.7	65.4	64.7	38.2	58.7	42.9	49.3	44.9	45.7	53.1
Progeny 5600	Progeny	64.9	64.6	65.2	36.8	57.7	49.0	47.4	47.8	48.1	53.5
Overall Mean		65.5	64.6	64.4	36.3	57.5	45.7	47.7	44.7	46.0	52.5
LSD (.10)		3.6	7.3	2.6	1.9	2.1	3.8	4.2	4.1	2.2	3.2
Error degrees of freedom		10	12	12	12	46	12	12	12	36	117
CV (%)		6.1	13.5	4.8	6.1	9.1	9.8	10.6	11.0	10.5	20.6
R^2 (%)		88	44	92	99	95	94	86	98	96	74

[1]All are released varieties.

Table 19. Summary of 3-Year Yields for Maturity Group V Late for the 2001, 2002, and 2003 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*
DK5995	Delta King	67.8	70.3	66.1	32.8	59.0	55.8	44.3	50.0		56.9
HBK 5991	Hornbeck	64.8	70.0	64.4	32.5	57.7	48.5	45.0	46.8		54.6
9594	Pioneer	69.5	72.6	70.4	34.3	61.5	49.6	54.7	52.2		57.9
95B97	Pioneer	67.8	70.9	65.5	31.9	58.8	50.0	47.1	48.6		55.6
Bolivar	Public	60.7	59.1	59.3	32.6	52.7	41.4	43.1	42.3		49.0
Freedom	Public	61.3	63.4	62.6	32.6	54.8	51.5	41.9	46.7		52.7
Hutcheson	Public	63.9	68.3	60.0	33.1	56.1	43.6	46.0	44.8		51.8
Overall Mean		65.1	67.8	64.1	32.8	57.2	48.6	48.0	47.3		54.1
LSD (.10)		4.9	7.6	2.3	2.5	2.4	3.7	4.5	2.9		2.4
Error degrees of freedom		30	36	36	36	138	36	36	72		108
CV (%)		8.8	14.2	4.5	9.4	10.5	9.5	12.4	11.0		11.5
R^2 (%)		86	36	92	98	94	78	96	95		95

[1]All are released varieties.

Table 20. Summary of 3-Year Yields for Maturity Group III Roundup Ready for the 2001, 2002, and 2003 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	MSU	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG3702	Asgrow	60.8	40.8	50.8	50.1	50.1		50.5
AG3903	Asgrow	57.5	35.5	46.5	37.9	37.9		43.6
DK 3961RR	Delta King	59.2	44.6	51.9	42.2	42.2		48.7
DK 3968RR	Delta King	64.5	43.4	54.0	42.7	42.7		50.2
Overall Mean		60.5	41.1	50.8	43.2	43.2		48.3
LSD (.10)		5.4	3.9	3.2	5.1	5.1		3.0
Error degrees of freedom		18	18	36	18	18		54
CV (%)		10.9	11.7	11.4	14.3	14.3		12.3
R^2 (%)		67	94	93	91	91		92

[1]All are released varieties.

Table 21. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2001, 2002, and 2003 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	58.6	49.9	56.8	35.4	49.9	56.1	27.7	41.9		47.2
AG4403	Asgrow	64.2	52.6	60.7	38.1	53.6	57.6	36.7	47.1		51.4
DK4461RR	Delta King	56.5	50.3	57.4	35.9	49.8	55.1	33.7	44.4		48.0
DP4690RR	DPL	63.7	57.5	53.2	38.4	52.9	50.0	33.0	41.5		49.0
DG 3443NRR	Dyna-Gro	62.4	52.5	57.3	39.5	52.6	54.7	34.1	44.4		49.8
DG 3463NRR	Dyna-Gro	55.3	52.1	54.6	38.8	50.1	48.2	31.3	39.8		46.6
TV4589RR	Terral	57.1	54.2	53.8	36.8	50.3	45.0	26.9	35.9		45.4
Overall Mean		59.7	52.7	56.3	37.6	51.3	52.4	31.9	42.1		48.2
LSD (.10)		4.3	6.5	4.6	4.1	2.5	4.1	4.5	3.0		1.9
Error degrees of freedom		30	36	36	36	138	36	36	72		210
CV (%)		8.6	15.4	10.3	13.7	12.1	9.9	17.5	12.8		12.3
R^2 (%)		92	60	68	54	86	88	71	92		90

[1]All are released varieties.

Table 22. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2001, 2002, and 2003 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*
AG4902	Asgrow	65.3	63.3	55.2	38.0	55.2	51.3	40.9	46.1	52.1
DG 4950RR	Delta Grow	66.4	65.1	55.0	34.2	54.8	47.8	44.7	46.2	51.9
DK 4763RR	Delta King	60.0	61.4	55.1	36.8	53.2	53.7	34.4	44.0	50.1
DK 4868RR	Delta King	66.5	67.7	60.9	38.1	58.1	52.2	40.7	46.5	54.1
SG498RR	DPL	64.9	72.6	55.1	36.4	57.0	46.7	41.9	44.3	52.7
HBK R4920	Hornbeck	66.4	63.5	55.2	34.7	54.6	52.0	43.9	47.9	52.4
MorSoy RT4809	MorSoy	63.8	66.6	59.8	36.6	56.5	49.3	40.8	45.0	52.6
SS RT4980	Southern States	67.4	64.9	53.0	32.9	54.2	49.8	43.5	46.7	51.6
TV4886RR	Terral	57.6	57.1	50.9	38.2	50.7	38.8	38.3	38.5	46.6
TV4890RR	Terral	55.7	52.8	50.2	34.8	48.2	44.2	33.7	38.9	45.0
Overall Mean		63.4	63.5	55.0	36.1	54.2	48.6	40.3	44.4	50.9
LSD (.10)		3.5	3.6	3.7	3.3	1.7	3.2	3.8	2.4	1.4
Error degrees of freedom		45	54	54	54	207	54	54	108	315
CV (%)		6.5	7.1	8.6	11.6	8.1	8.3	11.9	10.0	8.7
R^2 (%)		91	83	76	78	94	91	92	93	94

[1]All are released varieties.

Table 23. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2001, 2002, and 2003 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	56.0	61.8	56.9	30.6	51.2	44.5	44.4	44.4	48.9
AG5501	Asgrow	63.6	69.7	66.6	34.2	58.4	52.7	45.4	49.1	55.2
DG 5630RR	Delta Grow	69.1	71.0	64.8	29.3	58.3	51.8	45.9	48.9	55.1
DK 5366RR	Delta King	70.3	77.6	68.3	32.6	62.0	60.8	44.8	52.8	58.8
DK 5465RR	Delta King	62.0	62.8	61.9	31.9	54.4	47.7	42.8	45.3	51.3
DK 5661RR	Delta King	66.6	71.4	65.5	31.6	58.5	53.6	47.6	50.6	55.8
DK 5668RR	Delta King	66.2	71.4	64.0	31.5	58.1	56.4	43.6	50.0	55.3
DP5414RR	DPL	64.0	64.9	60.9	30.2	54.8	52.3	46.5	49.4	52.9
DP5644RR	DPL	62.3	69.1	61.0	29.5	55.3	55.6	49.8	52.7	54.4
DG 3535NRR	Dyna-Gro	66.1	72.3	65.9	31.2	58.7	54.3	43.8	49.1	55.4
DG 3562NRR	Dyna-Gro	67.8	70.8	63.6	31.2	58.1	57.8	40.6	49.2	55.1
HBK R5620	Hornbeck	68.3	74.8	67.0	31.0	60.0	57.0	43.0	50.0	56.6
Progeny 5415RR	Progeny	59.8	62.4	64.0	30.0	53.9	46.5	41.8	44.2	50.6
Progeny 5660RR	Progeny	62.8	73.0	65.8	28.8	57.4	55.2	44.3	49.8	54.8
SS RT557N	Southern States	63.0	72.6	63.2	34.3	58.1	44.1	43.0	43.6	53.2
TV52R42	Terral	56.4	58.6	60.7	33.2	52.1	44.6	37.5	41.1	48.4
TV54R11	Terral	62.1	63.9	64.0	29.4	54.6	50.1	42.4	46.2	51.8
TV56R11	Terral	65.9	70.0	66.3	26.5	56.9	52.1	44.9	48.5	54.1
USG 540nRR	USG	61.5	65.6	62.4	31.3	55.0	52.3	43.4	47.9	52.6
USG 7547RR	USG	53.8	63.0	62.1	34.2	53.3	45.6	42.9	44.3	50.2
Overall Mean		63.4	68.3	63.7	31.1	56.5	51.8	43.9	47.8	53.5
LSD (.10)		4.9	4.4	2.7	2.6	1.8	4.8	4.5	3.3	1.6
Error degrees of freedom		95	114	114	114	437	114	114	228	665
CV (%)		9.3	8.2	5.4	10.8	8.3	11.9	13.0	12.4	9.6
R^2 (%)		75	74	89	93	96	74	94	90	94

[1]All are released varieties.

Table 24. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2001, 2002, and 2003 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	65.5	72.0	67.5	32.0	59.1	55.7	45.5	50.6		57.0
DP 5806RR	DPL	61.0	54.1	51.9	30.0	48.9	53.4	43.2	48.3		48.9
DP 5915RR	DPL	64.5	67.6	66.9	30.2	57.1	61.2	44.0	52.6		56.7
HBK R6020	Hornbeck	65.0	62.2	60.0	27.8	53.4	53.8	33.3	43.5		50.4
95B96	Pioneer	67.6	72.7	68.1	32.0	59.9	50.3	42.9	46.6		56.4
SS RT5999	Southern States	60.7	63.2	60.6	34.1	54.5	48.7	42.1	45.4		51.4
TV58R11	Terral	64.3	62.0	61.9	31.0	54.5	55.7	44.0	49.9		53.0
TV59R98	Terral	63.2	54.6	58.1	31.8	51.6	48.4	40.7	44.6		50.0
USG 570nRR	USG	67.9	70.0	68.3	30.7	59.0	57.1	43.5	50.3		56.2
Overall Mean		64.4	64.3	62.6	31.0	55.3	53.8	42.1	48.0		53.3
LSD (.10)		4.8	3.5	3.0	2.1	1.7	4.3	5.6	3.5		1.9
Error degrees of freedom		40	48	48	48	184	48	48	96		144
CV (%)		8.8	6.8	6.1	8.7	7.6	10.1	16.8	13.2		9.2
R^2 (%)		78	90	91	97	97	76	88	88		96

[1]All are released varieties.

Location 1. MAFES Delta Branch, Stoneville

Location Summary

Nonirrigated and irrigated trials were planted in adequate moisture and emergence was rapid. Drought was apparent at the nonirrigated location in late May and again in July and August. Therefore, yields from the nonirrigated trials should represent yields that would be expected under moderate drought conditions. Growing conditions were good all season at the irrigated site. Foliar diseases began to appear in early July and were very apparent by early August at the irrigated location. No fungicides were applied; therefore, yields should reflect differential tolerance to various foliar diseases, especially in later-maturing varieties. Harvest was timely at both locations.

Soil type ..... **Sharkey clay**
Soil pH **6.9**
Soil fertility ..... **P=H+; K=H**
Fertilizer added ..... **None**
Herbicide application ..... **Burndown — Gramoxone @ 1 qt/A (April 30)**
Preemergence — Conventional – Dual @ 1.5 pt/A + Scepter @ 2.8 oz/A (April 17 & May 1)
Postemergence — Conventional – Nonirrigated - Reflex @ 1 pt/A + Poast @ 1 pt/A + COC (May 19)
Nonirrigated – Blazer @ 4 oz/A + Fusion @ 8 oz/A + First Rate @ 0.3 oz/A (June 24)
Irrigated – Dual @ 1.5 pt/A + Scepter @ 2.8 oz/A (May 1)
Flexstar @ 1.5 pt/A + Poast @ 1.5 pt/A + COC (June 3)
Blazer @ 4 oz/A + Fusion @ 8 oz/A + First Rate @ 0.3 oz/A (June 24)
Roundup Ready – Roundup Weathermax @ 22 oz/A
(May 5 & June 5 - Nonirrigated)
(May 23 & June 5 - Irrigated)
Roundup Weathermax @ 20 oz/A
(June 23 - Nonirrigated & Irrigated)
Irrigation ..... **July 8, July 16, July 25, Aug. 12, Aug. 26 (Group IV Late and Group V)**
Cultivation ..... **June 9 (Conventional)**
Planting date ..... **April 16 (Nonirrigated)**
April 30 (Irrigated)
Harvest date ..... **Aug. 18 - Group III Nonirrigated; Aug. 22 - RR IV E Nonirrigated**
Sept. 9 - Group IV Conventional & RR IV Late Nonirrigated
Sept. 10 - Group III & RR IV Early Irrigated
Sept. 17 - Group V Early Conventional Nonirrigated
Sept. 18 - Group IV Early Conventional & RR IV Late Irrigated
Sept. 30 - Group V Late Conventional & RR V Late Nonirrigated
Oct. 8 - Group V Early & Late Conventional & RR V Early & Late Irrigated

Table 25. Maturity Group IV Soybeans Planted April 30, 2003, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4910	Progeny	45.0	70.1	67.9	09/17	38	2
R98-1817 (E)	Public	—	—	62.8	09/16	23	1
DP4748S	DPL	50.7	69.8	60.8	09/12	29	2
DT98-9102 (E)	Public	—	71.6	55.9	09/16	22	1
DT97-4290 (E)	Public	—	—	53.4	09/13	31	2
HBK 4992	Hornbeck	—	59.0	53.3	09/14	34	2
DT98-7278 (E)	Public	—	71.0	53.0	09/17	18	1
HBK 4944CX	Hornbeck	—	—	52.6	09/14	43	2
DT99-17400 (E)	Public	—	—	45.4	09/18	13	1
Overall Mean		47.6	68.4	56.1			
LSD (.10)		5.6	6.2	6.2			
Error degrees of freedom		16	10	16			
CV (%)		6.7	6.2	7.6			
R^2 (%)		84	65	79			

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

Rainfall Summary

	Inches
April	3.78
May	2.55
June	7.30
July	2.46
August	1.53
September	4.94
October	3.97
Total	26.53

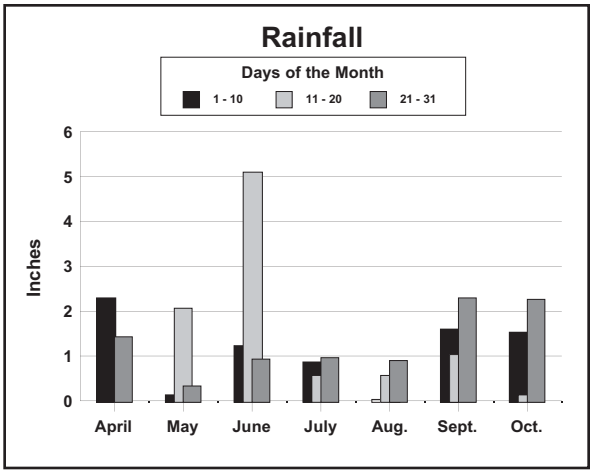

Table 26. Maturity Group IV Soybeans Planted April 16, 2003, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DP4748S	DPL	47.1	36.3	27.9	08/12	33	1
R98-1817 (E)	Public	—	—	27.3	08/13	26	1
DT99-17400 (E)	Public	—	—	24.9	08/31	18	1
Progeny 4910	Progeny	47.0	38.8	23.8	08/14	33	1
HBK 4992	Hornbeck	—	—	21.8	08/14	36	2
DT97-4290 (E)	Public	—	—	21.5	08/13	30	1
HBK 4944CX	Hornbeck	—	37.0	21.1	08/15	31	1
DT98-9102 (E)	Public	—	40.9	20.0	08/29	25	1
DT98-7278 (E)	Public	—	34.7	18.5	08/18	22	1
Overall Mean		45.6	37.4	23.0			
LSD (.10)		3.4	3.0	1.9			
Error degrees of freedom		22	10	16			
CV (%)		5.3	5.5	5.8			
R^2 (%)		79	82	91			

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

Table 27. Maturity Group V Early Soybeans Planted April 30, 2003, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
R97-1634 (E)	Public	—	—	71.9	10/01	27	1
DP5110S	DPL	50.2	73.5	70.4	09/18	32	1
Armor 56-C4	Armor	—	—	68.8	10/02	28	1
DPX5520S (E)	DPL	—	—	68.4	09/27	29	1
V96-0340 (E)	Public	—	—	66.5	09/22	19	1
Progeny 5600	Progeny	61.8	67.5	66.4	09/22	22	1
DT99-17483 (E)	Public	—	—	64.4	09/25	18	1
Delsoy 5500	Public	—	—	64.2	09/25	23	1
Anand	Public	—	—	62.9	09/28	19	1
USG 5002T (E)	USG	—	—	62.7	09/22	16	1
Ozark	Public	—	—	62.3	09/23	23	1
USG 5601T	USG	—	—	60.5	09/27	21	1
A5427	Asgrow	—	73.9	60.1	09/22	19	1
Armor 52-C2	Armor	62.8	69.2	58.0	09/24	23	1
Overall Mean		57.9	70.7	64.8			
LSD (.10)		4.8	3.1	5.0			
Error degrees of freedom		22	10	26			
CV (%)		5.9	3.0	5.5			
R^2 (%)		81	75	67			

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

Table 28. Maturity Group V Late Soybeans Planted April 30, 2003, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 5995	Delta King	56.0	76.2	66.1	10/03	20	1
Desha	Public	—	—	65.6	10/06	31	1
9594	Pioneer	65.7	80.4	65.3	10/01	27	1
HBK 5592	Hornbeck	—	—	64.4	10/02	28	1
Hutcheson	Public	54.5	62.0	63.6	09/22	24	1
Freedom	Public	54.1	71.3	62.4	09/24	18	1
XR98-209 (E)	Public	—	—	62.1	01/06	25	1
95B97	Pioneer	60.9	75.2	60.4	09/29	22	1
Lonoke	Public	—	—	56.9	10/02	22	1
HBK 5991	Hornbeck	64.8	72.0	56.5	09/29	24	1
DT98-11850 (E)	Public	—	—	55.7	09/27	19	1
Bolivar	Public	61.2	62.5	54.2	09/23	22	1
DT99-17574 (E)	Public	—	—	51.5	09/22	18	1
ESX-RB5 (E)	Eagle Seed	—	—	51.3	09/29	22	1
Overall Mean		56.6	70.1	59.7			
LSD (.10)		4.9	5.6	4.2			
Error degrees of freedom		30	18	26			
CV (%)		6.3	5.6	5.1			
R^2 (%)		73	80	82			

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

Table 29. Maturity Group V Early Soybeans Planted April 16, 2003, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
V96-0340 (E)	Public	—	—	24.3	08/29	19	1
A5427	Asgrow	—	41.1	22.8	08/22	16	1
DPX5520S (E)	DPL	—	—	22.8	08/24	32	1
DT99-17483 (E)	Public	—	—	21.6	09/10	21	1
USG 5002T (E)	USG	—	—	20.5	08/26	18	1
DP5110S	DPL	51.5	42.7	20.5	08/20	32	1
Ozark	Public	—	—	17.4	09/01	26	1
Armor 52-C2	Armor	48.6	37.8	15.0	09/04	21	1
Progeny 5600	Progeny	53.3	42.5	14.6	09/01	23	1
Anand	Public	—	—	14.3	08/26	21	1
USG 5601T	USG	—	—	14.1	08/21	20	1
Armor 56-C4	Armor	—	—	12.7	09/10	24	1
R97-1634 (E)	Public	—	—	11.7	09/07	29	1
Delsoy 5500	Public	—	—	10.5	09/03	24	1
Overall Mean		49.1	40.8	17.3			
LSD (.10)		5.4	2.5	3.0			
Error degrees of freedom		22	10	26			
CV (%)		7.9	4.1	12.3			
R^2 (%)		75	86	87			

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

Table 30. Maturity Group V Late Soybeans Planted April 16, 2003, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DT99-17574 (E)	Public	—	—	16.9	09/08	17	1
Desha	Public	—	—	15.5	09/19	27	1
ESX-RB5 (E)	Eagle Seed	—	—	14.4	09/09	22	1
DK 5995	Delta King	47.1	38.6	12.8	09/13	28	1
DT98-11850 (E)	Public	—	—	12.6	09/02	23	1
Lonoke	Public	—	—	12.6	09/13	21	1
Hutcheson	Public	48.6	38.4	12.2	08/29	21	1
95B97	Pioneer	46.8	36.7	12.2	09/09	21	1
Bolivar	Public	50.1	35.6	12.1	09/09	29	1
9594	Pioneer	53.7	39.0	10.3	09/10	25	1
Freedom	Public	49.2	39.2	9.5	09/11	22	1
HBK 5991	Hornbeck	48.7	39.8	9.0	09/11	17	1
XR98-209 (E)	Public	—	—	7.4	09/13	28	1
HBK 5592	Hornbeck	—	—	6.3	09/10	22	1
Overall Mean		48.1	38.8	11.7			
LSD (.10)		5.1	4.0	5.0			
Error degrees of freedom		30	18	26			
CV (%)		7.6	7.3	30.5			
R^2 (%)		57	71	52			

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

Table 31. Roundup Ready Maturity Group III Soybeans Planted April 30, 2003, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
TVX37R301 (E)	Terral	—	—	70.9	08/27	29	1
PGY 3900RR (E)	Progeny	—	—	69.7	08/26	29	1
TVX39R306 (E)	Terral	—	—	67.5	08/23	24	1
DPX3932RR (E)	DPL	—	—	67.3	08/22	26	1
AG3905	Asgrow	—	—	64.9	08/20	29	1
TVX39RS301 (E)	Terral	—	—	64.2	08/22	28	1
DP3861RR	DPL	—	37.9	62.9	08/20	24	1
TVX39R302 (E)	Terral	—	—	61.7	08/25	24	1
NK S39-Q4	NK	—	69.1	61.4	08/25	22	1
93M90	Pioneer	—	—	61.0	08/27	22	1
TVX40R301 (E)	Terral	—	—	60.5	08/22	20	1
DPX3940RR (E)	DPL	—	72.3	60.1	08/24	23	1
DK XTJ439 (E)	Delta King	—	—	60.0	08/29	23	1
AG3702	Asgrow	61.5	61.2	59.5	08/20	24	1
TVX39R307 (E)	Terral	—	—	59.3	08/26	20	1
DK 3968RR	Delta King	64.1	72.1	57.2	08/24	20	1
DK 3961RR	Delta King	50.4	70.4	56.7	08/25	29	1
Armor 39-E9	Armor	—	74.2	56.1	08/25	22	1
AG3903	Asgrow	54.5	62.3	55.7	08/24	25	1
93B67	Pioneer	—	—	50.5	08/15	27	1
Overall Mean		55.2	68.2	61.4			
LSD (.10)		8.1	7.7	5.3			
Error degrees of freedom		20	40	38			
CV (%)		10.5	8.2	6.3			
R^2 (%)		65	52	73			

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

Table 32. Roundup Ready Maturity Group III Soybeans Planted April 16, 2003, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DPX3932RR (E)	DPL	—	—	46.5	08/11	25	1
AG3905	Asgrow	—	—	46.3	08/05	26	1
DPX3940RR (E)	DPL	—	39.3	45.6	08/05	24	1
PGY 3900RR (E)	Progeny	—	—	43.9	08/10	25	1
DK XTJ439 (E)	Delta King	—	—	42.2	08/11	23	1
TVX37R301 (E)	Terral	—	—	41.2	08/12	22	1
NK S39-Q4	NK	—	39.5	40.9	08/05	19	1
TVX39R302 (E)	Terral	—	—	38.8	08/12	23	1
DK 3961RR	Delta King	58.8	37.0	38.2	08/12	25	1
TVX39R306 (E)	Terral	—	—	38.0	08/12	23	1
TVX39RS301 (E)	Terral	—	—	37.7	08/13	26	1
AG3702	Asgrow	61.2	23.7	37.5	08/07	21	1
TVX40R301 (E)	Terral	—	—	36.2	08/05	20	1
Armor 39-E9	Armor	—	34.0	36.2	08/05	18	1
DP3861RR	DPL	—	32.4	35.9	08/09	23	1
TVX39R307 (E)	Terral	—	—	35.5	08/13	24	1
AG3903	Asgrow	52.0	20.0	34.4	08/12	21	1
93M90	Pioneer	—	—	34.3	08/12	22	1
93B67	Pioneer	—	—	34.2	08/05	21	1
DK 3968RR	Delta King	62.0	34.9	33.4	08/09	21	1
Overall Mean		56.6	30.8	38.8			
LSD (.10)		8.7	7.2	3.7			
Error degrees of freedom		20	40	38			
CV (%)		10.9	17.1	6.8			
R^2 (%)		52	72	79			

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

Table 33. Roundup Ready Maturity Group IV Early Soybeans Planted April 30, 2003, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 7440nRR	USG	—	67.8	60.2	09/05	29	1
DK XTJ401 (E)	Delta King	—	—	59.2	09/04	32	1
AG4603	Asgrow	—	69.2	58.9	09/07	29	1
Armor 44-R5	Armor	—	68.6	58.2	09/02	25	1
XR46Y02 (E)	Garst	—	—	58.1	09/06	30	1
NK S43-B1	NK	—	—	58.1	09/03	35	1
HBK R4623	Hornbeck	—	—	57.7	08/28	33	2
DKB 46-51	DEKALB	—	—	57.7	09/04	27	1
DKB 44-51	DEKALB	—	—	57.1	09/03	30	1
DG 3443NRR	Dyna-Gro	53.9	61.1	56.8	09/04	29	1
Genesis D421RR	Genesis	—	—	56.8	09/03	25	1
Genesis C444RR	Genesis	—	69.1	56.7	09/02	36	1
AG4403	Asgrow	57.4	68.1	56.7	09/02	31	1
Progeny 4401RR	Progeny	—	66.0	56.1	09/05	32	1
AG4201	Asgrow	—	67.7	55.3	09/01	27	1
Armor 44-R4	Armor	49.0	66.2	55.1	09/04	30	1
DPX4446RR (E)	DPL	—	63.3	54.9	09/04	31	1
MorSoy RT4480	MorSoy	—	65.8	54.8	09/03	32	1
DK 4461RR	Delta King	55.7	61.9	54.6	09/05	31	1
DP 4690RR	DPL	56.8	49.0	53.9	09/06	37	2
DG 3463NRR	Dyna-Gro	51.3	59.9	52.6	09/01	30	1
DP4331RR	DPL	—	64.1	52.3	09/01	28	1
SS RT 4502N	Southern States	—	63.3	51.9	09/05	30	1
AG 4502	Asgrow	—	—	49.8	09/03	28	1
94B13	Pioneer	—	66.1	49.4	08/29	28	1
TV4589RR	Terral	46.9	65.3	49.1	09/04	32	1
94M41	Pioneer	—	—	48.4	08/31	26	1
Overall Mean		49.4	63.4	55.2			
LSD (.10)		5.1	6.4	4.6			
Error degrees of freedom		60	70	52			
CV (%)		7.6	7.4	6.0			
R^2 (%)		75	60	62			

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

Table 34. Roundup Ready Maturity Group IV Late Soybeans Planted April 30, 2003, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor 49-P9	Armor	—	—	66.8	09/10	32	3
MorSoy RT4993 (E)	MorSoy	—	—	65.2	09/09	33	2
PGY 4949RR (E)	Progeny	—	—	65.0	09/18	36	2
Genesis D491RR	Genesis	—	—	64.4	09/08	31	2
PGY 4860RR (E)	Progeny	—	—	63.4	09/16	29	1
SX03149 (E)	Dyna-Gro	—	—	61.9	09/10	30	2
SS RT 4930	Southern States	—	—	61.9	09/15	31	1
Genesis D484RR	Genesis	—	—	61.6	09/06	36	2
MorSoy RT4809	MorSoy	50.5	67.3	61.6	09/15	32	2
3481NRR	Dyna-Gro	—	—	61.2	09/15	36	2
DK4868RR	Delta King	51.8	70.1	60.8	09/15	37	1
DK XTJ450 (E)	Delta King	—	—	60.8	09/18	32	1
DP4933RR	DPL	—	67.4	59.9	09/16	33	1
FFR 4922RR	FFR	—	68.4	59.6	09/13	42	2
Delta Grow 4960RR	Delta Grow	—	—	59.4	09/16	31	1
DK XTJ402 (E)	Delta King	—	—	59.4	09/06	31	1
DP4724RR	DPL	—	—	59.3	09/07	36	2
MorSoy RT4802	MorSoy	—	—	58.7	09/06	33	2
HBK R4820	Hornbeck	—	69.2	58.6	09/09	34	1
TVX49R1L2 (E)	Terral	—	—	58.5	09/09	42	2
94B73	Pioneer	—	62.7	58.2	09/06	32	2
DK 4763RR	Delta King	47.3	60.1	58.0	09/03	29	1
DK XTJ403 (E)	Delta King	—	—	57.8	09/05	29	2
Progeny 4884RR	Progeny	—	—	57.4	09/07	34	1
SS RT517N	Southern States	—	64.7	57.4	09/17	29	1
DK4967RR	Delta King	—	—	57.4	09/07	30	2
DG 4860RR	Delta Grow	—	56.8	57.3	09/04	31	2
HBK R4922	Hornbeck	—	—	57.2	09/15	34	2
PGY 4703RR (E)	Progeny	—	—	57.0	09/12	36	3
SS RT 4902	Southern States	—	63.7	56.9	09/16	39	2
V49N3RR	Vigoro	—	—	56.9	09/05	32	1
TVX49R2Z1 (E)	Terral	—	—	56.8	09/13	40	3
AG4902	Asgrow	48.1	60.8	56.6	09/09	31	2
Progeny 4932RR	Progeny	—	—	56.5	09/15	44	2
SS-RT 5001N	Southern States	—	64.6	55.8	09/18	34	1
4888RR	Agripro	—	63.5	55.7	09/07	32	2
NK S49-Q9	NK	—	68.0	55.5	09/17	34	1
Armor 47-G7	Armor	—	62.2	55.1	09/07	34	1
94M70	Pioneer	—	—	55.1	09/03	32	2
DK XTJ447 (E)	Delta King	—	—	55.0	09/07	32	1
XR48Y11 (E)	Garst	—	—	54.6	09/07	32	2
HBK R4920	Hornbeck	51.5	59.7	54.5	09/09	40	2
TVX49R2Y4 (E)	Terral	—	—	54.0	09/13	40	2
DG 4950RR	Delta Grow	51.3	59.7	53.9	09/09	33	2
ESXVT-17RR (E)	Eagle Seed	—	—	53.1	09/19	45	3
NK S50-N3	NK	—	—	52.9	09/18	39	2
SS RT4980	Southern States	47.3	59.2	52.3	09/10	38	2
TVX47R2P1 (E)	Terral	—	—	51.3	09/09	34	2
TV4890RR	Terral	52.8	46.9	50.9	09/01	29	2
TVX47R1K2 (E)	Terral	—	—	50.6	09/09	38	1
TV4886RR	Terral	45.1	57.4	50.3	09/08	38	2
TVX48R1U1 (E)	Terral	—	—	48.2	09/10	40	1
SG498RR	DPL	51.5	65.5	48.2	09/15	32	1
Overall Mean		48.7	61.3	57.3			
LSD (.10)		5.1	8.8	3.8			
Error degrees of freedom		74	92	104			
CV (%)		7.7	10.6	4.8			
R^2 (%)		76	53	79			

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

Table 35. Roundup Ready Maturity Group IV Early Soybeans Planted April 16, 2003, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
TV4589RR	Terral	36.1	35.6	38.8	08/14	27	1
Genesis C444RR	Genesis	—	36.4	38.5	08/15	26	1
DKB 44-51	DEKALB	—	—	36.8	08/17	24	1
DKB 46-51	DEKALB	—	—	36.2	08/15	25	1
DG 3443NRR	Dyna-Gro	46.4	37.0	35.0	08/17	25	1
AG4201	Asgrow	—	31.6	34.9	08/13	24	1
Armor 44-R4	Armor	37.9	33.3	34.9	08/15	26	1
DK XTJ401 (E)	Delta King	—	—	34.5	08/14	25	1
DK 4461RR	Delta King	40.2	33.0	34.4	08/15	28	1
AG 4502	Asgrow	—	—	34.4	08/17	24	1
DG 3463NRR	Dyna-Gro	41.8	40.3	34.3	08/18	28	1
Progeny 4401RR	Progeny	—	36.4	33.6	08/16	26	1
DPX4446RR (E)	DPL	—	44.6	33.5	08/15	30	1
USG 7440nRR	USG	—	38.5	33.2	08/16	25	1
DP 4690RR	DPL	42.7	39.5	33.1	08/14	28	1
SS RT 4502N	Southern States	—	35.6	32.7	08/17	27	1
Genesis D421RR	Genesis	—	—	32.6	08/14	21	1
MorSoy RT4480	MorSoy	—	38.0	32.5	08/15	25	1
NK S43-B1	NK	—	—	32.5	08/18	26	1
AG4603	Asgrow	—	41.8	32.3	08/13	26	1
AG4403	Asgrow	41.4	40.8	32.1	08/16	27	1
DP4331RR	DPL	—	32.1	31.6	08/11	27	1
94M41	Pioneer	—	—	31.2	08/18	26	1
Armor 44-R5	Armor	—	35.0	31.1	08/12	23	1
XR46Y02 (E)	Garst	—	—	30.5	08/11	26	1
94B13	Pioneer	—	32.9	30.5	08/19	26	1
HBK R4623	Hornbeck	—	—	29.9	08/11	26	1
Overall Mean		37.1	35.5	33.5			
LSD (.10)		8.0	5.6	3.9			
Error degrees of freedom		60	70	52			
CV (%)		15.8	11.6	8.4			
R^2 (%)		63	68	50			

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

Table 36. Roundup Ready Maturity Group IV Late Soybeans Planted April 16, 2003, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
94B73	Pioneer	47.7	43.5	39.1	08/18	29	1
PGY 4860RR (E)	Progeny	—	—	35.4	08/29	24	1
FFR 4922RR	FFR	—	—	35.0	08/26	35	1
PGY 4949RR (E)	Progeny	—	—	34.7	08/22	31	1
DP4933RR	DPL	—	37.5	34.7	08/31	37	2
HBK R4922	Hornbeck	—	—	34.6	08/30	38	1
DK4868RR	Delta King	44.4	35.4	34.6	08/21	28	1
94M70	Pioneer	—	—	34.4	08/15	30	1
MorSoy RT4809	MorSoy	37.2	38.3	34.3	08/21	30	1
Delta Grow 4960RR	Delta Grow	—	—	34.2	08/29	25	1
DK XTJ450 (E)	Delta King	—	—	34.1	08/28	21	1
Armor 47-G7	Armor	46.2	38.6	34.1	08/17	26	1
NK S49-Q9	NK	—	42.1	34.0	08/28	26	1
MorSoy RT4993 (E)	MorSoy	—	—	33.9	08/16	26	1
Genesis D491RR	Genesis	—	—	33.8	08/17	26	1
DK 4763RR	Delta King	40.3	36.4	33.7	08/16	26	1
SS RT 4902	Southern States	—	37.5	33.3	08/30	37	1
TV4890RR	Terral	33.4	37.9	33.3	08/16	31	1
SS RT 4930	Southern States	—	—	33.1	08/29	23	1
Progeny 4932RR	Progeny	—	—	33.0	08/26	37	1
Armor 49-P9	Armor	—	—	32.1	08/18	26	1
SS-RT 5001N	Southern States	52.8	39.3	31.8	09/06	29	1
3481NRR	Dyna-Gro	—	—	31.2	08/14	30	1
Genesis D484RR	Genesis	—	—	31.0	08/14	29	1
SS RT517N	Southern States	39.7	36.7	31.0	08/30	21	1
TVX49R1L2 (E)	Terral	—	—	30.9	08/21	32	1
HBK R4820	Hornbeck	43.4	36.3	30.7	08/19	25	1
TV4886RR	Terral	43.8	40.0	30.7	08/19	32	1
SX03149 (E)	Dyna-Gro	—	—	30.7	08/19	29	1
DK XTJ447 (E)	Delta King	—	—	29.5	08/11	31	1
AG4902	Asgrow	47.4	37.8	28.8	08/16	26	1
DG 4860RR	Delta Grow	—	35.9	28.3	08/15	27	1
V49N3RR	Vigoro	—	—	28.2	08/15	27	1
SG498RR	DPL	46.8	34.3	28.0	08/22	28	1
Progeny 4884RR	Progeny	—	—	28.0	08/15	27	1
MorSoy RT4802	MorSoy	—	—	27.9	08/15	25	1
NK S50-N3	NK	—	—	27.3	08/30	33	1
DP4724RR	DPL	—	—	27.3	08/17	26	1
DK4967RR	Delta King	—	—	26.9	08/29	26	1
TVX48R1U1 (E)	Terral	—	—	26.8	08/18	29	1
DK XTJ403 (E)	Delta King	—	—	26.6	08/16	26	1
TVX49R2Y4 (E)	Terral	—	—	26.5	08/19	35	1
TVX49R2Z1 (E)	Terral	—	—	26.3	08/22	37	1
TVX47R1K2 (E)	Terral	—	—	26.3	08/18	33	1
DG 4950RR	Delta Grow	42.6	33.6	26.3	08/18	33	1
4888RR	Agripro	40.3	34.8	26.1	08/15	33	1
PGY 4703RR (E)	Progeny	—	—	25.7	08/22	35	1
HBK R4920	Hornbeck	42.8	35.8	25.5	08/18	30	1
TVX47R2P1(E)	Terral	—	—	25.3	08/17	32	1
SS RT4980	Southern States	38.4	35.1	25.2	08/19	30	1
XR48Y11 (E)	Garst	—	—	24.4	08/13	31	1
DK XTJ402 (E)	Delta King	—	—	20.4	09/11	25	1
ESXVT-17RR (E)	Eagle Seed	—	—	18.0	08/31	39	2
Overall Mean		42.5	37.0	30.1			
LSD (.10)		8.0	5.3	3.2			
Error degrees of freedom		74	92	104			
CV (%)		13.8	10.5	7.8			
R^2 (%)		54	59	84			

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

Table 37. Roundup Ready Maturity Group V Early Soybeans Planted April 30, 2003, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ404 (E)	Delta King	—	—	74.0	09/28	32	1
MorSoy RT5620	MorSoy	—	67.7	73.3	09/26	24	1
V562NRR	Vigoro	—	—	72.5	09/28	33	1
DK 5366RR	Delta King	58.6	74.5	71.7	09/27	23	1
Armor 56-J6	Armor	—	76.8	71.7	10/02	28	1
DG 3562NRR	Dyna-Gro	54.1	65.7	71.1	09/26	34	1
DK 5668RR	Delta King	53.2	68.0	70.9	09/26	26	1
Progeny 5660RR	Progeny	51.8	75.7	69.8	09/30	35	1
33B52	Dyna-Gro	—	—	69.6	09/16	29	1
AG5501	Asgrow	57.2	73.2	69.6	09/26	28	1
DG 3535NRR	Dyna-Gro	54.5	73.7	69.4	09/30	31	1
USG 7562nRR	USG	—	—	69.3	09/30	29	1
HBK R5620	Hornbeck	54.3	77.5	69.1	09/30	31	1
DG 5630RR	Delta Grow	52.8	72.5	69.1	09/29	29	1
DP5634RR	DPL	—	69.6	69.0	09/23	35	1
NK S56-D7	NK	—	62.7	69.0	09/26	28	1
XR57N20 (E)	Garst	—	—	68.9	09/27	24	1
AGSE-531 (E)	AgSouth	—	—	68.9	09/26	36	1
S99-2447-02RR (E)	Public	—	—	68.6	09/24	26	1
TV56R11	Terral	55.3	75.1	68.6	09/30	36	1
95B43	Pioneer	—	75.0	68.5	09/22	28	1
DK 5661RR	Delta King	55.4	72.7	68.3	09/30	28	1
Delta Grow 5650RR	Delta Grow	—	—	68.0	09/27	29	1
DK XTJ452 (E)	Delta King	—	—	67.7	09/20	28	1
TV52R301 (E)	Terral	—	—	67.4	09/17	22	1
DP5414RR	DPL	49.7	65.8	67.4	09/23	30	1
MorSoy RT5553 (E)	MorSoy	—	—	66.9	09/24	30	1
HBK R5422	Hornbeck	—	64.7	66.7	09/23	28	1
USG 7563nRR (E)	USG	—	—	66.7	09/27	31	1
SS RT 5302N	Southern States	—	70.5	66.6	09/22	34	1
Armor AXR 5313 (E)	Armor	—	—	66.6	10/02	28	1
USG 540nRR	USG	52.8	68.4	66.1	09/27	27	1
Progeny 5250RR	Progeny	—	68.6	66.1	09/28	24	1
DP5644 RR	DPL	49.8	67.4	65.8	09/26	33	1
FFR 5225RR	FFR	—	—	65.7	09/25	31	1
Delta Grow 5260RR	Delta Grow	—	—	65.4	09/21	36	1
Genesis D524RR	Genesis	—	—	65.1	09/17	26	1
MorSoy RT5252	MorSoy	—	67.6	65.0	09/21	25	1
95B42	Pioneer	—	69.4	64.9	09/27	33	1
TV52R42	Terral	51.4	65.9	64.7	09/21	30	1
Progeny 5415RR	Progeny	56.7	70.7	64.5	09/30	28	1
TV54R11	Terral	56.0	71.5	64.5	09/30	26	1
DKB 53-51	DEKALB	—	—	64.4	09/22	30	1
5212RR/N	Garst	—	—	64.3	09/24	30	1
AG 5605	Asgrow	—	—	63.6	09/25	24	1
ESXVT-19RR (E)	Eagle Seed	—	—	63.3	09/30	31	1
USG 7547RR	USG	58.3	64.7	63.2	09/22	26	1
USG 7553nRR (E)	USG	—	—	63.2	09/24	28	1
PGY 5503RR (E)	Progeny	—	—	62.6	09/21	30	1
DK 5465RR	Delta King	51.3	71.9	62.5	09/27	27	1
Delta Grow 5460RR	Delta Grow	—	—	62.4	09/24	25	1
SX03152 (E)	Dyna-Gro	—	—	62.3	09/22	29	1
DKB 51-51	DEKALB	—	—	62.3	09/18	33	1
SS RT557N	Southern States	57.0	70.5	61.9	09/22	32	1
Md92-5769RR (E)	Public	—	—	61.9	09/22	21	1
NK S52-U3	NK	—	61.8	61.8	09/22	25	1
AG5301	Asgrow	—	73.5	61.3	09/21	31	1
USG 7524nRR (E)	USG	—	—	61.3	09/16	46	3
SS RT 5602	Southern States	—	—	61.2	09/24	25	1
FFR 5542RR	FFR	—	—	60.3	09/23	26	1
99VPI-67 (E)	Public	—	—	60.2	09/21	28	1
Armor 53-K3	Armor	48.5	63.0	59.3	09/23	25	1
TVX56R3K1 (E)	Terral	—	—	59.1	09/20	34	1
CavinessRR (E)	Public	—	—	58.4	09/22	27	1
HBK R5123	Hornbeck	—	—	57.2	09/22	45	2
TVX56R1B2 (E)	Terral	—	—	56.9	09/23	32	1
ESXVT-18RR (E)	Eagle Seed	—	—	55.4	09/23	31	1
DK5561RR	Delta King	—	61.9	55.0	09/23	27	1
DK XTJ405 (E)	Delta King	—	—	54.2	09/23	26	1
Overall Mean		53.7	67.3	65.3			
LSD (.10)		6.7	3.8	3.0			
Error degrees of freedom		116	120	135			
CV (%)		9.2	4.2	3.4			
R^2 (%)		37	88	86			

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

Table 38. Roundup Ready Maturity Group V Late Soybeans Planted April 30, 2003, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ407 (E)	Delta King	—	—	80.7	10/01	33	1
TVX59R301 (E)	Terral	—	—	78.6	09/30	29	1
USG 570nRR	USG	52.1	74.3	78.4	10/01	38	1
DK XTJ457 (E)	Delta King	—	—	77.8	09/28	37	2
AGSE-574 (E)	AgSouth	—	—	77.5	09/27	33	2
DK5767RR	Delta King	—	—	77.2	09/28	35	1
XR59N25 (E)	Garst	—	—	77.0	09/30	28	1
AG5903	Asgrow	—	75.4	76.2	09/27	28	1
Armor AXR 5981 (E)	Armor	—	—	76.1	09/25	26	1
DG 5960RR	Delta Grow	—	79.5	75.9	10/01	25	1
Progeny 5822RR	Progeny	—	80.0	75.2	09/29	30	1
MorSoy RT5773 (E)	MorSoy	—	—	75.0	09/28	28	1
DG 3583NRR	Dyna-Gro	—	79.2	74.8	10/02	32	1
MorSoy RT5903 (E)	MorSoy	—	—	74.8	09/29	29	1
AG5701	Asgrow	56.7	71.1	74.7	10/01	33	1
USG 7582nRR	USG	—	75.9	74.7	10/01	29	1
TVX57R301 (E)	Terral	—	—	74.1	09/28	31	1
NK S57-P1	NK	—	—	73.8	09/24	28	1
PGY 5703RR (E)	Progeny	—	—	73.3	09/25	28	1
DK XTJ406 (E)	Delta King	—	—	73.1	09/27	33	1
FFR 5702RR	FFR	—	—	72.9	09/27	35	1
HBK R6020	Hornbeck	45.2	62.2	72.5	10/07	34	1
DP5915RR	DPL	55.0	73.4	72.2	10/02	33	1
ESXVT-41RR (E)	Eagle Seed	—	—	71.4	10/03	34	1
SX03157 (E)	Dyna-Gro	—	—	71.4	09/22	29	1
6112RR/N	Garst	—	—	71.3	09/29	33	1
95B96	Pioneer	59.4	73.8	71.1	10/01	35	1
38K57	Dyna-Gro	—	—	70.8	09/27	28	1
DK5967RR	Delta King	—	75.5	70.1	09/29	29	1
AGSE-572 (E)	AgSouth	—	—	69.5	09/22	31	2
SS RT 5702N	Southern States	—	55.8	69.2	09/27	38	1
ES XVT46RR (E)	Eagle Seed	—	63.0	68.7	10/01	35	1
DK XTJ4R58 (E)	Delta King	—	—	68.2	09/29	39	2
TVX62R001	Terral	—	—	67.8	09/30	33	1
AGSE-587 (E)	AgSouth	—	—	67.2	09/29	35	3
ESXVT-34RR (E)	Eagle Seed	—	—	67.0	10/06	35	2
5812RR/N	Garst	—	—	66.0	09/29	33	1
SS RT 5999N	Southern States	54.4	61.4	66.0	09/29	34	1
HBK R5823	Hornbeck	—	—	65.3	09/29	31	1
Armor AXR 5881 (E)	Armor	—	—	64.9	09/25	25	1
TV58R11	Terral	55.0	65.1	64.8	09/26	30	1
TV59R98	Terral	48.8	60.8	64.5	09/27	33	1
TVX58R2W1 (E)	Terral	—	—	64.4	09/27	29	1
TVX58R1V2 (E)	Terral	—	—	63.0	09/26	37	1
TVX59R2Q1 (E)	Terral	—	—	63.0	09/30	33	1
99VPI-120 (E)	Public	—	50.9	61.1	09/23	29	1
DP5806 RR	DPL	45.2	49.8	60.6	09/30	33	2
TVX57R2M1 (E)	Terral	—	—	58.7	09/22	34	1
Overall Mean		49.5	63.1	70.9			
LSD (.10)		4.0	4.8	5.2			
Error degrees of freedom		66	64	94			
CV (%)		5.9	5.6	5.4			
R^2 (%)		80	94	75			

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

Table 39. Roundup Ready Maturity Group V Early Soybeans Planted April 16, 2003, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ452 (E)	Delta King	—	—	29.1	09/01	21	1
DKB 51-51	DEKALB	—	—	26.9	08/20	27	1
TV52R42	Terral	38.2	36.2	25.3	08/29	20	1
Armor AXR 5313 (E)	Armor	—	—	23.3	09/14	22	1
SS RT557N	Southern States	46.3	33.3	23.2	09/11	24	1
33B52	Dyna-Gro	—	—	23.1	09/07	20	1
AG5501	Asgrow	41.1	38.6	23.0	09/09	26	1
SX03152 (E)	Dyna-Gro	—	—	22.9	09/09	17	1
FFR 5225RR	FFR	—	—	22.1	09/10	21	1
SS RT 5302N	Southern States	—	32.2	22.1	09/09	24	1
CavinessRR (E)	Public	—	—	21.0	09/10	23	1
Armor 53-K3	Armor	37.3	33.5	21.0	09/09	17	1
DG 3535NRR	Dyna-Gro	35.6	37.2	20.9	09/12	23	1
AG5301	Asgrow	—	33.1	20.9	08/30	22	1
DK 5465RR	Delta King	38.0	36.8	20.8	09/11	17	1
USG 7547RR	USG	45.8	36.1	20.8	09/01	21	1
Progeny 5250RR	Progeny	—	37.1	20.6	08/25	17	1
5212RR/N	Garst	—	—	20.6	09/08	24	1
MorSoy RT5252	MorSoy	—	34.8	20.3	08/28	19	1
95B42	Pioneer	—	38.7	20.2	09/05	25	1
TV52R301 (E)	Terral	—	—	19.9	08/23	21	1
HBK R5422	Hornbeck	—	37.1	19.8	09/09	27	1
FFR 5542RR	FFR	—	—	19.7	09/10	21	1
HBK R5620	Hornbeck	37.6	36.4	18.9	09/18	24	1
USG 7563nRR (E)	USG	—	—	18.9	09/03	21	1
MorSoy RT5553 (E)	MorSoy	—	—	18.7	09/15	28	1
DK 5668RR	Delta King	41.0	34.9	18.6	09/11	21	1
USG 7562nRR	USG	—	—	18.6	09/12	23	1
Genesis D524RR	Genesis	—	—	18.5	08/22	17	1
USG 540nRR	USG	41.0	34.4	18.5	09/09	17	1
DG 3562NRR	Dyna-Gro	40.1	35.7	17.8	09/11	24	1
Delta Grow 5260RR	Delta Grow	—	—	17.7	08/29	24	1
DKB 53-51	DEKALB	—	—	17.2	08/28	22	1
Progeny 5415RR	Progeny	40.3	32.8	17.1	09/09	18	1
SS RT 5602	Southern States	—	—	17.0	09/06	17	1
DG 5630RR	Delta Grow	36.2	34.8	16.9	09/10	24	1
DK XTJ405 (E)	Delta King	—	—	16.8	09/04	21	1
NK S56-D7	NK	—	35.8	16.7	09/10	22	1
DK 5366RR	Delta King	42.6	38.7	16.6	09/12	21	1
DP5644 RR	DPL	34.9	37.3	16.5	09/09	22	1
DK5561RR	Delta King	—	31.0	16.4	09/02	21	1
TV54R11	Terral	38.2	33.6	16.3	09/03	17	1
MorSoy RT5620	MorSoy	—	35.1	16.2	09/07	25	1
DK 5661RR	Delta King	43.6	35.2	16.2	09/10	23	1
XR57N20 (E)	Garst	—	—	15.6	09/07	23	1
Armor 56-J6	Armor	42.2	32.4	15.4	09/14	26	1
USG 7553nRR (E)	USG	—	—	15.3	09/02	21	1
DP5414RR	DPL	40.8	34.5	15.2	09/05	26	1
DK XTJ404 (E)	Delta King	—	—	15.1	09/10	23	1
USG 7524nRR (E)	USG	—	—	15.1	08/26	37	1
Progeny 5660RR	Progeny	36.3	35.2	15.0	09/16	31	1
95B43	Pioneer	—	35.7	15.0	08/29	27	1
NK S52-U3	NK	—	31.6	14.7	09/04	17	1
Delta Grow 5650RR	Delta Grow	—	—	14.4	09/07	23	1
TVX56R1B2 (E)	Terral	—	—	14.3	09/09	25	1
Md92-5769RR (E)	Public	—	—	14.1	08/23	18	1
99VPI-67 (E)	Public	—	—	14.1	08/29	17	1
AGSE-531 (E)	AgSouth	—	—	14.0	09/05	31	1
V562NRR	Vigoro	—	—	13.9	09/13	27	1
TV56R11	Terral	36.1	29.8	13.5	09/15	26	1
AG 5605	Asgrow	—	—	13.4	09/02	21	1
DP5634RR	DPL	—	36.3	13.4	09/08	28	1
Delta Grow 5460RR	Delta Grow	—	—	13.4	08/29	23	1
TVX56R3K1 (E)	Terral	—	—	13.1	09/05	28	1
HBK R5123	Hornbeck	—	—	13.1	08/28	31	1
PGY 5503RR (E)	Progeny	—	—	12.8	09/03	21	1
S99-2447-02RR (E)	Public	—	—	10.9	09/11	26	1
ESXVT-18RR (E)	Eagle Seed	—	—	10.7	09/10	25	1
ESXVT-19RR (E)	Eagle Seed	—	—	10.7	09/04	21	1
Overall Mean		38.9	34.5	17.7			
LSD (.10)		4.6	4.3	5.0			
Error degrees of freedom		116	120	135			
CV (%)		8.7	9.1	20.9			
R^2 (%)		65	48	63			

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

Table 40. Roundup Ready Maturity Group V Late Soybeans Planted April 16, 2003, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
TVX57R301 (E)	Terral	—	—	25.9	08/20	26	1
DG 3583NRR	Dyna-Gro	—	41.8	23.0	09/12	22	1
DK XTJ407 (E)	Delta King	—	—	22.6	09/13	21	1
DG 5960RR	Delta Grow	—	40.2	22.5	09/09	20	1
Armor AXR 5981 (E)	Armor	—	—	22.5	09/10	23	1
DK5967RR	Delta King	—	41.2	22.0	09/16	23	1
TVX58R2W1 (E)	Terral	—	—	21.5	09/13	29	1
USG 7582nRR	USG	—	45.7	21.4	09/11	22	1
XR59N25 (E)	Garst	—	—	21.2	09/13	21	1
MorSoy RT5903 (E)	MorSoy	—	—	21.1	09/12	22	1
TVX58R1V2 (E)	Terral	—	—	20.4	09/16	24	1
Progeny 5822RR	Progeny	—	41.2	20.4	09/07	23	1
TVX59R2Q1 (E)	Terral	—	—	20.0	09/16	21	1
5812RR/N	Garst	—	—	19.3	09/18	28	1
MorSoy RT5773 (E)	MorSoy	—	—	18.7	09/09	23	1
NK S57-P1	NK	—	—	18.3	09/05	21	1
DK5767RR	Delta King	—	—	17.7	09/07	25	1
SS RT 5999N	Southern States	47.5	37.2	17.5	09/17	35	1
TVX59R301 (E)	Terral	—	—	17.5	09/12	20	1
38K57	Dyna-Gro	—	—	17.5	09/11	20	1
ES XVT46RR (E)	Eagle Seed	—	39.3	17.1	09/11	22	1
DK XTJ406 (E)	Delta King	—	—	17.0	09/12	24	1
6112RR/N	Garst	—	—	16.8	09/18	23	1
PGY 5703RR (E)	Progeny	—	—	16.7	09/09	21	1
HBK R5823	Hornbeck	—	—	16.6	09/13	22	1
DK XTJ457 (E)	Delta King	—	—	16.6	09/07	29	1
TVX62R001	Terral	—	—	16.6	09/18	21	1
AG5701	Asgrow	42.1	37.8	16.3	09/12	23	1
Armor AXR 5881 (E)	Armor	—	—	16.1	09/10	22	1
DP5806 RR	DPL	38.4	35.5	16.0	09/19	26	1
99VPI-120 (E)	Public	—	34.0	15.0	09/07	20	1
TVX57R2M1 (E)	Terral	—	—	14.8	09/07	25	1
AGSE-574 (E)	AgSouth	—	—	14.2	09/08	25	1
AG5903	Asgrow	—	36.5	14.1	09/11	22	1
DP5915RR	DPL	44.2	32.5	14.0	09/21	24	1
TV59R98	Terral	44.2	37.4	13.9	09/15	24	1
SX03157 (E)	Dyna-Gro	—	—	13.7	09/07	26	1
USG 570nRR	USG	41.6	36.7	13.7	09/15	21	1
TV58R11	Terral	43.2	36.4	13.2	09/16	25	1
HBK R6020	Hornbeck	38.1	32.2	13.2	09/22	33	1
ESXVT-34RR (E)	Eagle Seed	—	—	12.9	09/23	34	1
AGSE-572 (E)	AgSouth	—	—	12.7	09/06	26	1
95B96	Pioneer	44.7	38.8	12.4	09/11	24	1
FFR 5702RR	FFR	—	—	11.2	09/10	36	1
SS RT 5702N	Southern States	—	36.6	10.0	09/10	34	1
ESXVT-41RR (E)	Eagle Seed	—	—	9.6	09/06	24	1
DK XTJ4R58 (E)	Delta King	—	—	8.3	09/16	28	1
AGSE-587 (E)	AgSouth	—	—	7.0	09/13	25	1
Overall Mean		40.3	37.0	16.7			
LSD (.10)		4.4	3.8	3.4			
Error degrees of freedom		66	64	94			
CV (%)		8.0	7.5	15.1			
R^2 (%)		75	71	83			

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

Location 2. Dulaney Farms, Inc., Clarksdale

Location Summary

Heavy rains on May 6 and 7 caused some stand problems but did not warrant replanting. Growing conditions were good with the exception of late July and early August, which were dry. Disease and insect pressure were light.

Soil type . . . . . **Sharkey clay**
Soil pH **6.8**
Soil fertility . . . . . **P=H; K=H+**
Fertilizer added . . . . . **None**
Herbicide application . . . **Preemergence — Conventional – Scepter @ 2.8 oz/A + Dual Magnum @ 1.5 pt/A (May 5)**
Postemergence — Conventional – First Rate @ 0.3 oz/A + Select @ 8 oz/A (June 24 & July 7)
Postemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A (June 24 and July 7)
Insecticide/Fungicide . . . **Dimilin @ 2 oz/A + Karate Z @ 1.6 oz/A + Quadris @ 4 oz/A (Aug. 12)**
Orthene @ .75 lb/A (Sept. 6) + Orthene @ .5 lb/A (Sept. 25)
Irrigation . . . . . **July 11, July 25, Aug. 10**
Planting date . . . . . **May 1**
Harvest date . . . . . **Sept. 29 - Group IV**
Oct. 8 - Group V

Table 41. Maturity Group IV Soybeans Planted May 1, 2003 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
R98-1817 (E)	Public	—	—	62.9	09/27	21	1
DP4748S	DPL	60.2	74.7	56.6	09/17	30	1
DT98-7278 (E)	Public	—	75.8	55.8	09/29	23	1
HBK 4992	Hornbeck	—	—	51.6	09/22	29	1
Progeny 4910	Progeny	62.1	81.1	50.2	09/25	31	1
DT98-9102 (E)	Public	—	70.4	50.2	09/24	22	1
HBK 4944CX	Hornbeck	—	68.0	47.6	09/15	32	1
DT99-17400 (E)	Public	—	—	45.2	09/27	14	1
DT97-4290 (E)	Public	—	—	38.2	09/19	25	1
Overall Mean		60.2	75.2	50.9			
LSD (.10)		4.8	7.9	12.6			
Error degrees of freedom		22	10	8			
CV (%)		5.6	7.1	13.5			
R^2 (%)		80	64	72			

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

Rainfall Summary

	Inches
May	9.58
June	5.58
July	4.18
August	2.94
September	3.89
October	1.90
Total	28.07

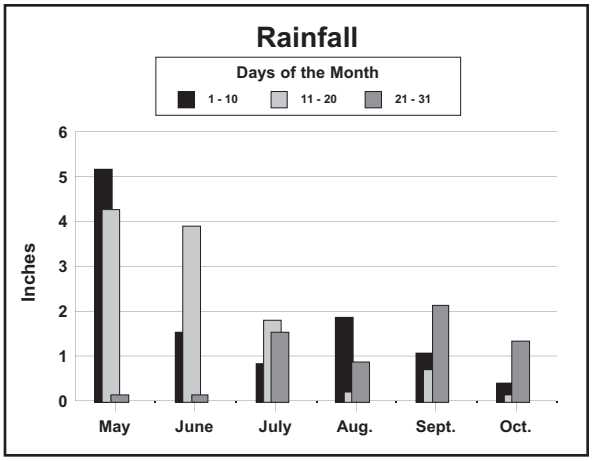

Table 42. Maturity Group V Early Soybeans Planted May 1, 2003 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
V96-0340 (E)	Public	—	—	78.7	09/29	24	1
R97-1634 (E)	Public	—	—	73.8	10/02	22	1
DP5110S	DPL	56.0	75.6	73.3	09/26	31	1
USG 5002T (E)	USG	—	—	71.5	09/27	18	1
DT99-17483 (E)	Public	—	—	70.6	09/29	21	1
Delsoy 5500	Public	—	—	70.2	09/29	24	1
DPX5520S (E)	DPL	—	—	69.1	09/29	35	1
Progeny 5600	Progeny	58.6	70.8	65.1	09/29	25	1
Ozark	Public	—	—	65.1	09/27	25	1
Armor 52-C2	Armor	59.7	68.1	63.9	10/02	30	1
USG 5601T	USG	—	—	61.0	01/04	23	1
A5427	Asgrow	—	73.2	59.6	10/02	23	1
Armor 56-C4	Armor	—	—	58.2	10/04	27	1
Anand	Public	—	—	44.9	09/29	15	1
Overall Mean		55.1	72.5	66.1			
LSD (.10)		6.2	7.4	14.5			
Error degrees of freedom		22	10	13			
CV (%)		8.0	6.9	12.4			
R^2 (%)		59	31	73			

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

Table 43. Maturity Group V Late Soybeans Planted May 1, 2003 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK 5592	Hornbeck	—	—	72.8	10/04	28	1
Desha	Public	—	—	72.2	01/06	27	1
DK 5995	Delta King	60.4	73.0	71.2	10/04	22	1
Hutcheson	Public	55.0	68.6	70.2	09/29	21	1
Lonoke	Public	—	—	67.9	10/04	23	1
9594	Pioneer	61.9	79.9	65.1	09/29	25	1
DT98-11850 (E)	Public	—	—	61.8	01/02	19	1
XR98-209 (E)	Public	—	—	60.9	10/06	26	1
95B97	Pioneer	60.6	82.1	56.9	09/29	20	1
HBK 5991	Hornbeck	55.5	80.5	55.2	10/04	23	1
Freedom	Public	55.0	73.0	53.2	10/02	22	1
Bolivar	Public	52.7	75.1	51.2	09/29	22	1
DT99-17574 (E)	Public	—	—	46.4	09/29	24	1
ESX-RB5 (E)	Eagle Seed	—	—	32.6	10/02	12	1
Overall Mean		56.9	73.3	59.8			
LSD (.10)		4.5	6.0	15.5			
Error degrees of freedom		30	18	13			
CV (%)		5.7	5.8	14.6			
R^2 (%)		56	78	80			

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

Table 44. Roundup Ready Maturity Group IV Early Soybeans Planted May 1, 2003 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
XR46Y02 (E)	Garst	—	—	52.9	09/17	26	1
Armor 44-R4	Armor	56.3	65.4	52.0	09/15	24	1
AG 4502	Asgrow	—	—	49.0	09/13	25	1
HBK R4623	Hornbeck	—	—	48.8	09/13	27	1
MorSoy RT4480	MorSoy	—	79.9	48.5	09/17	27	1
DG 3463NRR	Dyna-Gro	49.6	65.9	48.0	09/11	32	1
USG 7440nRR	USG	—	76.3	47.6	09/15	24	1
DP 4690RR	DPL	59.0	79.7	46.9	09/17	23	1
DK XTJ401 (E)	Delta King	—	—	46.3	09/17	26	1
DPX4446RR (E)	DPL	—	72.7	45.7	09/17	23	1
AG4603	Asgrow	—	73.2	44.8	09/19	14	1
AG4403	Asgrow	64.5	77.3	44.2	09/15	27	1
94B13	Pioneer	—	68.0	43.9	09/15	26	1
TV4589RR	Terral	57.0	66.2	43.8	09/13	27	1
Progeny 4401RR	Progeny	—	72.0	43.2	09/15	26	1
SS RT 4502N	Southern States	—	66.1	43.0	09/11	27	1
DKB 44-51	DEKALB	—	—	42.4	09/15	25	1
DG 3443NRR	Dyna-Gro	60.5	78.1	41.6	09/15	28	1
Genesis C444RR	Genesis	—	76.8	41.5	09/15	24	1
Armor 44-R5	Armor	—	57.2	41.2	09/15	21	1
NK S43-B1	NK	—	—	39.1	09/15	23	1
AG4201	Asgrow	—	60.8	37.8	09/13	24	1
DK 4461RR	Delta King	56.6	69.9	36.3	09/15	27	1
DKB 46-51	DEKALB	—	—	34.9	09/15	22	1
Genesis D421RR	Genesis	—	—	34.4	09/13	19	1
DP4331RR	DPL	—	74.1	31.5	09/17	19	1
94M41	Pioneer	—	—	30.4	09/13	27	1
Overall Mean		56.2	68.5	43.0			
LSD (.10)		4.2	6.4	14.1			
Error degrees of freedom		60	70	26			
CV (%)		5.5	6.9	19.3			
R^2 (%)		84	78	57			

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

Table 45. Roundup Ready Maturity Group IV Late Soybeans Planted May 1, 2003 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor 49-P9	Armor	—	—	71.5	09/15	28	1
Delta Grow 4960RR	Delta Grow	—	82.1	67.5	09/24	25	1
FFR 4922RR	FFR	—	—	66.5	09/27	35	1
ESXVT-17RR (E)	Eagle Seed	—	—	65.6	09/29	43	1
SS RT 4930	Southern States	—	—	65.1	09/27	25	1
HBK R4922	Hornbeck	—	—	64.8	09/29	37	1
Genesis D491RR	Genesis	—	—	64.2	09/17	27	1
PGY 4860RR (E)	Progeny	—	—	63.6	09/24	23	1
DG 4860RR	Delta Grow	—	74.2	63.6	09/19	27	1
SS RT4980	Southern States	57.7	79.7	63.4	09/22	33	1
AG4902	Asgrow	57.0	75.0	63.2	09/22	29	1
SG498RR	DPL	54.7	76.3	63.2	09/17	27	1
SX03149 (E)	Dyna-Gro	—	—	62.7	09/19	25	1
DP4933RR	DPL	—	79.2	62.4	09/26	30	1
SS RT 4902	Southern States	—	77.1	62.2	09/29	39	1
94M70	Pioneer	—	—	62.0	09/13	28	1
TVX49R1L2 (E)	Terral	—	—	61.9	09/22	39	1
4888RR	Agripro	63.3	76.2	61.7	09/15	31	1
DK4967RR	Delta King	—	—	60.8	09/15	28	1
MorSoy RT4993 (E)	MorSoy	—	—	60.7	09/19	29	1
HBK R4820	Hornbeck	65.4	80.2	60.3	09/19	22	1
Genesis D484RR	Genesis	—	—	60.1	09/15	26	1
HBK R4920	Hornbeck	62.3	74.9	59.7	09/22	34	1
NK S50-N3	NK	—	—	59.6	09/30	30	1
PGY 4949RR (E)	Progeny	—	—	59.0	09/26	26	1
DK XTJ450 (E)	Delta King	—	—	59.0	09/29	21	1
TVX49R2Y4 (E)	Terral	—	—	58.6	09/20	39	1
XR48Y11 (E)	Garst	—	—	58.0	09/17	27	1
DG 4950RR	Delta Grow	60.0	78.5	57.6	09/19	31	1
3481NRR	Dyna-Gro	—	—	56.8	09/15	27	1
Progeny 4884RR	Progeny	—	—	56.6	09/17	28	1
NK S49-Q9	NK	—	79.3	55.6	09/30	27	1
SS-RT 5001N	Southern States	45.2	73.9	55.6	09/25	23	1
DK XTJ402 (E)	Delta King	—	—	55.5	09/15	26	1
DK4868RR	Delta King	61.1	79.2	55.4	09/24	26	1
SS RT517N	Southern States	51.9	68.3	55.4	09/27	21	1
TVX47R2P1 (E)	Terral	—	—	55.1	09/15	31	1
MorSoy RT4809	MorSoy	53.8	79.7	55.0	09/19	27	1
DP4724RR	DPL	—	—	54.7	09/19	27	1
94B73	Pioneer	59.0	71.5	54.0	09/15	27	1
TVX49R2Z1 (E)	Terral	—	—	53.9	09/22	31	1
MorSoy RT4802	MorSoy	—	—	53.5	09/13	25	1
PGY 4703RR (E)	Progeny	—	—	53.3	09/22	35	1
DK XTJ403 (E)	Delta King	—	—	52.7	09/17	21	1
DK XTJ447 (E)	Delta King	—	—	51.5	09/17	26	1
TV4890RR	Terral	49.5	64.6	51.5	09/15	34	1
V49N3RR	Vigoro	—	—	51.2	09/17	23	1
TVX47R1K2 (E)	Terral	—	—	51.1	09/19	31	1
DK 4763RR	Delta King	58.5	67.6	50.8	09/17	26	1
Progeny 4932RR	Progeny	—	—	49.3	09/24	35	1
TVX48R1U1 (E)	Terral	—	—	48.2	09/13	30	1
TV4886RR	Terral	52.9	68.5	48.2	09/19	32	1
Armor 47-G7	Armor	62.7	72.3	36.2	09/15	23	1
Overall Mean		55.8	73.5	57.9			
LSD (.10)		4.6	5.8	13.0			
Error degrees of freedom		74	92	52			
CV (%)		6.0	5.8	13.4			
R^2 (%)		69	74	63			

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

Table 46. Roundup Ready Maturity Group V Early Soybeans Planted May 1, 2003 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
33B52	Dyna-Gro	—	—	77.3	09/30	26	1
DK 5668RR	Delta King	57.8	69.9	73.5	09/29	26	1
DK XTJ452 (E)	Delta King	—	—	73.4	09/29	27	1
DG 3562NRR	Dyna-Gro	60.9	71.2	73.1	09/30	25	1
95B43	Pioneer	—	72.2	72.8	09/30	30	1
TV54R11	Terral	53.8	63.7	72.1	10/02	25	1
MorSoy RT5620	MorSoy	—	74.4	71.6	09/29	28	1
DG 5630RR	Delta Grow	57.6	79.0	71.5	10/04	30	1
S99-2447-02RR (E)	Public	—	—	70.8	09/29	22	1
MorSoy RT5252	MorSoy	—	64.5	70.7	10/02	23	1
Delta Grow 5650RR	Delta Grow	—	—	70.6	10/02	32	1
AG5501	Asgrow	55.7	67.5	69.6	09/29	24	1
Delta Grow 5460RR	Delta Grow	—	—	69.6	09/29	22	1
DK 5366RR	Delta King	64.6	76.5	69.4	10/02	29	1
NK S56-D7	NK	—	69.8	69.4	10/02	23	1
XR57N20 (E)	Garst	—	—	69.0	10/02	26	1
V562NRR	Vigoro	—	—	69.0	10/04	28	1
HBK R5620	Hornbeck	56.4	79.9	68.7	10/04	28	1
DKB 51-51	DEKALB	—	—	68.4	09/29	32	1
AG5301	Asgrow	—	69.4	68.1	09/30	24	1
DK 5465RR	Delta King	54.2	65.9	67.7	10/02	24	1
DP5414RR	DPL	51.6	74.1	67.4	09/29	29	1
SS RT557N	Southern States	52.8	70.3	67.1	09/29	29	1
USG 540nRR	USG	55.2	64.3	66.8	10/02	24	1
Genesis D524RR	Genesis	—	—	66.7	09/29	21	1
USG 7553nRR (E)	USG	—	—	66.4	10/02	25	1
Armor 53-K3	Armor	52.3	52.8	66.4	10/02	21	1
DP5644 RR	DPL	54.5	67.4	66.3	10/02	28	1
USG 7563nRR (E)	USG	—	—	66.3	10/02	26	1
Progeny 5250RR	Progeny	—	70.6	66.1	09/30	24	1
PGY 5503RR (E)	Progeny	—	—	65.9	09/30	28	1
TVX56R1B2 (E)	Terral	—	—	65.8	09/30	30	1
FFR 5225RR	FFR	—	—	65.6	09/30	25	1
DK XTJ404 (E)	Delta King	—	—	65.5	09/29	28	1
AGSE-531 (E)	AgSouth	—	—	65.3	09/30	35	1
95B42	Pioneer	—	66.9	65.2	09/29	28	1
DP5634RR	DPL	—	73.4	64.9	09/29	25	1
Progeny 5660RR	Progeny	61.7	62.6	64.6	10/06	27	1
MorSoy RT5553 (E)	MorSoy	—	—	64.4	09/29	31	1
HBK R5123	Hornbeck	—	—	64.4	09/30	45	2
SS RT 5302N	Southern States	—	68.9	64.2	09/30	31	1
Armor 56-J6	Armor	—	74.9	64.2	10/04	25	1
Armor AXR 5313 (E)	Armor	—	—	63.8	09/30	27	1
99VPI-67 (E)	Public	—	—	62.8	09/29	26	1
DK 5661RR	Delta King	62.3	73.5	62.5	10/02	28	1
HBK R5422	Hornbeck	—	63.6	62.2	09/29	26	1
TV56R11	Terral	62.3	72.5	61.7	10/06	31	1
USG 7524nRR (E)	USG	—	—	60.8	09/24	43	2
AG 5605	Asgrow	—	—	60.8	10/02	23	1
TV52R301 (E)	Terral	—	—	60.5	09/30	23	1
DG 3535NRR	Dyna-Gro	62.1	73.8	60.5	10/04	24	1
Progeny 5415RR	Progeny	58.0	61.6	59.9	10/02	24	1
USG 7562nRR	USG	—	—	59.8	10/04	25	1
ESXVT-18RR (E)	Eagle Seed	—	—	59.6	10/02	34	1
5212RR/N	Garst	—	—	59.1	09/30	25	1
Delta Grow 5260RR	Delta Grow	—	—	58.4	09/30	26	1
ESXVT-19RR (E)	Eagle Seed	—	—	58.1	10/04	28	1
Md92-5769RR (E)	Public	—	—	57.6	10/02	18	1
CavinessRR (E)	Public	—	—	57.5	09/30	20	1
DKB 53-51	DEKALB	—	—	57.3	09/29	22	1
TV52R42	Terral	51.4	61.1	56.8	09/27	22	1
TVX56R3K1 (E)	Terral	—	—	55.5	09/30	29	1
USG 7547RR	USG	47.0	59.9	55.0	09/30	22	1
SX03152 (E)	Dyna-Gro	—	—	54.6	09/30	25	1
DK XTJ405 (E)	Delta King	—	—	52.7	10/02	19	1
DK5561RR	Delta King	—	64.0	52.6	09/29	20	1
FFR 5542RR	FFR	—	—	52.5	10/02	21	1
NK S52-U3	NK	—	62.8	51.2	09/30	21	1
SS RT 5602	Southern States	—	—	40.9	10/04	21	1
Overall Mean		55.1	65.9	64.1			
LSD (.10)		6.2	8.7	10.7			
Error degrees of freedom		116	120	68			
CV (%)		8.3	9.7	10.0			
R^2 (%)		59	60	71			

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

Table 47. Roundup Ready Maturity Group V Late Soybeans Planted May 1, 2003 (Clarksdale, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
ESXVT-34RR (E)	Eagle Seed	—	—	74.5	10/13	33	1
6112RR/N	Garst	—	—	72.5	10/04	29	1
DK XTJ406 (E)	Delta King	—	—	70.8	09/30	27	1
DK XTJ457 (E)	Delta King	—	—	70.2	10/02	25	1
DK5967RR	Delta King	—	77.9	69.9	10/06	26	1
Armor AXR 5881 (E)	Armor	—	—	69.6	09/30	22	1
DK XTJ407 (E)	Delta King	—	—	69.5	10/05	24	1
PGY 5703RR (E)	Progeny	—	—	69.3	09/30	31	1
DG 3583NRR	Dyna-Gro	—	76.3	68.9	10/05	24	1
USG 7582nRR	USG	—	76.9	68.5	10/06	29	1
ESXVT-41RR (E)	Eagle Seed	—	—	68.3	10/06	30	1
DK XTJ4R58 (E)	Delta King	—	—	68.0	10/04	39	2
TVX58R1V2 (E)	Terral	—	—	67.6	10/05	33	1
TVX57R301 (E)	Terral	—	—	67.2	09/30	27	1
USG 570nRR	USG	62.5	73.7	67.2	10/04	24	1
DP5915RR	DPL	49.3	78.0	67.0	10/05	26	1
DK5767RR	Delta King	—	—	67.0	09/30	28	1
ES XVT46RR (E)	Eagle Seed	—	66.2	66.6	10/04	25	1
38K57	Dyna-Gro	—	—	66.1	10/02	29	1
TVX59R2Q1 (E)	Terral	—	—	66.0	10/04	32	1
SS RT 5702N	Southern States	—	74.7	65.7	09/29	32	1
AGSE-574 (E)	AgSouth	—	—	65.3	09/30	29	1
AGSE-587 (E)	AgSouth	—	—	65.2	10/02	31	1
XR59N25 (E)	Garst	—	—	65.0	10/06	25	1
TV58R11	Terral	60.5	68.4	63.9	10/04	31	1
TVX59R301 (E)	Terral	—	—	63.8	10/04	23	1
DG 5960RR	Delta Grow	—	75.5	63.8	10/04	27	1
Armor AXR 5981 (E)	Armor	—	—	63.2	10/07	26	1
MorSoy RT5903 (E)	MorSoy	—	—	62.7	10/06	26	1
TVX58R2W1 (E)	Terral	—	—	62.6	10/05	31	1
FFR 5702RR	FFR	—	—	61.6	09/30	30	1
TVX62R001	Terral	—	—	61.3	10/06	29	1
TV59R98	Terral	59.0	69.3	60.5	10/02	29	1
HBK R6020	Hornbeck	54.9	78.2	60.4	10/06	28	1
AG5903	Asgrow	—	75.8	60.2	10/04	28	1
AG5701	Asgrow	59.1	75.8	59.7	09/30	26	1
Progeny 5822RR	Progeny	—	76.2	59.5	10/05	29	1
95B96	Pioneer	66.8	73.9	59.3	10/04	23	1
5812RR/N	Garst	—	—	58.9	09/30	28	1
HBK R5823	Hornbeck	—	—	58.9	10/04	29	1
TVX57R2M1 (E)	Terral	—	—	58.1	09/30	31	1
MorSoy RT5773 (E)	MorSoy	—	—	58.0	09/30	28	1
DP5806 RR	DPL	58.5	65.9	57.3	09/30	33	1
SS RT 5999N	Southern States	54.3	70.3	56.2	09/30	30	1
SX03157 (E)	Dyna-Gro	—	—	54.2	09/25	25	1
99VPI-120 (E)	Public	—	63.0	54.0	10/04	24	1
AGSE-572 (E)	AgSouth	—	—	51.3	09/29	26	1
NK S57-P1	NK	—	—	44.0	09/27	23	1
Overall Mean		54.1	70.9	63.5			
LSD (.10)		6.6	5.8	10.0			
Error degrees of freedom		66	62	47			
CV (%)		8.9	6.0	9.4			
R^2 (%)		64	75	66			

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

Location 3. Steve Williams' Farm, Olive Branch

Location Summary

The plot area was field-cultivated and planted into good moisture, and the soybeans quickly emerged to a good stand. The growing season was better than average, with timely rainfall and below-normal temperatures. There was some disease pressure and ratings were taken. The test was harvested on time and produced good yields.

Soil type . . . . . **Collins silt loam**
Soil pH **6.5**
Soil fertility . . . . . **P=H; K=H+**
Fertilizer added . . . . . **$P_2 0_5$ @ 40 lb/A + $K_2 0$ @ 60 lb/A**
Herbicide application . . . **Preemergence — Conventional – Scepter @ 2.8 oz/A + Dual Magnum II @ 1.25 pt/A (May 28)**
Postemergence — Conventional – Storm @ 1.5 pt/A + Select @ 10 oz/A + COC (July 8)
Postemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A (June 23 & July 8)
Planting date . . . . . **May 28**
Harvest date . . . . . **Group IV - Oct. 2 & Group V - Oct. 22**

Rainfall Summary

	Inches
May	11.47
June	4.82
July	3.30
August	1.59
September	3.17
October	3.01
Total	27.36

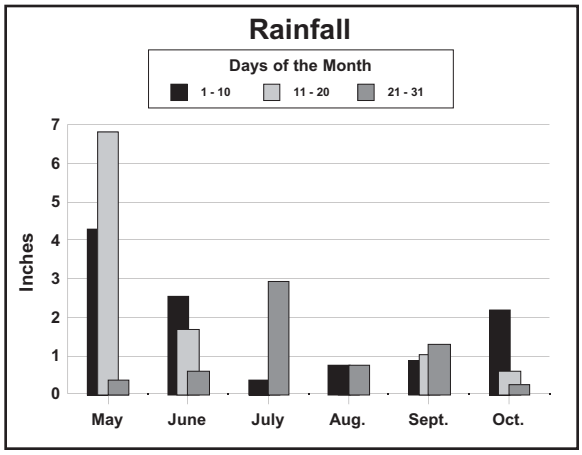

Table 48. Maturity Group IV Soybeans Planted May 28, 2003 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DT98-7278 (E)	Public	—	54.1	62.5	09/20	34	2
DP4748S	DPL	42.7	40.0	61.0	09/30	46	3
DT97-4290 (E)	Public	—	—	60.8	09/30	38	2
R98-1817 (E)	Public	—	—	60.4	09/26	32	3
DT99-17400 (E)	Public	—	—	58.7	09/26	31	1
DT98-9102 (E)	Public	—	49.4	57.7	09/28	35	3
Progeny 4910	Progeny	50.7	41.0	54.1	09/28	42	3
HBK 4944CX	Hornbeck	—	39.2	52.0	09/28	40	2
HBK 4992	Hornbeck	—	—	48.0	09/28	45	2
Overall Mean		46.7	44.0	57.3			
LSD (.10)		8.9	9.2	4.8			
Error degrees of freedom		22	10	16			
CV (%)		13.7	14.1	5.8			
R^2 (%)		85	61	79			

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

Table 49. Maturity Group V Early Soybeans Planted May 28, 2003 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
Anand	Public	—	—	70.5	10/09	27	1
A5427	Asgrow	—	63.4	67.7	10/02	31	1
USG 5002T (E)	USG	—	—	67.3	10/02	27	2
Armor 56-C4	Armor	—	—	63.7	10/12	32	2
R97-1634 (E)	Public	—	—	62.0	10/12	30	2
Ozark	Public	—	—	61.5	10/09	31	3
USG 5601T	USG	—	—	61.3	10/08	36	2
DP5110S	DPL	38.9	49.0	59.8	10/03	44	3
V96-0340 (E)	Public	—	—	59.3	10/02	32	2
DPX5520S (E)	DPL	—	—	59.2	10/12	44	2
Armor 52-C2	Armor	45.0	37.8	56.2	10/09	38	2
DT99-17483 (E)	Public	—	—	55.1	10/09	25	3
Delsoy 5500	Public	—	—	53.8	10/02	32	3
Progeny 5600	Progeny	38.8	52.5	51.0	10/09	32	3
Overall Mean		43.9	50.2	60.6			
LSD (.10)		17.7	7.9	5.8			
Error degrees of freedom		22	10	26			
CV (%)		28.7	10.6	6.8			
R^2 (%)		54	82	74			

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

Table 50. Maturity Group V Late Soybeans Planted May 28, 2003 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 5995	Delta King	49.3	61.6	56.4	10/12	34	3
95B97	Pioneer	49.9	45.8	54.4	10/01	33	3
HBK 5991	Hornbeck	47.8	45.0	52.7	10/12	35	3
DT98-11850 (E)	Public	—	—	49.9	10/03	32	1
Freedom	Public	51.9	54.2	48.5	10/09	35	3
Lonoke	Public	—	—	48.0	10/09	33	3
9594	Pioneer	50.7	51.1	46.9	10/09	37	3
HBK 5592	Hornbeck	—	—	45.9	10/02	34	4
DT99-17574 (E)	Public	—	—	44.1	10/01	34	3
ESX-RB5 (E)	Eagle Seed	—	—	43.6	10/09	30	1
Bolivar	Public	40.7	40.2	43.3	10/09	46	3
Desha	Public	—	—	43.0	10/09	43	2
XR98-209 (E)	Public	—	—	42.5	10/09	40	2
Hutcheson	Public	48.3	43.1	39.5	09/30	24	2
Overall Mean		48.4	49.8	47.1			
LSD (.10)		6.9	8.4	7.2			
Error degrees of freedom		30	18	26			
CV (%)		10.3	12.0	11.0			
R^2 (%)		67	73	74			

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

Table 51. Roundup Ready Maturity Group IV Early Soybeans Planted May 28, 2003 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
Genesis D421RR	Genesis	—	—	80.3	09/20	30	1
Armor 44-R5	Armor	—	59.8	68.4	09/21	30	1
AG 4502	Asgrow	—	—	63.0	09/26	32	1
Genesis C444RR	Genesis	—	48.5	60.7	09/22	35	1
DK 4461RR	Delta King	52.4	52.9	59.9	09/26	34	2
XR46Y02 (E)	Garst	—	—	58.9	09/26	33	1
Armor 44-R4	Armor	55.5	54.2	58.6	09/22	36	1
94B13	Pioneer	—	43.7	58.3	09/26	33	1
HBK R4623	Hornbeck	—	—	58.2	09/25	40	2
DG 3443NRR	Dyna-Gro	56.1	49.9	58.0	09/26	32	1
DKB 46-51	DEKALB	—	—	57.1	09/28	35	1
DP4331RR	DPL	—	53.8	57.0	09/23	36	1
MorSoy RT4480	MorSoy	—	52.7	56.4	09/26	37	1
SS RT 4502N	Southern States	—	52.7	56.2	09/23	37	1
AG4403	Asgrow	62.9	53.5	56.2	09/21	37	2
94M41	Pioneer	—	—	55.7	09/26	40	2
Progeny 4401RR	Progeny	—	47.7	55.6	09/24	35	1
AG4201	Asgrow	—	42.3	55.5	09/26	32	1
DK XTJ401 (E)	Delta King	—	—	55.5	09/26	39	1
AG4603	Asgrow	—	43.3	54.6	09/24	32	1
DKB 44-51	DEKALB	—	—	54.4	09/22	40	2
USG 7440nRR	USG	—	50.9	54.1	09/26	38	2
DPX4446RR (E)	DPL	—	57.9	53.5	09/26	38	2
DG 3463NRR	Dyna-Gro	52.5	39.5	52.6	09/24	44	2
TV4589RR	Terral	50.2	33.3	51.4	09/28	37	2
NK S43-B1	NK	—	—	50.1	09/23	33	1
DP 4690RR	DPL	46.9	53.3	49.8	09/26	37	2
Overall Mean		50.8	47.2	57.4			
LSD (.10)		8.8	7.1	8.3			
Error degrees of freedom		60	70	52			
CV (%)		12.7	11.0	10.6			
R^2 (%)		89	76	61			

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

Table 52. Roundup Ready Maturity Group IV Late Soybeans Planted May 28, 2003 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 4860RR	Delta Grow	—	45.1	67.6	09/25	36	2
SS RT 4930	Southern States	—	—	65.5	09/30	37	2
PGY 4949RR (E)	Progeny	—	—	65.1	09/30	40	3
Genesis D491RR	Genesis	—	—	64.5	09/24	32	2
Delta Grow 4960RR	Delta Grow	—	—	64.5	09/30	38	2
DK 4763RR	Delta King	48.6	48.1	64.3	09/28	33	2
DK XTJ450 (E)	Delta King	—	—	63.9	09/30	37	2
Progeny 4884RR	Progeny	—	—	63.9	09/26	32	1
MorSoy RT4802	MorSoy	—	—	63.6	09/25	34	2
Armor 47-G7	Armor	—	47.2	63.5	09/25	37	2
DK4967RR	Delta King	—	—	63.1	09/26	34	1
Genesis D484RR	Genesis	—	—	62.8	09/26	35	1
SX03149 (E)	Dyna-Gro	—	—	62.4	09/26	31	2
DK XTJ402 (E)	Delta King	—	—	62.2	09/25	36	2
DK XTJ447 (E)	Delta King	—	—	61.2	09/26	37	2
DK XTJ403 (E)	Delta King	—	—	61.0	09/28	33	2
V49N3RR	Vigoro	—	—	60.7	09/26	35	1
HBK R4820	Hornbeck	—	35.9	60.1	09/25	34	1
Armor 49-P9	Armor	—	—	59.9	09/30	36	2
ESXVT-17RR (E)	Eagle Seed	—	—	58.8	09/30	38	3
PGY 4860RR (E)	Progeny	—	—	58.4	09/25	38	2
NK S49-Q9	NK	—	48.2	58.3	09/30	39	1
94M70	Pioneer	—	—	58.1	09/24	39	2
94B73	Pioneer	—	55.0	58.0	09/25	39	1
DK4868RR	Delta King	54.3	45.2	57.0	09/26	36	2
MorSoy RT4993 (E)	MorSoy	—	—	56.8	09/30	36	2
NK S50-N3	NK	—	—	56.6	09/25	44	2
MorSoy RT4809	MorSoy	46.3	45.7	55.9	09/26	36	1
DP4724RR	DPL	—	—	55.9	09/26	35	1
DP4933RR	DPL	—	41.3	55.1	09/26	39	1
XR48Y11 (E)	Garst	—	—	54.9	09/26	38	2
HBK R4920	Hornbeck	47.1	54.2	54.9	09/30	45	3
4888RR	Agripro	—	56.3	54.6	09/28	38	2
SS RT 4902	Southern States	—	40.5	54.4	09/28	37	1
HBK R4922	Hornbeck	—	—	54.3	09/26	40	1
SS RT517N	Southern States	—	38.4	54.1	09/30	38	2
FFR 4922RR	FFR	—	38.1	53.6	09/25	39	1
3481NRR	Dyna-Gro	—	—	53.5	09/26	34	2
TV4890RR	Terral	41.6	37.6	53.2	09/25	40	2
AG4902	Asgrow	50.2	50.5	53.1	09/30	37	2
Progeny 4932RR	Progeny	—	—	52.7	09/25	41	1
TVX49R1L2 (E)	Terral	—	—	52.6	09/30	41	2
SS-RT 5001N	Southern States	—	50.1	51.6	09/30	37	2
TVX49R2Z1 (E)	Terral	—	—	50.5	09/28	41	2
DG 4950RR	Delta Grow	42.7	50.4	50.2	09/28	40	2
SS RT4980	Southern States	47.9	52.0	49.5	09/30	39	2
TVX49R2Y4 (E)	Terral	—	—	49.1	09/30	47	2
SG498RR	DPL	45.2	45.9	49.0	09/26	37	1
TVX47R1K2 (E)	Terral	—	—	45.6	09/25	39	2
PGY 4703RR (E)	Progeny	—	—	45.2	09/30	41	3
TVX47R2P1	Terral	—	—	44.8	09/24	34	2
TVX48R1U1	Terral	—	—	44.7	09/25	39	3
TV4886RR	Terral	42.2	32.2	41.8	09/24	41	2
Overall Mean		45.5	44.3	56.5			
LSD (.10)		10.2	6.9	6.3			
Error degrees of freedom		74	92	104			
CV (%)		16.4	11.5	8.2			
R^2 (%)		81	72	74			

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

Table 53. Roundup Ready Maturity Group V Early Soybeans Planted May 28, 2003 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
PGY 5503RR (E)	Progeny	—	—	63.2	10/09	40	2
MorSoy RT5553 (E)	MorSoy	—	—	62.3	10/10	43	2
AG 5605	Asgrow	—	—	62.1	10/08	35	2
DP5634RR	DPL	—	66.2	62.1	10/13	39	3
TV52R301 (E)	Terral	—	—	61.6	10/12	34	2
DK 5366RR	Delta King	54.5	67.5	60.3	10/09	39	4
AGSE-531 (E)	AgSouth	—	—	60.2	10/14	43	2
TV54R11	Terral	47.4	43.2	59.7	10/09	35	2
AG5501	Asgrow	47.4	51.5	59.4	10/12	41	2
MorSoy RT5252	MorSoy	—	57.3	59.3	10/03	35	1
DP5414RR	DPL	46.5	51.3	59.2	10/12	48	2
USG 540nRR	USG	52.9	45.0	59.1	10/10	37	1
Genesis D524RR	Genesis	—	—	59.0	10/03	36	3
DK 5661RR	Delta King	50.3	51.5	58.9	10/14	39	2
SS RT 5602	Southern States	—	—	58.2	10/03	35	2
Progeny 5250RR	Progeny	—	51.1	57.6	10/04	38	2
Armor AXR 5313 (E)	Armor	—	—	57.5	10/03	40	3
33B52	Dyna-Gro	—	—	57.3	10/03	37	3
Progeny 5660RR	Progeny	50.0	58.5	57.2	10/16	44	3
DK 5465RR	Delta King	48.7	37.8	56.6	10/12	36	1
Delta Grow 5650RR	Delta Grow	—	—	56.5	10/13	39	3
DG 5630RR	Delta Grow	44.8	54.3	56.4	10/10	35	2
USG 7563nRR (E)	USG	—	—	56.1	10/13	38	3
HBK R5620	Hornbeck	49.7	65.4	56.0	10/13	38	3
USG 7553nRR (E)	USG	—	—	55.9	10/09	46	2
DK 5668RR	Delta King	48.8	64.8	55.6	10/12	34	3
FFR 5225RR	FFR	—	—	55.5	10/03	36	2
DK XTJ404 (E)	Delta King	—	—	55.5	10/08	43	3
Delta Grow 5460RR	Delta Grow	—	—	55.4	10/10	40	2
Progeny 5415RR	Progeny	44.2	40.1	55.2	10/16	35	2
DP5644 RR	DPL	50.0	61.8	54.8	10/09	41	2
DK5561RR	Delta King	—	47.7	54.5	10/10	40	2
AG5301	Asgrow	—	52.5	54.2	10/03	43	2
Md92-5769RR (E)	Public	—	—	54.0	10/03	30	1
USG 7562nRR	USG	—	—	54.0	10/14	38	2
SS RT 5302N	Southern States	—	52.5	53.4	10/05	39	2
DG 3535NRR	Dyna-Gro	48.1	61.7	53.2	10/08	38	4
MorSoy RT5620	MorSoy	—	71.3	53.2	10/04	34	3
HBK R5422	Hornbeck	—	56.9	53.1	10/03	44	2
TVX56R3K1 (E)	Terral	—	—	53.1	10/10	49	3
95B42	Pioneer	—	50.1	53.0	10/03	39	3
TV56R11	Terral	47.7	56.1	52.6	10/14	43	3
NK S56-D7	NK	—	43.5	52.3	10/02	40	3
NK S52-U3	NK	—	61.3	51.9	10/01	35	3
FFR 5542RR	FFR	—	—	51.7	10/03	39	3
DKB 53-51	DEKALB	—	—	51.6	10/03	38	3
XR57N20 (E)	Garst	—	—	51.5	10/09	38	3
99VPI-67 (E)	Public	—	—	51.2	10/10	46	2
TV52R42	Terral	42.3	40.3	51.1	10/01	40	3
DG 3562NRR	Dyna-Gro	50.1	72.2	51.0	10/10	33	3
DK XTJ452 (E)	Delta King	—	—	50.8	10/06	34	3
DK XTJ405 (E)	Delta King	—	—	50.6	10/03	36	2
ESXVT-19RR (E)	Eagle Seed	—	—	50.3	10/12	36	2
TVX56R1B2 (E)	Terral	—	—	50.2	10/10	31	3
Armor 56-J6	Armor	—	59.7	50.0	10/10	40	2
DKB 51-51	DEKALB	—	—	49.7	10/09	44	3
USG 7547RR	USG	42.1	45.8	49.0	10/01	38	3
Delta Grow 5260RR	Delta Grow	—	—	48.7	10/03	40	3
5212RR/N	Garst	—	—	48.4	10/03	39	2
Armor 53-K3	Armor	47.3	39.1	47.2	10/10	34	2
95B43	Pioneer	—	49.0	46.9	10/03	40	3
S99-2447-02RR (E)	Public	—	—	46.4	10/01	39	2
SS RT557N	Southern States	44.5	42.1	45.8	10/03	47	4
ESXVT-18RR (E)	Eagle Seed	—	—	45.0	10/09	40	1
SX03152 (E)	Dyna-Gro	—	—	44.9	10/03	35	1
CavinessRR (E)	Public	—	—	44.2	10/03	35	3
V562NRR	Vigoro	—	—	43.7	10/16	44	3
USG 7524nRR (E)	USG	—	—	42.6	10/03	46	3
HBK R5123	Hornbeck	—	—	40.5	10/04	42	4
Overall Mean		45.2	49.6	53.6			
LSD (.10)		6.0	8.7	7.1			
Error degrees of freedom		116	120	136			
CV (%)		9.8	12.9	9.7			
R^2 (%)		83	79	62			

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

Table 54. Roundup Ready Maturity Group V Late Soybeans Planted May 28, 2003 (Olive Branch, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5903	Asgrow	—	71.2	64.8	10/12	44	4
6112RR/N	Garst	—	—	64.2	10/11	41	2
TVX62R001	Terral	—	—	64.0	10/16	40	2
MorSoy RT5773 (E)	MorSoy	—	—	63.3	10/10	42	2
XR59N25 (E)	Garst	—	—	63.2	10/14	40	2
DK XTJ4R58 (E)	Delta King	—	—	62.5	10/12	44	3
DP5915RR	DPL	60.2	61.6	61.6	10/16	36	2
DK XTJ406 (E)	Delta King	—	—	61.5	10/12	40	3
USG 570nRR	USG	51.0	60.0	60.5	10/16	40	2
AGSE-587 (E)	AgSouth	—	—	60.2	10/16	43	3
AGSE-574 (E)	AgSouth	—	—	59.6	10/12	36	4
DG 3583NRR	Dyna-Gro	—	64.3	58.8	10/14	38	2
DK XTJ457 (E)	Delta King	—	—	57.9	10/14	41	3
99VPI-120 (E)	Public	—	37.7	57.5	10/12	40	2
TVX57R2M1 (E)	Terral	—	—	57.1	10/10	43	2
NK S57-P1	NK	—	—	57.1	10/10	36	3
TVX57R301 (E)	Terral	—	—	57.0	10/11	35	3
ES XVT46RR (E)	Eagle Seed	—	60.6	57.0	10/16	40	2
AG5701	Asgrow	47.7	63.3	55.9	10/16	42	2
PGY 5703RR (E)	Progeny	—	—	55.8	10/14	37	3
TVX59R301 (E)	Terral	—	—	55.7	10/12	37	3
DK5967RR	Delta King	—	66.2	55.3	10/11	40	2
DK5767RR	Delta King	—	—	54.8	10/12	38	3
TV58R11	Terral	53.0	59.3	54.7	10/12	38	3
5812RR/N	Garst	—	—	54.5	10/12	46	2
Progeny 5822RR	Progeny	—	66.5	54.0	10/04	43	3
AGSE-572 (E)	AgSouth	—	—	54.0	10/13	37	4
Armor AXR 5981 (E)	Armor	—	—	53.9	10/11	37	2
SS RT 5999N	Southern States	42.5	49.9	53.8	10/10	45	2
USG 7582nRR	USG	—	64.3	53.7	10/14	38	3
95B96	Pioneer	47.4	50.2	53.5	10/10	38	3
TVX58R1V2 (E)	Terral	—	—	53.5	10/14	38	3
HBK R5823	Hornbeck	—	—	53.4	10/14	44	2
38K57	Dyna-Gro	—	—	53.3	10/16	35	3
DP5806 RR	DPL	49.7	57.3	53.2	10/16	42	3
DG 5960RR	Delta Grow	—	67.1	53.1	10/10	39	3
TVX58R2W1 (E)	Terral	—	—	52.8	10/16	39	3
TV59R98	Terral	38.7	54.0	52.3	10/12	48	3
SS RT 5702N	Southern States	—	50.5	52.3	10/12	48	2
HBK R6020	Hornbeck	47.0	62.1	52.3	10/16	41	2
MorSoy RT5903 (E)	MorSoy	—	—	51.9	10/11	37	3
Armor AXR 5881 (E)	Armor	—	—	51.8	10/10	42	4
ESXVT-41RR (E)	Eagle Seed	—	—	51.7	10/16	44	3
ESXVT-34RR (E)	Eagle Seed	—	—	51.3	10/16	47	3
FFR 5702RR	FFR	—	—	51.3	10/11	44	3
TVX59R2Q1 (E)	Terral	—	—	50.7	10/11	47	2
DK XTJ407 (E)	Delta King	—	—	45.5	10/11	38	3
SX03157 (E)	Dyna-Gro	—	—	45.1	10/10	36	4
Overall Mean		46.2	55.5	55.7			
LSD (.10)		6.8	6.5	8.2			
Error degrees of freedom		66	62	94			
CV (%)		10.8	8.5	10.9			
R^2 (%)		66	84	50			

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

Location 4. Gibb Steele Farm, Longwood

Location Summary

Weather for 2003 was beneficial to soybean production. Rainfall occurred in a timely manner for most of the early growing season. Temperatures were not extreme at any time. There were very few days with actual daytime temperatures exceeding 95 degrees.

Soil type . . . . . **Sharkey clay**
Soil pH **7.4**
Soil fertility . . . . . **P=H; K=H+**
Fertilizer added . . . . . **None**
Herbicide application . . . **Preemergence — Conventional – Scepter @ 2.8 oz/A + Dual Magnum II @ 2.25 pt/A (April 15)**
Reflex @ 1.5 pt/A + Select @ 10 oz/A (June 4)
Postemergence — Roundup Weathermax @ 22 oz/A (May 15 & June 4)
Irrigation . . . . . **July 2, July 17, July 29, Aug. 15 & Sept. 1**
Planting date . . . . . **April 15**
Harvest date . . . . . **Group IV Early RR - Sept. 9**
Group IV Conventional & RR IV Late - Sept. 16
Group V Conventional & RR - Oct. 1

Rainfall Summary

	Inches
May	1.40
June	9.40
July	1.95
August	1.60
September	4.40
Total	18.75

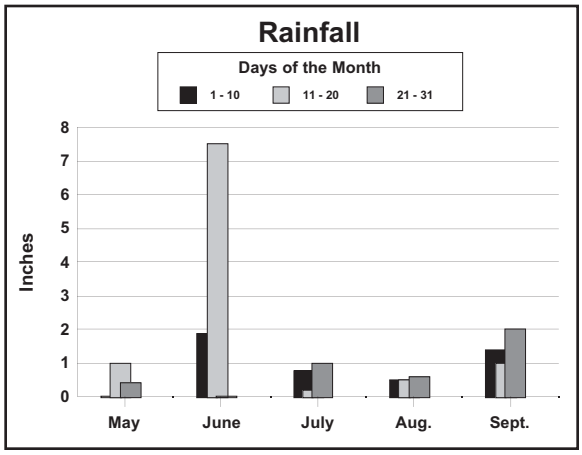

Table 55. Maturity Group IV Soybeans Planted April 15, 2003 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
R98-1817 (E)	Public	—	—	73.0	09/03	20	1
DT98-7278 (E)	Public	—	53.1	70.8	09/06	23	1
DT99-17400 (E)	Public	—	—	69.6	09/07	21	1
Progeny 4910	Progeny	60.4	52.5	68.8	08/26	36	2
DT98-9102 (E)	Public	—	68.5	65.4	09/06	26	1
HBK 4992	Hornbeck	—	—	60.8	08/28	39	3
DP4748S	DPL	65.6	56.5	59.4	08/25	32	3
DT97-4290 (E)	Public	—	—	52.8	08/24	28	2
HBK 4944CX	Hornbeck	—	38.3	48.2	09/02	37	3
Overall Mean		59.8	55.9	63.2			
LSD (.10)		12.7	13.6	7.4			
Error degrees of freedom		22	10	16			
CV (%)		15.1	16.5	8.2			
R^2 (%)		68	69	81			

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

Table 56. Maturity Group V Early Soybeans Planted April 15, 2003 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 5002T (E)	USG	—	—	75.7	09/12	20	1
R97-1634 (E)	Public	—	—	75.6	09/11	20	1
Ozark	Public	—	—	73.5	09/10	28	1
Armor 56-C4	Armor	—	—	72.8	09/19	27	1
Delsoy 5500	Public	—	—	69.7	09/21	28	1
V96-0340 (E)	Public	—	—	69.3	09/06	16	1
USG 5601T	USG	—	—	68.9	09/10	22	1
Progeny 5600	Progeny	58.9	66.4	68.6	09/07	25	1
A5427	Asgrow	—	64.7	68.4	09/08	14	1
DP5110S	DPL	60.3	69.1	66.7	09/05	44	2
Anand	Public	—	—	66.5	09/17	21	1
DPX5520S (E)	DPL	—	—	66.1	09/18	33	1
DT99-17483 (E)	Public	—	—	65.6	09/17	21	1
Armor 52-C2	Armor	59.4	67.2	65.1	09/11	24	1
Overall Mean		61.9	65.0	69.5			
LSD (.10)		12.7	13.2	5.4			
Error degrees of freedom		22	10	26			
CV (%)		14.7	13.7	5.6			
R^2 (%)		51	38	57			

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

Table 57. Maturity Group V Late Soybeans Planted April 15, 2003 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK 5991	Hornbeck	69.0	65.3	75.6	09/18	23	1
9594	Pioneer	72.8	71.4	73.6	09/22	27	1
95B97	Pioneer	71.6	70.0	71.0	09/17	18	1
DK 5995	Delta King	75.3	65.6	69.9	09/21	23	1
Lonoke	Public	—	—	69.5	09/21	31	1
Hutcheson	Public	67.1	68.5	69.4	09/06	19	1
DT98-11850 (E)	Public	—	—	68.5	09/17	25	1
DT99-17574 (E)	Public	—	—	63.5	09/14	19	1
HBK 5592	Hornbeck	—	—	63.1	09/28	40	2
Desha	Public	—	—	61.1	09/25	26	1
Bolivar	Public	60.3	57.8	59.2	09/17	36	2
Freedom	Public	69.1	62.4	58.6	09/15	30	1
XR98-209 (E)	Public	—	—	55.2	09/24	30	1
ESX-RB5 (E)	Eagle Seed	—	—	49.5	09/12	20	1
Overall Mean		67.0	65.1	64.8			
LSD (.10)		6.4	19.2	6.0			
Error degrees of freedom		30	18	26			
CV (%)		6.9	20.8	6.6			
R^2 (%)		80.	18	82			

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

Table 58. Roundup Ready Maturity Group IV Early Soybeans Planted April 15, 2003 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4201	Asgrow	—	68.4	59.5	08/30	31	1
DK XTJ401 (E)	Delta King	—	—	59.2	09/02	29	1
DK 4461RR	Delta King	40.8	51.0	59.1	08/31	32	1
SS RT 4502N	Southern States	—	61.3	59.0	08/19	36	1
DG 3443NRR	Dyna-Gro	50.5	49.5	57.4	08/31	33	1
DKB 46-51	DEKALB	—	—	57.1	08/29	27	1
DP 4690RR	DPL	53.4	62.0	57.0	09/06	33	1
HBK R4623	Hornbeck	—	—	56.1	08/19	32	2
DPX4446RR (E)	DPL	—	51.4	55.4	09/05	39	1
DP4331RR	DPL	—	52.8	54.9	08/30	32	1
Progeny 4401RR	Progeny	—	60.5	54.8	09/03	33	1
DKB 44-51	DEKALB	—	—	54.2	09/02	29	1
Armor 44-R4	Armor	41.9	54.1	53.7	09/03	27	1
USG 7440nRR	USG	—	53.9	53.7	09/02	29	1
TV4589RR	Terral	46.8	62.1	53.6	09/06	29	1
AG4403	Asgrow	54.2	50.4	53.4	09/05	31	1
MorSoy RT4480	MorSoy	—	53.1	53.0	09/01	32	1
Genesis C444RR	Genesis	—	43.7	52.4	09/06	28	1
AG4603	Asgrow	—	61.7	51.6	09/02	28	1
NK S43-B1	NK	—	—	51.3	09/01	26	1
XR46Y02 (E)	Garst	—	—	49.3	08/24	36	2
DG 3463NRR	Dyna-Gro	49.2	59.4	47.6	08/17	31	1
94M41	Pioneer	—	—	45.8	09/01	25	1
AG 4502	Asgrow	—	—	43.8	08/30	29	1
Armor 44-R5	Armor	—	49.2	42.1	09/01	24	1
94B13	Pioneer	—	47.9	39.4	09/06	30	1
Genesis D421RR	Genesis	—	—	38.1	08/28	21	1
Overall Mean		47.2	54.4	52.3			
LSD (.10)		8.9	11.0	10.5			
Error degrees of freedom		60	70	52			
CV (%)		13.8	14.8	14.7			
R^2 (%)		69	51	53			

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

Table 59. Roundup Ready Maturity Group IV Late Soybeans Planted April 15, 2003 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
FFR 4922RR	FFR	—	67.4	74.9	09/09	39	2
HBK R4820	Hornbeck	—	76.5	73.8	09/05	24	1
DK4868RR	Delta King	59.0	70.5	73.6	09/04	32	1
Progeny 4932RR	Progeny	—	—	73.3	09/07	42	2
MorSoy RT4809	MorSoy	54.6	72.3	72.8	09/08	30	1
SG498RR	DPL	67.4	77.8	72.5	09/04	22	1
DP4933RR	DPL	—	72.7	71.6	09/10	40	2
SS RT 4902	Southern States	—	76.7	70.9	09/05	42	2
SS RT517N	Southern States	—	67.7	70.8	09/07	21	1
HBK R4922	Hornbeck	—	—	69.3	09/05	40	2
XR48Y11 (E)	Garst	—	—	69.2	08/27	29	2
PGY 4703RR (E)	Progeny	—	—	68.3	09/02	36	1
MorSoy RT4993 (E)	MorSoy	—	—	66.7	09/06	29	1
SS RT4980	Southern States	61.7	66.5	66.4	09/06	33	2
TVX49R2Y4 (E)	Terral	—	—	66.3	08/31	34	2
Armor 49-P9	Armor	—	—	66.3	09/09	29	1
PGY 4860RR (E)	Progeny	—	—	66.2	09/05	21	1
TVX49R2Z1 (E)	Terral	—	—	66.2	09/02	36	2
DG 4950RR	Delta Grow	65.8	64.3	65.0	09/06	34	3
SX03149 (E)	Dyna-Gro	—	—	64.9	09/06	26	1
Delta Grow 4960RR	Delta Grow	—	—	64.4	09/06	24	1
NK S49-Q9	NK	—	51.7	63.7	09/11	32	1
TVX49R1L2 (E)	Terral	—	—	62.7	09/03	33	1
DK XTJ447 (E)	Delta King	—	—	62.4	09/03	29	1
AG4902	Asgrow	52.9	75.5	61.4	09/05	30	1
DK XTJ450 (E)	Delta King	—	—	61.2	09/05	21	1
DK 4763RR	Delta King	57.0	66.1	61.1	09/02	28	1
ESXVT-17RR (E)	Eagle Seed	—	—	60.6	09/15	45	3
PGY 4949RR (E)	Progeny	—	—	60.4	09/07	29	1
SS-RT 5001N	Southern States	—	58.7	60.1	09/11	30	1
4888RR	Agripro	—	67.9	60.0	09/04	29	2
DK XTJ402 (E)	Delta King	—	—	59.8	09/03	27	1
HBK R4920	Hornbeck	64.1	67.5	59.0	09/02	32	1
NK S50-N3	NK	—	—	58.8	09/11	32	1
DP4724RR	DPL	—	—	58.6	08/22	27	1
MorSoy RT4802	MorSoy	—	—	58.5	08/31	27	1
Genesis D491RR	Genesis	—	—	58.4	09/08	28	1
SS RT 4930	Southern States	—	—	58.1	09/10	26	1
Armor 47-G7	Armor	—	68.5	57.8	09/04	27	1
DK4967RR	Delta King	—	—	57.4	08/27	30	2
Genesis D484RR	Genesis	—	—	57.4	08/28	27	1
TVX48R1U1 (E)	Terral	—	—	56.7	08/31	34	2
TV4886RR	Terral	54.2	60.8	56.3	09/06	34	2
V49N3RR	Vigoro	—	—	55.9	08/21	26	1
TVX47R2P1 (E)	Terral	—	—	54.9	08/29	31	2
DG 4860RR	Delta Grow	—	71.8	54.8	08/24	24	1
DK XTJ403 (E)	Delta King	—	—	54.3	08/23	30	2
TVX47R1K2 (E)	Terral	—	—	53.7	09/03	30	1
3481NRR	Dyna-Gro	—	—	53.5	08/24	27	2
94B73	Pioneer	—	72.9	52.6	09/05	32	1
Progeny 4884RR	Progeny	—	—	50.8	08/28	31	1
94M70	Pioneer	—	—	47.3	09/08	32	1
TV4890RR	Terral	52.2	59.9	46.5	08/20	34	2
Overall Mean		56.1	65.5	62.0			
LSD (.10)		8.1	7.5	6.2			
Error degrees of freedom		74	92	104			
CV (%)		10.6	8.4	7.4			
R^2 (%)		62	72	78			

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

Table 60. Roundup Ready Maturity Group V Early Soybeans Planted April 15, 2003 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
95B43	Pioneer	—	83.3	76.1	09/12	23	1
DKB 53-51	DEKALB	—	—	74.1	09/11	22	1
DK 5661RR	Delta King	65.3	76.9	71.9	09/14	20	1
Delta Grow 5260RR	Delta Grow	—	—	71.8	09/15	20	1
DK XTJ404 (E)	Delta King	—	—	71.1	09/13	26	1
DK 5366RR	Delta King	76.9	85.6	70.3	09/16	29	1
HBK R5620	Hornbeck	71.7	82.7	70.0	09/18	25	1
SS RT557N	Southern States	71.6	76.5	69.8	09/13	25	1
95B42	Pioneer	—	68.9	69.6	09/11	29	1
S99-2447-02RR (E)	Public	—	—	69.5	09/20	28	1
TV52R301 (E)	Terral	—	—	69.5	09/08	18	1
Genesis D524RR	Genesis	—	—	69.2	09/11	20	1
DG 3562NRR	Dyna-Gro	66.2	77.1	69.1	09/11	20	1
DK XTJ452 (E)	Delta King	—	—	69.0	09/05	22	1
AGSE-531 (E)	AgSouth	—	—	68.9	09/09	30	1
Progeny 5660RR (E)	Progeny	69.4	80.6	68.9	09/20	28	1
MorSoy RT5553 (E)	MorSoy	—	—	68.7	09/10	30	1
USG 7553nRR (E)	USG	—	—	68.1	09/13	19	1
DG 5630RR	Delta Grow	67.1	78.2	67.8	09/17	22	1
NK S56-D7	NK	—	76.0	67.6	09/09	25	1
Armor AXR 5313 (E)	Armor	—	—	67.6	09/05	20	1
DG 3535NRR	Dyna-Gro	66.1	83.2	67.5	09/16	24	1
33B52	Dyna-Gro	—	—	67.1	09/03	20	1
MorSoy RT5620	MorSoy	—	73.8	67.1	09/13	22	1
Progeny 5250RR	Progeny	—	76.7	67.0	09/08	20	1
XR57N20 (E)	Garst	—	—	66.3	09/17	30	1
PGY 5503RR (E)	Progeny	—	—	65.9	09/12	23	1
V562NRR	Vigoro	—	—	65.8	09/17	28	1
USG 7562nRR	USG	—	—	65.2	09/19	30	1
USG 7563nRR (E)	USG	—	—	65.1	09/15	20	1
Armor 56-J6	Armor	—	80.1	65.0	09/25	22	1
USG 7547RR	USG	67.0	57.2	64.8	09/12	20	1
MorSoy RT5252	MorSoy	—	68.4	64.5	09/08	22	1
DK 5668RR	Delta King	72.6	76.9	64.5	09/15	19	1
Md92-5769RR (E)	Public	—	—	64.3	09/11	19	1
SX03152 (E)	Dyna-Gro	—	—	63.8	09/15	20	1
AG 5605	Asgrow	—	—	63.7	09/14	19	1
HBK R5422	Hornbeck	—	69.4	63.7	09/17	32	1
AG5301	Asgrow	—	78.5	63.1	09/17	26	1
SS RT 5302N	Southern States	—	71.4	63.0	09/15	17	1
FFR 5225RR	FFR	—	—	62.8	09/10	23	1
DP5634RR	DPL	—	78.3	62.5	09/14	27	1
AG5501	Asgrow	68.7	77.9	62.5	09/20	28	1
Delta Grow 5460RR	Delta Grow	—	—	62.1	09/11	19	1
DP5644 RR	DPL	72.3	73.6	61.4	09/18	22	1
TVX56R3K1 (E)	Terral	—	—	61.0	09/12	28	1
SS RT 5602	Southern States	—	—	61.0	09/07	20	1
Delta Grow 5650RR	Delta Grow	—	—	60.9	09/17	29	1
TV56R11	Terral	68.0	81.0	60.9	09/19	30	1
5212RR/N	Garst	—	—	60.9	09/18	29	1
TV54R11	Terral	64.2	66.6	60.8	09/19	16	1
Armor 53-K3	Armor	54.0	70.8	60.7	09/12	21	1
FFR 5542RR	FFR	—	—	60.6	09/08	20	1
NK S52-U3	NK	—	67.8	60.0	09/10	20	1
USG 540nRR	USG	65.1	72.5	59.1	09/21	26	1
DP5414RR	DPL	65.4	70.6	58.7	09/15	30	1
DK XTJ405 (E)	Delta King	—	—	58.4	09/16	20	1
99VPI-67	Public	—	—	58.2	09/08	21	1
Progeny 5415RR	Progeny	61.2	68.4	57.4	09/18	20	1
DK5561RR	Delta King	—	71.3	57.2	09/14	24	1
DK 5465RR	Delta King	64.1	67.6	56.6	09/25	21	1
CavinessRR (E)	Public	—	—	56.5	09/07	19	1
TVX56R1B2 (E)	Terral	—	—	55.1	09/13	26	1
TV52R42	Terral	56.4	66.2	53.3	09/13	30	1
USG 7524nRR (E)	USG	—	—	52.8	09/01	49	1
ESXVT-19RR (E)	Eagle Seed	—	—	51.5	09/20	21	1
DKB 51-51	DEKALB	—	—	51.0	09/08	30	1
HBK R5123	Hornbeck	—	—	48.4	09/15	44	1
ESXVT-18RR (E)	Eagle Seed	—	—	45.2	09/15	26	1
Overall Mean		62.4	70.0	63.5			
LSD (.10)		10.3	9.5	6.1			
Error degrees of freedom		116	120	136			
CV (%)		12.3	10.0	7.1			
R^2 (%)		58	72	73			

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

Table 61. Roundup Ready Maturity Group V Late Soybeans Planted April 15, 2003 (Longwood, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
TVX57R301 (E)	Terral	—	—	70.3	09/18	27	1
AGSE-572 (E)	AgSouth	—	—	68.2	09/17	23	1
PGY 5703RR (E)	Progeny	—	—	67.9	09/18	23	1
AG5701	Asgrow	60.8	80.3	67.8	09/13	27	1
MorSoy RT5903 (E)	MorSoy	—	—	66.7	09/19	20	1
38K57	Dyna-Gro	—	—	66.5	09/17	32	1
SX03157 (E)	Dyna-Gro	—	—	66.4	09/14	28	1
Armor AXR 5881 (E)	Armor	—	—	66.3	09/15	23	1
DK XTJ406 (E)	Delta King	—	—	65.7	09/15	27	1
DK5767RR	Delta King	—	—	63.9	09/14	23	1
95B96	Pioneer	75.3	79.2	63.5	09/21	25	1
MorSoy RT5773 (E)	MorSoy	—	—	63.4	09/14	32	1
USG 570nRR	USG	66.7	80.1	63.1	09/22	36	1
AGSE-574 (E)	AgSouth	—	—	62.8	09/17	28	1
AGSE-587 (E)	AgSouth	—	—	62.3	09/19	28	1
DG 5960RR	Delta Grow	—	82.3	61.9	09/17	22	1
HBK R5823	Hornbeck	—	—	61.9	09/20	23	1
DG 3583NRR	Dyna-Gro	—	85.2	61.8	09/23	27	1
TVX59R301 (E)	Terral	—	—	60.0	09/16	22	1
Progeny 5822RR	Progeny	—	79.6	60.0	09/10	26	1
NK S57-P1	NK	—	—	59.9	09/09	20	1
AG5903	Asgrow	—	77.4	59.1	09/12	21	1
DK XTJ457 (E)	Delta King	—	—	59.1	09/17	24	1
Armor AXR 5981 (E)	Armor	—	—	59.1	09/13	23	1
USG 7582nRR	USG	—	77.8	58.5	09/23	26	1
DK XTJ4R58 (E)	Delta King	—	—	58.5	09/18	29	1
DK XTJ407 (E)	Delta King	—	—	58.3	09/22	24	1
DK5967RR	Delta King	—	79.9	57.9	09/22	20	1
TVX57R2M1 (E)	Terral	—	—	57.4	09/21	33	1
FFR 5702RR	FFR	—	—	57.2	09/17	40	1
SS RT 5999N	Southern States	64.7	67.7	57.2	09/21	35	1
SS RT 5702N	Southern States	—	75.3	56.6	09/21	33	1
TVX59R2Q1 (E)	Terral	—	—	55.5	09/18	26	1
HBK R6020	Hornbeck	60.6	71.2	54.8	09/28	33	1
99VPI-120 (E)	Public	—	66.7	53.1	09/12	19	1
5812RR/N	Garst	—	—	52.7	09/22	38	1
DP5915RR	DPL	72.0	78.4	52.5	09/24	25	1
ES XVT46RR (E)	Eagle Seed	—	67.9	52.2	09/24	23	1
XR59N25 (E)	Garst	—	—	51.4	09/17	27	1
ESXVT-34RR (E)	Eagle Seed	—	—	51.4	09/30	29	1
TVX58R2W1 (E)	Terral	—	—	51.2	09/18	33	1
TVX58R1V2 (E)	Terral	—	—	50.4	09/21	26	1
6112RR/N	Garst	—	—	49.3	09/15	24	1
TVX62R001	Terral	—	—	48.4	09/17	32	1
TV59R98	Terral	53.0	63.6	47.2	09/20	34	1
TV58R11	Terral	63.4	76.3	46.5	09/16	21	1
DP5806 RR	DPL	53.2	62.7	46.3	09/12	27	1
ESXVT-41RR (E)	Eagle Seed	—	—	45.7	09/29	27	1
Overall Mean		59.8	71.8	58.3			
LSD (.10)		5.9	6.4	6.5			
Error degrees of freedom		66	62	94			
CV (%)		7.3	6.5	8.3			
R^2 (%)		81	82	75			

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

Location 5. Mississippi State University, Starkville

Location Summary

The plot area was do-alled and soybeans were planted flat. Rainfall soon followed planting, and soybeans emerged to a good stand. Temperatures warmed and rainfall continued to be above average. The combination of excess rainfall and warm temperatures triggered a heavy infestation of Brown Spot disease that adversely affected all plots. Although the soybeans recovered, growth was slowed by very wet conditions, and yields were below average. Harvest was completed under good weather conditions.

Soil type . . . . . **Leeper silty clay**
Soil pH **7.8**
Soil fertility . . . . . **P=H; K=H**
Fertilizer added . . . . . **None**
Herbicide application . . . **Preemergence — Conventional – Scepter @ 2.8 oz/A + Dual Magnum II @ 1.25 pt/A (April 21)**
Postemergence — Conventional – First Rate @ 0.3 oz/A + COC (June 3)
First Rate @ 0.3 oz/A + Select @ 10 oz/A + COC (June 25)
Postemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A (June 3 & June 25)
Planting date . . . . . **Group III & Group IV RR - April 21**
Group IV Conventional & Group V Conventional & RR - April 22
Harvest date . . . . . **Group III - Aug. 19**
Group IV Conventional & Group IV E RR - Sept. 5
Group IV L RR - Sept. 12
Group V E & VL Conventional & Group VE RR - Sept. 29
Group VL RR - Oct. 3

Table 62. Maturity Group IV Soybeans Planted April 22, 2003 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
R98-1817 (E)	Public	—	—	31.8	09/10	18	1
DP4748S	DPL	43.2	52.7	26.9	05/25	22	1
Progeny 4910	Progeny	39.5	50.9	26.2	09/02	26	1
HBK 4992	Hornbeck	—	—	23.0	09/02	29	1
DT98-7278 (E)	Public	—	52.1	21.6	09/08	14	1
DT97-4290 (E)	Public	—	—	21.0	08/25	24	1
DT98-9102 (E)	Public	—	52.3	19.2	09/10	16	1
HBK 4944CX	Hornbeck	—	38.4	18.5	08/27	24	1
DT99-17400 (E)	Public	—	—	8.1	09/10	15	1
Overall Mean		40.2	49.8	21.8			
LSD (.10)		7.1	5.3	8.9			
Error degrees of freedom		22	10	16			
CV (%)		12.5	7.2	28.7			
R^2 (%)		82	79	64			

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

Rainfall Summary

	Inches
April	5.67
May	6.23
June	7.67
July	5.23
August	6.79
Sept	2.50
Total	34.09

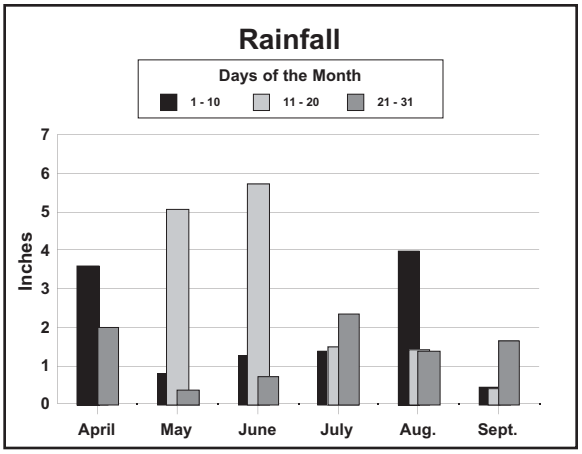

Table 63. Maturity Group V Early Soybeans Planted April 22, 2003 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor 56-C4	Armor	—	—	42.2	09/23	23	1
DPX5520S (E)	DPL	—	—	41.1	09/15	30	1
R97-1634 (E)	Public	—	—	40.1	09/23	21	1
Ozark	Public	—	—	36.0	09/15	17	1
Progeny 5600	Progeny	55.1	56.6	35.3	09/15	21	1
Delsoy 5500	Public	—	—	35.1	09/17	24	1
V96-0340 (E)	Public	—	—	33.8	09/12	18	1
Armor 52-C2	Armor	49.4	55.0	30.8	09/17	24	1
Anand	Public	—	—	30.0	09/17	17	1
USG 5601T	USG	—	—	28.0	09/19	19	1
DP5110S	DPL	46.1	56.7	26.0	09/05	28	1
DT99-17483 (E)	Public	—	—	25.0	09/17	20	1
USG 5002T (E)	USG	—	—	21.1	09/15	16	1
A5427	Asgrow	—	48.9	19.6	09/08	18	1
Overall Mean		49.0	54.0	31.7			
LSD (.10)		4.4	7.0	8.0			
Error degrees of freedom		22	10	26			
CV (%)		6.4	8.7	18.2			
R^2 (%)		88	40	78			

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

Table 64. Maturity Group V Late Soybeans Planted April 22, 2003 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001[2]	2002[2]	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
Desha	Public	—	—	48.2	09/29	27	1
HBK 5991	Hornbeck	—	—	46.5	09/26	23	1
DK 5995	Delta King	—	—	45.5	09/23	24	1
Lonoke	Public	—	—	45.1	09/30	26	1
9594	Pioneer	—	—	44.2	09/23	23	1
Bolivar	Public	—	—	41.0	09/19	22	1
Hutcheson	Public	—	—	40.9	09/17	20	1
Freedom	Public	—	—	38.3	09/23	22	1
HBK 5592	Hornbeck	—	—	38.1	09/26	24	1
95B97	Pioneer	—	—	37.3	09/19	18	1
DT98-11850 (E)	Public	—	—	37.3	09/15	18	1
XR98-209 (E)	Public	—	—	35.2	09/30	22	1
ESX-RB5 (E)	Eagle Seed	—	—	27.6	09/23	14	1
DT99-17574 (E)	Public	—	—	20.7	09/17	21	1
Overall Mean		—	—	39.0			
LSD (.10)		—	—	9.8			
Error degrees of freedom		—	—	26			
CV (%)		—	—	18.1			
R^2 (%)		—	—	65			

[1]Leeper silty clay soil. (E) = Experimental.
[2]No 2- or 3-year averages.

Table 65. Roundup Ready Maturity Group III Soybeans Planted April 21, 2003 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
AG3905	Asgrow	—	—	42.3	08/05	25	1
TVX39R302 (E)	Terral	—	—	40.3	08/18	25	1
TVX40R301 (E)	Terral	—	—	39.3	08/18	21	1
AG3702	Asgrow	56.9	48.2	39.0	08/12	24	1
TVX39R306 (E)	Terral	—	—	34.2	08/18	23	1
TVX39RS301 (E)	Terral	—	—	33.8	08/18	24	1
PGY 3900RR (E)	Progeny	—	—	31.4	08/12	20	1
DK 3961RR	Delta King	46.4	47.4	31.3	08/15	23	1
TVX37R301 (E)	Terral	—	—	31.2	08/12	21	1
DPX3940RR (E)	DPL	—	53.2	29.9	08/15	23	1
93B67	Pioneer	—	—	28.8	08/05	19	1
DP3861RR	DPL	—	47.3	26.8	08/18	24	1
DPX3932RR (E)	DPL	—	—	26.7	08/15	21	1
NK S39-Q4	NK	—	42.7	26.3	08/12	21	1
93M90	Pioneer	—	—	24.4	08/12	20	1
TVX39R307 (E)	Terral	—	—	24.2	08/18	21	1
DK XTJ439 (E)	Delta King	—	—	23.8	08/12	19	1
AG3903	Asgrow	49.5	41.7	22.3	08/12	22	1
DK 3968RR	Delta King	58.3	48.7	19.9	08/18	21	1
Armor 39-E9	Armor	—	49.7	18.0	08/15	21	1
Overall Mean		52.6	45.0	29.7			
LSD (.10)		10.9	8.2	7.1			
Error degrees of freedom		20	40	38			
CV (%)		14.8	13.2	17.4			
R^2 (%)		40.5	62	78			

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

Table 66. Roundup Ready Maturity Group IV Early Soybeans Planted April 21, 2003 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4403	Asgrow	35.1	38.6	36.5	08/27	26	1
DK 4461RR	Delta King	28.7	38.8	33.5	08/27	27	1
DG 3443NRR	Dyna-Gro	33.5	36.8	32.1	08/29	27	1
DP4331RR	DPL	—	41.7	32.0	08/29	25	1
DK XTJ401 (E)	Delta King	—	—	29.5	08/27	24	1
DKB 44-51	DEKALB	—	—	28.3	08/25	26	1
XR46Y02 (E)	Garst	—	—	27.8	08/22	27	1
Genesis C444RR	Genesis	—	40.6	27.7	08/20	24	1
Armor 44-R4	Armor	23.0	32.9	27.2	08/27	22	1
Progeny 4401RR	Progeny	—	39.9	27.1	08/29	25	1
HBK R4623	Hornbeck	—	—	26.1	08/22	27	1
USG 7440nRR	USG	—	34.8	25.6	08/27	24	1
DG 3463NRR	Dyna-Gro	28.6	40.0	25.4	08/22	26	1
SS RT 4502N	Southern States	—	35.2	24.6	08/22	26	1
DPX4446RR (E)	DPL	—	40.2	24.5	08/29	25	1
Genesis D421RR	Genesis	—	—	24.5	08/18	21	1
DP 4690RR	DPL	34.3	40.5	24.2	08/27	25	1
MorSoy RT4480	MorSoy	—	37.4	24.1	08/29	26	1
AG 4502	Asgrow	—	—	24.0	08/18	20	1
Armor 44-R5	Armor	—	43.2	21.9	08/18	20	1
AG4603	Asgrow	—	48.0	20.5	08/15	24	1
NK S43-B1	NK	—	—	20.1	08/18	23	1
AG4201	Asgrow	—	35.1	19.5	08/15	21	1
94B13	Pioneer	—	32.1	18.3	08/12	22	1
TV4589RR	Terral	26.8	38.5	15.3	08/22	20	1
DKB 46-51	DEKALB	—	—	14.9	08/18	20	1
94M41	Pioneer	—	—	14.7	08/14	21	1
Overall Mean		24.8	38.7	24.8			
LSD (.10)		7.1	7.1	8.7			
Error degrees of freedom		60	70	52			
CV (%)		21.0	13.4	25.7			
R^2 (%)		72	61	53			

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

Table 67. Roundup Ready Maturity Group IV Late Soybeans Planted April 21, 2003 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
SS-RT 5001N	Southern States	51.6	56.7	39.5	09/15	27	1
SS RT517N	Southern States	47.6	58.1	37.9	09/10	16	1
DK XTJ450 (E)	Delta King	—	—	37.8	09/10	18	1
DP4933RR	DPL	—	51.3	36.1	09/10	32	2
ESXVT-17RR (E)	Eagle Seed	—	—	34.8	09/15	32	1
PGY 4860RR (E)	Progeny	—	—	34.6	09/10	16	1
HBK R4922	Hornbeck	—	—	32.7	09/10	26	1
TVX49R2Z1 (E)	Terral	—	—	32.5	09/08	31	1
HBK R4920	Hornbeck	51.6	48.5	31.4	09/05	25	1
SS RT 4902	Southern States	—	53.7	30.7	09/10	32	1
Delta Grow 4960RR	Delta Grow	—	—	30.6	09/10	21	1
3481NRR	Dyna-Gro	—	—	30.4	08/25	25	1
FFR 4922RR	FFR	—	51.2	29.7	09/10	31	1
Progeny 4932RR	Progeny	—	—	29.7	09/10	31	1
PGY 4703RR (E)	Progeny	—	—	29.5	09/08	25	1
TVX47R1K2 (E)	Terral	—	—	29.2	08/29	19	1
SS RT 4930	Southern States	—	—	29.1	09/10	20	1
DG 4950RR	Delta Grow	50.2	54.7	29.0	09/02	26	1
DK4967RR	Delta King	—	—	28.4	08/25	22	1
TVX48R1U1 (E)	Terral	—	—	28.2	08/27	26	1
4888RR	Agripro	27.9	44.4	27.9	09/02	24	1
TVX49R2Y4 (E)	Terral	—	—	27.6	09/08	30	1
TVX49R1L2 (E)	Terral	—	—	27.5	09/05	24	1
SG498RR	DPL	47.2	51.2	27.4	09/10	22	1
MorSoy RT4802	MorSoy	—	—	27.1	08/25	23	1
DP4724RR	DPL	—	—	26.9	08/25	18	1
SS RT4980	Southern States	50.8	52.8	26.9	09/08	21	1
DG 4860RR	Delta Grow	—	48.9	26.8	08/25	23	1
TVX47R2P1 (E)	Terral	—	—	26.7	08/27	25	1
MorSoy RT4809	MorSoy	42.3	53.7	26.2	08/29	21	1
TV4886RR	Terral	40.9	48.2	25.6	09/02	26	1
MorSoy RT4993 (E)	MorSoy	—	—	25.6	08/25	21	1
Armor 49-P9	Armor	—	—	25.6	08/25	23	1
PGY 4949RR (E)	Progeny	—	—	24.1	09/05	20	1
DK XTJ403 (E)	Delta King	—	—	24.0	08/25	18	1
NK S50-N3	NK	—	—	23.3	09/10	24	1
V49N3RR	Vigoro	—	—	22.6	08/25	24	1
DK XTJ447 (E)	Delta King	—	—	22.6	08/25	22	1
AG4902	Asgrow	45.5	54.7	22.5	08/25	21	1
SX03149 (E)	Dyna-Gro	—	—	22.4	08/25	18	1
Genesis D491RR	Genesis	—	—	21.7	08/25	16	1
NK S49-Q9	NK	—	55.0	21.2	09/02	23	1
DK4868RR	Delta King	50.9	50.3	20.9	08/27	18	1
HBK R4820	Hornbeck	28.4	54.3	20.9	08/27	18	1
Genesis D484RR	Genesis	—	—	20.4	09/25	17	1
94B73	Pioneer	24.6	56.3	19.4	08/25	22	1
Progeny 4884RR	Progeny	—	—	18.6	08/25	16	1
XR48Y11 (E)	Garst	—	—	18.3	08/29	24	1
DK XTJ402 (E)	Delta King	—	—	16.4	08/21	22	1
94M70	Pioneer	—	—	15.8	08/18	15	1
Armor 47-G7	Armor	22.8	51.8	15.8	08/20	19	1
DK 4763RR	Delta King	38.6	49.9	14.6	08/25	19	1
TV4890RR	Terral	38.9	48.4	13.7	08/20	18	1
Overall Mean		44.4	50.7	26.2			
LSD (.10)		6.3	6.1	6.8			
Error degrees of freedom		74	92	104			
CV (%)		10.4	8.8	19.2			
R^2 (%)		72	56	70			

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

Table 68. Roundup Ready Maturity Group V Early Soybeans Planted April 22, 2003 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001[2]	2002[2]	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
NK S56-D7	NK	—	—	53.5	09/29	27	1
TVX56R3K1 (E)	Terral	—	—	52.0	09/23	23	1
AGSE-531 (E)	AgSouth	—	—	51.0	09/23	26	1
MorSoy RT5620	MorSoy	—	—	50.9	09/29	25	1
DK 5668RR	Delta King	—	—	50.2	09/23	20	1
Progeny 5660RR	Progeny	—	—	50.1	09/29	22	1
MorSoy RT5553 (E)	MorSoy	—	—	49.0	09/19	30	1
TV56R11	Terral	—	—	48.1	09/29	23	1
USG 7524nRR (E)	USG	—	—	47.9	09/15	38	1
ESXVT-18RR (E)	Eagle Seed	—	—	47.2	09/29	25	1
DG 3562NRR	Dyna-Gro	—	—	46.8	09/23	25	1
ESXVT-19RR (E)	Eagle Seed	—	—	46.7	09/29	22	1
DG 3535NRR	Dyna-Gro	—	—	45.8	09/26	24	1
V562NRR	Vigoro	—	—	45.8	09/25	22	1
DP5644 RR	DPL	—	—	45.3	09/25	26	1
DP5414RR	DPL	—	—	45.1	09/19	25	1
DK 5366RR	Delta King	—	—	44.8	09/26	28	1
DK XTJ404 (E)	Delta King	—	—	44.6	09/29	21	1
TVX56R1B2 (E)	Terral	—	—	44.5	09/23	28	1
DG 5630RR	Delta Grow	—	—	44.4	09/25	24	1
S99-2447-02RR (E)	Public	—	—	43.9	09/23	22	1
PGY 5503RR (E)	Progeny	—	—	43.3	09/23	21	1
33B52	Dyna-Gro	—	—	43.3	09/15	23	1
SS RT 5302N	Southern States	—	—	43.2	09/25	26	1
5212RR/N	Garst	—	—	43.1	09/25	25	1
DP5634RR	DPL	—	—	42.9	09/23	25	1
DK XTJ452 (E)	Delta King	—	—	42.8	09/15	21	1
HBK R5620	Hornbeck	—	—	42.6	09/26	21	1
XR57N20 (E)	Garst	—	—	42.2	09/26	22	1
FFR 5225RR	FFR	—	—	41.6	09/25	24	1
99VPI-67 (E)	Public	—	—	41.6	09/19	21	1
CavinessRR (E)	Public	—	—	41.0	09/23	23	1
SS RT557N	Southern States	—	—	40.9	09/23	20	1
AG 5605	Asgrow	—	—	40.6	09/23	21	1
USG 7553nRR (E)	USG	—	—	40.6	09/19	19	1
HBK R5422	Hornbeck	—	—	40.3	09/25	25	1
HBK R5123	Hornbeck	—	—	40.2	09/17	30	1
Delta Grow 5650RR	Delta Grow	—	—	39.9	09/29	24	1
Armor AXR 5313 (E)	Armor	—	—	39.8	09/15	20	1
Armor 56-J6	Armor	—	—	39.7	09/25	21	1
95B42	Pioneer	—	—	39.6	09/19	25	1
DKB 53-51	DEKALB	—	—	38.9	09/15	21	1
USG 7547RR	USG	—	—	38.5	09/19	15	1
AG5501	Asgrow	—	—	38.5	09/19	21	1
Delta Grow 5260RR	Delta Grow	—	—	38.5	09/15	24	1
Progeny 5250RR	Progeny	—	—	38.4	09/17	21	1
Delta Grow 5460RR	Delta Grow	—	—	38.3	09/23	20	1
DK 5661RR	Delta King	—	—	38.2	09/29	23	1
NK S52-U3	NK	—	—	37.9	09/23	16	1
USG 7562nRR	USG	—	—	37.5	09/26	25	1
95B43	Pioneer	—	—	37.4	09/15	22	1
USG 7563nRR (E)	USG	—	—	36.9	09/23	23	1
Genesis D524RR	Genesis	—	—	36.4	09/15	19	1
USG 540nRR	USG	—	—	34.2	09/23	21	1
SX03152 (E)	Dyna-Gro	—	—	33.5	09/23	23	1
DK 5465RR	Delta King	—	—	33.2	09/23	20	1
FFR 5542RR	FFR	—	—	33.1	09/23	18	1
AG5301	Asgrow	—	—	33.0	09/17	21	1
SS RT 5602	Southern States	—	—	32.4	09/23	15	1
Armor 53-K3	Armor	—	—	31.7	09/19	19	1
Progeny 5415RR	Progeny	—	—	31.3	09/23	22	1
MorSoy RT5252	MorSoy	—	—	31.3	09/15	15	1
Md92-5769RR (E)	Public	—	—	31.0	09/12	16	1
TV54R11	Terral	—	—	29.3	09/23	21	1
DK5561RR	Delta King	—	—	28.1	09/12	27	1
TV52R42	Terral	—	—	27.6	09/12	23	1
TV52R301 (E)	Terral	—	—	22.9	09/12	15	1
DK XTJ405 (E)	Delta King	—	—	22.5	09/12	23	1
DKB 51-51	DEKALB	—	—	18.5	09/02	25	1
Overall Mean		—	—	39.9			
LSD (.10)		—	—	7.4			
Error degrees of freedom		—	—	136			
CV (%)		—	—	13.7			
R^2 (%)		—	—	74			

[1]Leeper silty clay soil. (E) = Experimental.
[2]No 2- or 3-year averages.

Table 69. Roundup Ready Maturity Group V Late Soybeans Planted April 22, 2003 (Mississippi State University, Starkville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001[2]	2002[2]	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
TVX57R2M1 (E)	Terral	—	—	53.3	09/26	34	1
ESXVT-34RR (E)	Eagle Seed	—	—	51.2	10/03	30	1
DK XTJ4R58 (E)	Delta King	—	—	50.0	10/01	23	1
AG5701	Asgrow	—	—	49.8	09/30	15	1
99VPI-120 (E)	Public	—	—	48.6	09/23	21	1
Armor AXR 5881 (E)	Armor	—	—	48.5	09/30	21	1
6112RR/N	Garst	—	—	48.0	10/01	25	1
AGSE-587 (E)	AgSouth	—	—	47.9	09/30	25	1
TVX62R001	Terral	—	—	47.1	10/01	26	1
AG5903	Asgrow	—	—	46.9	09/30	25	1
DP5806 RR	DPL	—	—	46.8	09/30	24	1
SS RT 5702N	Southern States	—	—	46.6	09/26	24	1
HBK R5823	Hornbeck	—	—	46.1	09/26	21	1
DP5915RR	DPL	—	—	45.9	10/01	23	1
USG 570nRR	USG	—	—	45.4	09/30	23	1
Progeny 5822RR	Progeny	—	—	45.1	09/30	25	1
ESXVT-41RR (E)	Eagle Seed	—	—	44.4	10/03	35	1
SS RT 5999N	Southern States	—	—	44.3	10/01	27	1
AGSE-574 (E)	AgSouth	—	—	44.2	09/26	24	1
HBK R6020	Hornbeck	—	—	43.9	09/30	27	1
95B96	Pioneer	—	—	43.4	09/23	21	1
DK XTJ457 (E)	Delta King	—	—	43.2	09/25	24	1
AGSE-572	AgSouth	—	—	43.2	09/23	23	1
ES XVT46RR (E)	Eagle Seed	—	—	43.1	10/01	20	1
FFR 5702RR	FFR	—	—	42.4	09/26	22	1
DG 5960RR	Delta Grow	—	—	42.2	09/26	20	1
TVX59R301 (E)	Terral	—	—	42.0	09/26	22	1
MorSoy RT5903 (E)	MorSoy	—	—	41.9	09/23	21	1
SX03157 (E)	Dyna-Gro	—	—	41.1	09/19	16	1
Armor AXR 5981 (E)	Armor	—	—	40.9	09/30	21	1
TV58R11	Terral	—	—	40.7	09/30	24	1
DK XTJ407 (E)	Delta King	—	—	40.7	09/26	24	1
38K57	Dyna-Gro	—	—	40.5	09/26	19	1
NK S57-P1	NK	—	—	40.0	09/19	15	1
TVX58R2W1 (E)	Terral	—	—	40.0	09/30	27	1
DK5767RR	Delta King	—	—	39.9	09/30	20	1
TVX58R1V2 (E)	Terral	—	—	39.9	09/30	26	1
TVX59R2Q1 (E)	Terral	—	—	39.9	09/30	25	1
XR59N25 (E)	Garst	—	—	39.3	09/26	20	1
USG 7582nRR	USG	—	—	39.3	09/30	19	1
PGY 5703RR (E)	Progeny	—	—	38.7	09/30	26	1
MorSoy RT5773 (E)	MorSoy	—	—	38.0	09/30	24	1
DK5967RR	Delta King	—	—	37.9	09/23	22	1
TV59R98	Terral	—	—	37.9	10/01	25	1
DG 3583NRR	Dyna-Gro	—	—	37.4	09/26	24	1
5812RR/N	Garst	—	—	37.1	09/23	20	1
DK XTJ406 (E)	Delta King	—	—	34.8	09/19	25	1
TVX57R301 (E)	Terral	—	—	33.5	09/26	18	1
Overall Mean		—	—	43.0			
LSD (.10)		—	—	5.4			
Error degrees of freedom		—	—	94			
CV (%)		—	—	9.2			
R^2 (%)		—	—	65			

[1]Leeper silty clay soil. (E) = Experimental.
[2]No 2- or 3-year averages.

Location 6. Ballground Plantation, Warren County

Location Summary

As was typical of this area of the state, the soybean variety trial had an excellent growing season. Soil preparation consisted of disking and do-alling following the application of potash. Planting conditions were good. Throughout the growing season, there was virtually no effect from drought or extreme temperatures. Insect pressure was moderate, with one application of insecticide needed to treat stinkbugs and foliar-feeding worms. Disease notes were taken for Sudden Death Syndrome in the later-maturing tests. There was only slight weathering damage of some varieties in Maturity Group V.

Soil type . . . . . Loring silt loam
Soil pH 5.0
Soil fertility . . . . . P=H; K=H
Fertilizer added . . . . . None
Herbicide application . . . . Preemergence — Conventional – Scepter @ 2.8 oz/A + Dual Magnum II @ 1.25 pt/A (April 17)
Postemergence — Conventional – Select @ 10 oz/A + COC (May 13)
First Rate @ 0.3 oz/A + Select @ 10 oz/A + COC (June 3)
Postemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A (May 13 & June 3)
Insecticide application . . . Mustang Max @ 3 oz/A - July 12
Planting date . . . . . April 17
Harvest date . . . . . Group IV Early RR - Aug. 21
Group IV Conventional & IV Late RR - Sept. 15
Group V - Oct. 16

Table 70. Maturity Group IV Early Soybeans Planted April 17, 2003 (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001[2]	2002[2]	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
R98-1817 (E)	Public	—	—	68.9	09/05	24	1
DT98-9102 (E)	Public	—	—	67.3	09/06	28	1
Progeny 4910	Progeny	—	—	65.2	08/30	37	3
DT98-7278 (E)	Public	—	—	61.5	09/03	22	1
HBK 4992	Hornbeck	—	—	61.1	08/30	45	3
DT97-4290 (E)	Public	—	—	58.0	08/26	43	3
HBK 4944CX	Hornbeck	—	—	51.7	08/26	44	4
DT99-17400 (E)	Public	—	—	43.5	09/06	27	1
DP4748S	DPL	—	—	41.7	08/20	38	3
Overall Mean		—	—	57.6			
LSD (.10)		—	—	10.0			
Error degrees of freedom		—	—	16			
CV (%)		—	—	12.2			
R^2 (%)		—	—	75			

[1]Loring silt loam soil. (E) = Experimental.
[2]No 2- or 3-year averages.

Rainfall Summary

	Inches
April	10.00
May	8.70
June	3.90
July	4.10
August	1.80
September	2.50
October	1.50
Total	32.50

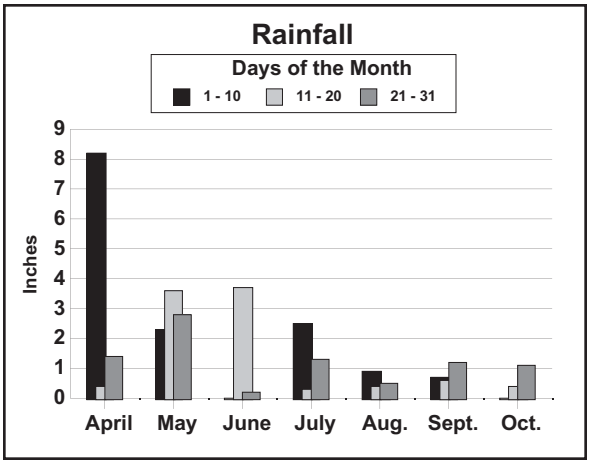

Table 71. Maturity Group V Early Soybeans Planted April 17, 2003 (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
Ozark	Public	—	—	79.7	09/13	26	1
V96-0340 (E)	Public	—	—	75.7	09/09	29	1
R97-1634 (E)	Public	—	—	73.4	09/27	31	1
Progeny 5600	Progeny	56.3	13.9	73.3	09/18	31	1
USG 5601T	USG	—	—	72.1	09/20	32	1
Armor 56-C4	Armor	—	—	72.0	10/01	32	1
Delsoy 5500	Public	—	—	71.2	09/17	30	1
DT99-17483 (E)	Public	—	—	66.9	09/12	24	1
DPX5520S (E)	DPL	—	—	65.6	09/18	40	2
USG 5002T (E)	USG	—	—	65.0	09/22	20	1
A5427	Asgrow	—	17.3	63.3	09/30	26	1
DP5110S	DPL	57.6	17.8	59.5	08/26	35	3
Anand	Public	—	—	58.6	10/01	27	1
Armor 52-C2	Armor	53.6	12.0	58.2	09/23	27	2
Overall Mean		53.1	15.1	68.2			
LSD (.10)		9.0	3.9	8.5			
Error degrees of freedom		22	10	26			
CV (%)		12.1	17.6	9.0			
R^2 (%)		76	81	64			

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

Table 72. Maturity Group V Late Soybeans Planted April 17, 2003 (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
9594	Pioneer	64.6	20.8	78.9	09/19	30	4
Hutcheson	Public	56.2	13.8	68.0	09/06	27	1
HBK 5991	Hornbeck	58.1	11.3	65.7	09/20	26	1
Bolivar	Public	48.6	16.7	64.1	09/16	35	2
95B97	Pioneer	59.1	18.3	64.1	09/27	30	1
Lonoke	Public	—	—	63.6	09/19	26	2
DT98-11850 (E)	Public	—	—	63.5	09/17	28	2
Freedom	Public	41.9	21.5	62.3	09/16	31	2
HBK 5592	Hornbeck	—	—	61.7	10/01	31	2
DK 5995	Delta King	59.7	14.2	59.0	09/23	30	1
Desha	Public	—	—	54.6	09/30	37	3
ESX-RB5 (E)	Eagle Seed	—	—	54.0	09/13	25	1
XR98-209 (E)	Public	—	—	52.2	10/03	31	2
DT99-17574 (E)	Public	—	—	51.2	09/09	27	1
Overall Mean		55.8	16.8	61.6			
LSD (.10)		11.1	5.4	10.7			
Error degrees of freedom		30	18	26			
CV (%)		14.3	22.6	12.4			
R^2 (%)		45	77	63			

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

Table 73. Roundup Ready Maturity Group IV Early Soybeans Planted April 17, 2003 (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001[2]	2002[2]	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
Genesis C444RR	Genesis	—	—	55.8	08/20	32	1
HBK R4623	Hornbeck	—	—	55.8	8815	32	2
DK 4461RR	Delta King	—	—	55.5	08/17	30	1
DK XTJ401 (E)	Delta King	—	—	54.8	08/17	35	1
USG 7440nRR	USG	—	—	53.7	08/17	28	1
DKB 46-51	DEKALB	—	—	53.0	08/19	30	1
DG 3443NRR	Dyna-Gro	—	—	52.9	08/15	30	1
Progeny 4401RR	Progeny	—	—	51.9	08/17	32	1
DG 3463NRR	Dyna-Gro	—	—	50.7	08/17	39	2
AG4603	Asgrow	—	—	49.9	08/19	23	1
DP 4690RR	DPL	—	—	49.4	08/19	30	1
SS RT 4502N	Southern States	—	—	49.3	08/15	34	1
DPX4446RR (E)	DPL	—	—	48.8	08/19	28	1
MorSoy RT4480	MorSoy	—	—	48.4	08/15	30	1
AG 4502	Asgrow	—	—	47.6	08/15	29	1
Armor 44-R4	Armor	—	—	47.6	08/17	28	1
Armor 44-R5	Armor	—	—	45.8	08/20	27	1
AG4403	Asgrow	—	—	44.8	08/15	32	1
DP4331RR	DPL	—	—	44.1	08/18	31	1
DKB 44-51	DEKALB	—	—	43.8	08/15	27	1
XR46Y02 (E)	Garst	—	—	43.5	08/20	37	2
94M41	Pioneer	—	—	39.2	08/12	34	1
TV4589RR	Terral	—	—	37.5	08/17	26	1
Genesis D421RR	Genesis	—	—	36.5	08/16	25	1
NK S43-B1	NK	—	—	35.7	08/15	30	1
AG4201	Asgrow	—	—	34.9	08/13	26	1
94B13	Pioneer	—	—	33.6	08/15	28	1
Overall Mean		—	—	46.8			
LSD (.10)		—	—	9.1			
Error degrees of freedom		—	—	52			
CV (%)		—	—	14.2			
R^2 (%)		—	—	63			

[1]Loring silt loam soil. (E) = Experimental.
[2]No 2- or 3-year averages.

Table 74. Roundup Ready Maturity Group IV Late Soybeans Planted April 17, 2003 (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001[2]	2002[2]	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
PGY 4703RR (E)	Progeny	—	—	71.6	09/11	32	2
Delta Grow 4960RR	Delta Grow	—	—	69.1	08/15	20	1
ESXVT-17RR (E)	Eagle Seed	—	—	68.9	08/19	48	3
SS RT 4930	Southern States	—	—	67.5	08/21	25	1
PGY 4860RR (E)	Progeny	—	—	66.8	08/19	25	1
DK XTJ450 (E)	Delta King	—	—	65.8	08/19	27	1
NK S49-Q9	NK	—	—	63.0	08/26	28	1
HBK R4920	Hornbeck	—	—	62.4	08/31	30	1
SS-RT 5001N	Southern States	—	—	61.6	08/21	28	1
SX03149 (E)	Dyna-Gro	—	—	59.6	08/29	31	3
SS RT517N	Southern States	—	—	59.4	09/15	22	1
Progeny 4932RR	Progeny	—	—	59.4	08/29	40	1
4888RR	Agripro	—	—	56.7	08/16	34	2
NK S50-N3	NK	—	—	56.6	09/15	37	2
Armor 49-P9	Armor	—	—	56.6	08/17	35	3
FFR 4922RR	FFR	—	—	56.6	09/14	39	1
PGY 4949RR (E)	Progeny	—	—	55.9	09/06	34	2
TVX49R1L2 (E)	Terral	—	—	55.4	09/15	40	1
DG 4950RR	Delta Grow	—	—	54.7	08/19	35	2
SG498RR	DPL	—	—	54.6	08/19	28	1
TVX49R2Y4 (E)	Terral	—	—	54.1	09/09	36	1
TVX49R2Z1 (E)	Terral	—	—	54.0	08/18	37	1
SS RT 4902	Southern States	—	—	53.3	08/22	43	2
MorSoy RT4993 (E)	MorSoy	—	—	52.3	09/14	30	3
TVX48R1U1 (E)	Terral	—	—	51.9	08/19	36	1
XR48Y11 (E)	Garst	—	—	51.0	08/23	37	2
HBK R4922	Hornbeck	—	—	50.5	08/22	38	2
DK XTJ447 (E)	Delta King	—	—	49.9	08/16	27	1
DK XTJ403 (E)	Delta King	—	—	48.7	09/06	23	1
DP4933RR	DPL	—	—	48.4	08/17	42	2
DK4967RR	Delta King	—	—	47.9	08/31	27	1
DK 4763RR	Delta King	—	—	46.8	08/16	31	1
DK4868RR	Delta King	—	—	46.6	08/17	29	2
3481NRR	Dyna-Gro	—	—	46.2	08/22	29	2
DK XTJ402 (E)	Delta King	—	—	45.7	09/02	26	1
Progeny 4884RR	Progeny	—	—	44.4	08/12	30	1
MorSoy RT4802	MorSoy	—	—	44.3	08/20	29	1
TV4886RR	Terral	—	—	43.8	08/30	36	1
MorSoy RT4809	MorSoy	—	—	43.7	09/08	30	1
TVX47R2P1 (E)	Terral	—	—	43.1	09/06	34	4
SS RT4980	Southern States	—	—	43.1	08/22	34	1
DG 4860RR	Delta Grow	—	—	42.6	08/18	30	1
HBK R4820	Hornbeck	—	—	42.3	08/14	29	1
Genesis D491RR	Genesis	—	—	42.3	08/30	31	3
TVX47R1K2 (E)	Terral	—	—	41.9	09/08	32	1
AG4902	Asgrow	—	—	39.4	08/29	26	1
Armor 47-G7	Armor	—	—	39.0	08/26	22	1
V49N3RR	Vigoro	—	—	37.1	08/20	24	1
DP4724RR	DPL	—	—	36.9	08/31	28	1
Genesis D484RR	Genesis	—	—	36.5	08/16	28	1
TV4890RR	Terral	—	—	36.3	08/26	31	1
94B73	Pioneer	—	—	35.6	08/26	30	1
94M70	Pioneer	—	—	31.7	08/26	25	1
Overall Mean		—	—	50.8			
LSD (.10)		—	—	7.1			
Error degrees of freedom		—	—	104			
CV (%)		—	—	10.4			
R^2 (%)		—	—	84			

[1]Loring silt loam soil. (E) = Experimental.
[2]No 2- or 3-year averages.

Table 75. Roundup Ready Maturity Group V Early Soybeans Planted April 17, 2003 (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ404 (E)	Delta King	—	—	66.5	09/30	24	1
Delta Grow 5260RR	Delta Grow	—	—	66.1	09/14	20	1
TVX56R3K1 (E)	Terral	—	—	65.2	09/16	26	1
Delta Grow 5460RR	Delta Grow	—	—	64.1	09/15	23	1
NK S56-D7	NK	—	23.7	63.9	09/22	25	1
AGSE-531 (E)	AgSouth	—	—	63.7	09/14	26	1
NK S52-U3	NK	—	20.6	63.4	09/16	20	1
DK XTJ452 (E)	Delta King	—	—	61.9	09/10	28	1
Armor AXR 5313 (E)	Armor	—	—	61.6	09/06	23	1
S99-2447-02RR (E)	Public	—	—	61.5	09/22	19	1
MorSoy RT5553 (E)	MorSoy	—	—	61.2	09/15	24	1
DKB 53-51	DEKALB	—	—	61.1	09/15	21	1
USG 7562nRR	USG	—	—	60.6	10/01	23	1
95B42	Pioneer	—	20.5	60.0	09/23	26	1
TV56R11	Terral	53.3	21.3	60.0	10/13	25	1
DP5634RR	DPL	—	17.3	59.9	09/16	25	1
Delta Grow 5650RR	Delta Grow	—	—	59.8	09/29	25	1
DG 3535NRR	Dyna-Gro	55.7	16.3	59.3	09/30	22	1
SS RT557N	Southern States	49.3	21.1	58.7	09/13	22	1
ESXVT-18RR (E)	Eagle Seed	—	—	58.6	09/22	24	1
DK 5661RR	Delta King	62.1	22.1	58.5	09/29	25	1
Genesis D524RR	Genesis	—	—	58.3	09/22	19	1
95B43	Pioneer	—	17.3	58.3	09/14	26	1
Progeny 5660RR	Progeny	54.8	19.9	58.2	10/01	23	1
DG 5630RR	Delta Grow	61.2	18.7	57.9	09/26	22	1
MorSoy RT5620	MorSoy	—	17.6	57.8	09/27	21	1
V562NRR	Vigoro	—	—	57.2	09/30	22	1
DP5644 RR	DPL	69.8	22.5	57.1	09/25	28	1
XR57N20 (E)	Garst	—	—	57.1	09/28	24	1
PGY 5503RR (E)	Progeny	—	—	56.8	09/17	24	1
HBK R5422	Hornbeck	—	16.2	56.5	09/16	29	1
TV52R301 (E)	Terral	—	—	56.2	09/15	15	1
33B52	Dyna-Gro	—	—	56.2	09/06	22	1
USG 7563nRR (E)	USG	—	—	56.1	09/30	25	1
USG 7547RR	USG	53.5	19.2	56.1	09/16	19	1
AG 5605	Asgrow	—	—	56.0	09/22	23	1
MorSoy RT5252	MorSoy	—	21.0	55.9	09/22	17	1
USG 7553nRR (E)	USG	—	—	55.8	09/13	23	1
HBK R5620	Hornbeck	52.9	20.1	55.8	09/30	28	1
DP5414RR	DPL	52.0	31.6	55.8	09/18	26	1
FFR 5225RR	FFR	—	—	55.7	09/17	25	1
Armor 53-K3	Armor	59.8	17.9	55.3	09/20	21	1
DK 5668RR	Delta King	55.0	20.7	55.0	09/30	24	1
Progeny 5250RR	Progeny	—	16.8	54.6	09/23	22	1
Armor 56-J6	Armor	—	23.0	54.5	09/29	23	1
TVX56R1B2 (E)	Terral	—	—	54.5	09/17	23	1
DG 3562NRR	Dyna-Gro	47.5	20.5	53.9	09/30	20	1
DK 5366RR	Delta King	56.4	24.0	53.9	09/27	22	1
SX03152 (E)	Dyna-Gro	—	—	53.4	09/28	19	1
99VPI-67 (E)	Public	—	—	53.3	08/23	20	1
5212RR/N	Garst	—	—	52.0	09/23	25	1
ESXVT-19RR (E)	Eagle Seed	—	—	51.2	09/27	24	1
USG 540nRR	USG	59.5	20.2	50.5	10/01	20	1
SS RT 5302N	Southern States	—	23.1	49.0	09/17	24	1
TV54R11	Terral	59.0	204	47.7	09/30	18	1
AG5301	Asgrow	—	12.1	47.1	09/21	25	1
Md92-5769RR (E)	Public	—	—	46.9	09/17	16	1
DK5561RR	Delta King	—	12.8	46.9	09/14	18	1
TV52R42	Terral	52.4	14.2	46.0	09/21	20	1
FFR 5542RR	FFR	—	—	46.0	09/22	20	1
SS RT 5602	Southern States	—	—	45.9	09/22	18	1
CavinessRR (E)	Public	—	—	45.4	09/22	24	1
AG5501	Asgrow	66.1	24.2	45.4	10/01	21	1
Progeny 5415RR	Progeny	59.4	21.0	44.9	09/22	18	1
DK XTJ405 (E)	Delta King	—	—	43.2	09/12	20	1
DK 5465RR	Delta King	64.7	21.4	42.3	10/01	20	1
HBK R5123	Hornbeck	—	—	39.4	09/18	36	1
DKB 51-51	DEKALB	—	—	31.5	09/06	26	1
USG 7524nRR (E)	USG	—	—	25.1	09/03	43	1
Overall Mean		55.1	18.5	54.6			
LSD (.10)		8.4	7.0	6.7			
Error degrees of freedom		116	120	136			
CV (%)		11.2	28.1	9.1			
R^2 (%)		68	56	84			

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

Table 76. Roundup Ready Maturity Group V Late Soybeans Planted April 17, 2003 (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2001	2002	2003			
		bu/A	*bu/A*	*bu/A*		*in*	
AGSE-572 (E)	AgSouth	—	—	66.1	09/17	22	1
AG5903	Asgrow	—	24.0	62.2	09/25	21	1
USG 570nRR	USG	49.6	2003	60.5	09/30	26	1
TVX62R001 (E)	Terral	—	—	60.2	09/22	25	1
SX03157	Dyna-Gro	—	—	60.1	09/20	23	1
NK S57-P1	NK	—	—	59.7	09/14	20	1
MorSoy RT5773 (E)	MorSoy	—	—	59.7	09/27	25	1
HBK R5823	Hornbeck	—	—	59.4	09/22	27	1
DK XTJ406 (E)	Delta King	—	—	59.3	09/23	23	1
TVX57R2M1 (E)	Terral	—	—	59.1	09/17	26	1
6112RR/N	Garst	—	—	58.7	09/25	24	1
DK5767RR	Delta King	—	—	58.1	09/18	24	1
AG5701	Asgrow	57.1	22.2	57.3	09/30	21	1
Progeny 5822RR	Progeny	—	23.4	57.1	10/01	23	1
TV58R11	Terral	45.8	29.2	57.1	09/29	20	1
AGSE-574 (E)	AgSouth	—	—	57.1	09/22	22	1
38K57	Dyna-Gro	—	—	56.7	09/27	26	1
XR59N25 (E)	Garst	—	—	55.3	10/13	16	1
DK XTJ457 (E)	Delta King	—	—	54.9	09/27	26	1
SS RT 5999N	Southern States	52.8	19.9	53.5	09/28	35	1
Armor AXR 5981 (E)	Armor	—	—	53.4	09/30	22	1
DP5915RR	DPL	55.3	23.6	53.1	10/03	20	1
DG 3583NRR	Dyna-Gro	—	27.6	52.9	10/13	18	1
USG 7582nRR	USG	—	29.8	52.8	09/28	27	1
TVX57R301 (E)	Terral	—	—	52.6	09/30	24	1
DK5967RR	Delta King	—	28.9	52.5	10/01	31	1
DP5806 RR	DPL	52.3	24.9	52.5	10/01	31	1
Armor AXR 5881 (E)	Armor	—	—	52.3	09/16	26	1
TV59R98	Terral	48.7	21.3	52.2	09/23	31	1
DG 5960RR	Delta Grow	—	26.6	52.0	10/05	25	1
95B96	Pioneer	51.6	25.1	52.0	10/01	26	1
TVX58R1V2 (E)	Terral	—	—	51.8	09/26	28	1
DK XTJ4R58 (E)	Delta King	—	—	51.7	09/22	29	1
TVX59R301 (E)	Terral	—	—	51.7	10/13	21	1
DK XTJ407 (E)	Delta King	—	—	51.7	10/05	20	1
5812RR/N	Garst	—	—	51.6	09/23	36	1
AGSE-587 (E)	AgSouth	—	—	51.5	09/22	28	1
TVX59R2Q1 (E)	Terral	—	—	49.8	09/27	25	1
ES XVT46RR (E)	Eagle Seed	—	27.5	49.6	10/01	24	1
MorSoy RT5903 (E)	MorSoy	—	—	49.1	10/04	24	1
PGY 5703RR (E)	Progeny	—	—	48.7	09/29	23	1
FFR 5702RR	FFR	—	—	45.5	09/22	23	1
99VPI-120 (E)	Public	—	20.8	45.3	09/13	24	1
SS RT 5702N	Southern States	—	17.5	45.3	09/29	33	1
ESXVT-41RR (E)	Eagle Seed	—	—	43.9	10/10	31	1
TVX58R2W1 (E)	Terral	—	—	39.3	10/05	27	1
ESXVT-34RR (E)	Eagle Seed	—	—	36.6	10/10	36	1
HBK R6020	Hornbeck	45.0	19.2	35.6	10/16	31	1
Overall Mean		49.5	22.1	53.1			
LSD (.10)		11.1	6.9	8.0			
Error degrees of freedom		66	62	94			
CV (%)		16.5	22.9	11.1			
R^2 (%)		51	55	74			

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

Plant Characteristics

Table 77. 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	tan	black	2800	I	4.7	35.3	21.2
HBK 4944CX	Hornbeck	white	gray	brown	black	2700	I	4.8	34.4	21.6
HBK 4992	Hornbeck	p/w	tawny	tan	black	2800	I	4.9	35.2	21.0
Progeny 4910	Progeny	white	lt. tawny	tan	black	2600	I	4.9	35.0	20.8
DT97-4290 (E)	Public	purple	tawny	tan	black	2500	I	4.8	35.3	20.5
DT98-9102 (E)	Public	white	gray	tan	buff	2400	I	4.8	34.9	20.9
DT98-7278 (E)	Public	white	tawny	tan	brown	2600	I	4.7	35.7	20.5
DT99-17400 (E)	Public	purple	tawny	tan	—	2900	I	4.8	35.1	20.8
R98-1817 (E)	Public	purple	gray	—	buff	3500	D	4.8	35.6	19.7

[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 and V. 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 78. 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	2800	5.2	35.0	20.1
Armor 56-C4	Armor	white	gray	tan	imp black	3200	5.6	35.0	19.8
A5427	Asgrow	white	gray	tan	buff	2600	5.4	35.1	20.2
DP5110S	DPL	white	tawny	tan	brown	3000	5.1	35.1	20.2
DPX 5520S (E)	DPL	white	tawny	tan	black	2400	5.5	35.1	20.1
Progeny 5600	Progeny	purple	tawny	tan	brown	2900	5.6	34.6	20.2
USG 5002T (E)	USG	white	tawny	tan	black	2700	5.0	35.1	20.8
USG 5601T	USG	white	gray	tan	buff	3100	5.6	35.8	19.7
ANAND	Public	purple	tawny	tan	black	3200	5.5	35.2	20.1
Delsoy 5500	Public	white	tawny	tan	brown	3100	5.5	35.6	20.1
DT99-17483 (E)	Public	white	tawny	tan	—	2800	5.5	35.3	20.4
Ozark	Public	purple	gray	tan	buff	2500	5.2	34.3	20.4
R97-1634 (E)	Public	P/W	gray	—	—	2700	5.2	34.9	20.3
V96-0340 (E)	Public	purple	gray	brown	buff	2000	5.3	34.9	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 and V. 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 79. 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		*%*	*%*
DK5995	Delta King	white	gray	tab	imp black	3200	5.9	35.4	19.5
ESX-RB5 (E)	Eagle	white	gray	tan	imp black	4000	5.7	35.1	19.9
HBK 5991	Hornbeck	white	tawny	tan	black	2800	5.8	35.7	20.3
HBK 5592	Hornbeck	purple	tawny	tan	brown	2900	5.8	36.1	19.6
9594	Pioneer	white	gray	tan	buff	2300	5.9	35.2	20.1
95B97	Pioneer	purple	gray	tan	imp black	3100	5.9	35.4	19.6
Bolivar	Public	purple	tawny	tan	black	2900	5.8	35.3	19.9
Desha	Public	white	gray	tan	buff	2600	6.2	34.8	20.2
DT98-11850 (E)	Public	purple	tawny	tan	—	2900	5.8	34.9	20.1
DT99-17574 (E)	Public	white	tawny	tan	—	2600	5.7	35.9	20.1
Freedom	Public	white	gray	tan	buff	2900	5.8	36.0	20.2
Hutcheson	Public	white	gray	tan	buff	2400	5.7	34.9	20.6
Lonoke	Public	white	gray	tan	buff	3000	5.8	35.2	19.8
XR98-209 (E)	Public	—	—	—	—	3000	6.2	34.7	19.7

[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 and V. 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 80. 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	35.9	21.0
AG3702	Asgrow	purple	gray	brown	imp black	2700	3.7	37.4	19.9
AG3903	Asgrow	white	tawny	tan	black	3200	3.9	36.5	20.3
AG3905	Asgrow	purple	tawny	—	black	2800	3.9	36.1	20.2
DK 3961RR	Delta King	purple	tawny	tan	black	3500	3.9	37.0	19.8
DK 3968RR	Delta King	white	gray	tan	buff	3200	3.9	36.0	20.6
DK XTJ439RR (E)	Delta King	purple	lt. tawny	tan	black	2200	3.9	35.8	21.2
DP3861RR	DPL	purple	gray	tan	black	3100	3.8	36.3	20.2
DPX3940RR (E)	DPL	purple	tawny	tan	N.A.	2900	3.9	36.0	21.1
DPX3932RR (E)	DPL	purple	lt. tawny	tan	N.A.	2100	3.9	35.8	21.1
NK S39-Q4	NK	purple	lt. tawny	tan	brown	2600	3.9	36.4	20.7
93B67	Pioneer	white	tawny	brown	black	2600	3.6	36.5	20.0
93M90	Pioneer	purple	gray	brown	imp black	2400	3.9	36.3	20.3
PGY 3900RR (E)	Progeny	purple	lt. tawny	tan	black	2200	3.9	36.0	21.3
TVX39R302 (E)	Terral	purple	tawny	brown	black	3300	3.9	36.2	21.0
TVX39RS301 (E)	Terral	purple	gray	brown	imp black	3200	3.9	35.7	20.7
TVX39R306 (E)	Terral	purple	tawny	tan	black	2400	3.9	35.9	21.1
TVX40R301 (E)	Terral	purple	gray	brown	imp black	2700	4.0	36.6	20.0
TVX39R307 (E)	Terral	purple	tawny	tan	black	2400	3.9	36.1	20.8
TVX37R301 (E)	Terral	purple	gray	tawny	imp black	2800	3.7	36.5	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 and V. 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 81. 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	gray	tan	black	3000	I	4.4	35.1	21.8
Armor 44-R5	Armor	purple	brown	tan	black	2100	I	4.4	36.0	20.8
AG4201	Asgrow	white	tawny	tan	black	2700	I	4.2	36.4	20.8
AG4403	Asgrow	purple	lt. tawny	tan	black	3300	I	4.4	35.1	21.7
AG4502	Asgrow	purple	tawny	tawny	black	2200	I	4.5	37.0	20.4
AG4603	Asgrow	white	tawny	tan	black	3100	I	4.6	36.0	20.3
DKB44-51	DEKALB	purple	lt. tawny	brown	black	3100	I	4.4	35.3	21.7
DKB46-51	DEKALB	white	tawny	tan	black	2900	I	4.6	36.7	20.1
DK4461RR	Delta King	purple	lt. tawny	brown	black	2900	I	4.6	35.4	21.7
DK XTJ401RR (E)	Delta King	purple	lt. tawny	brown	black	3000	I	4.6	35.1	21.9
DP4331RR	DPL	purple	lt. tawny	tan	black	3500	I	4.3	35.7	21.6
DP4690RR	DPL	purple	lt. tawny	tan	black	3000	I	4.7	35.2	21.4
DPX4446RR (E)	DPL	white	tawny	tan	black	2900	I	4.4	36.4	20.6
DG 3443NRR	Dyna-Gro	purple	lt. tawny	brown	black	3000	I	4.4	35.4	21.6
DG 3463NRR	Dyna-Gro	white	tawny	tan	black	3700	I	4.6	36.9	20.4
XR 46Y02 (E)	Garst	purple	tawny	tan	black	2800	I	4.6	36.5	20.6
C444RR	Genesis	purple	tawny	tan	black	2900	I	4.4	35.2	21.7
D421RR	Genesis	purple	tawny	tan	black	2200	I	4.2	35.8	20.7
HBK R4623	Hornbeck	purple	tawny	tan	black	3000	I	4.5	36.3	20.8
MorSoy RT4480	MorSoy	purple	lt. tawny	brown	black	3000	I	4.4	35.1	21.7
NK S43-B1	NK	purple	tawny	brown	brown	3000	I	4.3	36.1	20.3
94B13	Pioneer	white	tawny	brown	black	2700	—	4.1	35.5	21.0
94M41	Pioneer	white	tawny	brown	black	2600	—	4.4	36.2	20.7
Progeny 4401RR	Progeny	purple	lt. tawny	brown	black	2800	I	4.4	34.7	21.8
SS RT4502N	Southern States	white	tawny	tan	black	2700	I	4.5	36.0	20.6
TV4589RR	Terral	white	tawny	brown	black	3100	I	4.5	36.3	20.7
USG 7440nRR	USG	purple	tawny	tan	brown	2900	I	4.4	35.3	21.6

[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 and V. 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 82. 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			*%*	*%*
AP 4888RR	AgriPro	purple	lt. tawny	tan	black	2900	I	4.8	35.6	21.4
Armor 47-G7	Armor	white	brown	tan	black	2800	I	4.7	36.5	20.1
Armor 49-P9	Armor	purple	tawny	tan	black	2300	I	4.9	35.9	20.2
AG4902	Asgrow	white	tawny	tan	black	2700	I	4.9	37.0	19.8
DG 4860RR	Delta Grow	purple	tawny	tan	black	2400	I	4.8	36.6	20.7
DG 4950RR	Delta Grow	purple	tawny	tan	black	2700	I	4.9	35.4	21.4
DG 4960RR	Delta Grow	purple	gray	tan	buff	2700	D	4.9	36.4	20.6
DK 4763RR	Delta King	white	tawny	tan	black	2600	I	4.7	36.3	20.3
DK 4868RR	Delta King	white	lt. tawny	brown	black	2800	I	4.8	36.0	20.9
DK 4967RR	Delta King	purple	tawny	tan	black	2600	I	4.9	36.4	20.8
DK XTJ402RR (E)	Delta King	white	tawny	tan	black	2700	I	4.7	36.3	20.1
DK XTJ403RR (E)	Delta King	purple	tawny	tan	black	2600	I	4.9	36.6	20.6
DK XTJ447RR (E)	Delta King	white	tawny	tan	black	2500	I	4.8	36.6	20.1
DK XTJ450RR (E)	Delta King	purple	gray	tan	buff	2500	I	5.0	36.6	20.5
DP4724RR	DPL	purple	tawny	tan	black	3000	I	4.7	36.4	20.7
DP4933RR	DPL	white	gray	tan	black	3800	I	4.9	36.2	20.2
SG498RR	DPL	white	tawny	tan	black	3000	I	4.9	36.4	20.1
DG 3481NRR	Dyna-Gro	purple	tawny	tan	black	2500	I	4.8	36.3	20.7
DG SX03149 (E)	Dyna-Gro	purple	tawny	tan	black	2500	I	4.9	35.7	20.4
ESXVT-17RR (E)	Eagle	purple	gray	tan	imp black	3100	I	4.9	34.9	21.0
FFR 4922RR	FFR	white	gray	tan	buff	3400	I	4.9	36.2	20.3
XR48Y11 (E)	Garst	purple	lt. tawny	tan	black	2800	I	4.8	35.8	21.4
D484RR	Genesis	purple	tawny	tan	black	2400	I	4.8	36.3	20.7
D491RR	Genesis	purple	lt. tawny	tan	black	2200	I	4.9	35.8	20.3
HBK R4820	Hornbeck	white	lt. tawny	brown	black	2800	I	4.8	36.1	20.8
HBK R4920	Hornbeck	purple	lt. tawny	brown	black	2500	I	4.9	35.6	21.2
HBK R4922	Hornbeck	gray	gray	tan	buff	3100	I	4.9	35.9	20.2
MorSoy RT4802	MorSoy	purple	tawny	tan	black	2600	D	4.8	36.6	20.6
MorSoy RT4809	MorSoy	white	lt. tawny	brown	black	2900	I	4.8	36.3	20.6
MorSoy RT4993 (E)	MorSoy	purple	lt. tawny	tan	black	2300	D	4.9	35.7	20.3
NK S49-Q9	NK	purple	gray	tan	black	3800	I	4.8	35.5	20.3
NK S50-N3	NK	purple	tan	tawny	black	3600	I	4.9	35.4	20.5
94B73	Pioneer	purple	lt. tawny	tan	black	3000	I	4.7	36.3	20.9
94M70	Pioneer	white	lt. tawny	brown	black	2600	I	4.7	35.9	20.9
PGY 4703RR (E)	Progeny	purple	tawny	tan	black	3000	I	4.7	35.9	20.9
Progeny 4884RR	Progeny	purple	tawny	tan	black	2800	D	4.8	36.3	20.8
Progeny 4932RR	Progeny	white	gray	tan	buff	3400	I	4.9	36.1	20.4
PGY 4860RR (E)	Progeny	purple	gray	tan	buff	2400	D	4.8	36.1	20.5
PGY 4949RR (E)	Progeny	white	tawny	brown	black	2700	I	4.9	35.5	20.8
SS RT4902	Southern States	white	gray	tan	buff	3100	I	4.9	36.0	20.3
SS RT4980	Southern States	purple	lt. tawny	brown	black	2700	I	4.9	35.6	21.0
SS RT4930	Southern States	white	gray	tan	buff	2600	D	4.9	36.4	20.5
SS RT517N	Southern States	purple	gray	tan	buff	2600	D	4.9	36.2	20.6
SS RT5001N	Southern States	purple	gray	tan	imp black	2700	D	4.9	35.9	20.0
TV4886RR	Terral	purple	tawny	tan	black	2900	I	4.8	36.0	20.8
TV4890RR	Terral	white	tawny	tan	black	3200	I	4.7	36.7	20.3
TVX47R1K2 (E)	Terral	purple	gray	tan	black	3000	I	4.7	36.3	20.1
TVX47R2P1 (E)	Terral	purple	gray	tan	black	3100	I	4.7	36.1	20.3
TVX48R1U1 (E)	Terral	purple	gray	tan	black	2900	I	4.8	36.1	20.4
TVX49R1L2 (E)	Terral	purple	tawny	brown	black	2700	I	4.9	36.3	20.4
TVX49R2Z1 (E)	Terral	purple	tawny	brown	black	2700	I	4.9	36.5	20.4
TVX49R2Y4 (E)	Terral	purple	tawny	brown	black	2700	I	4.9	36.7	20.3
V49N3RR	Vigoro	purple	tawny	tan	black	3000	I	4.9	36.3	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 and V. 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 83. 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		*%*	*%*
AGSE-531 (E)	AgSouth	white	tawny	tan	black	3000	5.3	36.4	19.6
Armor 53-K3	Armor	purple	gray	tan	clear	2600	5.3	34.9	20.7
Armor 56-J6	Armor	white	gray	tan	buff	3300	5.6	35.3	19.9
AXR 5313 (E)	Armor	white	gray	brown	buff	2700	5.3	34.8	20.8
AG5301	Asgrow	white	gray	tan	buff	3200	5.3	34.8	20.2
AG5501	Asgrow	purple	gray	tan	imp black	3000	5.5	34.8	20.2
AG5605	Asgrow	purple	gray	black	imp black	3600	5.6	35.6	19.9
DKB51-51	DEKALB	white	tan	brown	black	2400	5.1	35.2	20.8
DKB53-51	DEKALB	white	gray	tan	buff	3600	5.3	35.2	20.3
DG 5260RR	Delta Grow	white	gray	brown	buff	3300	5.2	35.5	20.3
DG 5460RR	Delta Grow	white	gray	tan	buff	3400	5.4	35.2	19.8
DG 5630RR	Delta Grow	white	gray	tan	buff	3200	5.6	35.5	20.0
DG 5650RR	Delta Grow	white	gray	tan	buff	2900	5.6	35.3	19.9
DK 5366RR	Delta King	purple	gray	tan	imp black	3500	5.3	35.1	20.0
DK 5465RR	Delta King	white	tawny	brown	brown	2900	5.4	35.6	19.6
DK 5561RR	Delta King	white	gray	brown	buff	2900	5.5	35.2	20.5
DK 5661RR	Delta King	white	gray	tan	buff	3200	5.6	35.8	19.7
DK 5668RR	Delta King	white	gray	tan	buff	2800	5.6	35.2	19.9
DK XTJ404RR (E)	Delta King	purple	gray	brown	imp black	3000	5.3	35.2	20.1
DK XTJ405RR (E)	Delta King	white	gray	brown	buff	3200	5.5	35.5	20.4
DK XTJ452RR (E)	Delta King	white	gray	tan	buff	2600	5.2	35.0	20.7
DP5414RR	DPL	white	tawny	tan	black	3100	5.4	36.3	19.5
DP5634RR	DPL	white	tawny	tan	black	3800	5.6	35.8	20.3
DP5644RR	DPL	white	tawny	tan	black	3000	5.6	35.7	19.5
DG 33B52	Dyna-Gro	white	gray	tan	buff	2900	5.2	34.9	20.7
DG 3535NRR	Dyna-Gro	purple	gray	tan	imp black	3300	5.3	35.0	20.0
DG 3562NRR	Dyna-Gro	white	gray	tan	buff	2900	5.6	34.8	20.0
DG SX03152 (E)	Dyna-Gro	purple	gray	tan	N.A.	3200	5.2	35.1	20.4
ESXVT-18RR (E)	Eagle	purple	tawny	tan	black	2900	5.4	34.6	20.8
ESXVT-19RR (E)	Eagle	white	tawny	tan	black	2900	5.5	34.9	20.3
5225RR	FFR	purple	tawny	tan	black	3000	5.2	36.0	19.7
5542RR	FFR	white	gray	tan	buff	2700	5.4	35.0	20.7
5212RR/N	Garst	purple	tawny	tan	black	3000	5.2	35.7	19.9
XR57N20 (E)	Garst	white	gray	tan	buff	3600	5.6	35.4	20.1
D524RR	Genesis	white	tawny	tan	black	3500	5.2	34.7	20.5
HBK R5123	Hornbeck	white	gray	tan	buff	2900	5.1	34.7	20.9
HBK R5422	Hornbeck	purple	tawny	tan	black	2700	5.4	35.7	19.8
HBK R5620	Hornbeck	white	gray	tan	buff	3100	5.6	35.3	19.9
MorSoy RT5252	MorSoy	white	tawny	tan	black	3300	5.2	34.4	20.5
MorSoy RT5620	MorSoy	white	gray	tan	buff	2700	5.6	35.5	19.8
MorSoy RT5553 (E)	MorSoy	white	gray	tan	buff	3000	5.5	35.0	20.6
NK S52-U3	NK	white	gray	tan	buff	3300	5.2	34.5	20.4
NK S56-D7	NK	purple	tawny	tan	black	2900	5.6	34.9	20.3
95B42	Pioneer	purple	gray	tan	imp black	2800	5.4	35.4	20.0
95B43	Pioneer	white	gray	tan	buff	2700	5.4	34.8	20.0
Progeny 5250RR	Progeny	white	tawny	tan	black	3700	5.2	34.7	20.5
Progeny 5415RR	Progeny	white	tawny	tan	brown	3100	5.4	35.5	19.9
Progeny 5660RR	Progeny	white	gray	tan	buff	3300	5.6	35.4	19.9
PGY 5503RR (E)	Progeny	white	gray	brown	buff	4000	5.5	35.4	19.8
SS RT5302N	Southern States	purple	tawny	tan	black	2900	5.3	36.1	19.7
SS RT557N	Southern States	purple	tawny	tan	imp black	2700	5.5	35.1	20.2
SS RT5602	Southern States	white	gray	tan	buff	2800	5.5	35.3	20.6
TV52R42	Terral	purple	gray	tan	buff	2800	5.2	35.7	19.8
TV52R301 (E)	Terral	white	tawny	tan	black	3700	5.2	34.9	20.5
TV54R11	Terral	white	tawny	tan	imp black	2700	5.4	35.7	19.7
TV56R11	Terral	white	gray	tan	buff	3100	5.6	35.5	19.8
TVX56R1B2 (E)	Terral	white	tawny	tan	black	2700	5.6	35.6	19.7
TVX56R3K1 (E)	Terral	white	tawny	tan	black	3200	5.6	35.6	19.8
USG 7524nRR (E)	USG	white	gray	tan	buff	3000	5.2	35.5	19.8
USG 540nRR	USG	white	tawny	tan	brown	3200	5.4	35.6	19.6
USG 7547RR	USG	purple	gray	tan	imp black	2800	5.4	35.5	20.2
USG 7553nRR (E)	USG	white	gray	brown	buff	3800	5.5	35.3	19.9
USG 7562nRR	USG	white	gray	tan	buff	2800	5.6	35.0	19.8
USG 7563nRR (E)	USG	white	gray	tan	buff	3300	5.6	35.3	20.0
V562NRR	Vigoro	white	gray	tan	buff	2400	5.6	35.6	19.9
CavinessRR (E)	Public	white	gray	—	—	2800	5.6	35.1	20.3
Md92-5769RR (E)	Public	purple	gray	—	—	3300	5.2	34.3	20.4
S99-2447-02RR (E)	Public	white	tawny	tan	brown	3300	5.5	35.7	20.4
99VPI-67 (E)	Public	white	gray	tan	buff	3100	5.4	34.6	20.8

[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 and V. 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 84. 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		*%*	*%*
AGSE-572 (E)	AgSouth	white	tawny	tan	black	3600	5.7	35.8	20.0
AGSE-574 (E)	AgSouth	white	tawny	brown	black	3100	5.7	35.6	19.7
AGSE-587 (E)	AgSouth	white	tawny	brown	black	2800	5.8	35.8	20.1
AXR 5881 (E)	Armor	—	—	—	—	2800	5.8	36.5	20.0
AXR 5981 (E)	Armor	white	gray	tan	buff	2500	5.9	35.3	20.3
AG5701	Asgrow	white	gray	tan	buff	3400	5.7	36.0	19.3
AG5903	Asgrow	white	gray	tan	buff	3300	5.9	34.5	20.8
DG 5960RR	Delta Grow	white	gray	tan	buff	2800	5.9	35.3	20.3
DK 5767RR	Delta King	white	gray	tan	buff	3100	5.7	35.7	19.9
DK 5967RR	Delta King	white	gray	tan	buff	2600	5.9	35.4	20.2
DK XTJ406RR (E)	Delta King	white	gray	tan	buff	3000	5.7	35.5	20.1
DK XTJ407RR (E)	Delta King	white	gray	tan	buff	2500	5.9	35.3	20.2
DK XTJ457RR (E)	Delta King	white	tawny	brown	black	3100	5.7	35.6	19.8
DK XTJ4R58 (E)	Delta King	white	tawny	brown	black	2600	5.8	36.0	19.9
DP 5806RR	DPL	white	gray	tan	buff	3300	5.8	35.8	19.6
DP 5915RR	DPL	white	tawny	tan	black	2900	5.9	36.5	19.8
DG 3583NRR	Dyna-Gro	white	gray	tan	buff	3800	5.8	35.4	20.1
DG 38K57	Dyna-Gro	white	tawny	tan	buff	3400	5.7	35.5	20.2
DG SX03157 (E)	Dyna-Gro	white	gray	tan	black	2900	5.7	35.1	20.5
ESXVT-34RR (E)	Eagle	purple	tawny	tan	brown	3200	5.7	35.6	19.9
ESXVT-41RR (E)	Eagle	purple	tawny	tan	black	3500	5.8	35.3	20.1
ESXVT-46RR (E)	Eagle	purple	gray	tan	imp black	3300	5.7	35.2	19.9
FFR 5702RR	FFR	purple	gray	tan	imp black	2700	5.7	35.7	20.0
Garst 5812RR/N	Garst	white	gray	tan	buff	3000	5.8	35.6	20.0
Garst XR59N25 (E)	Garst	white	gray	tan	buff	3000	5.9	35.5	20.1
Garst 6112RR/N	Garst	white	gray	tan	buff	2700	5.9	35.1	20.2
HBK R5823	Hornbeck	purple	gray	tan	buff	2500	5.8	35.9	20.4
HBK R6020	Hornbeck	white	gray	tan	buff	3200	6.0	35.9	19.4
MorSoy RT5773 (E)	MorSoy	white	gray	tan	buff	2900	5.7	35.5	20.0
MorSoy RT5903 (E)	MorSoy	white	gray	tan	buff	2800	5.9	35.4	20.4
NK S57-P1	NK	purple	gray	tan	buff	3000	5.7	35.6	20.1
95B96	Pioneer	white	gray	tan	buff	2900	5.9	35.2	20.2
Progeny 5822RR	Progeny	purple	gray	tan	imp black	3000	5.8	35.4	20.1
PGY 5703RR (E)	Progeny	white	gray	tan	buff	3600	5.7	35.6	20.1
SS RT5702	Southern States	purple	gray	tan	imp black	2900	5.7	35.8	19.8
SS RT5999	Southern States	purple	gray	tan	buff	2600	5.9	35.6	19.9
TV58R11	Terral	purple	gray	tan	buff	3200	5.8	35.8	20.1
TVX57R2M1 (E)	Terral	white	tawny	tan	black	3300	5.7	36.0	19.5
TVX57R301 (E)	Terral	white	gray	tan	buff	3200	5.7	35.4	20.2
TVX58R1V2 (E)	Terral	purple	tawny	tan	black	2800	5.8	35.7	20.1
TVX58R2W1 (E)	Terral	purple	tawny	tan	black	2800	5.8	34.8	20.1
TVX59R98	Terral	purple	gray	tan	buff	2700	5.9	35.5	20.1
TVX59R2Q1 (E)	Terral	purple	tawny	tan	black	2800	5.9	35.7	19.9
TVX59R301 (E)	Terral	white	gray	tan	buff	2800	5.9	35.2	20.3
TVX62R001	Terral	white	gray	tan	buff	3000	6.0	35.4	20.2
USG 570nRR	USG	white	gray	tan	buff	2800	5.7	35.3	19.9
USG 7582nRR	USG	white	gray	tan	buff	2800	5.8	35.3	20.2
99VPI-120 (E)	Public	white	gray	tan	buff	2800	5.7	35.1	20.4

[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 and V. 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.

Reaction to Diseases and Herbicides

Tables in this section report data on the soybean varieties' reactions to common diseases (Frogeye leaf spot and stem canker) and to metribuzin.

Disease Ratings. Disease ratings for frogeye leaf spot and stem canker were made by plant pathologists at Mississippi State University.

Frogeye leaf spot reactions were rated as 1= Resistant, 2 = Moderately Resistant, 3 = Intermediate, 4 = Moderately Susceptible, 5 = Susceptible, and 6 = Very Susceptible.

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; and 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.

HNR is the highest numeric rating in response to stem canker.

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 85. Reaction of Maturity Group IV Soybeans to Diseases and Herbicides.

Variety	Brand	Frogeye leaf spot	Stem canker		Herbicide reaction
			Rating	HNR	
DP4748S	DPL	—	R	1.00	1.5
HBK 4944CX	Hornbeck	—	R	1.10	3.0
HBK 4992	Hornbeck	—	—	—	1.5
Progeny 4910	Progeny	—	R-S (R)	1.10	1.5
DT97-4290 (E)	Public	—	—	—	2.0
DT98-9102 (E)	Public	1.68	R-S	1.50	2.2
DT98-7278 (E)	Public	—	R-S	1.80	1.0
DT99-17400 (E)	Public	—	—	—	1.0
R98-1817 (E)	Public	—	—	—	1.3

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

Variety	Brand	Frogeye leaf spot	Stem canker		Herbicide reaction
			Rating	HNR	
Armor 52-C2	Armor	2.00	R-MR	1.80	4.0
Armor 56-C4	Armor	2.00	R-VS (R)	2.03	1.7
A5427	Asgrow	2.00	R	1.13	1.0
DP5110S	DPL	2.00	R-MR	1.80	2.5
DPX 5520S (E)	DPL	2.50	R-MS(R)	1.18	2.0
Progeny 5600	Progeny	2.50	R-VS (VS)	3.65	1.5
USG 5002T (E)	USG	2.25	R-VS (R)	1.13	3.3
USG 5601T	USG	2.00	R-S (R)	1.28	1.3
ANAND	Public	2.00	R-VS (R)	1.45	3.0
Delsoy 5500	Public	2.50	R-MR	1.30	1.0
DT99-17483 (E)	Public	2.50	R	1.08	1.0
Ozark	Public	2.00	R-VS (R)	1.28	3.0
R97-1634 (E)	Public	2.00	R-VS	2.33	1.0
V96-0340 (E)	Public	3.00	R-S (R)	1.33	1.8

Table 87. Reaction of Maturity Group V Late Soybeans to Diseases and Herbicides.

Variety	Brand	Frogeye leaf spot	Stem canker		Herbicide reaction
			Rating	HNR	
DK5995	Delta King	2.00	R-VS (R)	1.73	1.0
ESX-RB5 (E)	Eagle	3.00	R-VS (VS)	3.18	1.0
HBK 5991	Hornbeck	4.50	R-VS (R)	1.25	1.5
HBK 5592	Hornbeck	3.00	R-VS (VS)	1.55	2.2
9594	Pioneer	3.00	R-VS (VS)	3.30	1.3
95B97	Pioneer	3.00	R-VS (R)	3.48	3.8
Bolivar	Public	3.00	R-VS (R)	1.65	1.0
Desha	Public	2.25	R-MS (R)	1.15	1.0
DT98-11850 (E)	Public	2.00	R-S (R)	1.23	1.8
DT99-17574 (E)	Public	3.00	R-VS (R)	1.23	1.0
Freedom	Public	2.20	R-MS (R)	1.20	1.2
Hutcheson	Public	2.50	R-VS (R)	1.45	1.0
Lonoke	Public	4.50	R-VS (R)	1.28	2.8
XR98-209 (E)	Public	2.00	R-VS	2.55	2.8

Table 88. Reaction of Maturity Group III Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Frogeye leaf spot	Stem canker		Herbicide reaction
			Rating	HNR	
Armor 39-E9	Armor	2.50	R	1.03	1.2
AG3702	Asgrow	2.25	R	1.10	1.2
AG3903	Asgrow	2.00	R-S (S)	1.20	2.4
AG3905	Asgrow	2.00	R-VS	3.03	1.7
DK 3961RR	Delta King	2.00	R	1.00	2.5
DK 3968RR	Delta King	2.50	R	1.20	2.2
DK XTJ439RR (E)	Delta King	3.00	R	1.03	1.3
DP3861RR	DPL	2.00	R	1.00	1.8
DPX3940RR (E)	DPL	2.50	R	1.20	1.0
DPX3932RR (E)	DPL	2.00	R	1.03	1.5
NK S39-Q4	NK	2.00	R-MR	1.33	—
93B67	Pioneer	2.00	R-MR	1.03	3.3
93M90	Pioneer	2.50	R	1.08	2.3
PGY 3900RR (E)	Progeny	2.50	R	1.00	1.7
TVX39R302 (E)	Terral	1.75	R-S (R)	1.23	3.2
TVX39RS301 (E)	Terral	2.00	R	1.08	1.0
TVX39R306 (E)	Terral	4.50	R	1.00	1.2
TVX40R301 (E)	Terral	2.00	R-MR (R)	1.08	1.3
TVX39R307 (E)	Terral	4.50	R-MR	1.33	2.2
TVX37R301 (E)	Terral	5.00	R	1.03	3.8

Table 89. Reaction of Maturity Group IV Early Roundup Ready Soybeans to Diseases and Herbicides.					
Variety	Brand	Frogeye leaf spot	Stem canker		Herbicide reaction
			Rating	HNR	
Armor 44-R4	Armor	5.00	(MR-MS)	2.05	2.5
Armor 44-R5	Armor	1.75	R	1.00	1.0
AG4201	Asgrow	2.48	R-VS (R)	1.38	1.2
AG4403	Asgrow	4.00	R-VS	2.33	1.0
AG4502	Asgrow	2.00	R	1.00	3.7
AG4603	Asgrow	5.50	R-VS (R)	1.23	1.0
DKB44-51	DEKALB	4.00	R-VS	2.83	1.3
DKB46-51	DEKALB	3.50	R-VS	2.50	1.8
DK4461RR	Delta King	4.00	—	—	2.8
DK XTJ401RR (E)	Delta King	4.50	R-VS (S)	3.15	3.0
DP4331RR	DPL	4.46	R-VS	2.70	1.5
DP4690RR	DPL	3.13	R	1.10	1.5
DPX4446RR (E)	DPL	1.50	R-S (R)	1.20	1.0
DG 3443NRR	Dyna-Gro	3.80	R-S	2.88	2.3
DG 3463NRR	Dyna-Gro	5.13	R	1.00	1.0
XR 46Y02 (E)	Garst	—	—	—	1.0
C444RR	Genesis	—	—	—	1.7
D421RR	Genesis	2.00	R	1.03	1.0
HBK R4623	Hornbeck	—	—	—	1.3
MorSoy RT4480	MorSoy	4.50	—	—	1.5
NK S43-B1	NK	3.80	R-MS (R)	1.08	3.0
94B13	Pioneer	2.00	R-MS	1.25	3.7
94M41	Pioneer	3.13	R-MS	1.13	2.0
Progeny 4401RR	Progeny	4.50	R-VS (MS)	3.15	1.5
SS RT4502N	Southern States	3.13	R-MR	1.33	1.0
TV4589RR	Terral	6.00	—	—	1.3
USG 7440nRR	USG	4.00	(MS-S)	3.95	1.8

Table 90. Reaction of Maturity Group IV Late Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Frogeye	Stem canker		Herbicide
		leaf spot	Rating	HNR	reaction
AP 4888RR	AgriPro	2.50	R-VS (R)	1.05	2.7
Armor 47-G7	Armor	2.00	MS-S	3.80	2.2
Armor 49-P9	Armor	2.00	R	1.00	—
AG4902	Asgrow	2.00	R	1.00	1.0
DG 4860RR	Delta Grow	2.00	R	1.00	—
DG 4950RR	Delta Grow	2.00	R	1.00	2.5
DG 4960RR	Delta Grow	2.00	R-VS (R)	1.33	3.7
DK 4763RR	Delta King	2.00	MR-VS (VS)	3.70	2.4
DK 4868RR	Delta King	3.00	S-VS	4.18	1.0
DK 4967RR	Delta King	2.00	R	1.00	1.0
DK XTJ402RR (E)	Delta King	2.00	R-VS	2.80	2.8
DK XTJ403RR (E)	Delta King	2.00	R	1.00	1.0
DK XTJ447RR (E)	Delta King	2.00	R-VS (R)	1.89	1.2
DK XTJ450RR (E)	Delta King	—	—	—	4.0
DP4724RR	DPL	2.00	R	1.00	1.0
DP4933RR	DPL	3.50	R-S (R)	1.75	2.8
SG498RR	DPL	3.00	R	1.05	1.0
DG 3481NRR	Dyna-Gro	1.75	R	1.00	1.0
DG SX03149 (E)	Dyna-Gro	2.00	R-VS (R)	1.33	3.5
ESXVT-17RR (E)	Eagle	1.75	R	1.00	1.5
FFR 4922RR	FFR	3.50	R	1.00	3.0
XR48Y11 (E)	Garst	3.00	R	1.08	1.7
D484RR	Genesis	4.50	R	1.13	1.0
D491RR	Genesis	3.00	R	1.20	2.8
HBK R4820	Hornbeck	3.50	R-VS	3.75	1.5
HBK R4920	Hornbeck	2.00	R	1.05	2.0
HBK R4922	Hornbeck	2.50	R	1.05	3.2
MorSoy RT4802	MorSoy	1.75	R	1.08	1.0
MorSoy RT4809	MorSoy	3.50	MS-S	3.88	1.0
MorSoy RT4993 (E)	MorSoy	2.50	R-VS (R)	1.25	2.7
NK S49-Q9	NK	2.50	R	1.00	2.5
NK S50-N3	NK	—	—	—	1.7
94B73	Pioneer	4.00	R-MR	1.80	1.3
94M70	Pioneer	2.00	R-S (R)	1.38	3.2
Progeny 4703RR (E)	Progeny	—	—	—	1.0
Progeny 4884RR	Progeny	2.00	R	1.05	1.0
Progeny 4932RR	Progeny	3.50	R-VS (R)	1.98	2.8
PGY 4860RR (E)	Progeny	—	—	—	2.8
PGY 4949RR (E)	Progeny	2.00	R	1.00	2.0
SS RT4902	Southern States	3.50	R	1.00	3.3
SS RT4980	Southern States	4.00	R	1.00	1.8
SS RT4930	Southern States	2.50	R	1.00	2.3
SS RT517N	Southern States	3.00	R-MR (R)	1.10	2.7
SS RT5001N	Southern States	3.50	R-MS (R)	1.70	2.5
TV4886RR	Terral	5.00	R	1.00	1.0
TV4890RR	Terral	4.00	R	1.03	1.0
TVX47R1K2 (E)	Terral	4.00	MS-S (S)	3.80	1.0
TVX47R2P1 (E)	Terral	4.00	MR-VS (VS)	4.50	1.0
TVX48R1U1 (E)	Terral	3.00	S-VS	4.50	1.0
TVX49R1L2 (E)	Terral	2.00	R-VS	1.18	1.5
TVX49R2Z1 (E)	Terral	2.00	R-S (R)	1.75	2.0
TVX49R2Y4 (E)	Terral	2.00	R-VS	2.33	1.5
V49N3RR	Vigoro	—	—	—	1.0

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

Variety	Brand	Frogeye leaf spot	Stem canker		Herbicide reaction
			Rating	HNR	
AGSE-531 (E)	AgSouth	1.00	R	1.00	2.0
Armor 53-K3	Armor	3.00	R	1.03	2.3
Armor 56-J6	Armor	2.00	R	1.80	3.0
AXR 5313 (E)	Armor	—	—	—	1.8
AG5301	Asgrow	2.50	R	1.00	—
AG5501	Asgrow	1.50	R	1.15	1.0
AG5605	Asgrow	3.50	R-MR	1.55	3.0
DKB51-51	DEKALB	1.50	R	1.00	1.8
DKB53-51	DEKALB	2.50	R	1.00	1.2
DG 5260RR	Delta Grow	—	R	1.00	1.5
DG 5460RR	Delta Grow	4.00	R-MR	1.13	2.8
DG 5630RR	Delta Grow	—	R-MR	1.80	1.2
DG 5650RR	Delta Grow	1.00	MR-MS	2.68	3.0
DK 5366RR	Delta King	1.50	MR-MS	2.20	2.5
DK 5465RR	Delta King	3.00	R-MR	1.10	1.5
DK 5561RR	Delta King	2.50	R-MR	1.90	2.3
DK 5661RR	Delta King	3.00	MR-MS	2.20	2.5
DK 5668RR	Delta King	1.00	R	1.00	2.5
DK XTJ404RR (E)	Delta King	2.50	MR	2.03	3.2
DK XTJ405RR (E)	Delta King	3.50	R-MR	1.10	1.0
DK XTJ452RR (E)	Delta King	—	R	1.05	2.2
DP5414RR	DPL	1.00	R	1.00	1.0
DP5634RR	DPL	1.50	R-MR	1.33	3.8
DP5644RR	DPL	1.50	R-MR	1.23	2.2
DG 33B52	Dyna-Gro	1.00	R-MR	1.08	3.5
DG 3535NRR	Dyna-Gro	1.00	MR-MS	2.13	1.2
DG 3562NRR	Dyna-Gro	1.00	R-MR	1.50	1.0
DG SX03152 (E)	Dyna-Gro	2.00	R-MR	1.08	2.3
ESXVT-18RR (E)	Eagle	5.00	MR-MS	2.33	1.0
ESXVT-19RR (E)	Eagle	2.50	R-MR	1.25	3.0
5225RR	FFR	1.50	R	1.48	4.0
5542RR	FFR	2.50	R	1.00	3.0
5212RR/N	Garst	1.00	MR-MS	2.58	3.0
XR57N20 (E)	Garst	1.00	MR-MS	2.65	2.2
D524RR	Genesis	2.00	R	1.05	1.3
HBK R5123	Hornbeck	3.50	R	1.00	1.3
HBK R5422	Hornbeck	2.00	MS-S	3.25	3.2
HBK R5620	Hornbeck	1.50	MR-MS	2.20	2.5
MorSoy RT5252	MorSoy	2.00	R	1.00	1.0
MorSoy RT5620	MorSoy	2.50	R-MR	1.15	3.8
MorSoy RT5553 (E)	MorSoy	3.00	MR-MS	2.43	2.5
NK S52-U3	NK	2.00	MR-MS	1.25	—
NK S56-D7	NK	2.00	R	1.00	—
95B42	Pioneer	5.00	MR-MS	2.70	2.8
95B43	Pioneer	2.00	R	1.00	1.3
Progeny 5250RR	Progeny	1.50	R-MR	1.10	1.0
Progeny 5415RR	Progeny	2.00	R	1.05	2.4
Progeny 5660RR	Progeny	1.50	MR-MS	2.75	3.8
PGY 5503RR (E)	Progeny	3.50	R-MR	1.28	2.5
SS RT5302N	Southern States	1.00	R-MR	1.87	2.8
SS RT557N	Southern States	3.00	MR-MS	2.13	1.0
SS RT5602	Southern States	1.00	MR-MS	2.08	2.0
TV52R42	Terral	3.00	R-MR	1.11	2.3
TV52R301 (E)	Terral	2.00	R	1.00	1.8
TV54R11	Terral	3.00	R	1.00	1.0
TV56R11	Terral	1.50	MR-MS	2.15	4.0
TVX56R1B2 (E)	Terral	4.50	R	1.00	2.3
TVX56R3K1 (E)	Terral	1.50	R	1.00	2.2
USG 7524nRR (E)	USG	3.00	R-MR	1.13	1.0
USG 540nRR	USG	1.50	R	1.05	—
USG 7547RR	USG	2.50	R	1.08	1.0
USG 7553nRR (E)	USG	4.00	R-MR	1.13	—
USG 7562nRR	USG	2.00	MS-S	3.08	3.3
USG 7563nRR (E)	USG	1.00	R-MR	1.75	2.3
V562NRR	Vigoro	—	—	—	4.2
CavinessRR (E)	Public	2.50	R	1.00	2.3
Md92-5769RR (E)	Public	2.00	R-MR	1.40	1.5
S99-2447-02RR (E)	Public	1.50	R	1.00	4.0
99VPI-67 (E)	Public	2.00	R	1.05	1.0

Table 92. Reaction of Maturity Group V Late Roundup Ready Soybeans to Diseases and Herbicides.

Variety	Brand	Frogeye leaf spot	Stem canker		Herbicide reaction
			Rating	HNR	
AGSE-572 (E)	AgSouth	—	—	—	1.0
AGSE-574 (E)	AgSouth	5.50	R-S (R)	1.38	1.3
AGSE-587 (E)	AgSouth	2.00	—	—	3.5
AXR 5881 (E)	Armor	3.50	R	1.08	3.2
AXR 5981 (E)	Armor	1.75	R-VS	2.78	2.3
AG5701	Asgrow	2.00	R-VS	2.33	1.0
AG5903	Asgrow	2.50	R-VS (R)	1.55	1.3
DG 5960RR	Delta Grow	2.00	R-VS	2.50	3.8
DK 5767RR	Delta King	2.00	R-MS (R)	1.85	2.2
DK 5967RR	Delta King	2.00	R-VS	2.60	—
DK XTJ406RR (E)	Delta King	1.75	R-VS (R)	1.50	1.5
DK XTJ407RR (E)	Delta King	2.00	R-VS	2.18	3.0
DK XTJ457RR (E)	Delta King	1.25	R-MS (R)	1.43	1.2
DK XTJ4R58 (E)	Delta King	2.00	R	1.03	3.5
DP 5806RR	DPL	2.50	R-VS (VS)	1.53	1.0
DP 5915RR	DPL	2.00	R-VS (R)	1.60	1.0
DG 3583NRR	Dyna-Gro	2.00	R-VS	2.35	2.2
DG 38K57	Dyna-Gro	2.00	R-VS (R)	1.63	2.8
DG SX03157 (E)	Dyna-Gro	3.50	R-VS (R)	2.03	1.0
ESXVT-34RR (E)	Eagle	2.00	R-VS (R)	1.18	1.4
ESXVT-41RR (E)	Eagle	1.75	R-VS (R)	1.40	1.6
ESXVT-46RR (E)	Eagle	1.75	R-VS (R)	1.20	1.2
FFR 5702RR	FFR	2.00	R	1.10	3.2
Garst 5812RR/N	Garst	2.50	R-VS (R)	1.28	2.2
Garst XR59N25 (E)	Garst	2.00	R-VS	2.45	3.0
Garst 6112RR/N	Garst	2.00	R	1.00	1.3
HBK R5823	Hornbeck	6.00	R	1.10	2.2
HBK R6020	Hornbeck	2.00	R-VS	1.78	1.0
MorSoy RT5773 (E)	MorSoy	2.00	R-VS (R)	1.48	2.5
MorSoy RT5903 (E)	MorSoy	2.00	R-VS	2.30	3.5
NK S57-P1	NK	1.50	R-VS (VS)	2.93	3.3
95B96	Pioneer	4.00	MS	3.00	2.3
Progeny 5822RR	Progeny	2.00	R-MR	1.82	3.0
PGY 5703RR (E)	Progeny	3.75	R-VS (R)	1.53	2.0
SS RT5702	Southern States	2.25	R	1.10	3.3
SS RT5999	Southern States	2.00	R	1.10	2.3
TV58R11	Terral	2.00	R-VS (S)	3.20	2.3
TVX57R2M1 (E)	Terral	5.00	R-MS (R)	1.10	3.8
TVX57R301 (E)	Terral	2.00	R-VS (R)	1.85	2.8
TVX58R1V2 (E)	Terral	4.00	R	1.08	1.8
TVX58R2W1 (E)	Terral	4.00	R	1.03	1.0
TVX59R98	Terral	3.00	R-VS (R)	1.55	2.2
TVX59R2Q1 (E)	Terral	4.00	R-VS (R)	1.38	1.8
TVX59R301 (E)	Terral	1.75	R-VS (R)	2.08	3.8
TVX62R001	Terral	2.00	R	1.13	2.0
USG 570nRR	USG	1.75	R-VS (R)	1.93	2.2
USG 7582nRR	USG	2.00	R-VS (VS)	3.13	3.0
99VPI-120 (E)	Public	3.00	R-VS (R)	1.43	1.8

In-Field Disease Ratings

Tables in this section contain data on soybean varieties' reactions to bacterial blight, frogeye leaf spot, late-season Cercospora, SDS (sudden death syndrome), and stem canker. John Hicks, retired soybean breeder, collected this data from Mississippi soybean variety trials at Stoneville, Clarksdale, Olive Branch, Longwood, and Warren County.

Bacterial Blight. Rated on a scale of 1–9: 1 = no or very little disease; 9 = leaf blight occurrence.

Frogeye leaf spot. Rated on a scale of 1–9: 1 = no or very little disease; 9 = leaf spot occurrence.

Late-Season Cercospora. Rated on a scale of 1–9: 1 = no or very little disease; 9 = severe leaf discoloration and defoliation.

Stem Canker. Rated on a scale of 1–9: 1 = no or very little disease; 9 = severe disease.

Sudden Death Syndrome (SDS). Rated on a scale of 1–9: 1 = no or very little disease; 9 = severe disease.

Table 93. Maturity Group IV Soybeans at Delta Branch Experiment Station, Stoneville.

Variety	Brand	Frogeye Leaf Spot
R98-1817 (E)	Public	1.0
DP4748S	DPL	1.0
HBK 4944CX	Hornbeck	4.0
HBK 4992	Hornbeck	5.0
PGY 4910	Progeny	4.3
DT97-4290 (E)	Public	1.0
DT98-9102 (E)	Public	1.0
DT98-7278 (E)	Public	1.0
DT99-17400 (E)	Public	1.0

Table 94. Maturity Group V Early Soybeans at Delta Branch Experiment Station, Stoneville.

Variety	Brand	Frogeye Leaf Spot
R97-1634 (E)	Public	1.0
Ozark	Public	1.0
DP5110S	DPL	2.0
DPX 5520S (E)	DPL	2.7
ANAND	Public	1.0
Delsoy 5500	Public	1.0
A5437	Asgrow	1.0
Progeny 5600	Progeny	1.7
USG 5002T (E)	USG	1.0
Armor 52-C2	Armor	2.3
Armor 56-C4	Armor	1.0
DT99-17483 (E)	Public	1.7
USG 5601T	USG	1.0
V96-0340 (E)	Public	1.0

Table 95. Maturity Group V Late Soybeans at Delta Branch Experiment Station, Stoneville.

Variety	Brand	Frogeye Leaf Spot
95B97	Pioneer	2.3
9594	Pioneer	2.3
Lonoke	Public	4.0
HBK 5991	Hornbeck	5.0
HBK 5592	Hornbeck	3.3
DT98-11850 (E)	Public	1.3
DT99-17574 (E)	Public	2.0
ESX-RB5 (E)	Eagle Seed	2.7
DK5995	Delta King	1.0
Freedom	Public	1.0
Hutcheson	Public	1.0
Bolivar	Public	4.0
Desha	Public	1.0
XR98-209 (E)	Public	1.0

Table 96. Maturity Group IV Early Roundup Ready Soybeans at Delta Branch Experiment Station, Stoneville.

Variety	Brand	Frogeye Leaf Spot
94B13	Pioneer	1.0
94M41	Pioneer	1.0
DG 3443NRR	Dyna-Gro	3.7
DG 3463NRR	Dyna-Gro	2.7
SS RT4502N	Southern States	1.0
NK S43-B1	NK Brand	1.3
DP4331RR	DPL	3.3
DPX4446RR (E)	DPL	1.3
DP4690RR	DPL	2.3
HBK R4623	Hornbeck	1.0
XR 46Y02 (E)	Garst	1.0
AG4201	Asgrow	1.0
AG4403	Asgrow	4.0
AG4502	Asgrow	1.3
AG4603	Asgrow	3.7
DKB44-51	DEKALB	3.3
DKB46-51	DEKALB	1.0
Progeny 4401RR	Progeny	3.7
USG 7440nRR	USG	4.0
Armor 44-R4	Armor	3.7
Armor 44-R5	Armor	1.0
D421RR	Genesis	1.0
C444RR	Genesis	4.0
MorSoy RT4480	MorSoy	4.0
TV4589RR	Terral	4.0
DK4461RR	Delta King	3.7
DK XTJ401RR (E)	Delta King	3.3

Table 97. Maturity Group IV Late Roundup Ready Soybeans at Delta Branch Experiment Station, Stoneville.

Variety	Brand	Frogeye Leaf Spot
94M70	Pioneer	3.7
94B73	Pioneer	1.0
DG3481NRR	Dyna-Gro	1.0
DG SX03149 (E)	Dyna-Gro	2.0
SS RT4902	Southern States	2.7
SS RT4980	Southern States	3.3
SS RT4930	Southern States	1.3
SS RT517N	Southern States	2.7
SS RT5001N	Southern States	3.7
DG 4860RR	Delta Grow	1.0
DG4950RR	Delta Grow	2.7
DG4960RR	Delta Grow	1.0
NK S49-Q9	NK Brand	2.3
DP4724RR	DPL	1.0
DP4933RR	DPL	3.0
HBK R4820	Hornbeck	4.0
HBK R4920	Hornbeck	3.3
HBK R4922	Hornbeck	3.0
XR48Y11 (E)	Garst	3.0
AP 4888RR	AgriPro	3.0
AG4902	Asgrow	2.3
Progeny 4703RR (E)	Progeny	1.3
Progeny 4884RR	Progeny	1.0
Progeny 4932RR	Progeny	3.0
PGY 4860RR (E)	Progeny	1.0
PGY 4949RR (E)	Progeny	1.0
ESXVT-17RR (E)	Eagle Seed	1.0
V49N3RR	Vigoro	1.0
Armor 47-G7	Armor	2.0
Armor 49-P9	Armor	2.7
FFR 4922RR	FFR	3.3
D484RR	Genesis	1.0
D491RR	Genesis	1.3
MorSoy RT4802	MorSoy	1.0
MorSoy RT4809	MorSoy	3.3
MorSoy RT4993 (E)	MorSoy	2.0
TVX47R1K2 (E)	Terral	3.7
TVX47R2P1 (E)	Terral	3.3
TVX48R1U1 (E)	Terral	4.3
TV4886RR	Terral	5.0
TV4890RR	Terral	3.3
TVX49R1L2 (E)	Terral	1.0
TVX49R2Z1 (E)	Terral	1.0
DK 4763RR	Delta King	2.3
DK XTJ402RR (E)	Delta King	1.7
DK XTJ447RR (E)	Delta King	1.0
DK 4868RR	Delta King	3.7
DK XTJ450RR (E)	Delta King	1.3
NK S50-N3	NK Brand	3.0
DK 4967RR	Delta King	1.0
DK XTJ403RR (E)	Delta King	1.0
TVX49R2Y4 (E)	Terral	1.0
SG498RR	DPL	4.7

Table 98. Maturity Group V Early Roundup Ready Soybeans at Delta Branch Experiment Station, Stoneville.

Variety	Brand	Frogeye Leaf Spot
95B42	Pioneer	3.0
95B43	Pioneer	3.0
DG SX03152 (E)	Dyna-Gro	2.0
DG 33B52	Dyna-Gro	1.0
DG 3535NRR	Dyna-Gro	1.0
DG 3562NRR	Dyna-Gro	1.0
SS RT5302N	Southern States	1.0
SS RT557N	Southern States	4.0
SS RT5602	Southern States	1.3
CavinessRR (E)	Public	3.0
Md92-5769RR (E)	Public	1.0
DG 5260RR	Delta Grow	1.0
DG 5460RR	Delta Grow	3.3
DG 5630RR	Delta Grow	1.3
DG 5650RR	Delta Grow	1.0
NK S52-U3	NK Brand	1.0
NK S56-D7	NK Brand	1.3
DP5414RR	DPL	1.0
DP5634RR	DPL	1.0
DP5644RR	DPL	1.0
HBK R5123	Hornbeck	3.7
HBK R5422	Hornbeck	1.0
HBK R5620	Hornbeck	1.0
S99-2447-02RR (E)	Public	1.0
XR57N20 (E)	Garst	1.0
5212RR/N	Garst	1.0
AG5301	Asgrow	2.0
AG5501	Asgrow	1.0
AG5605	Asgrow	3.0
DKB51-51	DEKALB	1.0
DKB53-51	DEKALB	1.0
Progeny 5250RR	Progeny	1.0
Progeny 5415RR	Progeny	2.0
PGY 5503RR (E)	Progeny	4.0
Progeny 5660RR	Progeny	1.0
USG 7524nRR (E)	USG	3.0
USG 540nRR	USG	1.0
USG 7547RR	USG	1.7
USG 7553nRR (E)	USG	3.3
USG 7562nRR	USG	1.0
USG 7563nRR (E)	USG	1.0
ESXVT-18RR (E)	Eagle Seed	3.3
ESXVT-19RR (E)	Eagle Seed	1.0
V562NRR	Vigoro	1.0
Armor 53-K3	Armor	2.3
Armor 56-J6	Armor	1.0
99VPI-67 (E)	Public	1.3
FFR 5225RR	FFR	1.0
FFR 5542RR	FFR	1.3
D524RR	Genesis	1.0
MorSoy RT5252	MorSoy	1.0
MorSoy RT5553 (E)	MorSoy	1.7
MorSoy RT5620	MorSoy	1.0
TV52R42	Terral	2.7
TV52R301 (E)	Terral	1.0
TV54R11	Terral	1.7
TV56R11	Terral	1.0
TVX56R1B2 (E)	Terral	4.7
TVX56R3K1 (E)	Terral	5.0
DK XTJ452RR (E)	Delta King	1.0
DK 5366RR	Delta King	1.0
DK XTJ404RR (E)	Delta King	1.0
DK 5465RR	Delta King	1.0
DK 5561RR	Delta King	2.0
DK XTJ405RR (E)	Delta King	3.0
DK 5661RR	Delta King	1.0
DK 5668RR	Delta King	1.0
AGSE-531 (E)	AgSouth	1.0
AXR 5313 (E)	Armor	1.0

Table 99. Maturity Group V Late Roundup Ready Soybeans at Delta Branch Experiment Station, Stoneville.

Variety	Brand	Frogeye Leaf Spot
95B96	Pioneer	3.0
DG 38K57	Dyna-Gro	1.0
DG SX01357 (E)	Dyna-Gro	4.0
DG 3583NRR	Dyna-Gro	1.0
SS RT5702	Southern States	2.0
SS RT5999	Southern States	4.0
DG 5960RR	Delta Grow	1.0
NK S57-P1	NK Brand	1.0
DP 5806RR	DPL	3.7
DP 5915RR	DPL	1.0
DK XTJ407RR (E)	Delta King	1.0
HBK R5823	Hornbeck	4.3
HBK R6020	Hornbeck	1.0
5812RR/N	Garst	4.0
XR59N25 (E)	Garst	1.0
6112RR/N	Garst	1.0
AG5701	Asgrow	1.3
AG5903	Asgrow	1.0
PGY 5703RR (E)	Progeny	1.0
Progeny 5822RR	Progeny	1.0
USG 570nRR	USG	1.0
USG 7582nRR	USG	1.0
ESXVT-46RR (E)	Eagle Seed	1.0
ESXVT-34RR (E)	Eagle Seed	1.0
ESXVT-41RR (E)	Eagle Seed	1.0
AXR 5881 (E)	Armor	4.0
AXR 5981 (E)	Armor	1.0
99VPI-120 (E)	Public	1.3
FFR 5702RR	FFR	1.0
MorSoy RT5773 (E)	MorSoy	1.0
MorSoy RT5903 (E)	MorSoy	1.0
TV58R11	Terral	1.3
TVX58R1V2 (E)	Terral	4.0
TVX58R2W1 (E)	Terral	4.0
TV59R98	Terral	3.3
TVX59R2Q1 (E)	Terral	4.0
TVX59R301 (E)	Terral	1.0
TVX62R001	Terral	1.0
DK 5767RR	Delta King	1.0
DK XTJ406RR (E)	Delta King	1.0
DK XTJ457RR (E)	Delta King	1.0
DK XTJ4R58 (E)	Delta King	1.3
DK5967RR	Delta King	1.0
TVX57R2M1 (E)	Terral	4.3
TVX57R301 (E)	Terral	1.0
AGSE-572 (E)	AgSouth	4.3
AGSE-587 (E)	AgSouth	1.0
AGSE-574 (E)	AgSouth	1.0

Table 100. Maturity Group V Late Soybeans at Clarksdale, Coahoma County.

Variety	Brand	Stem Canker	Late-Season Cercospora
95B97	Pioneer	1.3	4.5
9594	Pioneer	2.7	3.0
Lonoke	Public	1.0	3.5
HBK 5991	Hornbeck	1.0	2.0
HBK 5592	Hornbeck	1.0	2.0
DT98-11850 (E)	Public	1.0	2.0
DT99-17574 (E)	Public	1.0	3.5
ESX-RB5 (E)	Eagle Seed	1.0	4.0
DK5995	Delta King	1.0	2.5
Freedom	Public	1.0	2.0
Hutcheson	Public	1.0	4.5
Bolivar	Public	2.0	2.0
Desha	Public	1.0	6.0
XR98-209 (E)	Public	6.3	3.5

Table 101. Maturity Group IV Late Roundup Ready Soybeans at Clarksdale, Coahoma County.

Variety	Brand	Stem Canker
94M70	Pioneer	1.0
94B73	Pioneer	1.0
DG3481NRR	Dyna-Gro	1.0
DG SX03149 (E)	Dyna-Gro	1.0
SS RT4902	Southern States	1.0
SS RT4980	Southern States	1.0
SS RT4930	Southern States	1.0
SS RT517N	Southern States	1.0
SS RT5001N	Southern States	1.5
DG 4860RR	Delta Grow	1.0
DG 4950RR	Delta Grow	1.0
DG 4960RR	Delta Grow	1.0
NK S49-Q9	NK Brand	1.0
DP4724RR	DPL	1.0
DP4933RR	DPL	1.0
HBK R4820	Hornbeck	1.5
HBK R4920	Hornbeck	1.0
HBK R4922	Hornbeck	1.0
XR48Y11 (E)	Garst	1.0
AP 4888RR	AgriPro	1.0
AG4902	Asgrow	1.0
Progeny 4703RR (E)	Progeny	6.0
Progeny 4884RR	Progeny	1.0
Progeny 4932RR	Progeny	1.0
PGY 4860RR (E)	Progeny	1.0
PGY 4949RR (E)	Progeny	1.0
ESXVT-17RR (E)	Eagle Seed	1.0
V49N3RR	Vigoro	1.0
Armor 47-G7	Armor	1.0
Armor 49-P9	Armor	1.0
FFR 4922RR	FFR	1.0
D484RR	Genesis	1.0
D491RR	Genesis	1.0
MorSoy RT4802	MorSoy	1.0
MorSoy RT4809	MorSoy	1.0
MorSoy RT4993 (E)	MorSoy	1.0
TVX47R1K2 (E)	Terral	4.0
TVX47R2P1 (E)	Terral	4.5
TVX48R1U1 (E)	Terral	4.0
TV4886RR	Terral	1.0
TV4890RR	Terral	1.0
TVX49R1L2 (E)	Terral	1.0
TVX49R2Z1 (E)	Terral	1.0
DK 4763RR	Delta King	2.0
DK XTJ402RR (E)	Delta King	1.0
DK XTJ447RR (E)	Delta King	1.0
DK4868RR	Delta King	1.0
DK XTJ450RR (E)	Delta King	1.0
NK S50-N3	NK Brand	1.0
DK 4967RR	Delta King	1.0
DK XTJ403RR (E)	Delta King	1.0
TVX49R2Y4 (E)	Terral	1.0
SG498RR	DPL	1.0

Table 102. Maturity Group V Early Roundup Ready Soybeans at Clarksdale, Coahoma County.

Variety	Brand	Late-Season Cercospora
95B42	Pioneer	4.3
95B43	Pioneer	2.7
DG SX03152 (E)	Dyna-Gro	4.7
DG 33B52	Dyna-Gro	2.0
DG 3535NRR	Dyna-Gro	3.7
DG 3562NRR	Dyna-Gro	3.0
SS RT5302N	Southern States	5.7
SS RT557N	Southern States	4.3
SS RT5602	Southern States	5.0
CavinessRR (E)	Public	5.0
MD92-5769RR (E)	Public	3.7
DG 5260RR	Delta Grow	2.3
DG 5460RR	Delta Grow	4.0
DG 5630RR	Delta Grow	4.3
DG 5650RR	Delta Grow	3.3
NK S52-U3	NK Brand	3.0
NK S56-D7	NK Brand	2.0
DP5414RR	DPL	2.0
DP5634RR	DPL	2.0
DP5644RR	DPL	3.7
HBK R5123	Hornbeck	2.3
HBK R5422	Hornbeck	5.7
HBK R5620	Hornbeck	3.0
S99-2447-02RR (E)	Public	2.3
XR57N20 (E)	Garst	3.0
5212RR/N	Garst	5.0
AG5302	Asgrow	5.0
AG5501	Asgrow	4.7
AG5605	Asgrow	4.7
DKB51-51	DEKALB	2.0
DKB53-51	DEKALB	3.0
Progeny 5250RR	Progeny	4.3
Progeny 5415RR	Progeny	4.7
PGY 5503RR (E)	Progeny	4.7
Progeny 5660RR	Progeny	3.3
USG 7524nRR (E)	USG	2.0
USG 540nRR	USG	4.3
USG 7547RR	USG	4.0
USG 7553nRR (E)	USG	4.7
USG 7562nRR	USG	3.3
USG 7563nRR (E)	USG	3.7
ESXVT-18RR (E)	Eagle Seed	3.0
ESXVT-19RR (E)	Eagle Seed	3.3
V562NRR	Vigoro	3.7
Armor 53-K3	Armor	3.3
Armor 56-J6	Armor	3.7
99VPI-67 (E)	Public	4.7
FFR 5225RR	FFR	5.3
FFR 5542RR	FFR	5.0
D524RR	Genesis	3.0
MorSoy RT5252	MorSoy	4.0
MorSoy RT5553 (E)	MorSoy	3.7
MorSoy RT5620	MorSoy	3.7
TV52R42	Terral	3.7
TV52R301 (E)	Terral	3.3
TV54R11	Terral	4.0
TV56R11	Terral	3.3
TVX56R1B2 (E)	Terral	2.7
TVX56R3K1 (E)	Terral	3.0
DK XTJ452RR (E)	Delta King	2.3
DK 5366RR	Delta King	4.7
DK XTJ404RR (E)	Delta King	5.0
DK 5465RR	Delta King	4.7
DK 5561RR	Delta King	4.3
DK XTJ405RR (E)	Delta King	4.3
DK 5661RR	Delta King	4.7
DK 5668RR	Delta King	3.0
AGSE-531 (E)	AgSouth	2.3
AXR 5313 (E)	Armor	2.3

Table 103. Maturity Group V Late Roundup Ready Soybeans at Clarksdale, Coahoma County.

Variety	Brand	Stem Canker	Late-Season Cercospora
95B96	Pioneer	1.0	3.0
DG 38K57	Dyna-Gro	1.0	3.0
DG SX03157 (E)	Dyna-Gro	6.0	2.7
DG 3583NRR	Dyna-Gro	1.0	4.7
SS RT5702	Southern States	1.0	2.7
SS RT5999	Southern States	1.3	5.3
DG5960RR	Delta Grow	1.3	4.3
NK S57-P1	NK Brand	7.0	2.3
DP 5806RR	DPL	2.0	2.7
DP 5915RR	DPL	2.3	2.0
DK XTJ407RR (E)	Delta King	1.3	4.7
HBK R5823	Hornbeck	1.3	2.3
HBK R6020	Hornbeck	2.3	2.0
5812RR/N	Garst	1.3	5.3
XR59N25 (E)	Garst	1.3	5.3
6112RR/N	Garst	1.0	2.3
AG5701	Asgrow	3.0	2.7
AG5903	Asgrow	1.0	3.0
PGY 5703RR (E)	Progeny	1.7	3.3
Progeny 5822RR	Progeny	1.0	5.3
USG 570nRR	USG	2.3	4.0
USG 7582nRR	USG	1.0	4.3
ESXVT-46RR (E)	Eagle Seed	1.0	7.0
ESXVT-34RR (E)	Eagle Seed	1.0	2.0
ESXVT-41RR (E)	Eagle Seed	1.0	2.0
AXR 5881 (E)	Armor	2.0	2.7
AXR 5981 (E)	Armor	1.0	4.7
99VPI-120 (E)	Public	1.0	3.7
FFR 5702RR	FFR	1.0	4.0
MorSoy RT5773 (E)	MorSoy	2.7	3.0
MorSoy RT5903 (E)	MorSoy	1.0	4.3
TV58R11	Terral	1.7	2.0
TVX58R1V2 (E)	Terral	1.0	2.7
TVX58R2W1 (E)	Terral	1.0	2.0
TV59R98	Terral	1.3	4.7
TVX59R2Q1 (E)	Terral	2.0	2.3
TVX59R301 (E)	Terral	1.0	5.0
TVX62R001	Terral	1.0	3.0
DK 5767RR	Delta King	2.7	3.0
DK XTJ406RR (E)	Delta King	2.3	4.0
DK XTJ457RR (E)	Delta King	1.0	3.0
DK XTJ4R58 (E)	Delta King	1.3	2.0
DK 5967RR	Delta King	1.0	4.3
TVX57R2M1 (E)	Terral	1.3	2.0
TVX57R301 (E)	Terral	3.0	3.3
AGSE-572 (E)	AgSouth	6.0	2.0
AGSE-587 (E)	AgSouth	1.0	2.0
AGSE-574 (E)	AgSouth	1.0	2.7

Table 104. Maturity Group IV Soybeans at Olive Branch, DeSoto County.

Variety	Brand	Frogeye Leaf Spot
R98-1817 (E)	Public	2.3
DP4748S	DPL	2.0
HBK 4944CX	Hornbeck	6.3
HBK 4992	Hornbeck	6.0
PGY 4910	Progeny	6.0
DT97-4290 (E)	Public	2.0
DT98-9102 (E)	Public	1.0
DT98-7278 (E)	Public	1.0
DT99-17400 (E)	Public	3.0

Table 105. Maturity Group V Early Soybeans at Olive Branch, DeSoto County.

Variety	Brand	Frogeye Leaf Spot
R97-1634 (E)	Public	1.0
Ozark	Public	1.0
DP5110S	DPL	1.3
DPX 5520S (E)	DPL	3.3
ANAND	Public	2.3
Delsoy 5500	Public	1.7
A5427	Asgrow	1.0
Progeny 5600	Progeny	3.7
USG 5002T (E)	USG	1.0
Armor 52-C2	Armor	3.3
Armor 56-C4	Armor	1.0
DT99-17483 (E)	Public	4.0
USG 5601T	USG	1.3
V96-0340 (E)	Public	4.0

Table 106. Maturity Group V Late Soybeans at Olive Branch, DeSoto County.

Variety	Brand	Frogeye Leaf Spot	Sudden Death Syndrome
95B97	Pioneer	1.7	1.7
9594	Pioneer	2.3	2.7
Lonoke	Public	3.3	1.0
HBK 5991	Hornbeck	3.3	1.0
HBK 5592	Hornbeck	3.3	2.7
DT98-11850 (E)	Public	2.0	1.0
DT99-17574 (E)	Public	3.7	2.0
ESX-RB5 (E)	Eagle Seed	2.7	1.0
DK5995	Delta King	1.0	1.0
Freedom	Public	1.0	1.7
Hutcheson	Public	2.0	2.7
Bolivar	Public	3.0	1.0
Desha	Public	2.7	3.0
XR98-209 (E)	Public	1.0	2.0

Table 107. Maturity Group IV Early Roundup Ready Soybeans at Olive Branch, DeSoto County.

Variety	Brand	Frogeye Leaf Spot
94B13	Pioneer	1.0
94M41	Pioneer	1.0
DG 3443NRR	Dyna-Gro	4.0
DG 3463NRR	Dyna-Gro	4.0
SS RT4502N	Southern States	4.7
NK S43-B1	NK Brand	3.3
DP4331RR	DPL	4.0
DPX4446RR (E)	DPL	1.0
DP4690RR	DPL	2.7
HBK R4623	Hornbeck	1.0
XR 46Y02 (E)	Garst	1.7
AG4201	Asgrow	3.0
AG4403	Asgrow	3.7
AG4502	Asgrow	3.0
AG4603	Asgrow	4.7
DKB44-51	DEKALB	3.7
DJB46-51	DEKALB	2.0
Progeny 4401RR	Progeny	4.3
USG 7440nRR	USG	4.3
Armor 44-R4	Armor	3.7
Armor 44-R5	Armor	1.0
D421RR	Genesis	1.0
C444RR	Genesis	4.0
MorSoy RT4480	MorSoy	4.0
TV4589RR	Terral	6.0
DK4461RR	Delta King	4.7
DK XTJ401RR (E)	Delta King	3.0

Table 108. Maturity Group IV Late Roundup Ready Soybeans at Olive Branch, DeSoto County.

Variety	Brand	Frogeye Leaf Spot	Stem Canker
94M70	Pioneer	4.7	1.0
94B73	Pioneer	1.0	1.0
DG3481NRR	Dyna-Gro	1.0	1.0
DG SX03149 (E)	Dyna-Gro	2.0	1.0
SS RT4902	Southern States	3.7	1.0
SS RT4980	Southern States	3.3	1.0
SS RT4930	Southern States	1.0	1.0
SS RT517N	Southern States	3.3	1.0
SS RT5001N	Southern States	3.7	1.0
DG 4860RR	Delta Grow	1.0	1.0
DG4950RR	Delta Grow	2.7	1.3
DG4960RR	Delta Grow	1.0	1.3
NK S49-Q9	NK Brand	3.0	1.0
DP4724RR	DPL	1.3	1.0
DP4933RR	DPL	4.7	1.0
HBK R4820	Hornbeck	5.3	2.0
HBK R4920	Hornbeck	3.0	1.0
HBK R4922	Hornbeck	4.0	1.7
XR48Y11 (E)	Garst	3.0	1.0
AP 4888RR	AgriPro	3.3	1.0
AG4902	Asgrow	3.0	1.0
Progeny 4703RR (E)	Progeny	1.3	4.7
Progeny 4884RR	Progeny	1.0	1.0
Progeny 4932RR	Progeny	4.0	1.0
PGY 4860RR (E)	Progeny	1.0	1.0
PGY 4949RR (E)	Progeny	1.0	1.0
ESXVT-17RR (E)	Eagle Seed	1.0	1.0
V49N3RR	Vigoro	1.0	1.0
Armor 47-G7	Armor	1.3	1.0
Armor 49-P9	Armor	1.7	1.0
FFR 4922RR	FFR	4.0	1.0
D484RR	Genesis	1.0	1.0
D491RR	Genesis	1.3	1.0
MorSoy RT4802	MorSoy	1.0	1.0
MorSoy RT4809	MorSoy	4.3	1.7
MorSoy RT4993 (E)	MorSoy	3.0	1.0
TVX47R1K2 (E)	Terral	4.3	6.0
TVX47R2P1 (E)	Terral	3.3	6.7
TVX48R1U1 (E)	Terral	4.7	5.0
TV4886RR	Terral	6.3	1.3
TV4890RR	Terral	4.0	1.7
TVX49R1L2 (E)	Terral	1.0	1.0
TVX49R2Z1 (E)	Terral	3.0	1.0
DK 4763RR	Delta King	2.3	1.0
DK XTJ402RR (E)	Delta King	1.0	1.0
DK XTJ447RR (E)	Delta King	3.0	1.0
DK4868RR	Delta King	4.3	2.0
DK XTJ450RR (E)	Delta King	1.0	1.0
NK S50-N3	NK Brand	3.3	1.0
DK 4967RR	Delta King	1.0	1.0
DK XTJ403RR (E)	Delta King	1.0	1.0
TVX49R2Y4 (E)	Terral	1.0	1.0
SG498RR	DPL	5.0	1.0

Table 109. Maturity Group V Early Roundup Ready Soybeans at Olive Branch, DeSoto County.

Variety	Brand	Frogeye Leaf Spot	Sudden Death Syndrome
95B42	Pioneer	2.3	3.3
95B43	Pioneer	2.3	2.3
DG SX03152 (E)	Dyna-Gro	3.7	6.3
DG 33B52	Dyna-Gro	1.0	3.0
DG 3535NRR	Dyna-Gro	1.0	2.3
DG 3562NRR	Dyna-Gro	1.0	2.7
SS RT5302N	Southern States	1.0	3.0
SS RT557N	Southern States	4.0	4.7
SS RT5602	Southern States	1.3	2.3
CavinessRR (E)	Public	3.7	5.3
MD92-5769RR (E)	Public	4.0	3.0
DG 5260RR	Delta Grow	1.0	3.0
DG 5460RR	Delta Grow	4.3	3.0
DG 5630RR	Delta Grow	1.0	2.7
DG 5650RR	Delta Grow	1.0	4.0
NK S52-U3	NK Brand	1.3	6.3
NK S56-D7	NK Brand	1.0	3.7
DP5414RR	DPL	1.0	1.3
DP5634RR	DPL	1.0	1.7
DP5644RR	DPL	1.0	2.3
HBK R5123	Hornbeck	4.3	5.0
HBK R5422	Hornbeck	1.0	3.7
HBK R5620	Hornbeck	1.0	1.7
S99-2447-02RR (E)	Public	2.3	2.7
XR57N20 (E)	Garst	1.0	2.7
5212RR/N	Garst	1.0	3.3
AG5302	Asgrow	2.0	2.7
AG5501	Asgrow	1.7	2.0
AG5605	Asgrow	3.3	3.0
DKB51-51	DEKALB	1.0	1.3
DKB53-51	DEKALB	1.0	1.3
Progeny 5250RR	Progeny	1.0	2.3
Progeny 5415RR	Progeny	2.7	2.3
PGY 5503RR (E)	Progeny	4.7	2.3
Progeny 5660RR	Progeny	1.0	1.3
USG 7524nRR (E)	USG	2.7	5.0
USG 540nRR	USG	3.0	2.0
USG 7547RR	USG	1.7	4.0
USG 7553nRR (E)	USG	4.0	2.3
USG 7562nRR	USG	1.0	2.3
USG 7563nRR (E)	USG	1.0	3.3
ESXVT-18RR (E)	Eagle Seed	5.0	3.7
ESXVT-19RR (E)	Eagle Seed	2.3	4.0
V562NRR	Vigoro	1.0	5.0
Armor 53-K3	Armor	3.0	5.0
Armor 56-J6	Armor	1.0	2.3
99VPI-67 (E)	Public	1.3	1.7
FFR 5225RR	FFR	1.0	1.3
FFR 5542RR	FFR	1.0	4.3
D524RR	Genesis	1.0	1.3
MorSoy RT5252	MorSoy	1.3	1.7
MorSoy RT5553 (E)	MorSoy	1.7	1.0
MorSoy RT5620	MorSoy	1.0	2.3
TV52R42	Terral	2.3	1.3
TV52R301 (E)	Terral	1.3	1.3
TV54R11	Terral	2.3	1.7
TV56R11	Terral	1.0	3.3
TVX56R1B2 (E)	Terral	4.3	2.0
TVX56R3K1 (E)	Terral	4.7	1.0
DK XTJ452RR (E)	Delta King	1.0	5.0
DK 5366RR	Delta King	1.0	2.3
DK XTJ404RR (E)	Delta King	1.0	1.3
DK 5465RR	Delta King	2.7	2.3
DK 5561RR	Delta King	5.3	3.3
DK XTJ405RR (E)	Delta King	5.3	3.3
DK 5661RR	Delta King	1.3	1.3
DK 5668RR	Delta King	1.0	2.0
AGSE-531 (E)	AgSouth	1.0	1.0
AXR 5313 (E)	Armor	1.0	4.0

Table 110. Maturity Group V Late Roundup Ready Soybeans at Olive Branch, DeSoto County.

Variety	Brand	Sudden Death Syndrome
95B96	Pioneer	3.0
DG 38K57	Dyna-Gro	2.3
DG SX01357 (E)	Dyna-Gro	4.0
DG 3583NRR	Dyna-Gro	3.0
SS RT5702	Southern States	2.7
SS RT5999	Southern States	2.3
DG 5960RR	Delta Grow	4.3
NK S57-P1	NK Brand	1.7
DP 5806RR	DPL	2.3
DP 5915RR	DPL	1.3
DK XTJ407RR (E)	Delta King	7.0
HBK R5823	Hornbeck	1.3
HBK R6020	Hornbeck	1.7
5812RR/N	Garst	2.7
XR59N25 (E)	Garst	1.7
6112RR/N	Garst	1.0
AG5701	Asgrow	1.3
AG5903	Asgrow	3.3
PGY 5703RR (E)	Progeny	2.3
Progeny 5822RR	Progeny	6.0
USG 570nRR	USG	2.3
USG 7582nRR	USG	4.7
ESXVT-46RR (E)	Eagle Seed	1.7
ESXVT-34RR (E)	Eagle Seed	3.3
ESXVT-41RR (E)	Eagle Seed	3.0
AXR 5881 (E)	Armor	1.0
AXR 5981 (E)	Armor	3.7
99VPI-120 (E)	Public	1.3
FFR 5702RR	FFR	2.3
MorSoy RT5773 (E)	MorSoy	2.7
MorSoy RT5903 (E)	MorSoy	4.3
TV58R11	Terral	1.7
TVX58R1V2 (E)	Terral	2.0
TVX58R2W1 (E)	Terral	4.0
TV59R98	Terral	3.0
TVX59R2Q1 (E)	Terral	2.3
TVX59R301 (E)	Terral	5.0
TVX62R001	Terral	1.3
DK 5767RR	Delta King	2.7
DK XTJ406RR (E)	Delta King	2.0
DK XTJ457RR (E)	Delta King	2.3
DK XTJ4R58 (E)	Delta King	1.0
DK5967RR	Delta King	4.7
TVX57R2M1 (E)	Terral	1.0
TVX57R301 (E)	Terral	1.7
AGSE-572 (E)	AgSouth	2.3
AGSE-587 (E)	AgSouth	1.0
AGSE-574 (E)	AgSouth	1.3

Table 111. Maturity Group V Late Roundup Ready Soybeans at Ballground Plantation, Warren County.

Variety	Brand	Sudden Death Syndrome
95B96	Pioneer	2.5
DG 38K57	Dyna-Gro	2.0
DG SX01357 (E)	Dyna-Gro	5.0
DG 3583NRR	Dyna-Gro	1.5
SS RT5702	Southern States	1.0
SS RT5999	Southern States	1.0
DG 5960RR	Delta Grow	4.0
NK S57-P1	NK Brand	3.0
DP 5806RR	DPL	1.5
DP 5915RR	DPL	1.0
DK XTJ407RR (E)	Delta King	1.5
HBK R5823	Hornbeck	1.0
HBK R6020	Hornbeck	1.0
5812RR/N	Garst	1.5
XR59N25 (E)	Garst	1.5
6112RR/N	Garst	1.0
AG5701	Asgrow	1.0
AG5903	Asgrow	5.0
PGY 5703RR (E)	Progeny	3.5
Progeny 5822RR	Progeny	2.0
USG 570nRR	USG	1.0
USG 7582nRR	USG	1.0
ESXVT-46RR (E)	Eagle Seed	1.0
ESXVT-34RR (E)	Eagle Seed	3.5
ESXVT-41RR (E)	Eagle Seed	1.0
AXR 5881 (E)	Armor	1.5
AXR 5981 (E)	Armor	1.5
99VPI-120 (E)	Public	2.0
FFR 5702RR	FFR	1.0
MorSoy RT5773 (E)	MorSoy	3.0
MorSoy RT5903 (E)	MorSoy	3.0
TV58R11	Terral	1.5
TVX58R1V2 (E)	Terral	2.5
TVX58R2W1 (E)	Terral	4.5
TV59R98	Terral	2.5
TVX59R2Q1 (E)	Terral	2.5
TVX59R301 (E)	Terral	1.0
TVX62R001	Terral	1.5
DK 5767RR	Delta King	5.0
DK XTJ406RR (E)	Delta King	3.0
DK XTJ457RR (E)	Delta King	1.0
DK XTJ4R58 (E)	Delta King	1.0
DK5967RR	Delta King	3.0
TVX57R2M1 (E)	Terral	5.0
TVX57R301 (E)	Terral	3.5
AGSE-572 (E)	AgSouth	2.5
AGSE-587 (E)	AgSouth	3.0
AGSE-574 (E)	AgSouth	1.0

Table 112. Maturity Group IV Soybeans at Longwood, Washington County.

Variety	Brand	Bacterial Blight
R98-1817 (E)	Public	3.0
DP4748S	DPL	2.0
HBK 4944CX	Hornbeck	1.0
HBK 4992	Hornbeck	1.3
PGY 4910	Progeny	1.3
DT97-4290 (E)	Public	3.0
DT98-9102 (E)	Public	1.3
DT98-7278 (E)	Public	2.3
DT99-17400 (E)	Public	2.7

Table 113. Maturity Group V Early Soybeans at Longwood, Washington County.

Variety	Brand	Bacterial Blight
R97-1634 (E)	Public	2.7
Ozark	Public	3.7
DP5110S	DPL	1.3
DPX 5520S (E)	DPL	1.3
ANAND	Public	3.0
Delsoy 5500	Public	3.0
A5437	Asgrow	2.0
Progeny 5600	Progeny	3.7
USG 5002T (E)	USG	3.7
Armor 52-C2	Armor	2.0
Armor 56-C4	Armor	3.3
DT99-17483 (E)	Public	3.7
USG 5601T	USG	4.0
V96-0340 (E)	Public	4.7

Table 114. Maturity Group V Late Soybeans at Longwood, Washington County.

Variety	Brand	Bacterial Blight
95B97	Pioneer	3.3
9594	Pioneer	2.0
Lonoke	Public	2.0
HBK 5991	Hornbeck	2.7
HBK 5592	Hornbeck	2.7
DT98-11850 (E)	Public	3.7
DT99-17574 (E)	Public	3.3
ESX-RB5 (E)	Eagle Seed	3.3
DK5995	Delta King	3.0
Freedom	Public	3.3
Hutcheson	Public	4.7
Bolivar	Public	3.0
Desha	Public	4.3
XR98-209 (E)	Public	2.3

Table 115. Maturity Group IV Early Roundup Ready Soybeans at Longwood, Washington County.

Variety	Brand	Bacterial Blight
94B13	Pioneer	3.0
94M41	Pioneer	2.0
DG 3443NRR	Dyna-Gro	1.3
DG 3463NRR	Dyna-Gro	2.0
SS RT4502N	Southern States	2.7
NK S43-B1	NK Brand	1.0
DP4331RR	DPL	2.0
DPX4446RR (E)	DPL	1.0
DP4690RR	DPL	1.3
HBK R4623	Hornbeck	2.0
XR 46Y02 (E)	Garst	3.7
AG4201	Asgrow	1.7
AG4403	Asgrow	1.7
AG4502	Asgrow	1.0
AG4603	Asgrow	1.7
DKB44-51	DEKALB	1.7
DJB46-51	DEKALB	2.7
Progeny 4401RR	Progeny	1.3
USG 7440nRR	USG	2.3
Armor 44-R4	Armor	1.3
Armor 44-R5	Armor	4.3
D421RR	Genesis	4.0
C444RR	Genesis	1.0
MorSoy RT4480	MorSoy	1.3
TV4589RR	Terral	2.7
DK4461RR	Delta King	2.0
DK XTJ401RR (E)	Delta King	2.3

Table 116. Maturity Group IV Late Roundup Ready Soybeans at Longwood, Washington County.

Variety	Brand	Bacterial Blight
94M70	Pioneer	2.0
94B73	Pioneer	1.3
DG3481NRR	Dyna-Gro	3.3
DG SX03149 (E)	Dyna-Gro	1.7
SS RT4902	Southern States	2.7
SS RT4980	Southern States	1.0
SS RT4930	Southern States	2.3
SS RT517N	Southern States	2.3
SS RT5001N	Southern States	1.7
DG 4860RR	Delta Grow	3.0
DG 4950RR	Delta Grow	1.3
DG 4960RR	Delta Grow	2.7
NK S49-Q9	NK Brand	2.3
DP4724RR	DPL	2.7
DP4933RR	DPL	2.0
HBK R4820	Hornbeck	1.0
HBK R4920	Hornbeck	1.7
HBK R4922	Hornbeck	2.7
XR48Y11 (E)	Garst	1.0
AP 4888RR	AgriPro	1.3
AG4902	Asgrow	2.3
Progeny 4703RR (E)	Progeny	2.3
Progeny 4884RR	Progeny	3.0
Progeny 4932RR	Progeny	2.0
PGY 4860RR (E)	Progeny	3.3
PGY 4949RR (E)	Progeny	1.3
ESXVT-17RR (E)	Eagle Seed	2.0
V49N3RR	Vigoro	4.0
Armor 47-G7	Armor	2.3
Armor 49-P9	Armor	2.0
FFR 4922RR	FFR	2.7
D484RR	Genesis	2.7
D491RR	Genesis	2.3
MorSoy RT4802	MorSoy	3.3
MorSoy RT4809	MorSoy	1.0
MorSoy RT4993 (E)	MorSoy	2.0
TVX47R1K2 (E)	Terral	1.7
TVX47R2P1 (E)	Terral	1.7
TVX48R1U1 (E)	Terral	1.3
TV4886RR	Terral	1.3
TV4890RR	Terral	2.0
TVX49R1L2 (E)	Terral	3.0
TVX49R2Z1 (E)	Terral	2.7
DK 4763RR	Delta King	2.3
DK XTJ402RR (E)	Delta King	2.0
DK XTJ447RR (E)	Delta King	1.7
DK4868RR	Delta King	1.0
DK XTJ450RR (E)	Delta King	2.7
NK S50-N3	NK Brand	2.3
DK 4967RR	Delta King	3.0
DK XTJ403RR (E)	Delta King	3.0
TVX49R2Y4 (E)	Terral	2.3
SG498RR	DPL	1.3

Table 117. Maturity Group V Late Roundup Ready Soybeans at Longwood, Washington County.

Variety	Brand	Bacterial Blight
95B96	Pioneer	1.3
DG 38K57	Dyna-Gro	1.7
DG SX01357 (E)	Dyna-Gro	1.3
DG 3583NRR	Dyna-Gro	1.3
SS RT5702	Southern States	1.0
SS RT5999	Southern States	1.0
DG 5960RR	Delta Grow	1.3
NK S57-P1	NK Brand	2.0
DP 5806RR	DPL	2.0
DP 5915RR	DPL	3.3
DK XTJ407RR (E)	Delta King	1.7
HBK R5823	Hornbeck	2.7
HBK R6020	Hornbeck	1.7
5812RR/N	Garst	1.3
XR59N25 (E)	Garst	1.0
6112RR/N	Garst	1.0
AG5701	Asgrow	1.3
AG5903	Asgrow	1.3
PGY 5703RR (E)	Progeny	1.3
Progeny 5822RR	Progeny	1.7
USG 570nRR	USG	1.0
USG 7582nRR	USG	1.7
ESXVT-46RR (E)	Eagle Seed	5.0
ESXVT-34RR (E)	Eagle Seed	3.7
ESXVT-41RR (E)	Eagle Seed	3.7
AXR 5881 (E)	Armor	1.3
AXR 5981 (E)	Armor	1.7
99VPI-120 (E)	Public	4.7
FFR 5702RR	FFR	1.0
MorSoy RT5773 (E)	MorSoy	1.3
MorSoy RT5903 (E)	MorSoy	1.7
TV58R11	Terral	1.3
TVX58R1V2 (E)	Terral	1.3
TVX58R2W1 (E)	Terral	1.0
TV59R98	Terral	1.0
TVX59R2Q1 (E)	Terral	2.3
TVX59R301 (E)	Terral	1.3
TVX62R001	Terral	1.3
DK 5767RR	Delta King	1.0
DK XTJ406RR (E)	Delta King	1.3
DK XTJ457RR (E)	Delta King	3.3
DK XTJ4R58 (E)	Delta King	2.0
DK5967RR	Delta King	1.7
TVX57R2M1 (E)	Terral	2.3
TVX57R301 (E)	Terral	1.3
AGSE-572 (E)	AgSouth	1.7
AGSE-587 (E)	AgSouth	1.7
AGSE-574 (E)	AgSouth	3.7

Public Varieties Entered

Arkansas Agricultural Experiment Station

Lonoke (was R95-2210)
Desha (was R92-1258)
Ozark (was R96-209)
R98-1817 (Exp.)
R97-1634 (Exp.)
CavinessRR (Exp.)
Md92-5769RR (Exp.)
XR98-209 (Exp.)

University of Missouri

S99-2447-02RR (Exp.)
ANAND
Delsoy 5500

USDA Agricultural Research Service

Bolivar
Freedom (was DT96-6840)
DT97-4290 (Exp.)
DT98-7278 (Exp.)
DT98-9102 (Exp.)
DT98-11850 (Exp.)
DT99-17400 (Exp.)
DT99-17483 (Exp.)
DT99-17574 (Exp.)

Virginia Agricultural Experiment Station

Hutcheson
99VPI-67 (Exp.)
99VPI-120 (Exp.)
V96-0340 (Exp.)

Commercial Varieties Entered

AgSouth Genetics LLC 136 Red Oak Ave. Albany, GA 31721	AGSE-531 (Exp.) AGSE-572 (Exp.)	AGSE-587 (Exp.) AGSE-574 (Exp.)
Armor Seed Company P.O. Box 178 Fisher, AR 72429	Armor 39-E9 Armor 44-R4 Armor 44-R5 Armor 47-G7 Armor 52-C2 Armor 53-K3	Armor 56-C4 Armor 56-J6 Armor 49-P9 Armor AXR 5313 (Exp.) Armor AXR 5881 (Exp.) Armor AXR 5981 (Exp.)
Cache River Valley Dev. Corp. P.O. Box 10 - Hwy. 226 Cash, AR 72421	MorSoy RT4480 MorSoy RT4802 MorSoy RT4809 MorSoy RT4993 (Exp.) MorSoy RT5252	MorSoy RT5553 (Exp.) MorSoy RT5620 MorSoy RT5773 (Exp.) MorSoy RT5903 (Exp.)
Delta and Pine Land Co. 7265 Hwy. 9 South Centre, AL 35960	DP3861RR (was DPX3761RR) DPX3940RR (Exp.) DP4331RR (was DPX4431RR) DPX4446RR (Exp.) DP4690RR DP4724RR (was DPX4824RR) DP4748S DP4933RR (was DPX4933RR) DPX3932RR (Exp.)	DP5110S DP5414RR DP5634RR (was DPX5734RR) DP5644RR DP5806RR DP5915RR DPX5520S (Exp.) SG498RR
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 4860RR Delta Grow 4950RR Delta Grow 4960RR Delta Grow 5260RR	Delta Grow 5460RR Delta Grow 5630RR Delta Grow 5650RR Delta Grow 5960RR
Delta King Seed Company 522 Poplar Ave. McCrory, AR 72101	DK3961RR DK3968RR DK4461RR DK4763RR DK4868RR DK5366RR DK5465RR DK5661RR DK5668RR DK5995 DK XTJ401RR (Exp.) DK XTJ402RR (Exp.) DK XTJ403RR (Exp.) DK XTJ404RR (Exp.)	DK4967RR (was DK XTJ048RR) DK5561RR (was DK XTJ053RR) DK5767RR (was DK XTJ057RR) DK5967RR (was DK XTJ059RR) DK XTJ405RR (Exp.) DK XTJ406RR (Exp.) DK XTJ407RR (Exp.) DK XTJ439RR (Exp.) DK XTJ447RR (Exp.) DK XTJ450RR (Exp.) DK XTJ452RR (Exp.) DK XTJ457RR (Exp.) DK XTJ4R58RR (Exp.)
Eagle Seed Company P.O. Box 308 Weiner, AR 72479	ES XVT-17RR (Exp.) ES XVT-18RR (Exp.) ES XVT-19RR (Exp.) ES XVT-34RR (Exp.)	ES XVT-41RR (Exp.) ES XVT-46RR (Exp.) ESX-RB5 (Exp.)
FFR Seed 969 Cloverleaf Drive Southaven, MS 38671	FFR 4922RR FFR 5225RR	FFR 5542RR FFR 5702RR
Garst Seed Company 761 Walnut Knoll Lane, Suite 200 Memphis, TN 38018	AgriPro 4888RR Garst XR46Y02 (Exp.) Garst XR48Y11 (Exp.) Garst 5212RR/N	Garst XR57N20 (Exp.) Garst 5812RR/N (was XR59N24) Garst XR59N25 (Exp.) Garst 6112RR/N
Genesis Brand Seed P.O. Box 21085 Lansing, MI 48909	Genesis C444RR Genesis D421RR Genesis D484RR	Genesis D491RR Genesis D524RR
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK 4944CX HBK 4992 HBK 5592 HBK 5991 HBK R4623 HBK R4820 HBK R4920	HBK R4922 HBK R5123 HBK R5422 HBK R5620 HBK R5823 HBK R6020

Monsanto Company 3100 Sycamore Rd. DeKalb, IL 60115	Asgrow A5427 Asgrow AG3702 Asgrow AG3903 Asgrow AG3905 Asgrow AG4201 Asgrow AG4403 Asgrow AG4502 Asgrow AG4603 Asgrow AG4902	Asgrow AG5301 Asgrow AG5501 Asgrow AG5605 Asgrow AG5701 Asgrow AG5903 DEKALB DKB44-51 DEKALB DKB46-51 DEKALB DKB51-51 DEKALB DKB53-51
Pioneer, A Dupont Co. 6767 Old Madison Pike Suite 110 Huntsville, AL 35806	Pioneer variety 93B67 Pioneer variety 93M90 Pioneer variety 94B13 Pioneer variety 94B73 Pioneer variety 94M41 Pioneer variety 94M70	Pioneer variety 95B42 Pioneer variety 95B43 Pioneer variety 9594 Pioneer variety 95B96 Pioneer variety 95B97
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny PGY 3900RR (Exp.) Progeny 4401RR Progeny PGY 4703RR (Exp.) Progeny 4884RR Progeny 4910 Progeny 4932RR Progeny PGY 4860RR (Exp.) Progeny PGY 4949RR (Exp.)	Progeny 5250RR Progeny 5415RR Progeny PGY 5503RR (Exp.) Progeny 5600 Progeny 5660RR Progeny PGY 5703RR (Exp.) Progeny 5822RR
Royster-Clark 717 Robinson Rd. Washington C.H., OH 43160	Vigoro V49N3RR Vigoro V562NRR	
Southern States Coop P.O. Box 26234 Richmond, VA 23260	SS RT4502N SS RT4902 SS RT4930 SS RT4980 SS RT517N SS RT 557N	SS RT5001N SS RT5302N SS RT5602 SS RT5702 SS RT 5999
Syngenta Seed 100 Sangria Drive Hattiesburg MS 39402	NK S39-Q4 NK S52-U3 NK S56-D7 NK S57-P1	NK S43-B1 NK S49-Q9 (was X248R) NK S50-N3
Terral Seed Inc. 905 Broadway Ext. N Greenville, MS 38703	TVX37R301 (Exp.) TVX39R306 (Exp.)	TVX39R307 (Exp.) TVX40R301(Exp.)
Terral Seed Company P.O. Box 826 Lake Providence, LA 71254	TVX39R302 (Exp.) TVX39RS301 (Exp.) TV4589RR TVX47R1K2 (Exp.) TVX47R2P1 (Exp.) TVX48R1U1 (Exp.) TV4886RR TV4890RR TVX49R1L2 (Exp. TVX49R2Z1 (Exp.) TVX49R2Y4 (Exp.) TV52R42 TV52R301 (Exp.)	TV54R11 TV56R11 TVX56R1B2 (Exp.) TVX56R3K1 (Exp.) TVX57R2M1 (Exp.) TVX57R301 (Exp.) TV58R11 TVX58R1V2 (Exp.) TVX58R2W1 (Exp.) TV59R98 TVX59R2Q1 (Exp.) TVX59R301 (Exp.) TVX62R001
UAP Mid South 57 Germantown Court Suite 200 Cordova, TN 38018	Dyna-Gro 3443NRR Dyna-Gro 3463NRR Dyna-Gro 3481NRR Dyna-Gro 33B52 Dyna-Gro 3535NRR Dyna-Gro 3562NRR	Dyna-Gro 3583NRR Dyna-Gro 38K57 Dyna-Gro SX03149 (Exp.) Dyna-Gro SX03152 (Exp.) Dyna-Gro SX03157 (Exp.)
UniSouth Genetics 2640-C Nolensville Rd. Nashville, TN 37211	USG 540nRR USG 570nRR USG 5002T (Exp.) USG 5601T USG 7440nRR USG 7524nRR (Exp.)	USG 7547RR USG 7553nRR (Exp.) USG 7562nRR USG 7563nRR (Exp.) USG 7582nRR

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