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MISSISSIPPI SOYBEAN

VARIETY TRIALS, 2005

Mississippi Agricultural and Forestry Experiment Station Vance H. Watson, Director

Mississippi State University Extension Service

NOTICE TO USER

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

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 79-82 is gratefully acknowledged.

Trade names of commercial products used in this report are included only for clarity and understanding. All available names (i.e., trade names, code numbers, chemical names, etc.) of varieties or products used in this research project are listed on pages 79-82.

Mississippi Soybean Variety Trials, 2005

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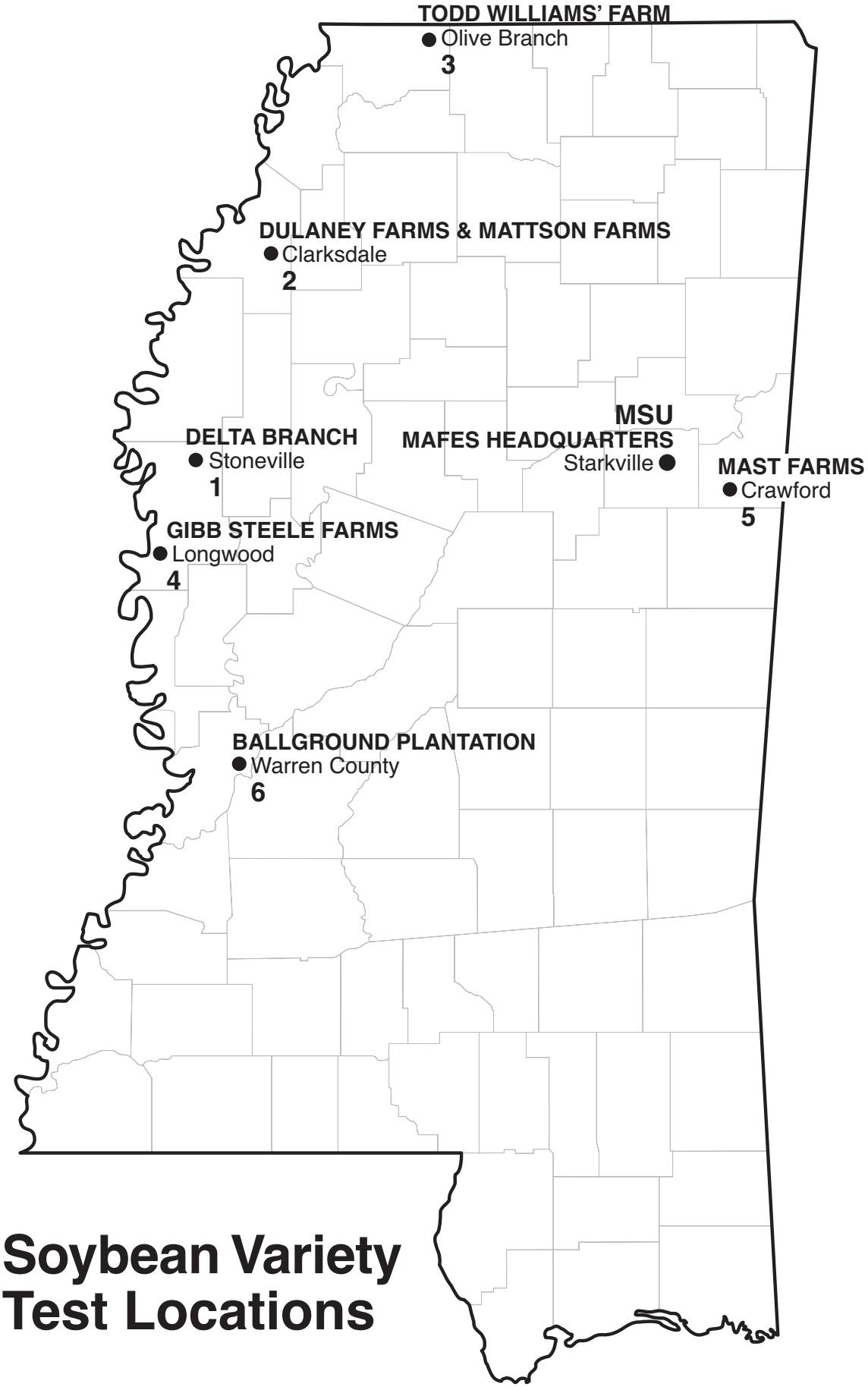

Soybean Variety Test Locations

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Introduction

Procedures

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

Soybean variety trials were conducted at six locations in 2005 (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 for 30-inch plots and six seeds per foot for 18-inch plots. Plots were planted with a cone planter. Irrigated plots had four rows that were 30 inches wide, and nonirrigated plots had three rows that were 18 inches wide. 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 each plot. 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 81 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 Cooperative Extension Service offers a disease diagnostic service and nematode analysis free of charge.

(2) Use Tables 74 to 81 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 consistently 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 III, IV, and V 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 66 to 73 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 66 to 73, 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	USG5601T
Group V Late	USG5601T	–

Roundup Ready Test

Maturity Group	Early Check	Late Check
Group IV Early	–	DP4546
Group IV Late	DP4546	P94M80
Group V Early	P94M80	DP5915
Group V Late	DP5915	–

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 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DP4748S	DPL	63.8	56.3	61.5	60.5	44.9	58.6	51.8		57.0
Progeny 4910	Progeny	72.1	81.6	60.5	71.4	44.4	63.4	53.9		64.4
DT98-7278 (E)	Public	54.8	59.0	63.3	59.0	33.6	48.8	41.2		51.9
DT99-17400 (E)	Public	60.0	50.4	60.0	56.8	40.3	59.5	49.9		54.1
S00-9925-10 (E)	Public	68.0	63.3	62.9	64.8	51.9	63.5	57.8		62.0
UA4805 (E)	Public	61.9	59.4	63.1	61.5	39.3	54.5	46.9		55.7
Overall Mean		63.4	61.7	61.9	52.3	42.4	58.1	50.2		57.5
LSD (.10)		14.0	14.5	7.1	6.7	10.6	6.3	5.9		4.6
Error degrees of freedom		10	10	10	30	10	10	20		50
CV (%)		15.0	15.9	7.7	13.4	16.8	7.4	11.7		13.0
R^2(%)		39	69	17	57	58	75	83		77

[1](E) = Experimental.

Table 2. Summary of Yields for Maturity Group V Early for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DP5110S	DPL	70.8	78.2	61.1	70.1	36.7	54.6	45.7		60.3
HBK C5025	Hornbeck	64.0	78.8	52.6	65.1	30.1	52.7	41.4		55.6
USG 5002T	USG	63.4	68.4	64.3	65.3	30.9	58.0	44.5		57.0
USG 5601T	USG	64.8	72.3	62.0	66.3	31.7	61.6	46.7		58.5
DB01-080 (E)	Public	54.0	72.5	58.0	61.5	29.5	47.5	38.5		52.3
DB01-4249 (E)	Public	40.5	46.8	52.3	46.6	23.7	39.2	31.5		40.5
DB01-5463 (E)	Public	53.6	72.0	56.8	60.8	37.2	45.3	41.2		53.0
Ozark	Public	54.7	61.4	58.1	58.0	32.4	58.6	45.5		53.0
S00-9970-09 (E)	Public	66.2	72.0	57.5	65.2	44.9	61.2	53.0		60.4
Teejay	Public	62.4	71.6	66.6	66.9	31.5	59.0	45.2		58.2
Overall Mean		59.4	69.4	58.9	62.6	32.9	53.8	43.3		54.9
LSD (.10)		12.3	9.7	6.5	5.4	4.4	9.0	4.9		3.8
Error degrees of freedom		18	18	18	54	18	18	36		90
CV (%)		14.6	9.9	7.8	11.0	9.4	11.9	11.6		11.3
R^2(%)		61	75	62	74	87	69	91		90

[1](E) = Experimental.

Table 3. Summary of Yields for Maturity Group V Late for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK 5870	Delta King	56.3	75.6	51.4	61.1	41.8	65.0	53.4		58.0
DK 5995	Delta King	64.7	70.8	46.6	60.7	30.8	59.7	45.2		54.5
HBK C5894	Hornbeck	50.7	79.8	49.2	59.9	40.6	53.2	46.9		54.7
Progeny 5770	Progeny	59.4	74.4	61.4	65.1	34.3	55.3	44.8		57.0
Freedom	Public	48.9	63.7	51.4	54.7	22.1	42.5	32.3		45.7
Hutcheson	Public	53.8	65.9	48.9	56.2	26.0	50.4	38.2		49.0
R97-1634 (E)	Public	60.9	75.1	53.6	63.2	27.1	58.6	42.8		55.0
R98-209	Public	59.3	68.6	34.6	54.2	22.1	36.7	29.4		44.3
Overall Mean		56.7	71.8	49.6	59.4	30.6	52.7	41.6		52.3
LSD (.10)		15.5	7.6	10.3	6.4	6.8	6.6	4.6		4.2
Error degrees of freedom		14	14	14	42	14	14	28		70
CV (%)		19.0	7.4	14.4	13.6	15.6	8.8	11.2		13.2
R^2(%)		38	63	68	77	80	86	94		89

[1](E) = Experimental.

Table 4. Summary of Yields for Maturity Group III Roundup Ready for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Stoneville Nonirr.	Delta avg.	Olive Branch	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AV38T7	AgVenture	52.1	24.7	38.4	49.9	42.2
Armor GPX 3930 (E)	Armor	45.8	17.1	31.5	52.6	38.5
AG3802	Asgrow	45.7	26.1	35.9	46.4	39.4
AG3905	Asgrow	47.9	29.2	38.5	43.5	40.2
AG3906	Asgrow	46.3	23.2	34.7	49.3	39.6
DG3950RR	Delta Grow	46.8	22.6	34.7	37.3	35.6
DK3964	Delta King	44.2	30.5	37.3	38.1	37.6
DK3968	Delta King	50.7	12.7	31.7	51.6	38.3
DK XTJ635 (E)	Delta King	35.9	12.3	24.2	31.4	26.6
DK XTJ638 (E)	Delta King	45.0	18.3	31.7	42.4	35.2
DK3967	Delta King	44.7	17.9	31.3	46.7	36.4
DP3861RR	DPL	44.3	20.9	32.6	47.5	37.6
DG 31J39	Dyna-Gro	56.0	23.2	39.6	42.8	40.7
DG 3373	Dyna-Gro	43.5	19.5	31.5	51.9	38.3
DG 3392	Dyna-Gro	44.7	16.5	30.6	41.8	34.3
DG 33A37	Dyna-Gro	45.1	20.8	32.9	43.0	36.3
DG37R39	Dyna-Gro	42.8	23.2	33.0	45.8	37.3
Garst 3960RR/N	Garst	42.0	19.5	30.8	52.0	37.8
RT 3883N	MorSoy	52.4	27.6	40.0	43.2	41.1
NK S39-K6	NK Brand	46.3	19.9	33.1	40.9	35.7
93M90	Pioneer	47.1	21.7	34.4	38.2	35.6
Progeny 3900RR	Progeny	49.5	23.4	36.5	42.3	38.4
Progeny 3805RR	Progeny	44.9	22.4	33.7	43.5	36.9
Progeny 3905RR	Progeny	45.3	19.0	32.2	44.6	36.3
TV39RS31	Terral	48.0	22.2	35.1	41.5	37.2
Overall Mean		46.3	21.4	33.8	44.3	37.3
LSD (.10)		5.5	6.0	4.0	7.4	3.6
Error degrees of freedom		48	48	96	48	144
CV (%)		8.7	20.4	12.4	12.2	12.4
R^2(%)		64	62	94	63	92

[1](E) = Experimental.

Table 5. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	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*		*bu/A*
AV46J5NRR	AgVenture	50.5	61.2	58.5	63.4	23.6	51.4	62.6	55.4	59.0		53.6
AV42D1	AgVenture	52.8	63.2	64.1	56.7	25.2	52.4	54.3	51.7	53.0		52.6
AV44D4	AgVenture	59.8	76.5	59.9	63.6	31.6	58.3	58.3	57.0	57.7		58.1
Armor 42-B2	Armor	54.4	59.9	60.3	59.9	28.9	52.7	50.0	44.0	47.0		51.0
Armor 44-R4	Armor	53.7	61.8	61.9	65.3	22.6	53.1	52.2	53.0	52.6		52.9
Armor GP-422	Armor	63.6	73.8	53.6	62.9	27.7	56.3	49.4	58.9	54.2		55.7
GP-454	Armor	52.9	71.6	72.3	74.4	30.9	60.4	55.8	69.8	62.8		61.1
AG4201	Asgrow	50.6	60.6	65.0	62.0	20.7	51.8	55.3	53.7	54.5		52.6
AG4403	Asgrow	57.4	61.5	60.9	61.6	29.4	54.2	56.9	61.9	59.4		55.7
AG4404	Asgrow	47.3	63.5	57.4	60.5	26.0	50.9	57.7	53.9	55.8		52.3
AG4503	Asgrow	43.0	68.5	60.2	63.4	28.8	52.8	51.4	56.7	54.0		53.1
AG4703	Asgrow	49.0	72.6	70.0	63.6	29.6	57.0	56.6	66.5	61.6		58.3
RC4095	Croplan Genetics	44.0	58.8	54.7	55.0	22.8	47.1	53.0	42.7	47.9		47.3
RC4455	Croplan Genetics	56.4	73.6	64.7	60.0	27.4	56.4	60.4	59.2	59.8		57.4
RC4655	Croplan Genetics	43.6	72.4	57.4	55.0	27.4	51.2	39.7	58.5	49.1		50.6
DKB42-51	DEKALB	41.6	57.2	66.3	60.1	20.1	49.0	54.2	48.5	51.4		49.7
DKB44-51	DEKALB	51.8	62.3	63.1	63.7	26.1	53.4	56.8	66.1	61.5		55.7
DKB46-51	DEKALB	52.1	68.0	63.9	61.5	32.5	55.6	56.9	59.3	58.1		56.3
DG4150RR	Delta Grow	60.2	60.0	61.1	65.8	29.8	55.4	61.8	60.8	61.3		57.1
DG4250RR	Delta Grow	49.8	71.6	63.2	62.1	25.1	54.4	51.9	59.6	55.8		54.8
DG4460RR	Delta Grow	65.8	68.2	57.9	64.5	29.5	57.2	60.0	72.4	66.2		59.8
DG4660RR	Delta Grow	52.0	72.5	71.4	72.2	30.9	59.8	57.0	64.2	60.6		60.0
DK4566	Delta King	53.3	61.5	58.6	54.3	26.2	50.8	48.6	55.0	51.8		51.1
DK4461	Delta King	44.2	70.3	60.9	68.1	25.7	53.9	53.6	61.8	57.7		55.0
DK4661	Delta King	44.3	68.0	63.7	56.5	25.3	51.6	36.9	57.9	47.4		50.4
DK XTJ601 (E)	Delta King	54.4	64.4	64.5	59.0	28.0	54.0	50.6	60.7	55.6		54.5
DK XTJ640 (E)	Delta King	60.3	60.9	63.6	65.6	30.1	56.1	61.7	53.6	57.6		56.5
DK4667	Delta King	57.9	78.9	70.9	67.1	28.9	60.7	59.2	61.1	60.2		60.6
DK XTJ6D42 (E)	Delta King	43.6	65.1	58.2	59.5	18.9	49.0	52.1	51.1	51.6		49.8
DK XTJ6D44 (E)	Delta King	64.9	66.8	58.9	63.4	27.6	56.3	62.5	57.9	60.2		57.4
DP4331RR	DPL	47.9	65.9	61.8	66.7	30.5	54.5	54.6	66.9	60.8		56.3
DP4546RR	DPL	56.1	62.3	65.7	64.5	23.4	54.4	47.0	70.0	58.5		55.6
DPX 1908RR (E)	DPL	51.1	66.6	51.6	59.6	22.3	50.2	37.3	46.9	42.1		47.9
DG3443NRR	Dyna Gro	50.9	61.0	64.5	62.3	27.4	53.2	54.7	61.8	58.2		54.6
DG3463NRR	Dyna Gro	52.4	52.6	48.9	54.5	32.7	48.2	43.7	53.3	48.5		48.3
DG35B40	Dyna Gro	50.5	55.9	61.1	63.1	32.1	52.5	58.5	59.8	59.2		54.4
DG37A44	Dyna Gro	61.2	59.2	61.8	58.9	26.3	53.5	61.9	66.6	64.2		56.6
FFR 4545RR	FFR	56.2	71.3	69.1	63.0	25.7	57.1	62.9	61.0	61.9		58.5
Garst 4612RR/N	Garst	53.5	61.0	68.2	71.4	24.5	55.7	53.8	56.0	54.9		55.5
HBK R3824	Hornbeck	54.5	63.0	55.2	61.2	26.0	52.0	53.1	62.2	57.7		53.6
HBK R4623	Hornbeck	55.0	61.9	58.1	58.8	29.8	52.7	49.3	53.7	51.5		52.3
RT 4480N	MorSoy	52.8	67.9	66.8	65.9	27.8	56.2	48.4	69.6	59.0		57.0
RT 4485N (E)	MorSoy	63.1	64.3	60.4	59.7	32.1	55.9	66.3	51.6	58.9		56.8
RT 4665N (E)	MorSoy	55.3	73.1	73.3	64.9	31.7	59.7	60.3	60.7	60.5		59.9
NK S43-B1	NK Brand	48.9	62.8	62.9	62.1	24.8	52.3	55.3	51.6	53.5		52.6
94M30	Pioneer	48.6	59.5	66.9	63.8	25.2	52.8	57.7	50.8	54.3		53.2
Progeny 4401RR	Progeny	52.0	70.5	61.4	69.8	30.1	56.8	50.7	57.7	59.2		57.5
Progeny 4205RR	Progeny	60.5	64.8	60.3	67.3	32.1	57.0	59.7	59.3	59.5		57.7
Progeny 4315RR	Progeny	48.9	66.0	63.1	67.3	25.9	54.2	57.1	56.7	56.9		55.0
Progeny 4405RR	Progeny	59.6	59.5	57.4	63.8	32.5	54.6	61.5	61.0	61.3		56.5
Progeny 4615RR	Progeny	53.8	73.8	72.0	69.1	28.5	59.5	54.7	65.5	60.2		59.7
SS RT4651N	Southern States	45.3	50.2	65.9	61.1	22.3	49.0	45.7	63.7	54.7		50.6
4842-4	Stine	53.3	71.7	72.0	63.3	25.7	57.2	62.5	57.9	60.2		58.1
TV45R14	Terral	55.7	62.2	61.3	61.1	22.5	52.6	40.9	58.6	49.7		51.8
TV46R15	Terral	59.7	71.1	61.8	60.4	29.6	56.6	50.4	55.6	53.0		55.5
TVX41R50 (E)	Terral	46.6	62.1	60.4	62.4	30.6	52.4	53.7	40.4	47.1		50.9
TVX43R51 (E)	Terral	55.2	56.9	50.4	58.6	26.6	49.5	51.3	49.5	50.4		49.8
TVX46R213 (E)	Terral	56.3	60.1	62.7	59.5	27.3	53.2	47.4	48.5	47.9		51.7
TVX46R223 (E)	Terral	54.1	69.1	58.1	63.1	29.4	54.8	43.5	51.9	47.7		52.7
TVX47RT16 (E)	Terral	45.6	57.2	66.0	50.8	24.1	48.7	33.3	58.5	45.9		47.9
USG 7434NRR	USG	57.1	51.8	66.1	65.5	24.1	52.9	52.7	40.8	46.8		51.2
USG 7440nRR	USG	59.3	63.9	63.7	63.6	30.4	56.2	55.8	61.0	58.4		56.8
USG 7455nRR	USG	64.6	64.8	65.6	63.9	29.8	57.7	60.9	54.5	57.7		57.7
USG 7466nRR	USG	57.4	73.0	76.9	73.8	29.8	62.2	60.3	53.5	56.9		60.7
V44N6RR	Vigoro	63.1	66.5	58.3	58.4	24.3	54.1	57.5	62.7	60.1		55.8
V41N6RR	Vigoro	60.0	63.3	65.0	61.0	19.5	53.8	55.9	45.5	50.7		52.9

Continued.

Table 5 (cont.). Summary of Yields for Maturity Group IV Early Roundup Ready for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
X841029 (E)	Vigoro	60.8	72.8	73.7	72.8	29.0	61.8	54.7	58.6	56.7		60.4
Overall Mean		53.8	65.0	62.8	62.8	27.2	54.3	53.9	57.4	55.7		54.7
LSD (.10)		8.5	9.6	7.0	6.5	4.1	3.3	10.3	8.7	6.7		3.0
Error degrees of freedom		132	132	132	132	132	660	132	132	264		924
CV (%)		11.7	10.9	8.2	7.7	11.0	10.0	14.2	11.2	12.7		10.9
R^2(%)		62	56	70	59	69	92	55	67	62		89

[1](E) = Experimental.

Table 6. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	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*		*bu/A*
AV48D1NRR	AgVenture	56.6	61.9	59.5	59.3	22.2	51.9	57.0	49.2	53.1		52.2
AV49J7NRR	AgVenture	58.4	73.8	70.6	61.5	26.2	58.1	61.6	60.4	61.0		58.9
AV50D2N	AgVenture	58.9	76.1	72.3	66.9	27.8	60.4	66.7	57.9	62.3		60.9
Armor GP-470	Armor	44.4	70.1	62.6	58.6	20.5	51.3	39.5	53.9	46.7		50.0
Armor GP-474	Armor	56.1	68.4	69.2	63.0	22.8	55.9	52.1	54.2	53.2		55.1
Armor ARX D49104 (E)	Armor	46.9	69.7	73.5	58.7	18.5	53.5	44.0	54.6	49.4		52.3
Armor ARX F47105 (E)	Armor	48.7	73.5	70.7	60.2	23.0	55.2	49.5	52.5	51.0		54.0
Armor GP-488	Armor	49.9	68.6	69.7	66.5	26.2	56.2	52.4	51.3	51.8		54.9
AG4703	Asgrow	50.5	80.1	66.4	67.2	28.2	58.5	61.7	54.2	57.9		58.3
AG4801	Asgrow	54.8	68.8	67.2	69.7	28.6	57.8	56.1	55.6	55.8		57.2
AG4903	Asgrow	58.8	73.9	71.3	68.6	24.6	59.4	56.0	56.1	56.0		58.4
RC4992	Croplan Genetics	50.0	65.7	70.8	54.8	24.3	53.1	45.0	58.2	51.6		52.7
DG4840RR	Delta Grow	60.5	68.6	70.0	62.7	21.2	56.6	59.6	69.4	64.5		58.8
DG4860RR	Delta Grow	55.2	71.3	65.1	68.8	22.0	56.5	50.0	52.4	51.2		55.0
DG4960RR	Delta Grow	56.7	64.3	67.8	59.7	37.3	57.2	58.4	68.7	63.5		59.0
DG4970RR	Delta Grow	61.9	70.0	66.6	64.7	30.0	58.6	63.4	65.4	64.4		60.3
DK4763	Delta King	52.0	65.3	64.3	64.1	26.8	54.5	66.2	52.6	59.4		55.9
DK4766	Delta King	58.8	76.4	64.6	65.3	26.5	58.3	64.4	56.0	60.2		58.9
DK4866	Delta King	57.9	68.8	81.3	75.0	18.5	60.3	54.6	66.1	60.4		60.3
DK4868	Delta King	48.1	67.8	72.2	67.6	26.0	56.3	53.4	55.8	54.6		55.8
DK4967	Delta King	51.7	64.8	67.0	68.8	19.2	54.3	51.6	53.9	52.7		53.9
DK XTJ602 (E)	Delta King	59.7	68.5	80.0	72.5	25.6	61.3	60.3	67.1	63.7		61.9
DK XTJ648 (E)	Delta King	50.8	65.0	65.2	58.4	17.5	51.4	51.3	51.9	51.6		51.4
DK XTJ650 (E)	Delta King	51.3	63.6	73.2	69.7	21.1	55.8	56.3	60.3	58.3		56.5
DK XTJ6G51 (E)	Delta King	58.3	72.0	78.2	63.7	18.1	58.1	59.7	70.2	65.0		60.0
DK XTJ6L49 (E)	Delta King	58.1	63.3	79.1	57.4	25.8	56.8	59.3	65.4	62.4		58.4
DK XTJ6025 (E)	Delta King	58.6	69.2	74.9	66.5	22.3	58.3	65.1	70.4	67.8		61.0
DP4724RR	DPL	55.1	74.4	65.9	66.4	21.8	56.7	49.9	58.2	54.1		56.0
DP4933RR	DPL	53.6	70.0	69.8	58.1	28.1	55.9	44.5	62.4	53.5		55.2
DPX4818RR/S (E)	DPL	56.1	78.1	71.4	60.1	25.9	58.3	50.0	61.6	55.8		57.6
DPX4919RR/S (E)	DPL	60.1	79.4	75.6	69.0	27.7	62.4	59.3	65.2	62.3		62.3
DG3481NRR	Dyna Gro	56.2	72.5	66.9	66.1	18.5	56.1	57.1	54.1	55.6		55.9
DG3484NRR	Dyna Gro	54.7	62.6	65.8	57.9	27.1	53.6	58.4	58.9	58.6		55.1
DG35Z49	Dyna Gro	62.6	63.9	76.1	67.9	26.3	59.4	66.7	73.0	69.9		62.4
DG36M49	Dyna Gro	52.3	71.8	72.2	65.9	23.2	57.1	58.1	67.9	63.0		58.8
DG36Y48	Dyna Gro	49.3	72.4	72.4	64.2	24.5	56.6	62.4	67.4	64.9		58.9
ESXVT-17RR (E)	Eagle Seed	33.1	59.2	66.9	47.0	13.0	43.8	45.3	63.4	54.3		46.8
ESXVT-487RR (E)	Eagle Seed	55.4	70.2	78.9	69.3	23.7	59.5	57.1	50.6	53.9		57.9
ESXVT-489RR (E)	Eagle Seed	52.1	68.2	78.3	58.4	18.1	55.0	47.4	59.7	53.5		54.6
FFR 4705RR	FFR	48.2	55.9	68.5	61.9	17.8	50.5	58.5	59.1	58.8		52.9
FFR 4922RR	FFR	52.9	66.6	66.9	56.6	29.4	54.5	51.7	58.8	55.3		54.7
FFR 4925RR	FFR	43.6	70.6	71.0	64.7	16.4	53.3	56.4	70.1	63.3		56.1
Garst 4999RR/N	Garst	62.8	74.0	77.6	66.5	26.8	61.6	61.4	65.1	63.3		62.0
HBK R4724	Hornbeck	43.6	68.1	70.5	65.3	17.8	53.1	57.0	59.1	58.1		54.5
HBK R4924	Hornbeck	59.3	74.5	75.8	65.1	25.8	60.1	57.3	69.2	63.3		61.0
RT 4731N	MorSoy	50.8	60.1	59.0	58.1	30.7	51.7	61.4	46.9	54.2		52.4
RT 4802N	MorSoy	50.6	69.6	65.1	63.4	20.5	53.8	52.5	53.6	53.1		53.6
RT 4914N (E)	MorSoy	60.1	70.9	71.6	68.0	27.4	59.6	58.7	58.7	58.7		59.3
RT S4955N (E)	MorSoy	53.7	72.8	70.9	66.0	20.1	56.7	64.3	61.6	63.0		58.5

Continued.

Table 6 (cont.). Summary of Yields for Maturity Group IV Late Roundup Ready for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	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*		*bu/A*
RT 4993N	MorSoy	54.2	71.1	68.5	62.9	20.6	55.5	60.6	54.1	57.3		56.0
NK S49-Q9	NK Brand	39.9	63.8	74.2	57.8	26.1	52.4	51.3	63.5	57.4		53.8
94B73	Pioneer	53.0	69.1	69.0	73.0	37.5	60.3	45.8	49.7	47.7		56.7
94M80	Pioneer	55.7	66.3	56.5	64.3	26.1	53.8	47.1	60.3	53.7		53.8
Progeny 4804RR	Progeny	59.1	72.2	63.9	62.6	24.4	56.5	56.8	56.4	56.6		56.5
Progeny 4949RR	Progeny	61.5	74.2	74.5	65.6	27.4	60.6	51.1	60.2	55.6		59.2
Progeny 4805RR	Progeny	54.4	72.4	74.6	60.6	30.6	58.5	49.8	68.6	59.2		58.7
476.RC	Schillinger	52.6	68.6	70.3	67.1	24.7	56.6	55.6	68.8	62.2		58.2
495.RC	Schillinger	60.2	76.5	69.8	73.4	32.5	62.5	69.9	68.4	69.1		64.4
SS RT4902N	Southern States	29.4	67.0	64.8	54.6	14.9	46.1	43.4	40.5	42.0		45.0
SS RT4981N	Southern States	47.3	75.8	86.9	66.0	19.9	59.2	62.4	69.8	66.1		61.2
SS RT5130N	Southern States	51.2	56.5	67.8	60.0	39.7	55.0	54.3	70.9	62.6		57.2
TSR47RJ41 (E)	Terral	57.2	65.6	74.2	60.7	24.6	56.4	56.1	68.7	62.4		58.1
TSR48RK33 (E)	Terral	52.0	65.6	65.5	52.1	22.4	51.5	50.8	64.8	57.8		53.3
TSR49RL45 (E)	Terral	50.3	67.2	75.0	62.4	23.4	55.6	58.1	65.6	61.8		57.4
TV48R14	Terral	51.9	65.3	74.1	65.8	27.1	56.8	56.3	64.9	60.6		57.9
TV48R43	Terral	56.3	69.1	68.4	66.3	22.1	56.4	61.9	61.1	61.5		57.9
TV49R12	Terral	52.0	64.7	65.2	56.9	23.1	52.4	44.1	63.1	53.6		52.7
TVX47R203 (E)	Terral	47.1	55.8	65.1	54.1	19.6	48.3	44.7	54.7	49.7		48.7
TVX47R213 (E)	Terral	47.1	61.1	64.1	51.3	20.6	48.9	43.4	52.9	48.2		48.7
TVX49R50 (E)	Terral	48.0	64.2	78.4	66.2	15.4	54.4	62.9	64.3	63.6		57.0
USG 747R6	USG	38.1	68.0	67.9	61.5	24.4	52.0	59.0	59.2	59.1		54.0
USG 7484nRR	USG	53.6	69.3	61.1	66.1	22.2	54.5	62.1	59.3	60.7		56.3
USG 7494nRR	USG	53.1	72.8	70.1	66.0	24.4	57.3	52.9	58.8	55.8		56.9
USG 7499nRR	USG	55.1	60.8	62.6	61.1	24.3	52.8	61.3	61.7	61.5		55.3
V48N5RR	Vigoro	58.6	64.8	63.6	62.5	19.5	53.8	52.7	52.9	52.8		53.5
V49N6RR	Vigoro	58.9	77.1	71.0	64.3	31.5	60.5	71.0	60.3	65.6		62.0
V50N6RR	Vigoro	55.8	64.8	75.5	65.2	19.0	56.1	66.0	71.7	68.8		59.7
S03-166 (E)	Public	54.6	68.5	69.0	65.5	23.8	56.3	53.6	68.6	61.1		57.7
S03-390 (E)	Public	51.6	63.8	59.0	60.2	27.7	52.5	52.9	65.5	59.2		54.4
Overall Mean		53.2	68.6	69.9	63.3	24.1	55.8	55.8	60.5	58.1		56.5
LSD (.10)		6.8	7.8	6.7	5.0	5.0	2.8	9.6	9.9	6.9		2.8
Error degrees of freedom		156	156	156	156	156	780	156	156	312		1092
CV (%)		9.5	8.4	7.1	5.8	15.3	8.4	12.7	12.1	12.4		9.8
R^2(%)		73	57	68	75	73	96	61	61	64		92

[1](E) = Experimental.

Table 7. Summary of Yields for Maturity Group V Early Roundup Ready for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AVXD53 (E)	AgVenture	63.7	55.6	58.1	59.1	43.1	52.8	48.0		54.7
AV54D4	AgVenture	58.8	66.9	55.6	60.4	34.4	45.2	39.9		52.2
AVXD56B (E)	AgVenture	58.7	62.1	44.0	54.9	42.4	33.8	38.1		48.2
Armor 54-03	Armor	53.9	61.3	56.7	57.3	35.9	44.5	40.2		50.5
Armor GP-513	Armor	62.0	74.4	64.4	66.9	36.7	53.2	45.0		58.1
Armor GP-530	Armor	61.8	70.8	58.2	63.6	33.7	51.4	42.5		55.2
Armor GP-555	Armor	59.2	65.2	59.5	61.3	37.1	53.5	45.3		54.9
Armor ARX A50104 (E)	Armor	71.6	64.5	63.4	66.5	41.8	38.0	39.9		55.9
AG5501	Asgrow	66.8	65.9	59.4	64.1	40.2	50.7	45.4		56.6
AG5702	Asgrow	67.7	76.7	56.7	67.0	37.6	49.8	43.7		57.7
RC 5332	Croplan Genetics	50.1	62.9	54.2	55.8	34.7	43.0	38.9		49.0
DG5160RR	Delta Grow	67.4	70.5	70.3	69.4	36.4	56.6	46.5		60.3
DG5260RR	Delta Grow	56.4	70.0	57.3	61.2	32.4	57.8	45.1		54.8
DG5460RR	Delta Grow	59.8	55.2	54.8	56.6	40.0	48.9	44.5		51.7
DG5555RR	Delta Grow	62.2	72.5	46.7	60.5	36.9	65.7	51.3		56.8
DG5560RR	Delta Grow	65.0	67.6	57.7	63.4	35.9	42.0	38.9		53.6
DG5630RR	Delta Grow	67.2	69.0	46.2	60.8	36.6	50.3	43.5		53.9
DG5650RR	Delta Grow	65.8	72.4	60.4	66.2	40.6	58.1	49.3		59.4
DK5066	Delta King	74.1	72.7	66.8	71.2	34.2	51.0	42.6		59.8
DK5161	Delta King	67.0	63.0	56.6	62.2	36.0	49.8	42.9		54.5

Continued.

Table 7 (cont.). Summary of Yields for Maturity Group V Early Roundup Ready for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK5366	Delta King	61.9	75.3	57.6	64.9	44.3	46.0	45.1		57.0
DK5466	Delta King	60.8	57.5	57.6	58.6	43.2	51.7	47.5		54.2
DK5567	Delta King	52.5	64.2	57.2	58.0	37.7	44.0	40.9		51.1
DK55T6	Delta King	61.7	68.0	58.8	63.3	44.0	49.8	46.9		56.3
DK XTJ603 (E)	Delta King	58.2	73.2	60.1	63.8	38.1	48.8	43.5		55.7
DK XTJ604 (E)	Delta King	61.2	61.6	56.4	59.7	36.5	45.2	40.9		52.2
DK XTJ652 (E)	Delta King	52.6	69.4	48.1	56.7	38.2	45.9	42.1		50.9
DK XTJ6501 (E)	Delta King	52.6	56.8	60.7	56.7	28.5	35.0	31.8		46.7
DK XTJ6G510 (E)	Delta King	67.5	72.3	69.9	69.9	47.2	49.7	48.5		61.3
DP5414RR	DPL	63.6	70.3	48.1	60.7	35.0	55.6	45.3		54.5
DP5634RR	DPL	65.6	69.7	57.9	64.4	35.7	56.1	45.9		57.0
DPX5115RR/S (E)	DPL	69.7	70.2	49.6	63.2	35.8	50.0	42.9		55.1
DG33B52	Dyna Gro	62.6	73.3	61.3	65.7	36.6	46.6	41.6		56.1
DG33X55	Dyna Gro	67.7	72.3	50.3	63.4	42.6	58.4	50.5		58.3
DG3535NRR	Dyna Gro	56.6	73.0	50.0	59.8	43.7	49.6	46.7		54.6
DG3562NRR	Dyna Gro	62.3	71.1	54.6	62.7	39.5	47.9	43.7		55.1
ESXVT-110RR (E)	Eagle Seed	54.6	56.2	50.2	53.7	33.8	49.9	41.8		48.9
ESXVT-552RR (E)	Eagle Seed	64.5	58.9	55.6	59.6	37.7	42.7	40.2		51.9
ESXVT-520RR (E)	Eagle Seed	64.3	73.1	56.7	64.7	37.6	61.9	49.7		58.7
FFR 5033RR	FFR	55.5	64.5	60.3	60.1	44.4	47.0	45.7		54.3
FFR 5663RR	FFR	61.0	69.6	59.1	63.2	38.5	59.2	48.8		57.5
Garst 5212RR/N	Garst	59.6	65.5	47.3	57.5	36.5	38.5	37.5		49.5
HBK R5123	Hornbeck	54.5	57.1	48.0	53.2	33.4	39.5	36.4		46.5
HBK R5324	Hornbeck	58.4	65.7	58.1	60.7	29.8	52.3	41.1		52.8
HBK R5425	Hornbeck	54.1	70.1	43.0	55.7	39.8	36.0	37.9		48.6
HBK R5525	Hornbeck	67.2	67.1	61.0	65.1	39.5	55.6	47.6		58.1
HBK R5620	Hornbeck	62.7	68.4	43.4	58.1	40.7	46.5	43.6		52.3
RT 5553N	MorSoy	59.6	68.3	53.6	60.5	43.1	55.3	49.2		56.0
RT 5620N	MorSoy	60.8	64.4	56.6	60.6	38.4	51.2	44.8		54.3
NK S56-D7	NK Brand	61.9	62.1	53.1	59.1	41.7	60.5	51.1		55.9
95B43	Pioneer	73.0	66.0	64.2	67.7	30.2	53.9	42.0		57.5
95M50	Pioneer	64.3	70.9	53.8	63.0	35.6	57.4	46.5		56.4
Progeny 5250RR	Progeny	70.2	64.7	59.2	64.7	32.0	57.0	44.5		56.6
Progeny 5622RR	Progeny	70.3	66.7	54.7	63.9	36.1	53.6	44.9		56.3
Progeny 5660RR	Progeny	66.9	69.1	40.6	58.9	38.1	43.2	40.7		51.6
Progeny 5205RR	Progeny	75.4	67.8	59.2	67.4	29.5	42.5	36.0		54.9
Progeny 5105RR	Progeny	70.7	73.5	61.5	68.6	31.3	56.4	43.8		58.7
Progeny 5115RR	Progeny	65.6	73.5	67.1	68.7	30.5	53.9	42.2		58.1
Progeny 5650RR	Progeny	63.6	69.6	55.1	62.7	39.4	54.9	47.1		56.5
SS RT5302N	Southern States	58.9	64.9	54.8	59.5	40.4	42.2	41.3		52.2
SS RT5540	Southern States	57.0	67.2	55.4	59.9	42.2	57.1	49.6		55.8
5142-4	Stine	61.8	66.9	63.2	64.0	33.8	50.3	42.1		55.2
TSR52RJ41 (E)	Terral	64.1	62.3	48.0	58.1	39.5	44.4	41.9		51.7
TSR53RJ42 (E)	Terral	51.1	62.7	56.1	56.6	29.8	47.3	38.6		49.4
TSR53RK34 (E)	Terral	59.6	64.3	50.8	58.2	39.4	41.3	40.4		51.1
TSR54RJ41 (E)	Terral	55.8	71.9	53.6	60.4	35.8	48.4	42.1		53.1
TV52R14	Terral	62.4	70.9	59.2	64.2	32.6	51.2	41.9		55.3
TV55R15	Terral	57.6	74.3	49.0	60.3	36.7	56.0	46.4		54.7
TV56R12	Terral	64.4	60.3	47.8	57.5	40.5	46.8	43.6		51.9
TV56R45	Terral	64.7	61.2	57.1	61.0	38.1	49.5	43.8		54.1
TVX51R50 (E)	Terral	65.5	78.1	63.2	68.9	39.9	53.0	46.5		59.9
USG 7505NRR	USG	68.0	58.3	66.2	64.2	35.9	45.9	40.9		54.9
USG 7515nRR	USG	74.4	72.6	58.1	68.4	38.5	57.1	47.8		60.1
USG 7553nRS	USG	56.9	61.0	56.6	58.2	41.1	49.0	45.1		52.9
USG 7562nRR	USG	61.0	68.2	53.4	60.9	40.5	44.2	42.4		53.5
USG 7582nRR	USG	61.9	73.5	60.4	65.3	40.7	57.3	49.0		58.8
V55N5RR	Vigoro	63.8	68.0	53.6	61.8	45.2	51.6	48.5		56.5
S03-383 (E)	Public	68.2	65.7	48.6	60.9	36.2	50.3	43.2		53.8
TN05-547RR (E)	Public	57.1	62.5	53.2	57.6	39.3	58.0	48.7		54.0
TN05-548RR (E)	Public	60.9	58.1	48.5	55.8	37.4	51.4	44.4		51.2
Overall Mean		62.4	67.0	55.8	61.7	37.7	50.0	43.8		54.6
LSD (.10)		7.8	7.2	7.3	4.3	9.4	8.2	6.2		3.6
Error degrees of freedom		158	158	157	473	158	158	316		789
CV (%)		9.2	7.9	9.7	8.9	18.5	12.2	14.9		10.9
R^2(%)		60	61	67	73	76	62	79		87

[1](E) = Experimental.

Table 8. Summary of Yields for Maturity Group V Late Roundup Ready for the 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV57D7NRR	AgVenture	57.4	68.1	52.6	59.4	36.1	55.2	45.6		53.9
Armor AXR B57104 (E)	Armor	61.0	61.4	48.0	56.8	36.3	48.4	42.4		51.0
AG5702	Asgrow	63.7	76.4	55.3	65.1	30.2	53.4	41.8		55.8
AG5903	Asgrow	56.4	65.8	44.1	55.5	35.7	60.5	48.1		52.5
AG5905	Asgrow	69.2	66.4	51.6	62.4	40.0	59.3	49.7		57.3
DG5830RR	Delta Grow	67.8	66.9	47.0	60.6	37.8	64.2	51.0		56.7
DG5960RR	Delta Grow	59.7	71.1	47.7	59.5	32.4	63.9	48.2		55.0
DK5967	Delta King	59.6	74.0	47.2	60.3	34.2	54.8	44.5		54.0
DP5808RR	DPL	66.1	71.1	54.6	64.0	35.3	62.5	48.9		57.9
DP5915RR	DPL	65.4	67.0	49.0	60.5	39.6	56.5	48.0		55.5
DG3583NRR	Dyna Gro	65.1	64.3	47.7	59.0	37.1	54.9	46.0		53.8
DG3600	Dyna Gro	54.2	68.8	41.2	54.7	33.4	55.6	44.5		50.6
DG36N57	Dyna Gro	61.0	70.0	49.4	60.1	31.7	72.6	52.2		56.9
DG38K57	Dyna Gro	56.4	68.9	52.2	59.2	32.7	68.1	50.4		55.7
ESXVT-41RR (E)	Eagle Seed	48.8	60.2	36.3	48.4	30.9	41.1	36.0		43.4
ESXVT-46RR (E)	Eagle Seed	55.5	65.9	40.2	53.9	32.0	52.2	42.1		49.2
Garst 5924RR/N	Garst	71.2	70.6	45.9	62.7	36.5	64.0	50.2		57.6
HBK R5825	Hornbeck	60.2	69.3	43.7	57.7	32.6	51.3	41.9		51.4
HBK R5924	Hornbeck	65.4	66.2	48.0	59.9	38.2	63.1	50.7		56.2
95M80	Pioneer	60.5	65.5	56.4	60.8	34.6	52.0	43.3		53.8
Progeny 5822RR	Progeny	70.6	71.0	46.7	62.8	36.0	63.3	49.7		57.5
586.RC	Schillinger	59.1	63.6	30.1	50.9	34.3	38.8	36.5		45.2
SS RT5702N	Southern States	69.1	68.0	43.8	60.3	33.1	40.7	36.9		50.9
SS RT5951N	Southern States	62.7	64.3	50.0	59.0	34.0	47.0	40.5		51.6
TV57R14	Terral	63.6	68.1	52.2	61.3	37.3	62.6	50.0		56.8
TV59R14	Terral	69.2	72.9	48.4	63.5	41.0	61.1	51.1		58.5
Overall Mean		62.3	67.9	47.3	59.2	35.1	56.4	45.8		53.8
LSD (.10)		6.6	7.0	4.1	3.4	6.9	11.3	6.6		3.3
Error degrees of freedom		50	50	50	150	50	50	100		250
CV (%)		7.7	7.5	6.4	7.5	14.3	14.6	15.0		10.3
R^2(%)		68	47	85	89	84	63	87		90

[1](E) = Experimental.

Table 9. Summary of 2-Year Yields for Maturity Group IV for the 2004 and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DP4748S	DPL	62.4	54.1	48.0	54.8	55.7	60.8	58.3		56.2
Progeny 4910	Progeny	64.6	70.2	45.7	60.2	51.2	60.2	55.7		58.4
DT98-7278 (E)	Public	55.3	55.5	44.7	51.8	44.4	52.3	48.3		50.4
S00-9925-10 (E)	Public	64.3	56.6	41.4	54.1	56.0	59.2	57.6		55.5
Overall Mean		61.6	59.1	44.9	55.2	51.8	58.1	55.0		55.1
LSD (.10)		8.9	7.8	5.3	4.1	5.2	4.7	3.4		2.8
Error degrees of freedom		12	12	12	36	12	12	24		60
CV (%)		14.1	12.8	11.4	13.2	9.7	7.9	8.8		11.6
R^2(%)		48	78	96	89	89	73	86		88

[1](E) = Experimental.

Table 10. Summary of 2-Year Yields for Maturity Group V Early for the 2004 and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DP5110S	DPL	68.9	67.5	50.3	62.3	45.5	55.8	50.6		57.6
USG 5002T	USG	66.3	59.6	44.2	56.7	39.3	60.7	50.0		54.0
USG 5601T	USG	62.4	56.5	43.5	54.1	42.8	57.6	50.2		52.6
Ozark	Public	59.7	52.7	44.5	52.3	43.8	57.9	50.8		51.7
Teejay	Public	61.0	61.3	45.5	55.9	39.9	63.8	51.9		54.3
Overall Mean		63.7	59.5	45.6	56.3	42.3	59.2	50.7		54.0
LSD (.10)		6.7	7.2	3.7	3.4	5.2	5.9	3.8		2.5
Error degrees of freedom		16	16	16	48	16	16	32		80
CV (%)		10.4	12.0	8.0	10.6	12.1	9.9	10.9		10.8
R^2(%)		50	85	98	92	88	54	89		92

[1]All are released varieties.

Table 11. Summary of 2-Year Yields for Maturity Group V Late for the 2004 and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK 5870RR	Delta King	61.9	66.5	43.2	57.2	49.7	54.4	52.1		55.1
DK 5995RR	Delta King	58.7	58.4	34.9	50.6	41.2	48.9	45.0		48.4
HBK C5894	Hornbeck	64.0	71.6	39.9	58.5	47.3	46.3	46.8		53.8
Progeny 5770	Progeny	61.6	63.2	43.2	56.0	43.9	47.9	45.9		51.9
Freedom	Public	62.9	60.7	40.7	54.8	30.0	40.3	35.1		46.9
Hutcheson	Public	53.3	55.4	37.5	48.8	35.1	48.1	41.6		45.9
R97-1634 (E)	Public	53.7	60.9	38.1	50.9	34.1	48.3	41.2		47.0
Overall Mean		59.4	62.4	39.6	53.8	40.2	57.7	44.0		49.9
LSD (.10)		8.5	6.3	5.2	3.8	5.2	4.8	3.4		2.7
Error degrees of freedom		24	24	24	72	24	24	48		120
CV (%)		14.5	10.2	13.3	12.8	13.0	10.1	11.4		12.4
R^2(%)		69	86	92	90	89	87	89		91

[1](E) = Experimental.

Table 12. Summary of 2-Year Yields for Maturity Group III Roundup Ready for the 2004 and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Stoneville Nonirr.	Overall avg.	
		bu/A	*bu/A*	*bu/A*	
AG3802	Asgrow	49.6	34.9	42.3	
AG3905	Asgrow	52.0	39.8	45.9	
AG3906	Asgrow	54.0	37.4	45.7	
DK3964	Delta King	45.7	40.2	42.9	
DK3968	Delta King	54.4	31.2	42.8	
DP3861RR	DPL	54.5	33.8	44.1	
NK S39-K6	NK Brand	50.8	32.8	41.8	
93M90	Pioneer	53.2	34.1	43.6	
Progeny 3900RR	Progeny	55.6	36.6	46.1	
TV39RS31	Terral	53.4	31.1	42.3	
Overall Mean		52.3	35.2	43.7	
LSD (.10)		4.2	4.5	3.0	
Error degrees of freedom		36	36	72	
CV (%)		8.2	13.0	10.2	
R^2(%)		81	93	94	

[1]All are released varieties.

Table 13. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2004 and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	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*		*bu/A*
AV46J5NRR	AgVenture	53.3	56.0	51.6	47.2	37.2	49.0	62.2	55.3	58.7		51.8
Armor 44-R4	Armor	46.8	55.7	53.3	47.3	34.3	47.5	54.1	52.9	53.5		49.2
AG4201	Asgrow	53.1	58.6	56.7	42.1	36.5	49.4	58.9	54.1	56.5		51.4
AG4403	Asgrow	50.5	60.1	51.5	44.6	39.8	49.3	55.3	58.4	56.9		51.5
DKB44-51	DEKALB	49.5	58.2	52.1	45.4	37.0	48.4	54.5	60.8	57.6		51.1
DKB46-51	DEKALB	55.0	56.8	55.2	43.9	43.6	50.9	56.9	59.3	58.1		52.9
DK4461	Delta King	54.5	55.0	54.1	49.6	37.1	50.0	54.9	61.0	58.0		52.3
DK4661	Delta King	62.8	48.3	57.7	50.0	36.4	51.0	45.9	57.9	51.9		51.3
DP4331RR	DPL	50.6	54.4	49.7	47.8	38.5	48.2	56.5	61.2	58.8		51.2
DP4546RR	DPL	56.7	57.1	54.4	44.2	37.7	50.0	51.4	61.0	56.2		51.8
DG3443NRR	Dyna Gro	49.1	58.4	53.3	44.3	36.5	48.3	56.3	55.6	56.0		50.5
DG3463NRR	Dyna Gro	45.2	58.8	41.9	38.3	39.4	44.7	47.3	53.5	50.4		46.3
Garst 4612RR/N	Garst	59.1	58.7	62.7	49.8	38.4	53.7	54.8	59.3	57.0		54.7
HBK R4623	Hornbeck	54.6	58.5	49.4	42.6	37.8	48.6	52.3	54.5	53.4		49.9
NK S43-B1	NK Brand	52.9	53.8	52.2	46.1	38.0	48.6	55.1	51.9	53.5		50.0
Progeny 4401RR	Progeny	54.0	59.3	52.6	48.2	39.7	50.8	54.4	61.7	58.0		52.8
TV45R14	Terral	56.8	57.9	54.4	48.2	33.9	50.2	46.2	57.5	51.8		50.7
TV46R15	Terral	63.2	59.0	57.1	45.6	36.5	52.3	51.9	54.9	53.4		52.6
USG 7434NRR	USG	49.2	60.9	61.7	48.8	40.9	52.0	53.9	49.7	51.8		51.9
USG 7440nRR	USG	50.9	63.5	53.7	46.3	38.5	50.6	56.0	55.8	55.9		52.1
Overall Mean		53.4	57.4	53.7	46.0	37.9	49.7	53.9	56.8	55.4		51.3
LSD (.10)		5.2	6.3	4.2	4.8	3.2	2.1	6.7	5.7	4.4		2.0
Error degrees of freedom		76	76	75	76	76	379	76	76	152		531
CV (%)		10.2	11.3	8.1	10.9	8.8	10.2	12.9	10.5	11.7		10.7
R^2(%)		88	65	89	95	95	92	49	58	55		89

[1]All are released varieties.

Table 14. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2004 and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	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*		*bu/A*
AV49J7NRR	AgVenture	59.4	60.7	59.2	48.0	34.3	52.3	61.2	58.2	59.7		54.4
Armor GP-474	Armor	58.6	57.4	61.9	48.5	34.7	52.2	57.0	56.5	56.8		53.5
AG4801	Asgrow	53.9	56.2	57.1	50.0	41.6	51.8	56.1	51.9	54.0		52.4
AG4903	Asgrow	63.9	57.8	64.4	52.0	34.4	54.5	54.5	59.6	57.0		55.2
DG4840RR	Delta Grow	59.8	62.0	58.7	47.7	34.8	52.6	58.3	64.7	61.5		55.1
DG4860RR	Delta Grow	61.0	61.6	55.3	50.6	35.0	52.7	49.7	57.3	53.5		52.9
DG4960RR	Delta Grow	53.5	60.6	51.7	45.3	43.6	50.9	60.1	62.6	61.4		53.9
DG4970RR	Delta Grow	61.7	67.7	61.1	53.1	44.0	57.5	62.7	62.4	62.5		59.0
DK4763	Delta King	54.2	56.9	53.4	47.5	37.8	50.0	62.8	51.8	57.3		52.1
DK4866	Delta King	57.7	60.6	63.9	52.7	29.4	52.9	51.8	60.2	56.0		53.8
DK4868	Delta King	58.1	54.5	60.0	47.3	36.9	51.3	49.7	57.6	53.7		52.0
DK4967	Delta King	58.6	56.8	55.3	51.2	35.0	51.4	55.5	52.6	54.0		52.2
DP4724RR	DPL	62.0	56.4	59.4	50.6	32.8	52.2	55.8	58.0	56.9		53.6
DP4933RR	DPL	63.1	54.9	62.4	45.7	38.6	52.9	49.7	53.9	51.8		52.6
DG3481NRR	Dyna Gro	61.9	60.4	57.6	51.7	34.0	53.1	55.0	54.5	54.8		53.6
DG36M49	Dyna Gro	60.2	57.3	60.6	48.7	34.5	52.2	60.4	64.6	62.5		55.2
ESXVT-17RR (E)	Eagle Seed	61.2	33.0	63.5	40.9	17.9	43.3	48.2	54.3	51.3		45.6
FFR 4922RR	FFR	63.6	57.6	57.4	44.1	36.9	51.9	52.4	53.1	52.7		52.2
Garst 4999RR/N	Garst	64.6	62.3	62.2	54.5	33.6	55.4	60.4	60.3	60.3		56.8
HBK R4724	Hornbeck	56.3	55.9	55.6	49.3	32.9	49.9	61.4	58.9	60.1		52.9
HBK R4924	Hornbeck	63.1	60.8	63.5	52.8	33.8	54.8	54.5	60.8	57.6		55.6
RT 4802N	MorSoy	63.2	57.5	58.7	47.1	33.2	51.9	54.9	57.4	56.1		53.1
RT 4993N	MorSoy	62.7	57.3	56.7	46.2	33.4	51.3	58.9	53.6	56.2		52.7
NK S49-Q9	NK Brand	55.6	51.2	57.5	44.7	33.9	48.6	56.0	59.4	57.7		51.2
94B73	Pioneer	61.0	65.5	58.3	54.2	47.5	57.3	52.6	49.8	51.2		55.6
Progeny 4804RR	Progeny	60.5	60.4	55.6	47.5	34.7	51.7	53.8	55.8	54.8		52.6
Progeny 4949RR	Progeny	65.1	64.3	61.1	53.4	36.6	56.1	52.9	59.3	56.1		56.1
495.RC	Schillinger	64.2	69.4	60.9	56.4	46.1	59.4	64.3	66.9	65.6		61.2
SS RT4902N	Southern States	64.1	42.7	59.0	43.4	27.9	47.4	42.9	46.3	44.6		46.6
SS RT5130N	Southern States	43.2	59.6	50.4	44.2	45.2	49.7	53.5	64.2	58.8		52.3
TV48R14	Terral	64.3	56.7	60.0	51.4	34.3	53.3	58.5	61.0	59.7		55.2
TV48R43	Terral	61.3	59.0	60.7	52.9	34.4	53.6	65.4	60.0	62.7		56.2
TV49R12	Terral	62.3	53.4	56.3	46.3	30.1	49.7	47.7	58.3	53.0		50.6
USG 7484nRR	USG	60.7	56.2	53.3	49.9	33.4	50.7	63.1	51.5	57.3		52.6
USG 7494nRR	USG	60.5	58.6	60.4	49.6	34.7	52.8	56.6	57.6	57.1		54.0
USG 7499nRR	USG	51.1	53.9	49.6	45.2	33.6	46.7	61.9	54.9	58.4		50.0
V48N5RR	Vigoro	58.9	57.5	51.3	50.0	32.7	50.1	60.5	54.7	57.6		52.2
Overall Mean		60.0	57.7	58.2	49.0	35.4	52.1	56.2	57.4	56.8		53.4
LSD (.10)		5.0	5.0	4.4	3.4	3.2	1.9	6.3	7.3	4.8		1.9
Error degrees of freedom		144	144	144	144	144	720	144	144	288		1008
CV (%)		8.7	9.1	7.8	7.2	9.5	8.6	11.7	13.3	12.5		10.0
R^2(%)		86	82	91	97	95	95	60	57	59		91

[1](E) = Experimental.

Table 15. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2004 and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Amour 54-03	Armor	49.9	52.9	42.8	48.6	41.2	42.5	41.8		46.0
Armor GP-513	Armor	64.5	64.8	53.1	60.8	42.4	49.2	45.5		55.0
Armor GP-530	Armor	61.2	63.1	45.9	56.7	40.1	46.8	43.1		51.6
AG5501	Asgrow	58.2	59.2	48.3	55.2	45.9	46.0	45.9		51.7
DG5260RR	Delta Grow	52.0	59.8	43.9	51.9	45.0	52.0	48.2		50.5
DG5460RR	Delta Grow	54.8	51.6	41.6	49.3	48.2	45.5	46.9		48.4
DG5555RR	Delta Grow	55.4	66.9	39.6	54.0	35.9	58.2	46.0		50.9
DG5630RR	Delta Grow	57.9	60.2	39.9	52.7	40.2	43.4	41.6		48.5
DG5650RR	Delta Grow	57.4	59.8	48.8	55.3	50.4	52.7	51.4		53.9
DK5161	Delta King	65.4	62.4	50.3	59.4	43.5	47.4	45.2		54.0
DK5366	Delta King	58.3	64.5	47.6	56.8	44.2	42.9	43.6		51.8
DK5567RR	Delta King	57.2	61.4	46.5	55.0	46.7	42.2	44.6		51.1
DK55T6	Delta King	57.1	56.2	44.5	53.1	47.0	42.2	44.8		49.8
DP5414RR	DPL	50.1	60.5	43.6	51.4	42.3	52.6	47.0		49.7
DP5634RR	DPL	61.3	67.1	47.9	58.8	40.9	51.6	45.8		53.8
DG33B52	Dyna Gro	63.6	65.9	53.1	60.9	44.6	49.3	46.7		55.5
DG3535NRR	Dyna Gro	51.5	58.4	43.8	51.2	43.4	43.8	43.6		48.3
DG3562NRR	Dyna Gro	60.2	60.5	46.8	55.8	45.5	44.7	45.1		51.8
FFR 5033RR	FFR	50.1	50.0	49.0	49.7	49.0	46.1	47.7		48.9
FFR 5663RR	FFR	64.7	68.4	48.2	60.5	45.5	54.0	49.4		56.2
Garst 5212RR/N	Garst	57.2	57.8	40.1	51.7	42.9	38.2	40.8		47.5
HBK R5123	Hornbeck	52.6	57.2	42.4	50.7	33.3	36.4	34.7		44.7
HBK R5324	Hornbeck	50.8	59.0	46.0	51.9	37.5	50.2	43.3		48.6
HBK R5620	Hornbeck	56.8	58.8	39.3	51.6	43.0	41.4	42.3		48.1
RT 5553N	MorSoy	51.7	57.6	42.6	50.6	49.1	53.1	50.9		50.7
RT 5620N	MorSoy	60.0	58.7	47.1	55.2	42.8	48.1	45.2		51.4
NK S56-D7	NK Brand	59.8	60.8	44.6	55.1	45.1	56.4	50.2		53.2
95B43	Pioneer	63.6	59.6	49.6	57.6	39.2	49.7	43.9		52.4
Progeny 5250RR	Progeny	65.1	59.8	47.1	57.4	39.0	54.9	46.2		53.1
Progeny 5622RR	Progeny	62.4	57.3	45.9	55.2	43.5	45.3	44.3		51.1
Progeny 5660RR	Progeny	60.2	61.7	37.8	53.2	42.8	38.4	40.8		48.5
SS RT5302N	Southern States	54.5	58.0	43.6	52.0	42.6	40.0	41.4		48.0
SS RT5540	Southern States	50.3	57.5	44.9	50.9	50.5	54.9	52.5		51.5
TV52R14	Terral	55.8	59.5	47.9	54.3	41.5	51.0	45.8		51.1
TV55R15	Terral	52.6	66.8	40.9	53.4	38.4	53.5	44.2		49.9
TV56R12	Terral	57.7	58.0	39.1	51.6	42.7	44.2	43.4		48.5
TV56R45	Terral	62.6	59.6	46.8	56.3	44.4	44.1	44.2		51.7
USG 7553nRR	USG	53.6	55.8	43.7	51.0	45.3	48.5	46.7		49.4
V55N5RR	Vigoro	52.4	57.2	43.9	51.2	47.5	48.1	47.8		49.9
Overall Mean		57.2	59.8	45.1	54.0	43.4	47.4	45.2		50.7
LSD (.10)		4.8	4.9	3.9	2.6	5.9	6.3	4.3		2.3
Error degrees of freedom		152	152	151	455	152	114	266		721
CV (%)		8.8	8.5	8.9	8.8	14.3	12.7	13.5		10.4
R^2(%)		78	83	92	90	79	72	78		88

[1]All are released varieties.

Table 16. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2004 and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV57D7NRR	AgVenture	61.0	66.4	40.0	55.8	42.1	46.1	43.9		51.3
AG5903	Asgrow	56.6	61.2	36.2	51.3	45.5	42.9	44.3		48.6
AG5905	Asgrow	57.9	59.6	39.7	52.4	38.7	44.5	41.4		48.2
DG5960RR	Delta Grow	57.6	62.5	39.5	53.2	45.0	48.6	46.7		50.7
DK5967	Delta King	58.2	62.6	40.4	53.7	43.7	42.4	43.1		49.7
DP5808RR	DPL	68.4	67.1	48.0	61.2	42.0	49.3	45.3		55.1
DP5915RR	DPL	60.5	62.2	37.7	53.5	43.3	43.4	43.4		49.6
DG3583NRR	Dyna Gro	55.5	57.1	40.7	51.1	47.4	42.3	45.0		48.8
DG36N57	Dyna Gro	64.8	68.1	43.7	58.9	42.3	59.1	49.9		55.5
DG38K57	Dyna Gro	54.6	54.4	43.3	50.8	40.2	50.2	44.7		48.5
ESXVT-41RR (E)	Eagle Seed	58.8	58.9	33.6	50.4	45.4	30.7	38.7		46.0
ESXVT-46RR (E)	Eagle Seed	59.1	62.7	37.4	53.1	39.7	38.5	39.2		47.8
Garst 5924RR/N	Garst	63.1	63.4	39.8	55.5	44.6	52.3	48.1		52.7
HBK R5924	Hornbeck	69.8	61.5	39.7	57.0	48.7	47.6	48.2		53.6
95M80	Pioneer	59.3	60.9	44.4	54.9	42.1	38.5	41.8		49.9
Progeny 5822RR	Progeny	64.2	62.9	40.4	55.8	42.7	46.0	44.2		51.4
SS RT5702N	Southern States	64.2	63.3	39.8	55.8	38.2	35.1	36.8		48.6
TV57R14	Terral	56.9	58.1	44.9	53.3	41.2	53.4	46.7		50.8
TV59R14	Terral	60.1	61.4	41.9	54.4	45.2	47.3	46.2		51.3
Overall Mean		60.5	61.8	40.6	54.3	43.0	45.3	44.1		50.4
LSD (.10)		5.3	4.6	4.6	2.8	5.5	7.9	4.6		2.4
Error degrees of freedom		72	72	72	216	72	54	126		342
CV (%)		9.1	7.7	11.9	9.2	13.2	16.4	14.7		11.1
R^2(%)		74	82	84	91	85	91	89		91

[1] (E) = Experimental.

Table 17. Summary of 3-Year Yields for Maturity Group IV for the 2003, 2004, and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DP4748S	DPL	61.0	55.8	52.3	56.2	57.5	54.4	56.0		56.1
Progeny 4910	Progeny	61.0	69.7	53.1	61.3	52.2	61.9	57.0		59.5
DT98-7278 (E)	Public	55.4	60.6	47.4	54.4	50.4	55.3	52.9		53.8
Overall Mean		59.1	62.0	50.9	57.0	53.4	57.2	55.3		56.5
LSD (.10)		8.4	5.9	3.4	3.5	2.0	3.9	2.1		2.2
Error degrees of freedom		10	12	12	34	12	12	24		58
CV (%)		15.6	13.2	7.8	12.9	4.4	8.0	6.6		10.8
R^2(%)		57	76	97	86	98	87	94		88

[1](E) = Experimental.

Table 18. Summary of 3-Year Yields for Maturity Group V Early for the 2003, 2004, and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DP5110S	DPL	70.0	67.2	57.0	64.6	50.3	57.0	53.6		60.1
USG 5002T	USG	67.6	64.9	50.4	60.7	48.6	62.1	55.4		58.5
USG 5601T	USG	62.1	60.6	49.2	57.1	49.0	62.4	55.7		56.5
Ozark	Public	61.1	59.6	50.4	56.9	49.7	65.1	57.4		57.1
Teejay	Public	65.4	63.9	52.5	60.4	46.4	67.8	57.1		59.1
Overall Mean		65.2	63.3	51.9	59.9	48.8	62.9	55.8		58.3
LSD (.10)		5.8	5.0	2.9	2.6	4.0	5.1	3.2		2.0
Error degrees of freedom		20	24	24	68	24	24	48		116
CV (%)		10.3	9.9	6.8	9.4	10.2	10.0	10.1		9.7
R^2(%)		64	87	98	92	92	74	90		92

[1]All are released varieties.

Table 19. Summary of 3-Year Yields for Maturity Group V Late for the 2003, 2004, and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK 5995	Delta King	61.8	62.2	45.3	56.2	49.3	52.3	49.3		53.4
Freedom	Public	60.5	60.0	47.9	56.0	36.2	47.6	41.9		50.2
Hutcheson	Public	57.6	60.1	46.2	54.5	36.6	54.7	45.7		50.9
Overall Mean		59.9	60.8	46.5	55.6	39.7	51.5	45.6		51.5
LSD (.10)		9.0	4.3	4.0	3.2	4.0	5.9	3.4		2.3
Error degrees of freedom		10	12	12	34	12	12	24		58
CV (%)		16.6	8.3	10.3	12.2	12.0	13.7	13.2		12.6
R^2(%)		75	89	96	91	93	84	91		92

[1]All are released varieties.

Table 20. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2003, 2004, and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	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 44-R4	Armor	48.1	53.4	49.9	34.5	46.4	55.6	51.2	53.4		48.8
AG4201	Asgrow	49.3	57.6	46.5	35.9	47.3	57.8	47.7	52.7		48.8
AG4403	Asgrow	48.9	52.1	48.6	37.2	46.6	55.6	53.9	54.8		49.4
DKB44-51	DEKALB	47.7	52.8	49.3	36.9	46.7	54.5	55.1	54.8		49.4
DKB46-51	DEKALB	50.1	55.9	48.5	41.1	48.8	57.0	57.2	57.1		51.6
DK4461	Delta King	50.1	55.8	51.2	36.2	48.2	56.6	59.1	57.9		51.5
DP4331RR	DPL	45.8	51.4	49.3	36.2	45.7	56.6	55.5	56.1		49.2
DP4546RR	DPL	53.9	54.7	47.8	36.3	48.0	52.1	56.9	54.5		50.2
DG3443NRR	Dyna Gro	47.2	54.7	48.4	36.0	46.6	56.9	54.7	55.8		49.7
DG3463NRR	Dyna Gro	45.9	43.8	43.1	37.7	42.5	49.1	52.6	50.8		45.3
Garst 4612RR/N	Garst	57.6	58.2	52.6	35.8	50.9	56.1	54.0	55.1		52.3
HBK R4623	Hornbeck	53.2	51.6	47.6	35.1	46.7	54.2	54.9	54.6		49.4
NK S43-B1	NK Brand	49.4	51.9	50.1	36.1	46.7	53.4	46.5	50.0		47.9
Progeny 4401RR	Progeny	51.3	53.3	50.8	37.7	48.2	54.8	58.4	56.6		51.0
USG 7440nRR	USG	50.1	53.7	50.9	36.7	47.8	55.4	55.1	55.2		50.3
Overall Mean		49.9	53.4	49.0	36.6	47.1	55.0	54.2	54.6		49.7
LSD (.10)		5.3	4.5	3.6	2.5	2.0	4.5	4.9	3.3		1.7
Error degrees of freedom		70	84	84	84	322	84	84	168		490
CV (%)		12.7	10.8	9.4	8.8	10.7	10.4	11.6	11.0		10.9
R^2(%)		86	80	95	93	92	45	70	62		89

[1]All are released varieties.

Table 21. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2003, 2004, and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	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 GP-474	Armor	61.8	63.3	54.6	33.8	53.1	58.0	56.6	57.3		54.5
DG4860RR	Delta Grow	61.7	55.1	52.8	32.8	50.3	55.7	52.4	54.0		51.5
DG4960RR	Delta Grow	57.0	55.9	50.0	40.4	50.7	61.6	64.7	63.2		54.9
DK4763	Delta King	53.4	56.0	51.0	36.4	49.1	63.3	50.1	56.7		51.7
DK4868	Delta King	57.4	64.3	51.8	36.1	52.3	52.2	54.0	53.1		52.5
DK4967	Delta King	59.2	56.0	53.3	32.3	49.9	58.1	51.0	54.5		51.5
DP4724RR	DPL	60.2	59.2	53.5	31.0	50.7	55.8	50.9	53.4		51.6
DP4933RR	DPL	62.9	65.5	50.4	37.3	53.8	51.5	52.0	51.8		53.1
DG3481NRR	Dyna Gro	60.6	56.2	54.9	33.0	50.9	54.5	51.7	53.1		51.7
DG36M49	Dyna Gro	60.8	62.0	53.1	33.2	52.0	61.1	62.9	62.0		55.4
ESXVT-17RR (E)	Eagle Seed	62.3	62.5	45.0	17.9	46.5	51.8	59.1	55.5		49.5
FFR 4922RR	FFR	64.4	63.2	49.3	36.3	52.9	52.8	54.2	53.5		53.2
RT 4802N	MorSoy	60.8	58.6	50.9	31.4	50.1	57.8	53.0	55.4		51.9
RT 4993N	MorSoy	62.2	60.0	52.6	33.6	51.8	58.2	53.2	55.7		53.1
NK S49-Q9	NK Brand	55.6	59.5	48.3	33.9	49.2	56.7	60.6	58.7		52.4
94B73	Pioneer	59.2	56.4	55.6	44.7	53.8	54.4	45.0	49.7		52.4
Progeny 4949RR	Progeny	63.6	60.9	57.3	36.0	54.2	57.0	58.2	57.6		55.3
SS RT4902N	Southern States	63.6	63.0	47.9	30.0	50.7	46.7	48.6	47.7		49.7
TV49R12	Terral	62.2	58.4	50.3	30.3	50.0	49.4	57.3	53.3		51.1
Overall Mean		60.5	59.8	51.7	33.7	51.2	55.6	54.5	55.1		52.5
LSD (.10)		5.1	3.2	2.4	2.6	1.7	5.0	4.9	3.5		1.6
Error degrees of freedom		90	108	108	108	414	108	108	216		630
CV (%)		10.1	6.9	6.0	9.8	8.3	11.6	11.5	11.5		9.7
R^2(%)		78	90	97	94	96	61	72	67		92

[1](E) = Experimental.

Table 22. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2003, 2004, and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor GP-513	Armor	64.3	65.7	57.6	62.5	47.5	53.9	50.5		57.7
AG5501	Asgrow	61.1	60.3	55.4	58.8	50.4	45.8	48.2		54.6
DG5260RR	Delta Grow	53.6	63.8	51.1	56.3	46.2	59.3	51.4		54.4
DG5460RR	Delta Grow	58.5	55.1	48.5	53.9	50.6	52.5	51.5		52.9
DG5630RR	Delta Grow	61.3	62.7	49.7	57.8	45.6	48.9	47.1		53.6
DG5650RR	Delta Grow	60.7	60.2	55.2	58.6	52.4	55.4	53.8		56.7
DK5161	Delta King	67.4	64.6	56.1	62.5	45.9	52.8	49.2		57.2
DK5366	Delta King	61.1	66.4	55.7	61.0	49.6	47.1	48.4		56.0
DP5414RR	DPL	54.4	59.9	51.5	55.3	47.9	53.8	50.7		53.5
DP5634RR	DPL	62.2	65.6	54.9	60.9	48.0	54.7	51.1		57.0
DG33B52	Dyna Gro	67.0	66.3	58.6	63.9	48.8	51.9	50.2		58.5
DG3535NRR	Dyna Gro	53.7	61.4	52.3	55.9	46.7	49.6	48.0		52.8
DG3562NRR	Dyna Gro	63.4	63.4	54.9	60.5	47.3	48.1	47.7		55.4
Garst 5212RR/N	Garst	57.7	58.8	48.1	54.8	44.7	43.4	44.1		50.5
HBK R5123	Hornbeck	55.6	54.3	47.3	52.3	35.7	37.5	36.6		46.1
HBK R5620	Hornbeck	59.8	62.6	49.2	57.1	47.3	46.8	47.1		53.1
RT 5553N	MorSoy	54.9	61.3	50.7	55.7	53.5	56.1	54.1		55.3
RT 5620N	MorSoy	62.9	61.5	55.8	60.0	46.3	51.7	48.8		55.6
NK S56-D7	NK Brand	62.2	63.1	52.8	59.2	47.5	59.3	53.0		56.8
95B43	Pioneer	65.9	65.1	55.9	62.1	41.7	52.9	47.0		56.1
Progeny 5250RR	Progeny	65.4	62.2	53.4	60.1	45.2	54.8	49.7		56.0
Progeny 5660RR	Progeny	61.3	64.1	48.5	57.8	47.6	45.8	46.8		53.4
SS RT5302N	Southern States	56.9	59.6	51.3	55.9	46.2	43.3	44.8		51.4
TV52R14	Terral	57.0	62.8	54.4	58.1	48.2	53.0	50.4		55.1
TV56R12	Terral	57.1	59.0	45.7	53.8	46.2	52.1	49.0		51.9
USG 7553nRS	USG	56.8	59.9	50.2	55.6	48.8	51.3	50.0		53.4
Overall Mean		60.1	61.9	52.5	58.1	47.2	50.8	48.8		54.4
LSD (.10)		4.4	4.0	2.9	2.2	4.7	4.7	3.3		1.8
Error degrees of freedom		125	150	150	425	150	125	275		700
CV (%)		8.8	8.2	7.1	8.1	12.6	11.2	12.0		9.5
R^2(%)		80	81	96	90	82	81	82		89

[1]All are released varieties.

Table 23. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2003, 2004, and 2005 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG5903	Asgrow	57.5	60.5	49.5	55.8	52.0	50.1	51.1		53.9
DG5960RR	Delta Grow	59.1	62.3	51.7	57.6	47.7	49.9	48.7		54.1
DK5967	Delta King	61.2	61.0	50.3	57.4	47.5	46.2	46.9		53.2
DP5915RR	DPL	62.1	59.0	49.2	56.5	49.4	47.1	48.3		53.3
DG3583NRR	Dyna Gro	58.9	58.7	52.1	56.4	51.2	46.3	48.9		53.4
DG38K57	Dyna Gro	57.5	58.4	52.5	56.1	44.6	52.7	48.4		53.0
ESXVT-41RR (E)	Eagle Seed	61.2	54.5	46.2	53.7	47.5	35.6	41.9		49.0
ESXVT-46RR (E)	Eagle Seed	61.0	59.2	47.8	55.8	45.5	42.7	44.1		51.2
Garst 5924RR/N	Garst	63.6	59.4	52.2	58.2	50.8	53.4	52.0		55.8
Progeny 5822RR	Progeny	63.0	61.9	52.0	58.8	46.5	50.2	48.2		54.6
SS RT5702N	Southern States	64.6	61.1	49.6	58.2	42.9	38.9	41.0		51.4
TV57R14	Terral	59.5	62.1	54.6	58.7	46.4	53.1	49.6		55.1
TV59R14	Terral	61.0	60.9	51.1	58.6	48.7	48.9	48.8		54.7
Overall Mean		60.8	59.9	50.9	57.0	47.7	47.3	47.5		53.3
LSD (.10)		4.7	4.0	3.2	2.3	4.8	5.1	3.5		1.9
Error degrees of freedom		60	72	72	204	72	60	132		336
CV (%)		9.3	8.5	8.1	8.7	12.8	13.0	12.9		10.2
R^2(%)		72	81	97	92	85	91	89		91

[1](E) = Experimental.

Location 1. MAFES Delta Branch, Stoneville

Location Summary

Nonirrigated trials were planted in adequate moisture and emerged rapidly. This dryland location was a well-drained Sharkey clay soil with adequate fertility. Moisture was adequate during the first 6 weeks after planting, and adequate plant growth occurred. An extended drought occurred during most of the reproductive development period, which dramatically reduced yield potential. In addition, potato leafhoppers were present in large numbers at this location, and leaf tip burn and chlorosis associated with damage was apparent in some varieties. As would be expected, smooth-leaf varieties appeared to be most greatly affected. It should be noted that this location did receive deep tillage during the winter, and planting was slightly delayed due to soft soil conditions.

Irrigated trials emerged rapidly, and early growth was adequate. An extended drought occurred during most of the growing season. Consequently, irrigation was initiated early and continued late into the growing season. Damage from potato leafhoppers was apparent at this location, and varieties were rated for differential tolerance to this pest. As would be expected, smooth-leaf varieties appeared to be more susceptible to potato leafhopper damage. Soybean rust was not detected during the growing season, and fungicide applications were not made at this location.

Soil type . . . . . **Sharkey clay**
Soil pH **7.5**
Soil fertility . . . . . **P=H; K=H**
Fertilizer added . . . . . **None**
Herbicide application . . . **Postemergence — Nonirrigated – Roundup Ready O'Max @ 22 oz/A on 5-26-05 & 6-7-05**
Irrigated — Roundup Ready O'Max @ 22 oz/A on 6-6-05 & 6-28-05
Conventional — Irrigated – Conclude @ 1 pt/A + First Rate @ 0.3 oz/A + COC on 6-22-05
Insecticide . . . . . **Karate @ 1.6 oz/A + Intrepid @ 1 oz/A on 7-16-05**
Irrigation . . . . . **May 4, June 13, June 23 August 3, and August 19.**
Planting date . . . . . **Group III, & RR IV E & L Nonirrigated (April 22); All Others (May 5).**
Harvest date . . . . . **Group III, & RR IV E & L Nonirrigated (September 6); RR IV E Irr. (September 9); Group IV Conventional & RR VL Irr. (September 20); VE Irr. Conventional & RR (October 4); Group VL Irr. Conventional & RR (October 11)**

Table 24. Maturity Group IV Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DT98-7278 (E)	Public	53.0	26.0	63.3	09/15	24	1
UA4805 (E)	Public	—	—	63.1	09/16	22	1
S00-9925-10 (E)	Public	—	19.8	62.9	09/13	21	1
DP4748S	DPL	60.8	34.5	61.5	09/10	35	1
Progeny 4910	Progeny	67.9	30.9	60.5	09/11	42	1
DT99-17400 (E)	Public	—	—	60.0	09/16	22	1
Overall Mean		56.1	25.5	61.9			
LSD (.10)		6.2	7.2	7.1			
Error degrees of freedom		16	14	10			
CV (%)		7.6	19.7	7.7			
R^2 (%)		79	72	17			

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

Rainfall Summary

	Inches
April	4.53
May	2.11
June	0.73
July	4.19
August	4.98
September	7.03
Total	23.57

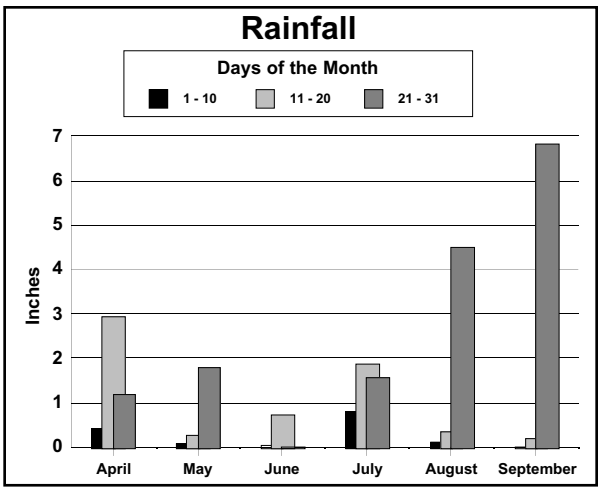

Table 25. Maturity Group V Early Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
Teejay	Public	66.5	24.4	66.6	09/17	23	1
USG 5002T	USG	62.7	24.1	64.3	09/17	23	1
USG 5601T	USG	60.5	25.0	62.0	09/19	30	1
DP5110S	DPL	70.4	39.5	61.1	09/15	41	3
Ozark	Public	62.3	31.0	58.1	09/20	25	2
DB01-080 (E)	Public	—	—	58.0	09/17	23	2
S00-9970-09 (E)	Public	—	—	57.5	09/21	27	1
DB01-5463 (E)	Public	—	—	56.8	09/22	26	1
HBK C5025	Hornbeck	—	—	52.6	09/17	47	3
DB01-4249 (E)	Public	—	—	52.3	09/18	22	2
Overall Mean		64.8	26.3	58.9			
LSD (.10)		5.0	4.6	6.5			
Error degrees of freedom		26	28	18			
CV (%)		5.5	12.5	7.8			
R^2 (%)		67	82	62			

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

Table 26. Maturity Group V Late Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5770	Progeny	—	25.0	61.4	09/26	31	1
R97-1634 (E)	Public	—	22.6	53.6	10/09	26	1
Freedom	Public	62.4	30.0	51.4	09/23	22	1
DK5870RR	Delta King	—	—	51.4	09/23	37	1
HBK C5894	Hornbeck	—	30.6	49.2	09/22	35	2
Hutcheson	Public	63.6	26.1	48.9	09/21	26	1
DK 5995	Delta King	66.1	23.2	46.6	10/02	29	1
R98-209	Public	—	—	34.6	10/11	25	1
Overall Mean		59.7	26.4	49.6			
LSD (.10)		4.2	4.2	10.3			
Error degrees of freedom		26	18	14			
CV (%)		5.1	11.2	14.4			
R^2 (%)		82	81	68			

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

Table 27. Roundup Ready Maturity Group III Soybeans Nonirrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 3964RR	Delta King	—	49.9	30.5	08/09	26	1
AG3905	Asgrow	46.3	50.4	29.2	08/08	24	1
MorSoy RT 3883N	MorSoy	—	—	27.6	08/08	27	1
AG3802	Asgrow	—	43.7	26.1	08/08	23	1
AV38T7	AgVenture	—	—	24.7	08/07	23	1
Progeny 3900RR	Progeny	43.9	49.8	23.4	08/08	22	1
DG 31J39	Dyna Gro	—	—	23.2	08/08	26	1
AG3906	Asgrow	—	51.6	23.2	08/10	21	1
DG 37R39	Dyna Gro	—	—	23.2	08/05	21	1
DG3950RR	Delta Grow	—	—	22.6	08/09	19	1
Progeny 3805RR	Progeny	—	—	22.4	08/07	18	1
TV39RS31	Terral	37.7	40.1	22.2	08/09	21	1
93M90	Pioneer	34.3	46.5	21.7	08/09	22	1
DP3861RR	DPL	35.9	46.6	20.9	08/07	20	1
DG 33A37	Dyna Gro	—	—	20.8	08/04	21	1
NK S39-K6	NK Brand	—	45.7	19.9	08/05	20	1
3960RR/N	Garst	—	—	19.5	08/08	23	1
DG 3373	Dyna Gro	—	—	19.5	08/04	21	1
Progeny 3905RR	Progeny	—	—	19.0	08/07	23	1
DK XTJ638 (E)	Delta King	—	—	18.3	08/05	19	1
DK 3967	Delta King	—	—	17.9	08/06	22	1
Armor GPX 3930 (E)	Armor	—	—	17.1	08/09	21	1
DG 3392	Dyna Gro	—	—	16.5	08/08	20	1
DK 3968RR	Delta King	33.4	49.6	12.7	08/07	21	1
DK XTJ635 (E)	Delta King	—	—	12.3	08/04	18	1
Overall Mean		38.8	47.3	21.4			
LSD (.10)		3.7	4.6	6.0			
Error degrees of freedom		38	24	48			
CV (%)		6.8	7.0	20.4			
R^2 (%)		79	67	62			

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

Table 28. Roundup Ready Maturity Group IV Early Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor GP-454	Armor	—	—	74.4	09/03	36	1
USG 7466nRR	USG	—	—	73.8	09/04	36	1
X841029 (E)	Vigoro	—	—	72.8	06/07	36	1
DG4660RR	Delta Grow	—	—	72.2	09/04	34	1
4612RR/N	Garst	58.1	28.2	71.4	09/03	31	1
Progeny 4401RR	Progeny	56.1	26.6	69.8	09/03	33	1
Progeny 4615RR	Progeny	—	—	69.1	06/05	34	1
DK 4461RR	Delta King	54.6	31.0	68.1	09/03	32	1
Progeny 4205RR	Progeny	—	—	67.3	08/31	29	1
Progeny 4315RR	Progeny	—	—	67.3	08/30	32	2
DK 4667	Delta King	—	—	67.1	09/03	33	1
DP4331RR	DPL	52.3	28.9	66.7	09/01	31	1
MorSoy RT 4480	MorSoy	—	—	65.9	09/02	34	1
DG4150RR	Delta Grow	—	—	65.8	09/02	27	1
DK XTJ640 (E)	Delta King	—	—	65.6	09/04	32	1
USG 7434nRR	USG	—	32.1	65.5	09/01	22	1
Armor 44-R4	Armor	55.1	29.2	65.3	08/30	30	1
MorSoy RT 4665N (E)	MorSoy	—	—	64.9	06/06	34	1
DG4460RR	Delta Grow	—	—	64.5	08/31	34	1
DP4546RR	DPL	54.9	24.0	64.5	09/04	34	1
USG 7455nRR	USG	—	—	63.9	08/31	32	1

Continued.

Table 28 (cont.). Roundup Ready Maturity Group IV Early Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
94M30	Pioneer	—	—	63.8	09/03	27	1
Progeny 4405RR	Progeny	—	—	63.8	08/31	34	1
DKB44-51	DEKALB	57.1	27.1	63.7	09/02	30	1
AG4703	Asgrow	—	—	63.6	09/03	27	1
USG 7440nRR	USG	60.2	28.9	63.6	08/31	34	1
AV44D4	AgVenture	—	—	63.6	09/02	34	1
AG4503	Asgrow	—	—	63.4	09/03	32	1
DK XTJ6D44 (E)	Delta King	—	—	63.4	09/03	37	1
AV46J5NRR	AgVenture	—	30.9	63.4	09/03	29	1
4842-4	Stine	—	—	63.3	09/06	32	1
DG 35B40	Dyna Gro	—	—	63.1	09/03	26	1
TVX46R223 (E)	Terral	—	—	63.1	09/04	32	1
FFR 4545RR	FFR	—	—	63.0	09/04	29	1
Armor GP 422	Armor	—	—	62.9	08/27	30	1
TVX41R50 (E)	Terral	—	—	62.4	08/26	30	1
DG 3443NRR	Dyna-Gro	56.8	26.2	62.3	08/30	31	1
NK S43-B1	NK	58.1	30.1	62.1	08/29	29	1
DG4250RR	Delta Grow	—	—	62.1	08/28	34	2
AG4201	Asgrow	55.3	22.1	62.0	08/30	28	1
AG4403	Asgrow	56.7	27.6	61.6	09/03	33	1
DKB46-51	DEKALB	57.7	26.3	61.5	09/02	27	1
HBK R3824	Hornbeck	—	—	61.2	08/29	28	1
SS RT4651N	Southern States	—	—	61.1	09/09	29	1
TV45R14	Terral	—	35.4	61.1	08/31	35	1
V41N6RR	Vigoro	—	—	61.0	08/31	30	1
AG4404	Asgrow	—	—	60.5	08/31	26	1
TV46R15	Terral	—	30.9	60.4	09/04	34	1
DKB42-51	DEKALB	—	—	60.1	08/28	25	1
RC 4455	Croplan Genetics	—	—	60.0	08/29	30	1
Armor 42-B2	Armor	—	—	59.9	08/26	31	1
MorSoy RT 4485N (E)	MorSoy	—	—	59.7	09/01	31	1
DPX 1908RR (E)	DPL	—	—	59.6	08/28	32	1
TVX46R213 (E)	Terral	—	—	59.5	09/05	35	1
DK XTJ6D42 (E)	Delta King	—	—	59.5	09/01	30	1
DK XTJ601 (E)	Delta King	—	—	59.0	09/02	30	1
DG 37A44	Dyna Gro	—	—	58.9	08/30	30	1
HBK R4623	Hornbeck	57.7	26.4	58.8	08/30	32	1
TVX43R51 (E)	Terral	—	—	58.6	08/28	30	1
V44N6RR	Vigoro	—	—	58.4	08/30	29	1
AV42D1	AgVenture	—	—	56.7	08/31	32	1
DK4661	Delta King	—	43.4	56.5	09/04	33	1
RC 4095	Croplan Genetics	—	—	55.0	08/24	31	2
RC 4655	Croplan Genetics	—	—	55.0	09/04	36	1
DG 3463NRR	Dyna-Gro	52.6	22.1	54.5	09/03	28	1
DK4566	Delta King	—	—	54.3	08/28	33	1
TVX47RT16 (E)	Terral	—	—	50.8	09/08	34	1
Overall Mean		55.2	26.3	62.8			
LSD (.10)		4.6	5.6	6.5			
Error degrees of freedom		52	98	132			
CV (%)		6.0	15.7	7.7			
R^2 (%)		62	80	59			

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

Table 29. Roundup Ready Maturity Group IV Late Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK4866	Delta King	—	30.4	75.0	09/05	32	1
495.RC	Schillinger	—	39.4	73.4	09/10	32	1
94B73	Pioneer	58.2	35.5	73.0	09/03	31	1
DK XTJ602 (E)	Delta King	—	—	72.5	09/05	34	1
DK XTJ650 (E)	Delta King	—	—	69.7	09/04	34	1
AG4801	Asgrow	—	30.4	69.7	09/04	28	1
ESXVT-487RR (E)	Eagle Seed	—	—	69.3	09/07	34	1
DPX 4919RR/S (E)	DPL	—	—	69.0	09/10	38	1
DK4967RR	Delta King	57.4	33.6	68.8	09/03	31	1
DG 4860RR	Delta Grow	57.3	32.3	68.8	09/04	33	1
AG4903	Asgrow	—	35.4	68.6	09/11	31	1
MorSoy RT 4914N (E)	MorSoy	—	—	68.0	09/08	36	1
DG 35Z49	Dyna Gro	—	—	67.9	09/16	39	1
DK4868RR	Delta King	60.8	26.9	67.6	09/08	27	1
AG4703	Asgrow	—	—	67.2	09/04	30	1
476.RC	Schillinger	—	—	67.1	09/07	30	1
AV 50D2NRR	AgVenture	—	—	66.9	09/10	31	1
DK XTJ6025 (E)	Delta King	—	—	66.5	09/10	35	1
Armor GP-488	Armor	—	—	66.5	09/11	33	1
4999RR/N	Garst	—	42.5	66.5	09/15	33	1
DP4724RR	DPL	59.3	34.8	66.4	09/04	33	1
TV48R43	Terral	—	39.6	66.3	09/04	32	1
TVX49R50 (E)	Terral	—	—	66.2	09/16	38	1
DG 3481NRR	Dyna-Gro	61.2	37.3	66.1	09/03	33	1
USG 7484nRR	USG	—	33.6	66.1	09/11	32	1
SS RT4981N	Southern States	—	—	66.0	09/16	33	1
USG 7494nRR	USG	—	33.2	66.0	09/06	31	1
MorSoy RT 4955N (E)	MorSoy	—	—	66.0	09/12	35	1
DG 36M49	Dyna-Gro	61.9	31.4	65.9	09/06	31	1
TV48R14	Terral	—	36.9	65.8	09/08	36	1
Progeny 4949RR	Progeny	65.0	41.2	65.6	09/16	34	1
S03-166 (E)	Public	—	—	65.5	09/05	34	1
HBK R4724	Hornbeck	—	33.2	65.3	09/12	31	1
DK 4766RR	Delta King	—	—	65.3	09/05	32	1
V50N6RR	Vigoro	—	—	65.2	09/09	38	1
HBK R4924	Hornbeck	—	40.6	65.1	06/14	37	1
DG 4970RR	Delta Grow	—	41.6	64.7	09/08	32	1
FFR 4925RR	FFR	—	—	64.7	09/18	37	1
V49N6RR	Vigoro	—	—	64.3	09/15	32	1
94M80	Pioneer	—	—	64.3	09/03	35	1
DG 36Y48	Dyna Gro	—	—	64.2	09/11	32	1
DK 4763RR	Delta King	58.0	31.0	64.1	09/02	29	1
DK XTJ6G51 (E)	Delta King	—	—	63.7	09/17	35	1
MorSoy RT 4802	MorSoy	58.7	30.7	63.4	09/02	29	1
Armor GP 474	Armor	66.8	34.0	63.0	09/09	27	1
MorSoy RT 4993	MorSoy	65.2	29.6	62.9	09/06	28	1
DG 4840RR	Delta Grow	—	32.8	62.7	09/07	31	1
Progeny 4804RR	Progeny	—	32.5	62.6	09/06	30	1
V48N5RR	Vigoro	—	37.5	62.5	09/07	29	1
TSR49RL45 (E)	Terral	—	—	62.4	09/16	37	1
FFR 4705RR	FFR	—	—	61.9	09/07	28	1
USG 747R6	USG	—	—	61.5	09/16	27	1
AV49J7NRR	AgVenture	—	34.5	61.5	09/06	30	1
USG 7499nRR	USG	—	29.2	61.1	09/08	34	1
TSR47RJ41 (E)	Terral	—	—	60.7	09/10	45	1
Progeny 4805RR	Progeny	—	—	60.6	09/10	35	1
Armor ARX F47105 (E)	Armor	—	—	60.2	09/09	28	1
S03-390 (E)	Public	—	—	60.2	09/20	33	1
DPX 4818RR/S (E)	DPL	—	—	60.1	09/14	39	1
RT 5130N	Southern States	—	28.3	60.0	09/10	20	1
DG 4960RR	Delta Grow	59.4	30.9	59.7	09/10	30	1
AV48D1NRR	AgVenture	—	—	59.3	09/06	35	1
Armor ARX D49104 (E)	Armor	—	—	58.7	09/10	34	1
Armor GP 470	Armor	—	—	58.6	09/02	32	1

Continued.

Table 29 (cont.). Roundup Ready Maturity Group IV Late Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ648 (E)	Delta King	—	—	58.4	08/31	34	1
ESXVT-489RR (E)	Eagle Seed	—	—	58.4	09/09	41	1
DP4933RR	DPL	59.9	33.3	58.1	09/15	36	1
MorSoy RT 4731	MorSoy	—	—	58.1	09/02	26	1
DG 3484nRR	Dyna-Gro	—	—	57.9	09/04	32	1
NK S49-Q9	NK	55.5	31.6	57.8	09/15	31	1
DK XTJ6L49 (E)	Delta King	—	—	57.4	09/06	27	1
TV49R12	Terral	58.5	35.6	56.9	09/10	44	1
FFR 4922RR	FFR	59.6	31.7	56.6	09/16	39	1
RC 4992	Croplan Genetics	—	—	54.8	09/15	38	1
SS RT 4902	Southern States	56.9	32.1	54.6	09/22	32	1
TVX47R203 (E)	Terral	—	—	54.1	09/15	35	1
TSR48RK33 (E)	Terral	—	—	52.1	09/16	41	1
TVX47R213 (E)	Terral	—	—	51.3	09/17	35	1
ESXVT-17RR (E)	Eagle Seed	53.1	34.9	47.0	09/18	35	1
Overall Mean		57.3	33.1	63.3			
LSD (.10)		3.8	4.5	5.0			
Error degrees of freedom		104	148	156			
CV (%)		4.8	10.0	5.8			
R^2 (%)		79	73	75			

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

Table 30. Roundup Ready Maturity Group IV Early Soybeans Nonirrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 3463NRR	Dyna-Gro	34.3	46.1	32.7	08/16	28	1
DKB46-51	DEKALB	36.2	54.7	32.5	08/16	22	1
Progeny 4405RR	Progeny	—	—	32.5	08/15	30	1
DG 35B40	Dyna Gro	—	—	32.1	08/15	23	1
MorSoy RT 4485N (E)	MorSoy	—	—	32.1	08/14	28	1
Progeny 4205RR	Progeny	—	—	32.1	08/13	22	1
MorSoy RT 4665N (E)	MorSoy	—	—	31.7	08/16	29	1
AV44D4	AgVenture	—	—	31.6	08/14	26	1
DG4660RR	Delta Grow	—	—	30.9	08/15	27	1
Armor GP-454	Armor	—	—	30.9	08/15	29	1
TVX41R50 (E)	Terral	—	—	30.6	08/12	25	1
DP4331RR	DPL	31.6	46.6	30.5	08/13	24	1
USG 7440nRR	USG	33.2	46.6	30.4	08/14	28	1
Progeny 4401RR	Progeny	33.6	49.3	30.1	08/14	24	1
DK XTJ640 (E)	Delta King	—	—	30.1	08/15	25	1
USG 7466nRR	USG	—	—	29.8	08/16	26	1
DG4150RR	Delta Grow	—	—	29.8	08/12	27	1
HBK R4623	Hornbeck	29.9	45.7	29.8	08/15	33	1
USG 7455nRR	USG	—	—	29.8	08/15	28	1
TV46R15	Terral	—	43.3	29.6	08/16	31	1
AG4703	Asgrow	—	—	29.6	08/16	21	1
DG4460RR	Delta Grow	—	—	29.5	08/14	25	1
TVX46R223 (E)	Terral	—	—	29.4	08/16	35	1
AG4403	Asgrow	32.1	50.1	29.4	08/13	24	1
X841029 (E)	Vigoro	—	—	29.0	08/12	30	1
Armor 42-B2	Armor	—	—	28.9	08/12	25	1
DK 4667	Delta King	—	—	28.9	08/16	29	1
AG4503	Asgrow	—	—	28.8	08/15	25	1
Progeny 4615RR	Progeny	—	—	28.5	08/15	27	1
DK XTJ601 (E)	Delta King	—	—	28.0	08/15	28	1

Continued.

Table 30 (cont.). Roundup Ready Maturity Group IV Early Soybeans Nonirrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
MorSoy RT 4480	MorSoy	—	—	27.8	08/13	28	1
Armor GP 422	Armor	—	—	27.7	08/12	23	1
DK XTJ6D44 (E)	Delta King	—	—	27.6	08/13	27	1
RC 4655	Croplan Genetics	—	—	27.4	08/15	27	1
RC 4455	Croplan Genetics	—	—	27.4	08/14	30	1
DG 3443NRR	Dyna-Gro	35.0	45.5	27.4	08/13	22	1
TVX46R213 (E)	Terral	—	—	27.3	08/15	35	1
TVX43R51 (E)	Terral	—	—	26.6	08/13	27	1
DG 37A44	Dyna Gro	—	—	26.3	08/16	24	1
DK4566	Delta King	—	—	26.2	08/13	28	1
DKB44-51	DEKALB	36.8	47.9	26.1	08/14	23	1
AG4404	Asgrow	—	—	26.0	08/13	23	1
HBK R3824	Hornbeck	—	—	26.0	08/12	25	1
Progeny 4315RR	Progeny	—	—	25.9	08/14	25	1
FFR 4545RR	FFR	—	—	25.7	08/16	26	1
4842-4	Stine	—	—	25.7	08/13	30	1
DK 4461RR	Delta King	34.4	48.4	25.7	08/14	26	1
DK4661	Delta King	—	47.4	25.3	08/16	29	1
94M30	Pioneer	—	—	25.2	08/13	23	1
AV42D1	AgVenture	—	—	25.2	08/12	26	1
DG4250RR	Delta Grow	—	—	25.1	08/12	26	1
NK S43-B1	NK	32.5	51.1	24.8	08/14	20	1
4612RR/N	Garst	30.5	52.3	24.5	08/16	27	1
V44N6RR	Vigoro	—	—	24.3	08/14	27	1
TVX47RT16 (E)	Terral	—	—	24.1	08/16	31	1
USG 7434nRR	USG	—	57.8	24.1	08/14	18	1
AV46J5NRR	AgVenture	—	50.7	23.6	08/16	25	1
DP4546RR	DPL	33.5	52.1	23.4	08/15	26	1
RC 4095	Croplan Genetics	—	—	22.8	08/10	25	1
Armor 44-R4	Armor	34.9	45.9	22.6	08/13	23	1
TV45R14	Terral	—	45.3	22.5	08/15	32	1
SS RT4651N	Southern States	—	—	22.3	08/16	23	1
DPX 1908RR (E)	DPL	—	—	22.3	08/14	25	1
AG4201	Asgrow	34.9	52.2	20.7	08/13	22	1
DKB42-51	DEKALB	—	—	20.1	08/12	21	1
V41N6RR	Vigoro	—	—	19.5	08/13	21	1
DK XTJ6D42 (E)	Delta King	—	—	18.9	08/16	23	1
Overall Mean		33.5	46.7	27.2			
LSD (.10)		3.9	4.3	4.1			
Error degrees of freedom		52	98	132			
CV (%)		8.4	6.7	11.0			
R^2 (%)		50	75	69			

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

Table 31. Roundup Ready Maturity Group IV Late Soybeans Nonirrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
RT 5130N	Southern States	—	50.7	39.7	08/20	24	1
94B73	Pioneer	39.1	57.6	37.5	08/17	24	1
DG 4960RR	Delta Grow	34.2	49.8	37.3	08/18	23	1
495.RC	Schillinger	—	59.8	32.5	08/20	29	1
V49N6RR	Vigoro	—	—	31.5	08/18	26	1
MorSoy RT 4731	MorSoy	—	—	30.7	08/18	24	1
Progeny 4805RR	Progeny	—	—	30.6	08/16	28	1
DG 4970RR	Delta Grow	—	58.0	30.0	08/18	26	1
FFR 4922RR	FFR	35.0	44.5	29.4	08/19	36	1
AG4801	Asgrow	—	54.5	28.6	08/17	22	1
AG4703	Asgrow	—	—	28.2	08/17	22	1
DP4933RR	DPL	34.7	49.1	28.1	08/18	34	1
AV 50D2NRR	AgVenture	—	—	27.8	08/20	30	1
S03-390 (E)	Public	—	—	27.7	08/20	28	1
DPX 4919RR/S (E)	DPL	—	—	27.7	08/19	32	1
MorSoy RT 4914N (E)	MorSoy	—	—	27.4	08/20	29	1
Progeny 4949RR	Progeny	34.7	45.9	27.4	08/19	27	1
TV48R14	Terral	—	41.6	27.1	08/18	28	1
DG 3484nRR	Dyna-Gro	—	—	27.1	08/17	28	1
DK 4763RR	Delta King	33.7	48.6	26.8	08/16	23	1
4999RR/N	Garst	—	40.4	26.8	08/18	26	1
DK 4766RR	Delta King	—	—	26.5	08/17	23	1
DG 35Z49	Dyna Gro	—	—	26.3	08/18	30	1
AV49J7NRR	AgVenture	—	42.5	26.2	08/19	27	1
Armor GP-488	Armor	—	—	26.2	08/17	27	1
94M80	Pioneer	—	—	26.1	08/18	23	1
NK S49-Q9	NK	34.0	41.6	26.1	08/20	29	1
DK4868RR	Delta King	34.6	47.8	26.0	08/18	27	1
DPX 4818RR/S (E)	DPL	—	—	25.9	08/19	32	1
DK XTJ6L49 (E)	Delta King	—	—	25.8	08/19	27	1
HBK R4924	Hornbeck	—	41.8	25.8	08/19	31	1
DK XTJ602 (E)	Delta King	—	—	25.6	08/18	25	1
476.RC	Schillinger	—	—	24.7	08/16	25	1
TSR47RJ41 (E)	Terral	—	—	24.6	08/16	27	1
AG4903	Asgrow	—	44.2	24.6	08/20	25	1
DG 36Y48	Dyna Gro	—	—	24.5	08/17	28	1
USG 7494nRR	USG	—	44.8	24.4	08/21	28	1
Progeny 4804RR	Progeny	—	45.1	24.4	08/17	26	1
USG 747R6	USG	—	—	24.4	08/18	24	1
RC 4992	Croplan Genetics	—	—	24.3	08/20	36	1
USG 7499nRR	USG	—	42.9	24.3	08/20	29	1
S03-166 (E)	Public	—	—	23.8	08/19	27	1
ESXVT-487RR (E)	Eagle Seed	—	—	23.7	08/17	26	1
TSR49RL45 (E)	Terral	—	—	23.4	08/20	37	1
DG 36M49	Dyna-Gro	30.7	45.8	23.2	08/16	27	1
TV49R12	Terral	30.9	37.1	23.1	08/20	31	1
Armor ARX F47105 (E)	Armor	—	—	23.0	08/17	26	1
Armor GP 474	Armor	32.1	46.7	22.8	08/18	27	1
TSR48RK33 (E)	Terral	—	—	22.4	08/18	32	1
DK XTJ6025 (E)	Delta King	—	—	22.3	08/19	25	1
AV48D1NRR	AgVenture	—	—	22.2	08/19	28	1
USG 7484nRR	USG	—	44.5	22.2	08/19	25	1
TV48R43	Terral	—	46.7	22.1	08/18	25	1
DG 4860RR	Delta Grow	28.3	47.9	22.0	08/16	27	1
DP4724RR	DPL	27.3	43.8	21.8	08/16	24	1
DG 4840RR	Delta Grow	—	48.4	21.2	08/18	27	1
DK XTJ650 (E)	Delta King	—	—	21.1	08/18	28	1
MorSoy RT 4993	MorSoy	33.9	46.4	20.6	08/21	27	1
TVX47R213 (E)	Terral	—	—	20.6	08/17	32	1
MorSoy RT 4802	MorSoy	27.9	45.8	20.5	08/19	26	1
Armor GP 470	Armor	—	—	20.5	08/18	26	1
MorSoy RT 4955N (E)	MorSoy	—	—	20.1	08/21	29	1
SS RT4981N	Southern States	—	—	19.9	08/18	29	1
TVX47R203 (E)	Terral	—	—	19.6	08/17	26	1

Continued.

Table 31 (cont.). Roundup Ready Maturity Group IV Late Soybeans Nonirrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
V48N5RR	Vigoro	—	45.9	19.5	08/20	21	1
DK4967RR	Delta King	26.9	50.8	19.2	08/20	23	1
V50N6RR	Vigoro	—	—	19.0	08/18	26	1
DK4866	Delta King	—	40.3	18.5	08/18	21	1
DG 3481NRR	Dyna-Gro	31.2	49.5	18.5	08/18	26	1
Armor ARX D49104 (E)	Armor	—	—	18.5	08/20	30	1
DK XTJ6G51 (E)	Delta King	—	—	18.1	08/20	27	1
ESXVT-489RR (E)	Eagle Seed	—	—	18.1	08/21	30	1
FFR 4705RR	FFR	—	—	17.8	08/17	24	1
HBK R4724	Hornbeck	—	48.0	17.8	08/19	23	1
DK XTJ648 (E)	Delta King	—	—	17.5	08/20	28	1
FFR 4925RR	FFR	—	—	16.4	08/19	25	1
TVX49R50 (E)	Terral	—	—	15.4	08/19	32	1
SS RT 4902	Southern States	33.3	40.8	14.9	09/06	34	1
ESXVT-17RR (E)	Eagle Seed	18.0	22.7	13.0	08/17	33	1
Overall Mean		30.1	43.8	24.1			
LSD (.10)		3.2	4.9	5.0			
Error degrees of freedom		104	148	156			
CV (%)		7.8	7.2	15.3			
R^2 (%)		84	87	73			

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

Table 32. Roundup Ready Maturity Group V Early Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG5160RR	Delta Grow	—	—	70.3	09/15	37	2
DK XTJ6G510 (E)	Delta King	—	—	69.9	09/15	42	2
Progeny 5115RR	Progeny	—	—	67.1	09/16	36	2
DK 5066RR	Delta King	—	—	66.8	09/15	32	2
USG 7505nRR	USG	—	—	66.2	09/15	36	3
Armor GP 513	Armor	66.6	41.9	64.4	09/16	23	1
95B43	Pioneer	68.5	34.9	64.2	09/20	23	1
Armor ARX A50104 (E)	Armor	—	—	63.4	09/14	32	3
TVX51R50 (E)	Terral	—	—	63.2	09/14	33	2
5142-4	Stine	—	—	63.2	09/12	31	3
Progeny 5105RR	Progeny	—	—	61.5	09/15	31	1
DG 33B52	Dyna-Gro	69.6	44.9	61.3	09/17	28	2
HBK R5525	Hornbeck	—	—	61.0	10/02	23	1
DK XTJ6501 (E)	Delta King	—	—	60.7	09/13	34	4
DG 5650RR	Delta Grow	68.0	37.2	60.4	09/23	31	1
USG 7582nRR	USG	—	—	60.4	09/28	31	1
FFR 5033RR	FFR	—	37.6	60.3	09/14	24	1
DK XTJ603 (E)	Delta King	—	—	60.1	09/16	25	1
Armor GP 555	Armor	—	—	59.5	09/19	23	1
AG5501	Asgrow	69.6	37.0	59.4	09/23	28	1
TV52R14	Terral	67.4	36.5	59.2	09/16	30	2
Progeny 5205RR	Progeny	—	—	59.2	09/13	34	4
Progeny 5250RR	Progeny	66.1	35.1	59.2	09/17	23	1
FFR 5663RR	FFR	—	37.4	59.1	09/21	26	1
DK55T6RR	Delta King	—	35.0	58.8	09/28	27	1
Armor GP 530	Armor	—	33.6	58.2	09/17	28	1
AVXD53 (E)	AgVenture	—	—	58.1	09/20	30	1
USG 7515nRR	USG	—	—	58.1	09/16	31	2
HBK R5324	Hornbeck	—	33.8	58.1	09/14	26	1
DP5634RR	DPL	69.0	37.8	57.9	09/24	32	1

Continued.

Table 32 (cont.). Roundup Ready Maturity Group V Early Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG5560RR	Delta Grow	—	—	57.7	09/24	26	1
DK 5466RR	Delta King	—	—	57.6	09/19	25	2
DK 5366RR	Delta King	71.7	37.6	57.6	09/27	31	2
DG 5260RR	Delta Grow	65.4	30.5	57.3	09/17	29	2
DK5567RR	Delta King	—	37.5	57.2	09/23	24	1
TV56R45	Terral	—	36.4	57.1	09/24	21	1
Armor 54-03	Armor	—	28.9	56.7	09/19	24	1
AG5702	Asgrow	—	—	56.7	09/20	29	1
ESXVT-520RR (E)	Eagle Seed	—	—	56.7	09/16	29	1
USG 7553nRS	USG	63.2	30.8	56.6	09/21	24	1
MorSoy RT 5620	MorSoy	73.3	37.6	56.6	09/21	28	2
DK 5161RR	Delta King	67.7	43.9	56.6	09/16	24	1
DK XTJ604 (E)	Delta King	—	—	56.4	09/24	26	1
TSR53RJ42 (E)	Terral	—	—	56.1	09/20	27	1
AV54D4	AgVenture	—	—	55.6	09/18	45	2
ESXVT-552RR (E)	Eagle Seed	—	—	55.6	09/29	25	1
RT 5540N	Southern States	—	34.4	55.4	09/20	32	2
Progeny 5650RR	Progeny	—	—	55.1	09/29	27	2
DG 5460RR	Delta Grow	62.4	28.3	54.8	09/22	21	1
SS RT 5302N	Southern States	66.6	32.3	54.8	09/18	29	1
Progeny 5622RR	Progeny	—	37.1	54.7	09/29	32	1
DG 3562NRR	Dyna-Gro	71.1	39.1	54.6	09/26	33	1
RC 5332	Croplan Genetics	—	—	54.2	09/21	31	1
95M50	Pioneer	—	—	53.8	09/20	28	1
MorSoy RT 5553	MorSoy	66.9	31.5	53.6	09/19	31	2
V55N5RR	Vigoro	—	34.2	53.6	09/19	31	2
TSR54RJ41 (E)	Terral	—	—	53.6	09/22	29	1
USG 7562nRR	USG	—	—	53.4	09/29	32	1
TN05-547RR (E)	Public	—	—	53.2	09/26	29	1
NK S56-D7	NK	69.0	36.1	53.1	09/23	27	1
TSR53RK34 (E)	Terral	—	—	50.8	09/24	26	1
DG 33X55	Dyna Gro	—	—	50.3	09/20	26	1
ESXVT-110RR (E)	Eagle Seed	—	—	50.2	09/16	23	1
DG 3535NRR	Dyna-Gro	69.4	37.6	50.0	09/27	26	1
DPX 5115RR/S (E)	DPL	—	—	49.6	09/27	46	2
TV55R15	Terral	—	32.8	49.0	09/21	31	1
S03-383 (E)	Public	—	—	48.6	09/30	34	2
TN05-548RR (E)	Public	—	—	48.5	09/28	32	1
DK XTJ652 (E)	Delta King	—	—	48.1	09/27	45	3
DP5414RR	DPL	67.4	39.2	48.1	09/18	33	1
HBK R5123	Hornbeck	57.2	36.8	48.0	09/26	40	2
TSR52RJ41 (E)	Terral	—	—	48.0	09/21	27	1
TV56R12	Terral	59.1	30.3	47.8	09/17	28	1
5212RR/N	Garst	64.3	32.8	47.3	09/23	27	1
DG 5555RR	Delta Grow	—	32.5	46.7	09/21	33	2
DG 5630RR	Delta Grow	69.1	33.7	46.2	10/01	32	1
AVXD56B (E)	AgVenture	—	—	44.0	10/06	35	1
HBK R5620	Hornbeck	69.1	35.1	43.4	10/03	30	2
HBK R5425	Hornbeck	—	—	43.0	10/03	46	2
Progeny 5660RR	Progeny	69.8	34.9	40.6	10/02	34	1
Overall Mean		65.3	34.5	55.8			
LSD (.10)		3.0	3.1	7.3			
Error degrees of freedom		135	156	157			
CV (%)		3.4	6.7	9.7			
R^2 (%)		86	84	67			

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

Table 33. Roundup Ready Maturity Group V Late Soybeans Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
95M80	Pioneer	—	32.4	56.4	09/23	25	1
AG5702	Asgrow	—	—	55.3	09/21	27	1
DP 5808RR	DPL	—	41.3	54.6	09/21	32	1
AV 57D7RR	AgVenture	—	27.4	52.6	09/18	23	1
TV57R14	Terral	74.1	37.5	52.2	09/23	28	1
DG 38K57	Dyna-Gro	70.8	34.4	52.2	09/23	32	1
AG5905	Asgrow	—	27.7	51.6	09/22	34	2
SS RT5951N	Southern States	—	—	50.0	09/29	27	1
DG 36N57	Dyna Gro	—	38.0	49.4	09/21	28	1
DP5915RR	DPL	72.2	26.3	49.0	10/02	32	1
TV59R14	Terral	78.6	35.4	48.4	10/02	30	1
HBK R5924	Hornbeck	—	31.3	48.0	09/28	28	1
Armor ARX B57104 (E)	Armor	—	—	48.0	09/29	23	1
DG 3583NRR	Dyna-Gro	74.8	33.7	47.7	10/02	26	1
DG 5960RR	Delta Grow	75.9	31.4	47.7	10/01	29	1
DK5967RR	Delta King	70.1	33.5	47.2	09/24	30	1
DG5830RR	Delta Grow	—	—	47.0	09/28	27	1
Progeny 5822RR	Progeny	75.2	34.1	46.7	10/06	28	1
5924RR/N	Garst	77.0	33.7	45.9	10/06	30	1
AG5903	Asgrow	76.2	28.1	44.1	09/28	32	1
SS RT 5702N	Southern States	69.2	35.8	43.8	09/21	34	2
HBK R5825	Hornbeck	—	—	43.7	10/06	29	1
DG 3600	Dyna Gro	—	—	41.2	09/27	31	1
ES XVT46RR (E)	Eagle Seed	68.7	34.7	40.2	09/30	30	1
ESXVT-41RR (E)	Eagle Seed	71.4	30.9	36.3	10/07	37	1
586.RC	Schillinger	—	—	30.1	10/09	36	1
Overall Mean		70.9	31.7	47.3			
LSD (.10)		5.2	7.3	4.1			
Error degrees of freedom		94	90	50			
CV (%)		5.4	16.9	6.4			
R^2 (%)		75	58	85			

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

Location 2. Dulaney Farms, Inc., Clarksdale (Irrigated)

Location Summary

The growing season was extremely hot, but only two irrigations were needed. Disease and insect pressure were very low.

Soil type . . . . . **Sharkey clay**
Soil pH **6.8**
Soil fertility . . . . . **P=H; K=H**
Fertilizer added . . . . . **None**
Herbicide application . . . **Preemergence — Conventional – Scepter @ 2.86 oz/A + Dual II Magnum @ 32 oz/A + Roundup Weathermax @ 22 oz/A on 4-21-05**
Roundup Ready – Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 32 oz/A on 4-21-05
Postemergence — Conventional – Scepter @ 2.86 oz/A + Select @ 10 oz/A + COC on 5-24-05
Roundup Ready – Roundup Weathermax @ 22 oz/A on 5-24-05 & 20 oz/A on 6-14-05
Insecticide/Fungicide . . . **Quadris @ 4 oz/A + Karate Z @ 1.6 oz/A on 7-25-05**
Orthene 90S @ 0.75 lb/A on 8-17-05
Irrigation . . . . . **June 14 & August 4**
Planting date . . . . . **April 21**
Harvest date . . . . . **Group IV Conventional (September 19); RR IV E & L (September 8); All Group Vs (October 4)**

Table 34. Maturity Group IV Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4910	Progeny	50.2	57.2	72.1	09/17	33	1
S00-9925-10 (E)	Public	—	60.5	68.0	09/19	16	1
DP4748S	DPL	56.6	61.1	63.8	09/12	32	2
UA4805 (E)	Public	—	—	61.9	09/17	23	1
DT99-17400 (E)	Public	—	—	60.0	09/16	16	1
DT98-7278 (E)	Public	55.8	55.8	54.8	09/14	18	1
Overall Mean		50.9	58.4	63.4			
LSD (.10)		12.6	6.1	14.0			
Error degrees of freedom		8	14	10			
CV (%)		13.5	7.3	15.0			
R^2 (%)		72	84	39			

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

Rainfall Summary

	Inches
April	2.00
May	2.00
June	0
July	8.00
August	6.60
Total	18.60

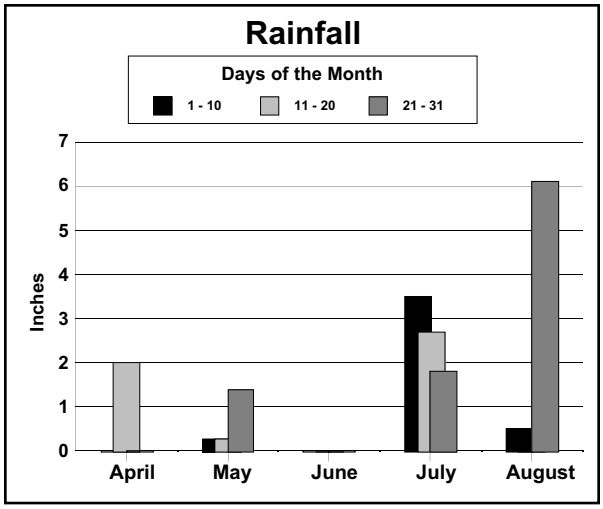

Table 35. Maturity Group V Early Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5110S	DPL	73.3	67.0	70.8	09/17	31	1
S00-9970-09 (E)	Public	—	—	66.2	09/17	18	1
USG 5601T	USG	61.0	60.1	64.8	09/23	22	1
HBK C5025	Hornbeck	—	—	64.0	09/18	38	1
USG 5002T	USG	71.5	69.2	63.4	09/18	16	1
Teejay	Public	78.7	59.5	62.4	09/21	20	1
Ozark	Public	65.1	64.7	54.7	09/17	17	1
DB01-080 (E)	Public	—	—	54.0	09/18	21	1
DB01-5463 (E)	Public	—	—	53.6	09/18	20	1
DB01-4249 (E)	Public	—	—	40.5	09/18	14	1
Overall Mean		66.1	61.9	59.4			
LSD (.10)		14.5	4.6	12.3			
Error degrees of freedom		13	28	18			
CV (%)		12.4	5.4	14.6			
R^2 (%)		73	86	61			

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

Table 36. Maturity Group V Late Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 5995	Delta King	71.2	52.6	64.7	09/26	24	1
R97-1634 (E)	Public	—	46.5	60.9	09/24	23	1
Progeny 5770	Progeny	—	63.8	59.4	09/24	24	1
R98-209	Public	—	—	59.3	09/30	34	1
DK5870RR	Delta King	—	—	56.3	09/26	31	1
Hutcheson	Public	70.2	52.8	53.8	09/27	19	1
HBK C5894	Hornbeck	—	77.3	50.7	09/23	28	1
Freedom	Public	53.2	76.9	48.9	09/26	18	1
Overall Mean		59.8	59.0	56.7			
LSD (.10)		15.5	4.8	15.5			
Error degrees of freedom		13	18	14			
CV (%)		14.6	5.9	19.0			
R^2 (%)		80	95	38			

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

Table 37. Roundup Ready Maturity Group IV Early Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 4667	Delta King	—	—	78.9	09/08	33	1
AV44D4	AgVenture	—	—	76.5	08/30	31	1
Progeny 4615RR	Progeny	—	—	73.8	09/06	32	1
Armor GP 422	Armor	—	—	73.8	08/30	27	1
RC 4455	Croplan Genetics	—	—	73.6	08/30	34	1
MorSoy RT 4665N (E)	MorSoy	—	—	73.1	09/08	32	1
USG 7466nRR	USG	—	—	73.0	09/08	31	1
X841029 (E)	Vigoro	—	—	72.8	09/08	30	1
AG4703	Asgrow	—	—	72.6	09/02	24	1
DG4660RR	Delta Grow	—	—	72.5	09/08	29	1
RC 4655	Croplan Genetics	—	—	72.4	08/30	33	1
4842-4	Stine	—	—	71.7	09/08	26	1
Armor GP-454	Armor	—	—	71.6	06/06	28	1
DG4250RR	Delta Grow	—	—	71.6	08/30	31	1
FFR 4545RR	FFR	—	—	71.3	09/02	24	1
TV46R15	Terral	—	55.2	71.1	08/30	37	1
Progeny 4401RR	Progeny	43.2	37.5	70.5	08/28	25	1
DK 4461RR	Delta King	36.3	38.7	70.3	08/30	32	1
TVX46R223 (E)	Terral	—	—	69.1	09/06	35	1
AG4503	Asgrow	—	—	68.5	09/02	31	1
DG4460RR	Delta Grow	—	—	68.2	08/30	30	1
DKB46-51	DEKALB	34.9	41.9	68.0	09/02	28	1
DK4661	Delta King	—	57.6	68.0	09/08	34	1
MorSoy RT 4480	MorSoy	—	—	67.9	09/02	28	1
DK XTJ6D44 (E)	Delta King	—	—	66.8	08/28	26	1
DPX 1908RR (E)	DPL	—	—	66.6	08/30	26	1
V44N6RR	Vigoro	—	—	66.5	08/30	23	1
Progeny 4315RR	Progeny	—	—	66.0	08/28	29	1
DP4331RR	DPL	31.5	35.3	65.9	08/28	28	1
DK XTJ6D42 (E)	Delta King	—	—	65.1	08/30	24	1
USG 7455nRR	USG	—	—	64.8	08/30	30	1
Progeny 4205RR	Progeny	—	—	64.8	08/30	26	1
DK XTJ601 (E)	Delta King	—	—	64.4	08/30	28	1
MorSoy RT 4485N (E)	MorSoy	—	—	64.3	08/30	29	1
USG 7440nRR	USG	47.6	38.0	63.9	09/02	30	1
AG4404	Asgrow	—	—	63.5	08/30	26	1
V41N6RR	Vigoro	—	—	63.3	08/30	27	1
AV42D1	AgVenture	—	—	63.2	08/30	29	1
HBK R3824	Hornbeck	—	—	63.0	08/29	23	1
NK S43-B1	NK	39.1	42.9	62.8	09/02	23	1
DKB44-51	DEKALB	42.4	36.6	62.3	09/02	27	1
DP4546RR	DPL	45.7	51.0	62.3	09/02	32	1
TV45R14	Terral	—	51.3	62.2	08/28	34	1
TVX41R50 (E)	Terral	—	—	62.1	08/30	30	1
HBK R4623	Hornbeck	48.8	47.4	61.9	08/29	29	1
Armor 44-R4	Armor	52.0	31.9	61.8	08/30	27	1
DK4566	Delta King	—	—	61.5	08/30	27	1
AG4403	Asgrow	44.2	39.5	61.5	08/30	27	1
AV46J5NRR	AgVenture	—	45.4	61.2	08/28	27	1
4612RR/N	Garst	52.9	57.2	61.0	09/08	32	1
DG 3443NRR	Dyna-Gro	41.6	37.3	61.0	09/02	25	1
DK XTJ640 (E)	Delta King	—	—	60.9	08/28	28	1
AG4201	Asgrow	37.8	45.6	60.6	08/28	26	1
TVX46R213 (E)	Terral	—	—	60.1	08/30	36	1
DG4150RR	Delta Grow	—	—	60.0	08/28	26	1
Armor 42-B2	Armor	—	—	59.9	08/30	26	1
94M30	Pioneer	—	—	59.5	09/02	28	1
Progeny 4405RR	Progeny	—	—	59.5	08/28	28	1
DG 37A44	Dyna Gro	—	—	59.2	08/29	26	1
RC 4095	Croplan Genetics	—	—	58.8	08/30	23	1
TVX47RT16 (E)	Terral	—	—	57.2	08/30	33	1
DKB42-51	DEKALB	—	—	57.2	08/30	26	1
TVX43R51 (E)	Terral	—	—	56.9	08/30	35	1
DG 35B40	Dyna Gro	—	—	55.9	09/02	24	1

Continued.

Table 37 (cont.). Roundup Ready Maturity Group IV Early Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 3463NRR	Dyna-Gro	48.0	37.8	52.6	08/29	29	1
USG 7434nRR	USG	—	46.7	51.8	08/28	22	1
SS RT4651N	Southern States	—	—	50.2	09/06	30	1
Overall Mean		43.0	39.5	65.0			
LSD (.10)		14.1	5.8	9.6			
Error degrees of freedom		26	98	132			
CV (%)		19.3	10.8	10.9			
R^2 (%)		57	85	56			

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

Table 38. Roundup Ready Maturity Group IV Late Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4703	Asgrow	—	—	80.1	09/04	27	1
DPX 4919RR/S (E)	DPL	—	—	79.4	09/12	35	2
DPX 4818RR/S (E)	DPL	—	—	78.1	09/12	38	2
V49N6RR	Vigoro	—	—	77.1	09/10	32	2
495.RC	Schillinger	—	51.8	76.5	09/16	31	2
DK 4766RR	Delta King	—	—	76.4	09/04	28	1
AV 50D2NRR	AgVenture	—	—	76.1	09/10	30	1
SS RT4981N	Southern States	—	—	75.8	09/17	36	2
HBK R4924	Hornbeck	—	51.6	74.5	09/17	36	2
DP4724RR	DPL	54.7	49.6	74.4	09/08	33	2
Progeny 4949RR	Progeny	59.0	56.1	74.2	09/17	32	2
4999RR/N	Garst	—	55.1	74.0	09/16	31	1
AG4903	Asgrow	—	52.9	73.9	09/12	29	1
AV49J7NRR	AgVenture	—	44.9	73.8	09/06	31	1
Armor ARX F47105 (E)	Armor	—	—	73.5	09/08	30	1
USG 7494nRR	USG	—	48.1	72.8	09/06	30	1
MorSoy RT 4955N (E)	MorSoy	56.8	51.2	72.8	09/10	34	1
DG 3481NRR	Dyna-Gro	—	—	72.5	09/04	31	2
Progeny 4805RR	Progeny	—	—	72.4	09/12	34	1
DG 36Y48	Dyna Gro	—	—	72.4	09/16	29	1
Progeny 4804RR	Progeny	—	48.7	72.2	09/12	28	1
DK XTJ6G51 (E)	Delta King	—	—	72.0	09/12	38	1
DG 36M49	Dyna-Gro	62.7	48.5	71.8	09/12	28	2
DG 4860RR	Delta Grow	63.6	50.8	71.3	09/2	28	2
MorSoy RT 4993	MorSoy	60.7	54.3	71.1	09/06	26	1
MorSoy RT 4914N (E)	MorSoy	—	—	70.9	09/14	30	1
FFR 4925RR	FFR	—	—	70.6	09/14	31	1
ESXVT-487RR (E)	Eagle Seed	—	—	70.2	09/08	32	1
Armor GP 470	Armor	—	—	70.1	09/06	34	1
DG 4970RR	Delta Grow	—	53.4	70.0	09/15	27	1
DP4933RR	DPL	62.4	56.2	70.0	09/16	36	2
Armor ARX D49104 (E)	Armor	—	—	69.7	09/14	40	1
MorSoy RT 4802	MorSoy	53.5	56.8	69.6	09/02	30	2
USG 7484nRR	USG	—	52.0	69.3	09/06	30	1
DK XTJ6025 (E)	Delta King	—	—	69.2	09/10	32	1
94B73	Pioneer	54.0	52.8	69.1	09/02	28	1
TV48R43	Terral	—	53.4	69.1	09/06	28	1
DK4866	Delta King	—	46.6	68.8	09/06	32	1
AG4801	Asgrow	—	39.1	68.8	09/06	28	1
Armor GP-488	Armor	—	—	68.6	09/10	32	1
476.RC	Schillinger	—	—	68.6	09/10	31	2
DG 4840RR	Delta Grow	—	51.0	68.6	09/12	25	1
S03-166 (E)	Public	—	—	68.5	09/10	32	2

Continued.

Table 38 (cont.). Roundup Ready Maturity Group IV Late Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ602 (E)	Delta King	—	—	68.5	09/10	28	1
Armor GP 474	Armor	71.5	48.7	68.4	09/06	30	1
ESXVT-489RR (E)	Eagle Seed	—	—	68.2	09/14	35	1
HBK R4724	Hornbeck	—	44.4	68.1	09/10	30	1
USG 747R6	USG	—	—	68.0	09/19	19	1
DK4868RR	Delta King	55.4	48.3	67.8	09/12	30	1
TSR49RL45 (E)	Terral	—	—	67.2	09/10	42	2
SS RT 4902	Southern States	62.2	61.3	67.0	09/22	38	2
FFR 4922RR	FFR	66.5	60.7	66.6	09/17	34	2
94M80	Pioneer	—	—	66.3	09/06	30	2
RC 4992	Croplan Genetics	—	—	65.7	09/17	35	1
TSR48RK33 (E)	Terral	—	—	65.6	09/14	44	2
TSR47RJ41 (E)	Terral	—	—	65.6	09/10	43	2
DK 4763RR	Delta King	50.8	43.1	65.3	08/30	27	1
TV48R14	Terral	—	63.2	65.3	09/10	34	1
DK XTJ648 (E)	Delta King	—	—	65.0	08/30	30	2
V48N5RR	Vigoro	—	53.0	64.8	09/06	29	1
V50N6RR	Vigoro	—	—	64.8	09/14	31	1
DK4967RR	Delta King	60.8	52.5	64.8	08/30	28	1
TV49R12	Terral	61.9	60.0	64.7	09/08	40	1
DG 4960RR	Delta Grow	67.5	42.7	64.3	09/15	19	1
TVX49R50 (E)	Terral	—	—	64.2	09/14	35	1
DG 35Z49	Dyna Gro	—	—	63.9	09/15	29	1
NK S49-Q9	NK	55.6	47.4	63.8	09/17	33	1
S03-390 (E)	Public	—	—	63.8	09/14	35	2
DK XTJ650 (E)	Delta King	—	—	63.6	09/02	31	1
DK XTJ6L49 (E)	Delta King	—	—	63.3	09/12	31	1
DG 3484nRR	Dyna-Gro	—	—	62.6	09/12	33	2
AV48D1NRR	AgVenture	—	—	61.9	09/06	31	1
TVX47R213 (E)	Terral	—	—	61.1	09/12	36	2
USG 7499nRR	USG	—	41.4	60.8	09/08	31	1
MorSoy RT 4731	MorSoy	—	—	60.1	08/30	27	1
ESXVT-17RR (E)	Eagle Seed	65.6	63.2	59.2	09/15	44	3
RT 5130N	Southern States	—	41.4	56.5	09/10	23	1
FFR 4705RR	FFR	—	—	55.9	09/10	26	1
TVX47R203 (E)	Terral	—	—	55.8	09/10	37	1
Overall Mean		57.9	50.0	68.6			
LSD (.10)		13.0	5.5	7.8			
Error degrees of freedom		52	148	156			
CV (%)		13.4	8.1	8.4			
R^2 (%)		63	82	57			

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

Table 39. Roundup Ready Maturity Group V Early Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5205RR	Progeny	—	—	75.4	09/14	34	1
USG 7515nRR	USG	—	—	74.4	09/10	29	1
DK 5066RR	Delta King	—	—	74.1	09/10	32	1
95B43	Pioneer	72.8	54.1	73.0	09/18	24	1
Armor ARX A50104 (E)	Armor	—	—	71.6	09/12	37	1
Progeny 5105RR	Progeny	—	—	70.7	09/12	32	1
Progeny 5622RR	Progeny	—	54.5	70.3	09/28	30	1
Progeny 5250RR	Progeny	66.1	60.1	70.2	09/18	32	1
DPX 5115RR/S (E)	DPL	—	—	69.7	09/16	37	1
S03-383 (E)	Public	—	—	68.2	09/23	35	1
USG 7505nRR	USG	—	—	68.0	09/12	30	1
DG 33X55	Dyna Gro	—	—	67.7	09/24	24	1
AG5702	Asgrow	—	—	67.7	09/23	24	1
DK XTJ6G510 (E)	Delta King	—	—	67.5	09/12	33	1
DG5160RR	Delta Grow	—	—	67.4	09/12	28	1
HBK R5525	Hornbeck	—	—	67.2	09/21	25	1
DG 5630RR	Delta Grow	71.5	48.7	67.2	09/24	32	1
DK 5161RR	Delta King	73.4	63.8	67.0	09/18	19	1
Progeny 5660RR	Progeny	64.6	53.4	66.9	09/28	32	1
AG5501	Asgrow	69.6	49.6	66.8	09/21	28	1
DG 5650RR	Delta Grow	70.6	49.1	65.8	09/23	26	1
DP5634RR	DPL	64.9	57.0	65.6	09/18	32	1
Progeny 5115RR	Progeny	—	—	65.6	09/15	36	1
TVX51R50 (E)	Terral	—	—	65.5	09/14	35	1
DG5560RR	Delta Grow	—	—	65.0	09/21	20	1
TV56R45	Terral	—	60.5	64.7	09/21	25	1
ESXVT-552RR (E)	Eagle Seed	—	—	64.5	09/23	24	1
TV56R12	Terral	55.5	50.9	64.4	09/19	28	1
95M50	Pioneer	—	—	64.3	09/18	22	1
ESXVT-520RR (E)	Eagle Seed	—	—	64.3	09/17	26	1
TSR52RJ41 (E)	Terral	—	—	64.1	09/21	26	1
V55N5RR	Vigoro	—	40.9	63.8	09/19	27	1
AVXD53 (E)	AgVenture	—	—	63.7	09/16	25	1
DP5414RR	DPL	67.4	36.5	63.6	09/21	30	1
Progeny 5650RR	Progeny	—	—	63.6	09/26	24	1
HBK R5620	Hornbeck	68.7	50.8	62.7	09/23	30	1
DG 33B52	Dyna-Gro	77.3	64.6	62.6	09/18	21	1
TV52R14	Terral	60.5	49.2	62.4	09/17	22	1
DG 3562NRR	Dyna-Gro	73.1	58.1	62.3	09/21	24	1
DG 5555RR	Delta Grow	—	48.5	62.2	09/18	29	1
Armor GP 513	Armor	63.8	68.9	62.0	09/17	26	1
NK S56-D7	NK	69.4	57.6	61.9	09/20	23	1
DK 5366RR	Delta King	69.4	54.6	61.9	09/24	23	1
USG 7582nRR	USG	—	—	61.9	09/26	24	1
5142-4	Stine	—	—	61.8	09/08	30	1
Armor GP 530	Armor	—	60.6	61.8	09/17	34	1
DK55T6RR	Delta King	—	52.4	61.7	09/25	25	1
DK XTJ604 (E)	Delta King	—	—	61.2	09/23	20	1
FFR 5663RR	FFR	—	68.4	61.0	09/20	25	1
USG 7562nRR	USG	—	—	61.0	09/26	25	1
TN05-548RR (E)	Public	—	—	60.9	09/25	27	1
MorSoy RT 5620	MorSoy	71.6	59.2	60.8	09/19	27	1
DK 5466RR	Delta King	—	—	60.8	09/18	24	1
DG 5460RR	Delta Grow	69.6	49.9	59.8	09/21	21	1
5212RR/N	Garst	59.1	54.7	59.6	09/19	28	1
TSR53RK34 (E)	Terral	—	—	59.6	09/23	19	1
MorSoy RT 5553	MorSoy	64.4	43.8	59.6	09/19	37	1
Armor GP 555	Armor	—	—	59.2	09/19	22	1
SS RT 5302N	Southern States	54.2	50.1	58.9	09/19	25	1
AV54D4	AgVenture	—	—	58.8	09/15	45	1
AVXD56B (E)	AgVenture	—	—	58.7	09/24	26	1
HBK R5324	Hornbeck	—	43.2	58.4	09/14	20	1
DK XTJ603 (E)	Delta King	—	—	58.2	09/21	18	1
TV55R15	Terral	—	47.5	57.6	09/21	26	1

Continued.

Table 39 (cont.). Roundup Ready Maturity Group V Early Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
TN05-547RR (E)	Public	—	—	57.1	09/26	20	1
RT 5540N	Southern States	—	43.7	57.0	09/19	35	1
USG 7553nRS	USG	66.4	50.2	56.9	09/28	16	1
DG 3535NRR	Dyna-Gro	60.5	46.3	56.6	09/22	23	1
DG 5260RR	Delta Grow	58.4	47.5	56.4	09/18	24	1
TSR54RJ41 (E)	Terral	—	—	55.8	09/23	24	1
FFR 5033RR	FFR	—	44.7	55.5	09/10	14	1
ESXVT-110RR (E)	Eagle Seed	—	—	54.6	09/25	18	1
HBK R5123	Hornbeck	64.4	50.6	54.5	09/19	46	1
HBK R5425	Hornbeck	—	—	54.1	09/21	45	1
Armor 54-03	Armor	—	45.9	53.9	09/21	19	1
DK XTJ6501 (E)	Delta King	—	—	52.6	09/10	26	1
DK XTJ652 (E)	Delta King	—	—	52.6	09/24	47	1
DK5567RR	Delta King	—	61.8	52.5	09/24	20	1
TSR53RJ42 (E)	Terral	—	—	51.1	09/19	18	1
RC 5332	Croplan Genetics	—	—	50.1	09/20	23	1
Overall Mean		64.1	51.7	62.4			
LSD (.10)		10.7	5.3	7.8			
Error degrees of freedom		68	156	158			
CV (%)		10.0	7.6	9.2			
R^2 (%)		71	83	60			

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

Table 40. Roundup Ready Maturity Group V Late Soybeans Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
5924RR/N	Garst	65.0	55.1	71.2	09/30	26	1
Progeny 5822RR	Progeny	59.5	57.6	70.6	09/28	27	1
AG5905	Asgrow	—	46.7	69.2	09/23	35	1
TV59R14	Terral	63.8	50.9	69.2	09/26	27	1
SS RT 5702N	Southern States	65.7	59.3	69.1	09/20	32	1
DG5830RR	Delta Grow	—	—	67.8	09/26	28	1
DP 5808RR	DPL	—	70.7	66.1	09/20	33	1
HBK R5924	Hornbeck	—	74.1	65.4	09/26	29	1
DP5915RR	DPL	67.0	55.6	65.4	09/26	28	1
DG 3583NRR	Dyna-Gro	68.9	45.9	65.1	09/25	20	1
AG5702	Asgrow	—	—	63.7	09/22	30	1
TV57R14	Terral	67.2	50.2	63.6	09/28	24	1
SS RT5951N	Southern States	—	—	62.7	09/28	19	1
DG 36N57	Dyna Gro	—	68.6	61.0	09/16	19	1
Armor ARX B57104 (E)	Armor	—	—	61.0	09/26	18	1
95M80	Pioneer	—	58.0	60.5	09/23	22	1
HBK R5825	Hornbeck	—	—	60.2	09/28	28	1
DG 5960RR	Delta Grow	63.8	55.4	59.7	09/30	24	1
DK5967RR	Delta King	69.9	56.8	59.6	09/30	28	1
586.RC	Schillinger	—	—	59.1	09/30	35	1
AV 57D7RR	AgVenture	—	64.5	57.4	09/18	22	1
AG5903	Asgrow	60.2	56.7	56.4	09/21	24	1
DG 38K57	Dyna-Gro	66.1	52.9	56.4	09/21	25	1
ES XVT46RR (E)	Eagle Seed	66.6	62.6	55.5	09/30	28	1
DG 3600	Dyna Gro	—	—	54.2	09/25	21	1
ESXVT-41RR (E)	Eagle Seed	68.3	68.8	48.8	10/02	27	1
Overall Mean		63.5	54.7	62.3			
LSD (.10)		10.0	10.8	6.6			
Error degrees of freedom		47	90	50			
CV (%)		9.4	14.5	7.7			
R^2 (%)		66	66	68			

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

Location 2. Mattson Farms, Clarksdale (Nonirrigated)

Location Summary

The nonirrigated Group IIIs and Group IVs were planted in good moisture and established a good stand. Despite a dry June, rainfall in May, July, and August was adequate to achieve respectable yields. Insect and disease problems were low throughout the growing season.

Soil type . . . . . **Sharkey clay**
Soil pH **6.7**
Soil fertility . . . . . **P=H; K=H**
Fertilizer added . . . . . **None**
Herbicide application . . . **Preemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 32 oz/A on 4-19-05**
Postemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A on 5-24-05 & 20 oz/A on 6-14-05
Planting date . . . . . **Group III (April 19); Group IV RR E & L Nonirrigated (April 19)**
Harvest date . . . . . **Group III (September 6); Group IV RR E & L (September 8)**

Table 41. Roundup Ready Maturity Group III Soybeans Nonirrigated (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003[2]	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 31J39	Dyna Gro	—	—	56.0	08/27	26	1
MorSoy RT 3883N	MorSoy	—	—	52.4	08/27	23	1
AV38T7	AgVenture	—	—	52.1	08/27	22	1
DK 3968RR	Delta King	—	58.1	50.7	08/25	23	1
Progeny 3900RR	Progeny	—	61.7	49.5	08/27	23	1
TV39RS31	Terral	—	58.9	48.0	08/28	27	1
AG3905	Asgrow	—	56.1	47.9	08/27	27	1
93M90	Pioneer	—	59.3	47.1	08/25	22	1
DG3950RR	Delta Grow	—	—	46.8	08/25	24	1
NK S39-K6	NK Brand	—	55.2	46.3	08/25	21	1
AG3906	Asgrow	—	61.8	46.3	08/27	24	1
Armor GPX 3930 (E)	Armor	—	—	45.8	08/27	23	1
AG3802	Asgrow	—	53.5	45.7	08/25	25	1
Progeny 3905RR	Progeny	—	—	45.3	08/27	21	1
DG 33A37	Dyna Gro	—	—	45.1	08/22	21	1
DK XTJ638 (E)	Delta King	—	—	45.0	08/27	21	1
Progeny 3805RR	Progeny	—	—	44.9	08/25	23	1
DG 3392	Dyna Gro	—	—	44.7	08/22	24	1
DK 3967	Delta King	—	—	44.7	08/27	28	1
DP3861RR	DPL	—	64.7	44.3	08/25	23	1
DK 3964RR	Delta King	—	47.2	44.2	08/27	26	1
DG 3373	Dyna Gro	—	—	43.5	08/22	26	1
DG 37R39	Dyna Gro	—	—	42.8	08/25	25	1
3960RR/N	Garst	—	—	42.0	08/25	25	1
DK XTJ635 (E)	Delta King	—	—	35.9	08/27	21	1
Overall Mean		—	57.3	46.3			
LSD (.10)		—	6.9	5.5			
Error degrees of freedom		—	24	48			
CV (%)		—	8.6	8.7			
R^2 (%)		—	72	64			

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

Rainfall Summary

	Inches
April	2.00
May	2.00
June	0
July	8.00
August	6.60
Total	18.60

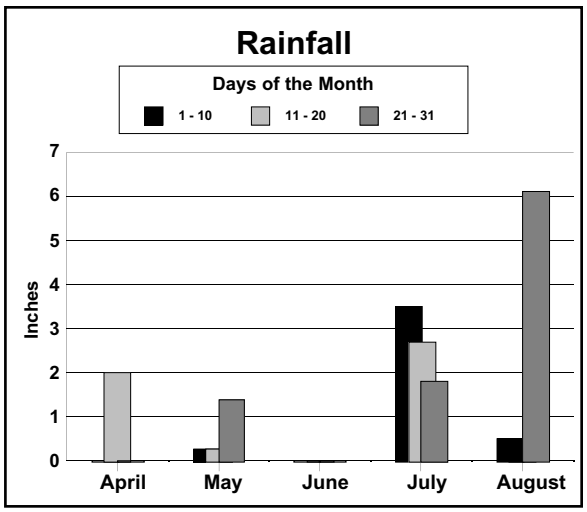

Table 42. Roundup Ready Maturity Group IV Early Soybeans Nonirrigated (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003[2]	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG4460RR	Delta Grow	—	—	65.8	08/28	29	1
DK XTJ6D44 (E)	Delta King	—	—	64.9	08/27	28	1
USG 7455nRR	USG	—	—	64.6	08/28	30	1
Armor GP 422	Armor	—	—	63.6	08/22	27	1
V44N6RR	Vigoro	—	—	63.1	08/28	31	1
MorSoy RT 4485N (E)	MorSoy	—	—	63.1	08/27	28	1
DG 37A44	Dyna Gro	—	—	61.2	08/29	26	1
X841029 (E)	Vigoro	—	—	60.8	08/27	31	1
Progeny 4205RR	Progeny	—	—	60.5	08/29	25	1
DK XTJ640 (E)	Delta King	—	—	60.3	08/29	26	1
DG4150RR	Delta Grow	—	—	60.2	08/27	26	1
V41N6RR	Vigoro	—	—	60.0	08/28	26	1
AV44D4	AgVenture	—	—	59.8	08/27	29	1
TV46R15	Terral	—	58.2	59.7	08/27	29	1
Progeny 4405RR	Progeny	—	—	59.6	08/25	28	1
USG 7440nRR	USG	—	67.5	59.3	08/25	25	1
DK 4667	Delta King	—	—	57.9	08/27	29	1
AG4403	Asgrow	—	62.8	57.4	08/28	23	1
USG 7466nRR	USG	—	—	57.4	08/27	27	1
USG 7434nRR	USG	—	64.6	57.1	08/29	25	1
RC 4455	Croplan Genetics	—	—	56.4	08/25	24	1
TVX46R213 (E)	Terral	—	—	56.3	08/28	28	1
FFR 4545RR	FFR	—	—	56.2	08/28	26	1
DP4546RR	DPL	—	58.1	56.1	08/28	30	1
TV45R14	Terral	—	60.0	55.7	08/22	27	1
MorSoy RT 4665N (E)	MorSoy	—	—	55.3	08/29	35	1
TVX43R51 (E)	Terral	—	—	55.2	08/28	26	1
HBK R4623	Hornbeck	—	62.0	55.0	08/28	27	1
HBK R3824	Hornbeck	—	—	54.5	098/2	26	1
DK XTJ601 (E)	Delta King	—	—	54.4	08/29	26	1
Armor 42-B2	Armor	—	—	54.4	08/27	27	1
TVX46R223 (E)	Terral	—	—	54.1	08/29	28	1
Progeny 4615RR	Progeny	—	—	53.8	08/27	29	1
Armor 44-R4	Armor	—	57.6	53.7	08/27	24	1
4612RR/N	Garst	—	63.8	53.5	09/06	26	1
4842-4	Stine	—	—	53.3	08/29	28	1
DK4566	Delta King	—	—	53.3	08/27	26	1
Armor GP-454	Armor	—	—	52.9	08/28	32	1
AV42D1	AgVenture	—	—	52.8	08/27	26	1
MorSoy RT 4480	MorSoy	—	—	52.8	08/28	25	1
DG 3463NRR	Dyna-Gro	—	65.3	52.4	09/29	30	1

Continued.

Table 42 (cont.). Roundup Ready Maturity Group IV Early Soybeans Nonirrigated (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003[2]	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DKB46-51	DEKALB	—	61.4	52.1	09/06	24	1
Progeny 4401RR	Progeny	—	66.5	52.0	08/28	24	1
DG4660RR	Delta Grow	—	—	52.0	08/29	27	1
DKB44-51	DEKALB	—	64.6	51.8	08/28	24	1
DPX 1908RR (E)	DPL	—	—	51.1	08/25	23	1
DG 3443NRR	Dyna-Gro	—	66.0	50.9	08/28	23	1
AG4201	Asgrow	—	66.6	50.6	09/29	23	1
DG 35B40	Dyna Gro	—	—	50.5	08/28	25	1
AV46J5NRR	AgVenture	—	61.5	50.5	08/30	23	1
DG4250RR	Delta Grow	—	—	49.8	08/29	23	1
AG4703	Asgrow	—	—	49.0	08/29	22	1
NK S43-B1	NK	—	58.6	48.9	09/06	24	1
Progeny 4315RR	Progeny	—	—	48.9	08/25	23	1
94M30	Pioneer	—	—	48.6	09/06	25	1
DP4331RR	DPL	—	60.8	47.9	08/28	27	1
AG4404	Asgrow	—	—	47.3	08/29	24	1
TVX41R50 (E)	Terral	—	—	46.6	08/27	24	1
TVX47RT16 (E)	Terral	—	—	45.6	09/02	28	1
SS RT4651N	Southern States	—	—	45.3	09/06	26	1
DK4661	Delta King	—	52.2	44.3	08/29	28	1
DK 4461RR	Delta King	—	65.8	44.2	08/29	27	1
RC 4095	Croplan Genetics	—	—	44.0	08/22	23	1
RC 4655	Croplan Genetics	—	—	43.6	09/06	27	1
DK XTJ6D42 (E)	Delta King	—	—	43.6	08/29	22	1
AG4503	Asgrow	—	—	43.0	08/29	26	1
DKB42-51	DEKALB	—	—	41.6	08/29	21	1
Overall Mean		—	61.2	53.8			
LSD (.10)		—	7.8	8.5			
Error degrees of freedom		—	98	132			
CV (%)		—	9.4	11.7			
R2 (%)		—	61	62			

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

Table 43. Roundup Ready Maturity Group IV Late Soybeans Nonirrigated (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003[2]	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
4999RR/N	Garst	—	61.7	62.8	09/08	29	1
DG 35Z49	Dyna Gro	—	—	62.6	09/08	30	1
DG 4970RR	Delta Grow	—	73.6	61.9	09/08	27	1
Progeny 4949RR	Progeny	—	67.1	61.5	09/06	28	1
DG 4840RR	Delta Grow	—	62.5	60.5	09/06	27	1
495.RC	Schillinger	—	78.6	60.2	09/06	23	1
DPX 4919RR/S (E)	DPL	—	—	60.1	09/04	32	1
MorSoy RT 4914N (E)	MorSoy	—	—	60.1	09/02	32	1
DK XTJ602 (E)	Delta King	—	—	59.7	09/04	27	1
HBK R4924	Hornbeck	—	62.3	59.3	09/07	30	1
Progeny 4804RR	Progeny	—	61.6	59.1	09/08	32	1
V49N6RR	Vigoro	—	—	58.9	09/08	28	1
AV 50D2NRR	AgVenture	—	—	58.9	09/08	27	1
DK 4766RR	Delta King	—	—	58.8	09/08	22	1
AG4903	Asgrow	—	56.8	58.8	09/08	25	1
DK XTJ6025 (E)	Delta King	—	—	58.6	09/06	29	1
V48N5RR	Vigoro	—	56.3	58.6	09/08	29	1
AV49J7NRR	AgVenture	—	63.0	58.4	09/06	27	1
DK XTJ6G51 (E)	Delta King	—	—	58.3	09/02	25	1
DK XTJ6L49 (E)	Delta King	—	—	58.1	09/02	26	1

Continued.

Table 43 (cont.). Roundup Ready Maturity Group IV Late Soybeans Nonirrigated (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003[2]	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK4866	Delta King	—	63.2	57.9	09/02	26	1
TSR47RJ41 (E)	Terral	—	—	57.2	08/27	34	1
DG 4960RR	Delta Grow	—	64.4	56.7	09/07	24	1
AV48D1NRR	AgVenture	—	—	56.6	09/02	30	1
TV48R43	Terral	—	61.7	56.3	09/06	34	1
DG 3481NRR	Dyna-Gro	—	64.6	56.2	09/08	24	1
Armor GP 474	Armor	—	58.7	56.1	09/04	31	1
DPX 4818RR/S (E)	DPL	—	—	56.1	09/04	33	1
V50N6RR	Vigoro	—	—	55.8	09/08	28	1
94M80	Pioneer	—	—	55.7	09/06	24	1
ESXVT-487RR (E)	Eagle Seed	—	—	55.4	09/02	30	1
DG 4860RR	Delta Grow	—	67.9	55.2	09/02	37	1
DP4724RR	DPL	—	57.7	55.1	09/06	33	1
USG 7499nRR	USG	—	52.8	55.1	09/08	25	1
AG4801	Asgrow	—	57.7	54.8	09/08	26	1
DG 3484nRR	Dyna-Gro	—	—	54.7	09/06	23	1
S03-166 (E)	Public	—	—	54.6	09/05	24	1
Progeny 4805RR	Progeny	—	—	54.4	09/06	27	1
MorSoy RT 4993	MorSoy	—	60.4	54.2	09/06	26	1
MorSoy RT 4955N (E)	MorSoy	—	—	53.7	09/08	33	1
USG 7484nRR	USG	—	58.7	53.6	09/06	22	1
DP4933RR	DPL	—	56.2	53.6	09/04	25	1
USG 7494nRR	USG	—	64.2	53.1	09/08	30	1
94B73	Pioneer	—	78.1	53.0	09/06	30	1
FFR 4922RR	FFR	—	62.4	52.9	09/06	23	1
476.RC	Schillinger	—	—	52.6	09/06	33	1
DG 36M49	Dyna-Gro	—	62.3	52.3	09/07	30	1
ESXVT-489RR (E)	Eagle Seed	—	—	52.1	08/30	29	1
TSR48RK33 (E)	Terral	—	—	52.0	08/27	36	1
DK 4763RR	Delta King	—	61.8	52.0	09/04	27	1
TV49R12	Terral	—	54.8	52.0	09/04	31	1
TV48R14	Terral	—	61.5	51.9	09/08	26	1
DK4967RR	Delta King	—	61.8	51.7	09/02	26	1
S03-390 (E)	Public	—	—	51.6	09/08	27	1
DK XTJ650 (E)	Delta King	—	—	51.3	09/04	29	1
RT 5130N	Southern States	—	68.1	51.2	09/01	35	1
DK XTJ648 (E)	Delta King	—	—	50.8	08/27	25	1
MorSoy RT 4731	MorSoy	—	—	50.8	09/06	29	1
MorSoy RT 4802	MorSoy	—	64.4	50.6	09/04	23	1
AG4703	Asgrow	—	—	50.5	09/04	25	1
TSR49RL45 (E)	Terral	—	—	50.3	09/02	27	1
RC 4992	Croplan Genetics	—	—	50.0	09/06	27	1
Armor GP-488	Armor	—	—	49.9	09/08	32	1
DG 36Y48	Dyna Gro	—	—	49.3	09/06	29	1
Armor ARX F47105 (E)	Armor	—	—	48.7	09/04	34	1
FFR 4705RR	FFR	—	—	48.2	09/08	40	1
DK4868RR	Delta King	—	60.9	48.1	09/02	25	1
TVX49R50 (E)	Terral	—	—	48.0	09/04	27	1
SS RT4981N	Southern States	—	—	47.3	09/01	36	1
TVX47R213 (E)	Terral	—	—	47.1	08/28	27	1
TVX47R203 (E)	Terral	—	—	47.1	08/28	26	1
Armor ARX D49104 (E)	Armor	—	—	46.9	09/02	27	1
Armor GP 470	Armor	—	—	44.4	09/04	30	1
FFR 4925RR	FFR	—	—	43.6	09/08	29	1
HBK R4724	Hornbeck	—	68.1	43.6	09/06	30	1
NK S49-Q9	NK	—	62.5	39.9	09/08	35	1
USG 747R6	USG	—	—	38.1	09/10	24	1
ESXVT-17RR (E)	Eagle Seed	—	32.8	33.1	08/30	26	1
SS RT 4902	Southern States	—	55.9	29.4	09/15	28	1
Overall Mean		—	61.2	53.2			
LSD (.10)		—	7.6	6.8			
Error degrees of freedom		—	148	156			
CV (%)		—	9.2	9.5			
R^2 (%)		—	73	73			

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

[2]No 3-year yields.

Location 3. Todd Williams Farm, Olive Branch

Location Summary

Dry conditions during the early part of the growing season were offset by rainfall in July. Insect and disease pressure were light to moderate. Harvest conditions were favorable.

Soil type . . . . . **Collins silt loam**
Soil pH **6.3**
Soil fertility . . . . . **P=H; K=H**
Fertilizer added . . . . . **P_2O_5 @ 30 lb/A + K_2O @ 90 lb/A; Boron @ 1 lb/A**
Herbicide application . . . **Preemergence — Conventional – Scepter @ 2.96 oz/A + Dual Magnum @ 24 oz/A on 5-3-05**
Roundup Ready – Dual II Magnum @ 24 oz/A on 5-3-05
Postemergence — Conventional – Scepter @ 2.86 oz/A + COC on 5-25-05 + First Rate @ 0.3 oz/A + COC on 6-16-05
Postemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A on 5-25-05 & 6-16-05
Planting date . . . . . **May 3**
Harvest date . . . . . **Group III & RR IV E (September 12); Group IV Conventional & RR IV L (September 22); All Others (October 18)**

Rainfall Summary

	Inches
May	1.26
June	1.40
July	8.15
August	5.68
September	1.56
October	0.76
Total	18.81

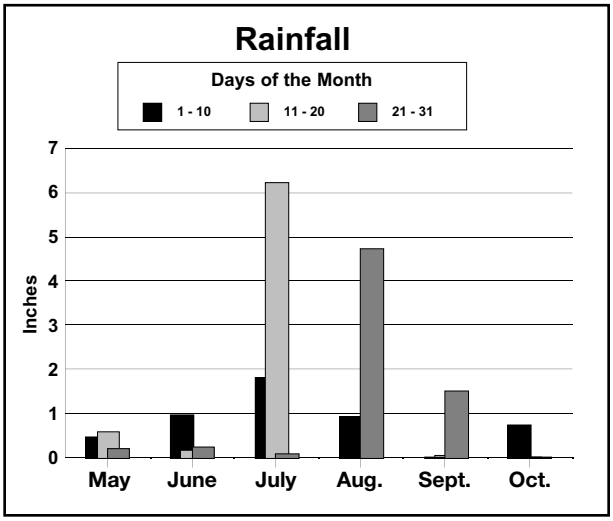

Table 44. Maturity Group IV Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
S00-9925-10 (E)	Public	—	60.1	51.9	09/18	30	2
DP4748S	DPL	61.0	66.5	44.9	09/21	45	2
Progeny 4910	Progeny	54.1	58.0	44.4	09/20	44	3
DT99-17400 (E)	Public	—	—	40.3	09/19	28	2
UA4805 (E)	Public	—	—	39.3	09/16	29	3
DT98-7278 (E)	Public	62.5	55.2	33.6	09/19	28	2
Overall Mean		57.3	58.2	42.4			
LSD (.10)		4.8	9.8	10.6			
Error degrees of freedom		16	14	10			
CV (%)		5.8	11.7	16.8			
R^2 (%)		79	65	58			

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

Table 45. Maturity Group V Early Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
S00-9970-09 (E)	Public	—	—	44.9	10/04	26	1
DB01-5463 (E)	Public	—	—	37.2	10/10	28	3
DP5110S	DPL	59.8	54.2	36.7	10/04	41	2
Ozark	Public	61.5	55.2	32.4	10/07	29	2
USG 5601T	USG	61.3	53.9	31.7	10/02	27	1
Teejay	Public	57.3	48.3	31.5	10/02	27	2
USG 5002T	USG	67.3	47.6	30.9	10/05	24	2
HBK C5025	Hornbeck	—	—	30.1	09/30	46	2
DB01-080 (E)	Public	—	—	29.5	10/03	30	2
DB01-4249 (E)	Public	—	—	23.7	09/25	27	3
Overall Mean		60.6	50.3	32.9			
LSD (.10)		5.8	8.6	4.4			
Error degrees of freedom		26	28	18			
CV (%)		6.8	12.4	9.4			
R^2 (%)		74	67	87			

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

Table 46. Maturity Group V Late Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK5870RR	Delta King	—	—	41.8	10/18	35	2
HBK C5894	Hornbeck	—	53.9	40.6	10/18	35	2
Progeny 5770	Progeny	—	53.4	34.3	10/18	35	2
DK 5995	Delta King	56.4	51.7	30.8	10/18	22	2
R97-1634 (E)	Public	—	41.2	27.1	10/18	20	2
Hutcheson	Public	39.5	44.2	26.0	10/10	27	2
R98-209	Public	—	—	22.1	10/18	33	2
Freedom	Public	48.5	37.9	22.1	10/07	22	3
Overall Mean		47.1	47.1	30.6			
LSD (.10)		7.2	8.1	6.8			
Error degrees of freedom		26	18	14			
CV (%)		11.0	12.2	15.6			
R^2 (%)		74	72	80			

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

Table 47. Roundup Ready Maturity Group III Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003[2]	2004[2]	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor GPX 3930 (E)	Armor	—	—	52.6	09/05	42	2
3960RR/N	Garst	—	—	52.0	08/28	29	2
DG 3373	Dyna Gro	—	—	51.9	08/28	28	2
DK 3968RR	Delta King	—	—	51.6	09/01	30	1
AV38T7	AgVenture	—	—	49.9	08/30	32	1
AG3906	Asgrow	—	—	49.3	06/06	26	2
DP3861RR	DPL	—	—	47.5	09/03	29	1
DK 3967	Delta King	—	—	46.7	08/30	31	1
AG3802	Asgrow	—	—	46.4	06/04	28	2
DG 37R39	Dyna Gro	—	—	45.8	09/04	31	2
Progeny 3905RR	Progeny	—	—	44.6	08/22	29	2
AG3905	Asgrow	—	—	43.5	09/05	30	2
Progeny 3805RR	Progeny	—	—	43.5	09/05	28	1
MorSoy RT 3883N	MorSoy	—	—	43.2	09/03	30	1
DG 33A37	Dyna Gro	—	—	43.0	08/30	28	1
DG 31J39	Dyna Gro	—	—	42.8	09/02	34	2
DK XTJ638 (E)	Delta King	—	—	42.4	09/03	26	1
Progeny 3900RR	Progeny	—	—	42.3	08/30	32	1
DG 3392	Dyna Gro	—	—	41.8	08/28	29	2
TV39RS31	Terral	—	—	41.5	08/30	31	1
NK S39-K6	NK Brand	—	—	40.9	09/02	26	2
93M90	Pioneer	—	—	38.2	08/30	27	1
DK 3964RR	Delta King	—	—	38.1	09/03	35	3
DG3950RR	Delta Grow	—	—	37.3	09/04	28	1
DK XTJ635 (E)	Delta King	—	—	31.4	08/22	27	1
Overall Mean		—	—	44.3			
LSD (.10)		—	—	7.4			
Error degrees of freedom		—	—	48			
CV (%)		—	—	12.2			
R^2 (%)		—	—	63			

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

Table 48. Roundup Ready Maturity Group IV Early Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
MorSoy RT 4485N (E)	MorSoy	—	—	66.3	09/10	43	2
FFR 4545RR	FFR	—	—	62.9	09/09	38	2
AV46J5NRR	AgVenture	—	61.7	62.6	09/08	36	1
DK XTJ6D44 (E)	Delta King	—	—	62.5	09/06	39	3
4842-4	Stine	—	—	62.5	09/12	38	4
DG 37A44	Dyna Gro	—	—	61.9	09/08	42	3
DG4150RR	Delta Grow	—	—	61.8	09/08	30	2
DK XTJ640 (E)	Delta King	—	—	61.7	09/09	34	2
Progeny 4405RR	Progeny	—	—	61.5	09/09	41	2
USG 7455nRR	USG	—	—	60.9	09/08	41	2
RC 4455	Croplan Genetics	—	—	60.4	09/08	42	2
MorSoy RT 4665N (E)	MorSoy	—	—	60.3	09/10	43	3
USG 7466nRR	USG	—	—	60.3	09/09	42	3
DG4460RR	Delta Grow	—	—	60.0	09/08	43	2
Progeny 4205RR	Progeny	—	—	59.7	09/07	37	2
DK 4667	Delta King	—	—	59.2	09/10	42	3
DG 35B40	Dyna Gro	—	—	58.5	09/05	34	2
AV44D4	AgVenture	—	—	58.3	09/09	41	4
AG4404	Asgrow	—	—	57.7	09/09	32	2
94M30	Pioneer	—	—	57.7	09/08	34	2
V44N6RR	Vigoro	—	—	57.5	09/08	38	2

Continued.

Table 48 (cont.). Roundup Ready Maturity Group IV Early Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4315RR	Progeny	—	—	57.1	09/06	42	2
DG4660RR	Delta Grow	—	—	57.0	09/09	41	3
AG4403	Asgrow	56.2	53.7	56.9	09/08	42	2
DKB46-51	DEKALB	57.1	56.9	56.9	09/06	37	2
DKB44-51	DEKALB	54.4	52.1	56.8	09/09	40	2
AG4703	Asgrow	—	—	56.6	09/08	34	2
V41N6RR	Vigoro	—	—	55.9	09/10	34	3
Armor GP-454	Armor	—	—	55.8	09/09	41	3
USG 7440nRR	USG	54.1	56.1	55.8	09/10	41	2
NK S43-B1	NK	50.1	54.9	55.3	09/08	30	1
AG4201	Asgrow	55.5	62.5	55.3	09/12	35	3
Progeny 4615RR	Progeny	—	—	54.7	09/19	41	3
X841029 (E)	Vigoro	—	—	54.7	09/10	42	3
DG 3443NRR	Dyna-Gro	58.0	57.9	54.7	09/08	37	2
DP4331RR	DPL	57.0	58.3	54.6	09/10	32	2
AV42D1	AgVenture	—	—	54.3	09/06	38	3
DKB42-51	DEKALB	—	—	54.2	09/12	37	1
4612RR/N	Garst	58.9	55.7	53.8	09/07	35	2
TVX41R50 (E)	Terral	—	—	53.7	09/09	38	2
DK 4461RR	Delta King	59.9	56.2	53.6	09/08	42	2
HBK R3824	Hornbeck	—	—	53.1	09/06	32	3
RC 4095	Croplan Genetics	—	—	53.0	09/04	39	3
USG 7434nRR	USG	—	55.0	52.7	09/09	35	1
Armor 44-R4	Armor	58.6	56.0	52.2	09/09	42	2
DK XTJ6D42 (E)	Delta King	—	—	52.1	09/08	33	2
DG4250RR	Delta Grow	—	—	51.9	09/08	40	2
AG4503	Asgrow	—	—	51.4	09/06	35	2
TVX43R51 (E)	Terral	—	—	51.3	09/12	35	2
Progeny 4401RR	Progeny	55.6	58.1	50.7	09/09	40	2
DK XTJ601 (E)	Delta King	—	—	50.6	09/09	42	2
TV46R15	Terral	—	53.3	50.4	09/12	41	2
Armor 42-B2	Armor	—	—	50.0	09/08	37	2
Armor GP 422	Armor	—	—	49.4	09/08	37	3
HBK R4623	Hornbeck	58.2	55.2	49.3	09/08	38	2
DK4566	Delta King	—	—	48.6	09/05	37	2
MorSoy RT 4480	MorSoy	—	—	48.4	09/10	36	2
TVX46R213 (E)	Terral	—	—	47.4	09/12	39	3
DP4546RR	DPL	53.5	55.8	47.0	09/12	42	2
SS RT4651N	Southern States	—	—	45.7	09/12	38	2
DG 3463NRR	Dyna-Gro	52.6	50.8	43.7	09/07	35	2
TVX46R223 (E)	Terral	—	—	43.5	09/12	40	2
TV45R14	Terral	—	51.5	40.9	09/10	42	2
RC 4655	Croplan Genetics	—	—	39.7	09/09	38	1
DPX 1908RR (E)	DPL	—	—	37.3	09/08	37	2
DK4661	Delta King	—	54.9	36.9	09/09	43	2
TVX47RT16 (E)	Terral	—	—	33.3	09/12	37	2
Overall Mean		57.4	56.9	53.9			
LSD (.10)		8.3	8.3	10.3			
Error degrees of freedom		52	98	132			
CV (%)		10.6	10.8	14.2			
R^2 (%)		61	55	55			

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

Table 49. Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
V49N6RR	Vigoro	—	—	71.0	09/12	38	3
495.RC	Schillinger	—	58.7	69.9	09/21	36	2
AV 50D2NRR	AgVenture	—	—	66.7	09/18	42	3
DG 35Z49	Dyna Gro	—	—	66.7	09/16	48	2
DK 4763RR	Delta King	64.3	59.4	66.2	09/16	32	2
V50N6RR	Vigoro	—	—	66.0	09/21	50	3
DK XTJ6025 (E)	Delta King	—	—	65.1	09/18	48	3
DK 4766RR	Delta King	—	—	64.4	09/12	39	3
MorSoy RT 4955N (E)	MorSoy	—	—	64.3	09/18	41	3
DG 4970RR	Delta Grow	—	61.9	63.4	09/21	38	3
TVX49R50 (E)	Terral	—	—	62.9	09/21	47	3
SS RT4981N	Southern States	—	—	62.4	09/21	42	1
DG 36Y48	Dyna Gro	—	—	62.4	09/21	35	2
USG 7484nRR	USG	—	64.8	62.1	09/11	38	3
TV48R43	Terral	—	68.8	61.9	09/20	36	4
AG4703	Asgrow	—	—	61.7	09/09	34	1
AV49J7NRR	AgVenture	—	60.9	61.6	09/11	38	3
4999RR/N	Garst	—	59.4	61.4	09/20	41	2
MorSoy RT 4731	MorSoy	—	—	61.4	09/11	28	2
USG 7499nRR	USG	—	62.4	61.3	09/17	42	3
MorSoy RT 4993	MorSoy	56.8	57.2	60.6	09/15	38	4
DK XTJ602 (E)	Delta King	—	—	60.3	09/12	41	2
DK XTJ6G51 (E)	Delta King	—	—	59.7	09/16	46	3
DG 4840RR	Delta Grow	—	57.0	59.6	09/20	36	2
DK XTJ6L49 (E)	Delta King	—	—	59.3	09/16	44	3
DPX 4919RR/S (E)	DPL	—	—	59.3	09/21	40	1
USG 747R6	USG	—	—	59.0	09/17	36	2
MorSoy RT 4914N	MorSoy	—	—	58.7	09/21	41	3
FFR 4705RR	FFR	—	—	58.5	09/10	33	2
DG 4960RR	Delta Grow	64.5	61.9	58.4	09/21	36	2
DG 3484nRR	Dyna-Gro	—	—	58.4	06/21	36	2
DG 36M49	Dyna-Gro	62.4	62.7	58.1	09/17	36	2
TSR49RL45 (E)	Terral	—	—	58.1	09/19	42	2
HBK R4924	Hornbeck	—	51.7	57.3	09/21	37	1
DG 3481NRR	Dyna-Gro	53.5	52.9	57.1	09/12	31	3
ESXVT-487RR (E)	Eagle Seed	—	—	57.1	09/10	37	2
HBK R4724	Hornbeck	—	65.8	57.0	09/15	35	1
AV48D1NRR	AgVenture	—	—	57.0	09/12	35	3
Progeny 4804RR	Progeny	—	50.8	56.8	06/20	38	2
FFR 4925RR	FFR	—	—	56.4	06/12	42	3
DK XTJ650 (E)	Delta King	—	—	56.3	09/12	40	3
TV48R14	Terral	—	60.6	56.3	09/20	37	3
TSR47RJ41 (E)	Terral	—	—	56.1	09/20	54	4
AG4801	Asgrow	—	56.1	56.1	09/08	33	1
AG4903	Asgrow	—	53.1	56.0	09/12	34	1
476.RC	Schillinger	—	—	55.6	09/15	38	3
DK4866	Delta King	—	49.0	54.6	09/17	35	2
RT 5130N	Southern States	—	52.7	54.3	06/21	35	2
S03-166 (E)	Public	—	—	53.6	09/18	35	2
DK4868RR	Delta King	57.0	46.0	53.4	09/20	35	2
S03-390 (E)	Public	—	—	52.9	06/21	42	1
USG 7494nRR	USG	—	60.3	52.9	09/12	38	3
V48N5RR	Vigoro	—	68.3	52.7	09/17	42	3
MorSoy RT 4802	MorSoy	63.6	57.3	52.5	09/12	36	2
Armor GP-488	Armor	—	—	52.4	09/12	38	2
Armor GP 474	Armor	59.9	61.8	52.1	09/12	35	3
FFR 4922RR	FFR	53.6	53.1	51.7	09/16	43	2
DK4967RR	Delta King	63.1	59.5	51.6	09/11	35	2
NK S49-Q9	NK	58.3	60.6	51.3	09/21	37	2
DK XTJ648 (E)	Delta King	—	—	51.3	09/18	44	3
Progeny 4949RR	Progeny	65.1	54.6	51.1	06/21	38	2
TSR48RK33 (E)	Terral	—	—	50.8	09/21	55	4
DG 4860RR	Delta Grow	67.6	49.4	50.0	09/15	36	2
DPX 4818RR/S (E)	DPL	—	—	50.0	09/21	39	2
DP4724RR	DPL	55.9	61.7	49.9	09/12	33	1

Continued.

Table 49 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4805RR	Progeny	—	—	49.8	06/21	40	2
Armor ARX F47105 (E)	Armor	—	—	49.5	09/11	32	2
ESXVT-489RR (E)	Eagle Seed	—	—	47.4	09/11	44	2
94M80	Pioneer	—	—	47.1	09/12	35	2
94B73	Pioneer	58.0	59.4	45.8	09/10	37	2
ESXVT-17RR (E)	Eagle Seed	58.8	51.1	45.3	09/21	50	2
RC 4992	Croplan Genetics	—	—	45.0	09/20	40	2
TVX47R203 (E)	Terral	—	—	44.7	09/20	42	3
DP4933RR	DPL	55.1	54.8	44.5	09/21	38	1
TV49R12	Terral	52.6	51.3	44.1	09/21	47	3
Armor ARX D49104 (E)	Armor	—	—	44.0	09/12	40	2
TVX47R213 (E)	Terral	—	—	43.4	09/20	41	3
SS RT 4902	Southern States	54.4	42.4	43.4	09/21	44	3
Armor GP 470	Armor	—	—	39.5	09/12	37	2
Overall Mean		56.5	53.1	55.8			
LSD (.10)		6.3	8.4	9.6			
Error degrees of freedom		104	148	156			
CV (%)		8.2	11.1	12.7			
R^2 (%)		74	61	61			

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

Table 50. Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ6G510 (E)	Delta King	—	—	47.2	09/22	40	2
V55N5RR	Vigoro	—	49.6	45.4	10/01	40	2
FFR 5033RR	FFR	—	53.6	44.4	09/24	36	3
DK 5366RR	Delta King	60.3	44.2	44.3	10/02	35	3
DK55T6RR	Delta King	—	50.0	44.0	10/07	33	1
DG 3535NRR	Dyna-Gro	53.2	43.0	43.7	10/05	39	2
DK 5466RR	Delta King	—	—	43.2	10/01	32	3
MorSoy RT 5553	MorSoy	62.3	55.0	43.1	10/05	38	1
AVXD53 (E)	AgVenture	—	—	43.1	09/17	35	3
DG 33X55	Dyna Gro	—	—	42.6	10/15	34	1
AVXD56B (E)	AgVenture	—	—	42.4	10/18	43	2
RT 5540N	Southern States	—	58.7	42.2	10/04	41	2
Armor ARX A50104 (E)	Armor	—	—	41.8	09/29	42	3
NK S56-D7	NK	52.3	48.5	41.7	10/18	35	1
USG 7553nRS	USG	55.9	49.4	41.1	09/22	29	2
USG 7582nRR	USG	—	—	40.7	10/01	32	2
HBK R5620	Hornbeck	56.0	45.3	40.7	10/18	38	1
DG 5650RR	Delta Grow	56.5	60.1	40.6	10/18	32	2
USG 7562nRR	USG	—	—	40.5	10/05	32	2
TV56R12	Terral	53.1	44.9	40.5	10/06	34	2
SS RT 5302N	Southern States	53.4	44.8	40.4	09/26	32	2
AG5501	Asgrow	59.4	51.5	40.2	10/02	31	1
DG 5460RR	Delta Grow	55.4	56.3	40.0	09/25	27	2
TVX51R50 (E)	Terral	—	—	39.9	09/25	44	2
HBK R5425	Hornbeck	—	—	39.8	10/18	36	1
HBK R5525	Hornbeck	—	—	39.5	10/18	33	1
TSR52RJ41 (E)	Terral	—	—	39.5	10/12	30	1
DG 3562NRR	Dyna-Gro	51.0	51.5	39.5	10/18	35	2
TSR53RK34 (E)	Terral	—	—	39.4	10/07	31	1
Progeny 5650RR	Progeny	—	—	39.4	10/18	36	1
TN05-547RR (E)	Public	—	—	39.3	10/05	32	2
USG 7515nRR	USG	—	—	38.5	09/23	39	3
FFR 5663RR	FFR	—	52.6	38.5	10/03	32	3
MorSoy RT 5620	MorSoy	53.2	47.2	38.4	10/09	28	1

Continued.

Table 50 (cont.). Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ652 (E)	Delta King	—	—	38.2	10/05	35	2
TV56R45	Terral	—	50.6	38.1	10/07	25	2
Progeny 5660RR	Progeny	57.2	47.5	38.1	10/18	33	2
DK XTJ603 (E)	Delta King	—	—	38.1	09/24	28	3
DK5567RR	Delta King	—	55.6	37.7	10/01	32	2
ESXVT-552RR (E)	Eagle Seed	—	—	37.7	10/05	32	2
AG5702	Asgrow	—	—	37.6	10/04	32	1
ESXVT-520RR (E)	Eagle Seed	—	—	37.6	09/24	30	3
TN05-548RR (E)	Public	—	—	37.4	10/05	33	2
Armor GP 555	Armor	—	—	37.1	10/05	27	2
DG 5555RR	Delta Grow	—	34.9	36.9	10/12	40	2
TV55R15	Terral	—	36.1	36.7	10/05	33	2
Armor GP 513	Armor	57.5	48.2	36.7	09/21	28	3
DG 5630RR	Delta Grow	56.4	43.7	36.6	10/18	34	2
DG 33B52	Dyna-Gro	57.3	52.5	36.6	09/29	30	2
DK XTJ604 (E)	Delta King	—	—	36.5	10/05	29	2
5212RR/N	Garst	48.4	49.4	36.5	10/18	34	1
DG5160RR	Delta Grow	—	—	36.4	09/24	36	3
S03-383 (E)	Public	—	—	36.2	10815	35	1
Progeny 5622RR	Progeny	—	50.9	36.1	10/18	29	1
DK 5161RR	Delta King	50.8	50.9	36.0	09/22	32	3
DG5560RR	Delta Grow	—	—	35.9	10/04	29	1
USG 7505nRR	USG	—	—	35.9	09/21	38	3
Armor 54-03	Armor	—	46.6	35.9	10/05	29	2
TSR54RJ41 (E)	Terral	—	—	35.8	10/10	29	1
DPX 5115RR/S (E)	DPL	—	—	35.8	10/04	34	1
DP5634RR	DPL	62.1	46.2	35.7	10/18	37	2
95M50	Pioneer	—	—	35.6	10/01	32	2
DP5414RR	DPL	59.2	49.6	35.0	10/14	35	2
RC 5332	Croplan Genetics	—	—	34.7	10/15	31	1
AV54D4	AgVenture	—	—	34.4	09/25	48	4
DK 5066RR	Delta King	—	—	34.2	09/21	41	2
5142-4	Stine	—	—	33.8	10/01	34	3
ESXVT-110RR (E)	Eagle Seed	—	—	33.8	10/01	32	3
Armor GP 530	Armor	—	46.6	33.7	09/25	36	2
HBK R5123	Hornbeck	40.5	33.3	33.4	10/01	40	2
TV52R14	Terral	61.6	50.4	32.6	09/27	30	2
DG 5260RR	Delta Grow	48.7	57.6	32.4	10/01	32	1
Progeny 5250RR	Progeny	57.6	45.9	32.0	10/04	27	1
Progeny 5105RR	Progeny	—	—	31.3	10/01	30	1
Progeny 5115RR	Progeny	—	—	30.5	10/01	33	1
95B43	Pioneer	46.9	48.1	30.2	09/24	33	2
TSR53RJ42 (E)	Terral	—	—	29.8	10/05	31	2
HBK R5324	Hornbeck	—	45.3	29.8	09/23	28	1
Progeny 5205RR	Progeny	—	—	29.5	10/04	31	1
DK XTJ6501 (E)	Delta King	—	—	28.5	10/01	38	2
Overall Mean		53.6	47.8	37.7			
LSD (.10)		7.1	8.2	9.4			
Error degrees of freedom		136	156	158			
CV (%)		9.7	12.7	18.5			
R^2 (%)		62	63	76			

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

Table 51. Roundup Ready Maturity Group V Late Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
TV59R14	Terral	55.7	49.4	41.0	10/10	29	1
AG5905	Asgrow	—	37.4	40.0	10/12	32	1
DP5915RR	DPL	61.6	47.0	39.6	10/18	27	1
HBK R5924	Hornbeck	—	59.2	38.2	10/18	32	1
DG5830RR	Delta Grow	—	—	37.8	10/18	30	1
TV57R14	Terral	57.0	45.0	37.3	10/11	31	2
DG 3583NRR	Dyna-Gro	58.8	57.6	37.1	10/18	31	1
5924RR/N	Garst	63.2	52.7	36.5	10/16	30	1
Armor ARX B57104 (E)	Armor	—	—	36.3	10/11	26	1
AV 57D7RR	AgVenture	—	48.1	36.1	10/01	28	2
Progeny 5822RR	Progeny	54.0	49.4	36.0	10/16	31	1
AG5903	Asgrow	64.8	55.3	35.7	10/07	33	2
DP 5808RR	DPL	—	48.6	35.3	10/06	34	1
95M80	Pioneer	—	49.6	34.6	10/01	24	1
586.RC	Schillinger	—	—	34.3	10/18	29	1
DK5967RR	Delta King	55.3	53.1	34.2	10/12	29	1
SS RT5951N	Southern States	—	—	34.0	10/11	25	1
DG 3600	Dyna Gro	—	—	33.4	10/18	34	1
SS RT 5702N	Southern States	52.3	43.3	33.1	10/11	38	2
DG 38K57	Dyna-Gro	53.3	47.7	32.7	10/18	31	1
HBK R5825	Hornbeck	—	—	32.6	10/18	31	1
DG 5960RR	Delta Grow	53.1	57.6	32.4	10/16	29	1
ES XVT46RR (E)	Eagle Seed	57.0	47.4	32.0	10/18	34	1
DG 36N57	Dyna Gro	—	52.9	31.7	10/18	31	1
ESXVT-41RR (E)	Eagle Seed	51.7	59.9	30.9	10/18	34	2
AG5702	Asgrow	—	—	30.2	10/02	30	1
Overall Mean		55.7	49.1	35.1			
LSD (.10)		8.2	8.4	6.9			
Error degrees of freedom		94	90	50			
CV (%)		10.9	12.5	14.3			
R^2 (%)		50	67	84			

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

Location 4. Gibb Steele Farms, Longwood

Location Summary

The growing season for 2005 was dominated, for the most part, by hot, dry weather. There was sufficient rainfall early in the growing season to insure adequate germination of the variety trial. For the most part, June and July were very dry. High temperatures were in the mid- to upper 90s for the growing season. Rainfall was received from two hurricanes in late August and late September.

Soil type . . . . . **Sharkey clay**
Soil pH **7.4**
Soil fertility . . . . . **P=M+; K=M+**
Fertilizer added . . . . . **None**
Herbicide application . . . **Preemergence — Conventional – Scepter @ 2.86 oz/A + Dual II Magnum @ 32 oz/A + Roundup Weathermax @ 22 oz/A on 4-20-05**
Roundup Ready – Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 32 oz/A on 4-20-05
Postemergence — Conventional – Classic @ 2/3 oz/A + COC on 5-27-05
Roundup Ready – Roundup Weathermax @ 22 oz/A on 5-27-05
Irrigation . . . . . **June 24, August 6, and August 20**
Planting date . . . . . **April 20**
Harvest date . . . . . **Group IV RR E & L (September 13); All Others (October 5).**

Rainfall Summary

	Inches
May	4.46
June	4.65
July	7.01
August	6.19
September	10.60
Total	32.91

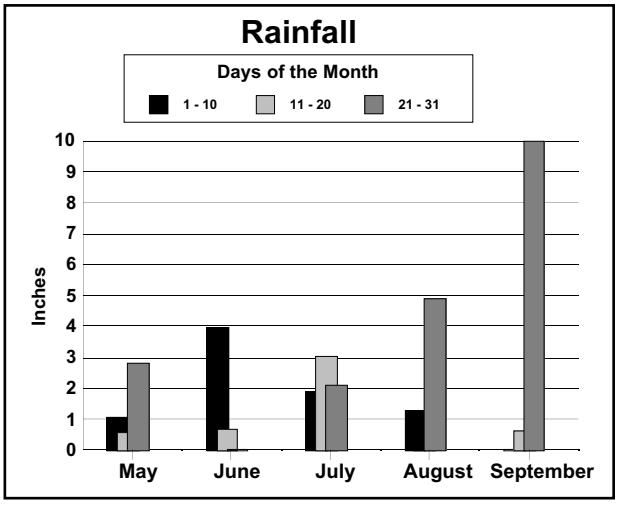

Table 52. Maturity Group IV Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4910	Progeny	68.8	58.7	81.6	09/12	37	2
S00-9925-10 (E)	Public	—	49.9	63.3	09/15	19	1
UA4805 (E)	Public	—	—	59.4	09/11	16	1
DT98-7278 (E)	Public	70.8	52.0	59.0	09/12	19	1
DP4748S	DPL	59.4	51.8	56.3	09/10	33	3
DT99-17400 (E)	Public	—	—	50.4	09/11	20	1
Overall Mean		63.2	48.9	61.7			
LSD (.10)		7.4	6.1	14.5			
Error degrees of freedom		16	14	10			
CV (%)		8.2	8.6	15.9			
R^2 (%)		81	78	69			

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

Table 53. Maturity Group V Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C5025	Hornbeck	—	—	78.8	09/17	49	5
DP5110S	DPL	66.7	56.8	78.2	09/07	24	3
DB01-080 (E)	Public	—	—	72.5	09/20	21	1
USG 5601T	USG	68.9	40.6	72.3	09/21	27	1
S00-9970-09 (E)	Public	—	—	72.0	09/19	21	1
DB01-5463 (E)	Public	—	—	72.0	09/15	19	2
Teejay	Public	69.3	50.9	71.6	09/12	22	1
USG 5002T	USG	75.7	50.8	68.4	09/11	18	1
Ozark	Public	73.5	44.1	61.4	09/13	18	2
DB01-4249 (E)	Public	—	—	46.8	09/20	17	1
Overall Mean		69.5	48.8	69.4			
LSD (.10)		5.4	8.9	9.7			
Error degrees of freedom		26	28	18			
CV (%)		2.6	13.2	9.9			
R^2 (%)		57	67	75			

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

Table 54. Maturity Group V Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C5894	Hornbeck	—	63.4	79.8	09/19	29	2
DK5870RR	Delta King	—	—	75.6	09/18	28	2
R97-1634 (E)	Public	—	46.7	75.1	09/26	23	1
Progeny 5770	Progeny	—	51.9	74.4	09/20	25	1
DK 5995	Delta King	69.9	45.9	70.8	09/30	26	1
R98-209	Public	—	—	68.6	09/30	27	1
Hutcheson	Public	69.4	45.0	65.9	09/17	19	1
Freedom	Public	58.6	57.8	63.7	09/18	21	2
Overall Mean		64.8	50.1	71.8			
LSD (.10)		6.0	9.1	7.6			
Error degrees of freedom		26	18	14			
CV (%)		6.6	12.8	7.4			
R^2 (%)		82	70	63			

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

Table 55. Roundup Ready Maturity Group IV Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 7466nRR	USG	—	—	76.9	09/04	35	3
X841029 (E)	Vigoro	—	—	73.7	09/03	32	3
MorSoy RT 4665N (E)	MorSoy	—	—	73.3	09/04	35	3
Armor GP-454	Armor	—	—	72.3	09/03	32	2
4842-4	Stine	—	—	72.0	09/05	28	3
Progeny 4615RR	Progeny	—	—	72.0	09/02	33	3
DG4660RR	Delta Grow	—	—	71.4	09/03	32	3
DK 4667	Delta King	—	—	70.9	09/06	30	3
AG4703	Asgrow	—	—	70.0	08/29	23	1
FFR 4545RR	FFR	—	—	69.1	08/30	26	2
4612RR/N	Garst	59.3	57.1	68.2	08/27	30	2
94M30	Pioneer	—	—	66.9	08/28	25	1
MorSoy RT 4480	MorSoy	—	—	66.8	08/30	28	2
DKB42-51	DEKALB	—	—	66.3	08/26	24	1
USG 7434nRR	USG	—	55.1	66.1	08/24	20	1
TVX47RT16 (E)	Terral	—	—	66.0	09/09	38	2
SS RT4651N	Southern States	—	—	65.9	09/06	26	2
DP4546RR	DPL	55.4	43.1	65.7	08/29	28	2
USG 7455nRR	USG	—	—	65.6	08/26	33	1
V41N6RR	Vigoro	—	—	65.0	08/27	26	2
AG4201	Asgrow	59.5	48.4	65.0	08/26	23	1
RC 4455	Croplan Genetics	—	—	64.7	08/28	25	2
DG 3443NRR	Dyna-Gro	57.4	42.1	64.5	08/29	24	1
DK XTJ601 (E)	Delta King	—	—	64.5	08/30	21	1
AV42D1	AgVenture	—	—	64.1	08/27	33	2
DKB46-51	DEKALB	57.1	46.5	63.9	08/29	23	2
DK4661	Delta King	—	51.8	63.7	08/30	33	1
USG 7440nRR	USG	53.7	43.6	63.7	08/26	24	2
DK XTJ640 (E)	Delta King	—	—	63.6	08/29	23	1
DG4250RR	Delta Grow	—	—	63.2	08/25	29	2
DKB44-51	DEKALB	54.2	41.1	63.1	08/26	24	1
Progeny 4315RR	Progeny	—	—	63.1	08/28	29	3
NK S43-B1	NK	51.3	41.6	62.9	08/27	28	1
TVX46R213 (E)	Terral	—	—	62.7	08/31	33	3
Armor 44-R4	Armor	53.7	44.6	61.9	08/27	26	2
DP4331RR	DPL	54.9	37.6	61.8	08/25	24	1
DG 37A44	Dyna Gro	—	—	61.8	08/26	24	1
TV46R15	Terral	—	52.4	61.8	08/30	28	2
Progeny 4401RR	Progeny	54.8	43.7	61.4	08/28	27	1
TV45R14	Terral	—	47.5	61.3	08/25	28	3
DG 35B40	Dyna Gro	—	—	61.1	08/26	23	1
DG4150RR	Delta Grow	—	—	61.1	08/30	20	1
AG4403	Asgrow	53.4	41.9	60.9	08/27	29	1
DK 4461RR	Delta King	59.1	47.3	60.9	08/29	28	1
TVX41R50 (E)	Terral	—	—	60.4	08/25	25	1
MorSoy RT 4485N (E)	MorSoy	—	—	60.4	08/26	27	2
Progeny 4205RR	Progeny	—	—	60.3	08/29	18	1
Armor 42-B2	Armor	—	—	60.3	08/26	24	1
AG4503	Asgrow	—	—	60.2	08/28	28	2
AV44D4	AgVenture	—	—	59.9	08/26	28	2
DK XTJ6D44 (E)	Delta King	—	—	58.9	08/26	32	3
DK4566	Delta King	—	—	58.6	08/22	29	2
AV46J5NRR	AgVenture	—	44.6	58.5	08/28	20	1
V44N6RR	Vigoro	—	—	58.3	08/30	29	2
DK XTJ6D42 (E)	Delta King	—	—	58.2	08/27	22	1
HBK R4623	Hornbeck	56.1	40.6	58.1	08/27	29	2
TVX46R223 (E)	Terral	—	—	58.1	08/30	32	4
DG4460RR	Delta Grow	—	—	57.9	08/26	28	2
RC 4655	Croplan Genetics	—	—	57.4	08/30	31	2
Progeny 4405RR	Progeny	—	—	57.4	08/25	24	2
AG4404	Asgrow	—	—	57.4	08/27	25	1
HBK R3824	Hornbeck	—	—	55.2	08/22	24	3
RC 4095	Croplan Genetics	—	—	54.7	08/22	22	1
Armor GP 422	Armor	—	—	53.6	08/28	28	3
DPX 1908RR (E)	DPL	—	—	51.6	08/21	24	3

Continued.

Table 55 (cont.). Roundup Ready Maturity Group IV Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
TVX43R51 (E)	Terral	—	—	50.4	08/24	29	1
DG 3463NRR	Dyna-Gro	47.6	34.8	48.9	08/23	25	1
Overall Mean		52.3	43.5	62.8			
LSD (.10)		10.5	6.6	7.0			
Error degrees of freedom		52	96	132			
CV (%)		14.7	11.1	8.2			
R^2 (%)		53	71	70			

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

Table 56. Roundup Ready Maturity Group IV Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
SS RT4981N	Southern States	—	—	86.9	09/11	40	3
DK4866	Delta King	—	46.5	81.3	09/05	35	2
DK XTJ602 (E)	Delta King	—	—	80.0	09/05	31	2
DK XTJ6L49 (E)	Delta King	—	—	79.1	09/06	35	2
ESXVT-487RR (E)	Eagle Seed	—	—	78.9	09/06	32	2
TVX49R50 (E)	Terral	—	—	78.4	09/11	36	3
ESXVT-489RR (E)	Eagle Seed	—	—	78.3	09/07	36	2
DK XTJ6G51 (E)	Delta King	—	—	78.2	09/11	35	3
4999RR/N	Garst	—	46.8	77.6	09/13	34	3
DG 35Z49	Dyna Gro	—	—	76.1	09/10	34	3
HBK R4924	Hornbeck	—	51.2	75.8	09/11	28	3
DPX 4919RR/S (E)	DPL	—	—	75.6	09/06	34	3
V50N6RR	Vigoro	—	—	75.5	09/13	38	3
TSR49RL45 (E)	Terral	—	—	75.0	09/06	41	3
DK XTJ6025 (E)	Delta King	—	—	74.9	09/09	27	2
Progeny 4805RR	Progeny	—	—	74.6	09/09	30	2
Progeny 4949RR	Progeny	60.4	47.7	74.5	09/10	33	2
TSR47RJ41 (E)	Terral	—	—	74.2	09/13	43	4
NK S49-Q9	NK	63.7	40.6	74.2	09/13	25	2
TV48R14	Terral	—	45.9	74.1	09/07	39	2
Armor ARX D49104 (E)	Armor	—	—	73.5	09/05	38	2
DK XTJ650 (E)	Delta King	—	—	73.2	09/09	34	2
DG 36Y48	Dyna Gro	—	—	72.4	09/09	32	2
AV 50D2NRR	AgVenture	—	—	72.3	09/08	33	2
DG 36M49	Dyna-Gro	64.9	48.9	72.2	09/06	31	3
DK4868RR	Delta King	73.66	47.1	72.2	08/30	33	2
MorSoy RT 4914N (E)	MorSoy	—	—	71.6	09/08	32	2
DPX 4818RR/S (E)	DPL	—	—	71.4	09/05	42	3
AG4903	Asgrow	—	57.5	71.3	09/05	27	1
FFR 4925RR	FFR	—	—	71.0	09/08	36	3
V49N6RR	Vigoro	—	—	71.0	09/11	34	2
MorSoy RT 4955N (E)	MorSoy	—	—	70.9	09/09	32	4
RC 4992	Croplan Genetics	—	—	70.8	09/07	35	3
Armor ARX F47105 (E)	Armor	—	—	70.7	09/06	23	2
AV49J7NRR	AgVenture	—	47.9	70.6	09/04	31	2
HBK R4724	Hornbeck	—	40.6	70.5	09/06	29	1
476.RC	Schillinger	—	—	70.3	09/04	34	3
USG 7494nRR	USG	—	50.8	70.1	09/05	32	3
DG 4840RR	Delta Grow	—	47.4	70.0	09/06	28	2
DP4933RR	DPL	71.6	55.0	69.8	09/08	34	3
495.RC	Schillinger	—	51.9	69.8	09/11	24	3
Armor GP-488	Armor	—	—	69.7	09/08	32	2
Armor GP 474	Armor	66.3	54.5	69.2	09/06	32	2
94B73	Pioneer	52.6	47.7	69.0	08/27	26	2
S03-166 (E)	Public	—	—	69.0	09/05	30	3
FFR 4705RR	FFR	—	—	68.5	09/04	28	1
MorSoy RT 4993	MorSoy	66.7	44.9	68.5	08/30	35	3
TV48R43	Terral	—	52.8	68.4	09/03	34	2
USG 747R6	USG	—	—	67.9	09/11	16	1
DG 4960RR	Delta Grow	64.4	35.5	67.8	09/06	21	1

Continued.

Table 56 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
RT 5130N	Southern States	—	33.1	67.8	09/08	19	1
AG4801	Asgrow	—	46.9	67.2	09/03	22	1
DK4967RR	Delta King	57.4	43.6	67.0	08/29	28	2
ESXVT-17RR (E)	Eagle Seed	60.6	60.1	66.9	09/13	43	4
FFR 4922RR	FFR	74.9	47.8	66.9	09/07	37	4
DG 3481NRR	Dyna-Gro	53.5	48.3	66.9	08/29	28	2
DG 4970RR	Delta Grow	—	55.7	66.6	09/11	29	3
AG4703	Asgrow	—	—	66.4	09/02	20	2
DP4724RR	DPL	58.6	52.9	65.9	08/29	27	2
DG 3484nRR	Dyna-Gro	—	—	65.8	06/04	33	2
TSR48RK33 (E)	Terral	—	—	65.5	09/11	49	3
TV49R12	Terral	62.7	47.3	65.2	09/08	37	3
DK XTJ648 (E)	Delta King	—	—	65.2	08/28	36	3
MorSoy RT 4802	MorSoy	58.5	52.2	65.1	08/29	33	2
DG 4860RR	Delta Grow	54.8	45.4	65.1	08/30	28	2
TVX47R203 (E)	Terral	—	—	65.1	09/11	42	3
SS RT 4902	Southern States	70.9	53.2	64.8	09/11	34	4
DK 4766RR	Delta King	—	—	64.6	08/30	39	2
DK 4763RR	Delta King	61.1	42.6	64.3	08/28	28	2
TVX47R213 (E)	Terral	—	—	64.1	09/13	34	3
Progeny 4804RR	Progeny	—	47.4	63.9	09/05	24	2
V48N5RR	Vigoro	—	39.0	63.6	09/01	27	2
Armor GP 470	Armor	—	—	62.6	08/27	29	3
USG 7499nRR	USG	—	36.5	62.6	09/06	32	2
USG 7484nRR	USG	—	45.4	61.1	09/05	27	2
AV48D1NRR	AgVenture	—	—	59.5	09/02	29	1
S03-390 (E)	Public	—	—	59.0	09/06	28	2
MorSoy RT 4731	MorSoy	—	—	59.0	08/29	30	1
94M80	Pioneer	—	—	56.5	08/29	27	2
Overall Mean		62.0	45.3	69.9			
LSD (.10)		6.2	7.1	6.7			
Error degrees of freedom		104	147	156			
CV (%)		7.4	11.6	7.1			
R^2 (%)		78	70	68			

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

Table 57. Roundup Ready Maturity Group V Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
TVX51R50 (E)	Terral	—	—	78.1	09/12	43	3
AG5702	Asgrow	—	—	76.7	09/23	22	1
DK 5366RR	Delta King	70.3	53.7	75.3	09/22	30	1
Armor GP 513	Armor	67.6	55.1	74.4	09/13	23	1
TV55R15	Terral	—	59.2	74.3	09/19	34	2
Progeny 5105RR	Progeny	—	—	73.5	09/06	32	2
USG 7582nRR	USG	—	—	73.5	10/01	24	1
Progeny 5115RR	Progeny	—	—	73.5	09/07	33	2
DG 33B52	Dyna-Gro	67.1	58.5	73.3	09/12	26	2
DK XTJ603 (E)	Delta King	—	—	73.2	09/13	20	1
ESXVT-520RR (E)	Eagle Seed	—	—	73.1	09/10	22	1
DG 3535NRR	Dyna-Gro	67.5	43.9	73.0	09/18	24	2
DK 5066RR	Delta King	—	—	72.7	09/05	28	3
USG 7515nRR	USG	—	—	72.6	09/08	29	2
DG 5555RR	Delta Grow	—	61.2	72.5	09/18	32	2
DG 5650RR	Delta Grow	60.9	47.2	72.4	09/24	26	1
DK XTJ6G510 (E)	Delta King	—	—	72.3	09/12	40	2
DG 33X55	Dyna Gro	—	—	72.3	09/18	24	1
TSR54RJ41 (E)	Terral	—	—	71.9	09/19	26	1
DG 3562NRR	Dyna-Gro	69.1	49.9	71.1	09/17	26	2
TV52R14	Terral	69.5	48.0	70.9	09/14	21	1
95M50	Pioneer	—	—	70.9	09/22	24	1
Armor GP 530	Armor	—	55.4	70.8	09/15	35	2

Continued.

Table 57 (cont.). Roundup Ready Maturity Group V Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG5160RR	Delta Grow	—	—	70.5	09/08	22	1
DP5414RR	DPL	58.7	50.7	70.3	09/12	29	1
DPX 5115RR/S (E)	DPL	—	—	70.2	09/11	41	2
HBK R5425	Hornbeck	—	—	70.1	09/23	46	3
DG 5260RR	Delta Grow	71.8	49.6	70.0	09/19	23	1
DP5634RR	DPL	62.5	64.5	69.7	09/15	26	1
Progeny 5650RR	Progeny	—	—	69.6	09/29	18	1
FFR 5663RR	FFR	—	67.3	69.6	09/22	23	1
DK XTJ652 (E)	Delta King	—	—	69.4	09/22	40	1
Progeny 5660RR	Progeny	68.9	54.3	69.1	09/26	28	1
DG 5630RR	Delta Grow	67.8	51.3	69.0	09/30	27	1
HBK R5620	Hornbeck	70.0	49.4	68.4	09/28	24	1
MorSoy RT 5553	MorSoy	68.7	46.8	68.3	09/15	32	1
USG 7562nRR	USG	—	—	68.2	09/26	26	1
V55N5RR	Vigoro	—	46.5	68.0	09/19	33	1
DK55T6RR	Delta King	—	44.5	68.0	10/01	25	1
Progeny 5205RR	Progeny	—	—	67.8	09/06	28	3
DG5560RR	Delta Grow	—	—	67.6	09/22	20	1
RT 5540N	Southern States	—	47.8	67.2	09/17	25	1
HBK R5525	Hornbeck	—	—	67.1	09/19	22	1
AV54D4	AgVenture	—	—	66.9	09/14	47	3
5142-4	Stine	—	—	66.9	09/05	29	2
Progeny 5622RR	Progeny	—	47.8	66.7	09/28	25	1
95B43	Pioneer	76.1	53.2	66.0	09/19	22	1
AG5501	Asgrow	62.5	52.4	65.9	09/21	23	1
S03-383 (E)	Public	—	—	65.7	09/22	32	1
HBK R5324	Hornbeck	—	52.2	65.7	09/10	22	1
5212RR/N	Garst	60.9	50.0	65.5	09/18	32	1
Armor GP 555	Armor	—	—	65.2	09/20	21	2
SS RT 5302N	Southern States	63.0	51.0	64.9	09/19	23	1
Progeny 5250RR	Progeny	67.0	55.0	64.7	09/14	19	1
Armor ARX A50104 (E)	Armor	—	—	64.5	09/09	28	3
FFR 5033RR	FFR	—	35.5	64.5	09/09	21	1
MorSoy RT 5620	MorSoy	67.1	52.9	64.4	09/22	23	1
TSR53RK34 (E)	Terral	—	—	64.3	09/25	30	1
DK5567RR	Delta King	—	58.7	64.2	09/21	19	1
DK 5161RR	Delta King	69.0	61.8	63.0	09/12	23	1
RC 5332	Croplan Genetics	—	—	62.9	09/15	25	1
TSR53RJ42 (E)	Terral	—	—	62.7	09/22	19	1
TN05-547RR (E)	Public	—	—	62.5	09/22	24	1
TSR52RJ41(E)	Terral	—	—	62.3	09/21	29	1
AVXD56B (E)	AgVenture	—	—	62.1	10/01	27	2
NK S56-D7	NK	67.6	59.5	62.1	09/21	23	1
DK XTJ604 (E)	Delta King	—	—	61.6	09/24	20	1
Armor 54-03	Armor	—	41.5	61.3	09/18	29	1
TV56R45	Terral	—	57.9	61.2	09/21	25	1
USG 7553nRS	USG	68.1	50.6	61.0	09/21	21	1
TV56R12	Terral	61.0	55.6	60.3	09/20	18	1
ESXVT-552RR (E)	Eagle Seed	—	—	58.9	09/22	22	1
USG 7505nRR	USG	—	—	58.3	09/04	27	2
TN05-548RR (E)	Public	—	—	58.1	09/23	25	1
DK 5466RR	Delta King	—	—	57.5	09/12	15	1
HBK R5123	Hornbeck	48.4	57.4	57.1	09/20	44	4
DK XTJ6501 (E)	Delta King	—	—	56.8	09/05	34	3
ESXVT-110RR (E)	Eagle Seed	—	—	56.2	09/23	25	1
AVXD53 (R)	AgVenture	—	—	55.6	09/15	28	2
DG 5460RR	Delta Grow	62.1	48.0	55.2	09/21	21	1
Overall Mean		63.5	50.6	67.0			
LSD (.10)		6.1	6.7	7.2			
Error degrees of freedom		136	156	158			
CV (%)		7.1	9.8	7.9			
R^2 (%)		73	74	61			

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

Table 58. Roundup Ready Maturity Group V Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5702	Asgrow	—	—	76.4	09/22	31	1
DK5967RR	Delta King	57.9	51.1	74.0	10/01	27	1
TV59R14	Terral	60.0	49.9	72.9	09/28	24	1
DP 5808RR	DPL	—	63.1	71.1	09/20	25	1
DG 5960RR	Delta Grow	61.9	53.7	71.1	10/02	24	1
Progeny 5822RR	Progeny	60.0	54.9	71.0	10/01	26	1
5924RR/N	Garst	51.4	56.3	70.6	10/01	24	1
DG 36N57	Dyna Gro	—	66.2	70.0	09/23	26	1
HBK R5825	Hornbeck	—	—	69.3	09/28	27	2
DG 38K57	Dyna-Gro	66.5	39.8	68.9	09/25	22	1
DG 3600	Dyna Gro	—	—	68.8	09/24	32	2
TV57R14	Terral	70.3	48.0	68.1	09/23	26	1
AV 57D7RR	AgVenture	—	64.8	68.1	09/22	20	1
SS RT 5702N	Southern States	56.6	58.6	68.0	09/20	38	2
DP5915RR	DPL	52.5	57.4	67.0	09/25	34	1
DG5830RR	Delta Grow	—	—	66.9	09/22	25	1
AG5905	Asgrow	—	52.8	66.4	09/22	26	1
HBK R5924	Hornbeck	—	56.7	66.2	09/29	24	1
ES XVT46RR (E)	Eagle Seed	52.2	59.5	65.9	09/22	29	1
AG5903	Asgrow	59.1	56.5	65.8	09/22	20	1
95M80	Pioneer	—	56.4	65.5	09/25	26	1
DG 3583NRR	Dyna-Gro	61.8	49.8	64.3	10/01	22	1
SS RT5951N	Southern States	—	—	64.3	09/26	29	1
586.RC	Schillinger	—	—	63.6	10/02	28	2
Armor ARX B57104 (E)	Armor	—	—	61.4	09/21	19	1
ESXVT-41RR (E)	Eagle Seed	45.7	57.7	60.2	09/30	25	1
Overall Mean		58.3	53.5	67.9			
LSD (.10)		6.5	5.0	7.0			
Error degrees of freedom		94	90	50			
CV (%)		8.3	6.9	7.5			
R^2 (%)		75	86	47			

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

Location 6. Ballground Plantation, Warren County

Location Summary

Soybean plots emerged to a uniform stand, and good growing conditions got the plants off to a good start. In general, the growing season went well. Disease pressure was low, and one insecticide application was made for stinkbugs. Although there was significant wind and rainfall from Hurricane Katrina, the test was not adversely affected.

Soil type . . . . . **Loring silt loam**
Soil pH **7.0**
Soil fertility . . . . . **P=;H K=L**
Fertilizer added . . . . . **None**
Herbicide application . . . . **Preemergence — Conventional – Scepter @ 2.86 oz/A + Dual II Magnum @ 24 oz/A on 4-20-05**
Roundup Ready – Dual II Magnum @ 24 oz/A on 4-20-05
Postemergence — Conventional – Select @ 10 oz/A + COC on 6-15-05
Roundup Ready – Roundup Weathermax @ 22 oz/A on 6-15-05
Insecticide application . . . **Orthene @ 1.0 lb/A on 9-14-05**
Planting date . . . . . **April 20**
Harvest date . . . . . **Group IV (September 15); Group V (October 13)**

Rainfall Summary

	Inches
April	**5.31**
May	**4.83**
June	**2.11**
July	**1.48**
August	**10.26**
September	**3.82**
Total	**27.81**

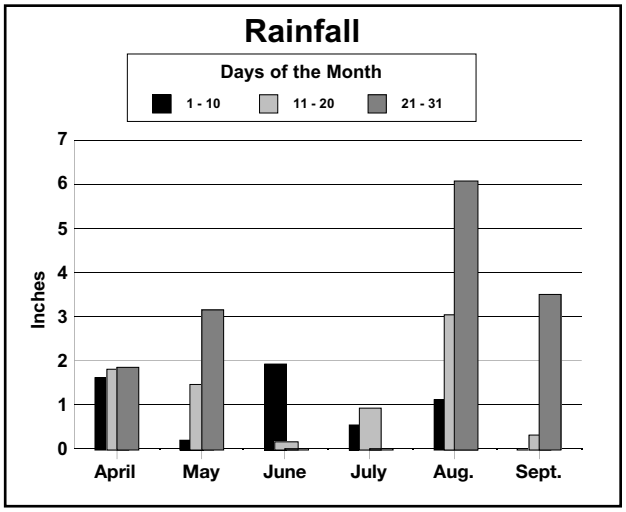

Table 59. Maturity Group IV Soybeans (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
S00-9925-10 (E)	Public	—	54.9	63.5	09/06	23	1
Progeny 4910	Progeny	65.2	57.0	63.4	09/06	37	1
DT99-17400 (E)	Public	—	—	59.5	09/06	24	1
DP4748S	DPL	41.7	63.1	58.6	09/08	40	1
UA4805 (E)	Public	—	—	54.5	09/06	22	1
DT98-7278 (E)	Public	61.5	55.8	48.8	09/06	23	1
Overall Mean		57.6	55.4	58.1			
LSD (.10)		10.0	5.8	6.3			
Error degrees of freedom		16	14	10			
CV (%)		12.2	7.3	7.4			
R^2 (%)		75	80	75			

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

Table 60. Maturity Group V Early Soybeans (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 5601T	USG	72.1	53.6	61.6	09/14	29	1
S00-9970-09 (E)	Public	—	—	61.2	09/21	23	2
Teejay	Public	75.7	68.7	59.0	09/14	26	1
Ozark	Public	79.7	57.1	58.6	09/14	46	2
USG 5002T	USG	65.0	63.3	58.0	09/12	19	1
DP5110S	DPL	59.5	57.0	54.6	09/08	32	3
HBK C5025	Hornbeck	—	—	52.7	09/15	40	4
DB01-080 (E)	Public	—	—	47.5	09/12	28	2
DB01-5463 (E)	Public	—	—	45.3	09/21	21	3
DB01-4249 (E)	Public	—	—	39.2	09/08	23	2
Overall Mean		68.2	57.1	53.8			
LSD (.10)		8.5	6.2	9.0			
Error degrees of freedom		26	28	18			
CV (%)		9.0	7.8	11.9			
R^2 (%)		64	70	69			

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

Table 61. Maturity Group V Late Soybeans (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DK5870RR	Delta King	—	—	65.0	10/12	37	3
DK 5995	Delta King	59.0	38.1	59.7	10/10	26	2
R97-1634 (E)	Public	—	37.9	58.6	10/10	24	2
Progeny 5770	Progeny	—	40.5	55.3	10/10	30	2
HBK C5894	Hornbeck	—	39.3	53.2	10/10	36	3
Hutcheson	Public	68.0	45.8	50.4	10/11	24	2
Freedom	Public	62.3	38.1	42.5	10/11	27	4
R98-209	Public	—	—	36.7	10/12	27	2
Overall Mean		61.6	41.4	52.7			
LSD (.10)		10.7	10.4	6.6			
Error degrees of freedom		26	18	14			
CV (%)		12.4	17.8	8.8			
R^2 (%)		63	29	86			

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

Table 62. Roundup Ready Maturity Group IV Early Soybeans (Ballground Plantation, Warren County).[1]							
Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG4460RR	Delta Grow	—	—	72.4	08/20	35	2
DP4546RR	DPL	48.8	52.0	70.0	08/25	33	2
Armor GP-454	Armor	—	—	69.8	08/20	37	3
MorSoy RT 4480	MorSoy	—	—	69.6	08/24	36	3
Progeny 4401RR	Progeny	51.9	55.6	67.7	08/25	29	2
DP4331RR	DPL	44.1	55.4	66.9	08/20	30	2
DG 37A44	Dyna Gro	—	—	66.6	08/17	33	3
AG4703	Asgrow	—	—	66.5	08/30	24	1
DKB44-51	DEKALB	43.8	55.5	66.1	08/25	29	2
Progeny 4615RR	Progeny	—	—	65.5	08/24	32	3
DG4660RR	Delta Grow	—	—	64.2	09/05	35	2
SS RT4651N	Southern States	—	—	63.7	09/07	27	2
V44N6RR	Vigoro	—	—	62.7	08/17	34	4
HBK R3824	Hornbeck	—	—	62.2	08/17	26	3
AG4403	Asgrow	44.8	54.9	61.9	08/20	27	2
DK 4461RR	Delta King	55.5	60.1	61.8	08/22	31	2
DG 3443NRR	Dyna-Gro	52.9	49.5	61.8	08/19	30	2
DK 4667	Delta King	—	—	61.1	08/13	36	4
USG 7440nRR	USG	53.7	50.5	61.0	08/13	33	2
Progeny 4405RR	Progeny	—	—	61.0	08/17	28	2
FFR 4545RR	FFR	—	—	61.0	08/25	25	2
DG4150RR	Delta Grow	—	—	60.8	08/19	28	3
DK XTJ601 (E)	Delta King	—	—	60.7	08/16	30	2
MorSoy RT 4665N (E)	MorSoy	—	—	60.7	08/20	35	3
DG 35B40	Dyna Gro	—	—	59.8	08/19	26	2
DG4250RR	Delta Grow	—	—	59.6	08/23	32	2
DKB46-51	DEKALB	53.0	59.2	59.3	08/20	25	2
Progeny 4205RR	Progeny	—	—	59.3	08/20	27	2
RC 4455	Croplan Genetics	—	—	59.2	08/20	30	2
Armor GP 422	Armor	—	—	58.9	08/15	27	2
X841029 (E)	Vigoro	—	—	58.6	08/16	32	3
TV45R14	Terral	—	56.5	58.6	08/19	31	3
RC 4655	Croplan Genetics	—	—	58.5	08/24	30	2
TVX47RT16 (E)	Terral	—	—	58.5	08/30	33	2
4842-4	Stine	—	—	57.9	08/12	27	3
DK XTJ6D44 (E)	Delta King	—	—	57.9	08/13	29	2
DK4661	Delta King	—	57.9	57.9	08/16	32	3
AV44D4	AgVenture	—	—	57.0	08/13	40	5
Progeny 4315RR	Progeny	—	—	56.7	08/20	32	2
AG4503	Asgrow	—	—	56.7	08/23	29	2
4612RR/N	Garst	43.5	62.5	56.0	08/25	22	2
TV46R15	Terral	—	54.3	55.6	08/23	30	2
AV46J5NRR	AgVenture	—	55.2	55.4	08/15	26	1
DK4566	Delta King	—	—	55.0	08/15	27	2
USG 7455nRR	USG	—	—	54.5	08/16	32	3
AG4404	Asgrow	—	—	53.9	08/20	25	2
HBK R4623	Hornbeck	55.8	55.2	53.7	08/16	28	3
AG4201	Asgrow	34.9	54.5	53.7	08/17	28	3
DK XTJ640 (E)	Delta King	—	—	53.6	08/13	29	1
USG 7466nRR	USG	—	—	53.5	08/15	36	3
DG 3463NRR	Dyna-Gro	50.7	53.8	53.3	08/16	30	2
Armor 44-R4	Armor	47.6	53.0	53.0	08/12	30	2
TVX46R223 (E)	Terral	—	—	51.9	08/24	28	2
AV42D1	AgVenture	—	—	51.7	08/13	29	3
NK S43-B1	NK	35.7	52.1	51.6	08/17	27	2
MorSoy RT 4485N (E)	MorSoy	—	—	51.6	08/13	32	3
DK XTJ6D42 (E)	Delta King	—	—	51.1	08/13	27	1
94M30	Pioneer	—	—	50.8	08/17	23	2
TVX43R51 (E)	Terral	—	—	49.5	08/16	31	2
DKB42-51	DEKALB	—	—	48.5	08/19	27	2
TVX46R213 (E)	Terral	—	—	48.5	08/24	26	2
DPX 1908RR (E)	DPL	—	—	46.9	08/15	28	4
V41N6RR	Vigoro	—	—	45.5	08/13	25	2
Armor 42-B2	Armor	—	—	44.0	08/12	25	2
RC 4095	Croplan Genetics	—	—	42.7	08/12	24	2

Continued.

Table 62 (cont.). Roundup Ready Maturity Group IV Early Soybeans (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003[2]	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 7434nRR	USG	—	58.5	40.8	08/13	23	1
TVX41R50 (E)	Terral	—	—	40.4	08/12	29	4
Overall Mean		46.8	54.0	57.4			
LSD (.10)		9.1	8.3	8.7			
Error degrees of freedom		52	98	132			
CV (%)		14.2	11.3	11.2			
R^2 (%)		63	46	67			

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

Table 63. Roundup Ready Maturity Group IV Late Soybeans (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 35Z49	Dyna Gro	—	—	73.0	09/08	34	1
V50N6RR	Vigoro	—	—	71.7	09/06	26	1
RT 5130N	Southern States	—	57.6	70.9	09/14	28	1
DK XTJ6025 (E)	Delta King	—	—	70.4	09/06	26	1
DK XTJ6G51 (E)	Delta King	—	—	70.2	09/08	38	1
FFR 4925RR	FFR	—	—	70.1	09/06	35	1
SS RT4981N	Southern States	—	—	69.8	09/14	26	1
DG 4840RR	Delta Grow	—	59.9	69.4	09/06	33	2
HBK R4924	Hornbeck	—	52.3	69.2	09/06	32	1
476.RC	Schillinger	—	—	68.8	09/06	31	1
TSR47RJ41 (E)	Terral	—	—	68.7	09/08	34	1
DG 4960RR	Delta Grow	69.1	56.5	68.7	09/08	27	1
Progeny 4805RR	Progeny	—	—	68.6	09/08	32	1
S03-166 (E)	Public	—	—	68.6	09/08	29	1
495.RC	Schillinger	—	65.4	68.4	09/08	28	2
DG 36M49	Dyna-Gro	59.6	61.2	67.9	08/30	28	1
DG 36Y48	Dyna Gro	—	—	67.4	09/08	29	1
DK XTJ602 (E)	Delta King	—	—	67.1	09/06	30	1
DK4866	Delta King	—	54.3	66.1	09/06	32	1
TSR49RL45 (E)	Terral	—	—	65.6	09/06	43	1
S03-390 (E)	Public	—	—	65.5	09/06	36	1
DG 4970RR	Delta Grow	—	59.4	65.4	09/08	31	1
DK XTJ6L49 (E)	Delta King	—	—	65.4	09/08	31	1
DPX 4919RR/S (E)	DPL	—	—	65.2	09/08	38	1
4999RR/N	Garst	—	55.5	65.1	09/06	34	1
TV48R14	Terral	—	57.2	64.9	09/06	28	1
TSR48RK33 (E)	Terral	—	—	64.8	09/08	36	2
TVX49R50 (E)	Terral	—	—	64.3	09/08	35	1
NK S49-Q9	NK	63.0	55.3	63.5	09/08	33	1
ESXVT-17RR (E)	Eagle Seed	68.9	45.2	63.4	09/06	42	2
TV49R12	Terral	55.4	53.4	63.1	09/06	33	1
DP4933RR	DPL	48.4	45.3	62.4	09/14	40	1
USG 7499nRR	USG	—	48.2	61.7	08/21	29	1
DPX 4818RR/S (E)	DPL	—	—	61.6	09/08	37	1
MorSoy RT 4955N (E)	MorSoy	—	—	61.6	09/06	28	1
TV48R43	Terral	—	59.0	61.1	09/06	29	1
AV49J7NRR	AgVenture	—	56.0	60.4	08/25	36	1
94M80	Pioneer	—	—	60.3	08/17	39	1
DK XTJ650 (E)	Delta King	—	—	60.3	08/17	28	1
V49N6RR	Vigoro	—	—	60.3	09/06	31	1
Progeny 4949RR	Progeny	55.9	58.5	60.2	09/08	31	1
ESXVT-489RR (E)	Eagle Seed	—	—	59.7	08/24	36	1
USG 7484nRR	USG	—	43.6	59.3	08/20	29	1
USG 747R6	USG	—	—	59.2	09/06	25	1

Continued.

Table 63 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4724	Hornbeck	—	58.6	59.1	09/06	32	1
FFR 4705RR	FFR	—	—	59.1	09/06	26	1
DG 3484nRR	Dyna-Gro	—	—	58.9	09/07	37	1
FFR 4922RR	FFR	56.6	47.4	58.8	09/06	38	1
USG 7494nRR	USG	—	56.3	58.8	08/21	31	1
MorSoy RT 4914N (E)	MorSoy	—	—	58.7	08/25	34	1
RC 4992	Croplan Genetics	—	—	58.2	09/08	42	1
DP4724RR	DPL	36.9	57.6	58.2	09/25	26	1
AV 50D2NRR	AgVenture	—	—	57.9	09/06	28	1
Progeny 4804RR	Progeny	—	55.1	56.4	09/06	31	1
AG4903	Asgrow	—	63.0	56.1	08/21	32	1
DK 4766RR	Delta King	—	—	56.0	08/21	32	2
DK4868RR	Delta King	46.6	59.4	55.8	09/06	28	2
AG4801	Asgrow	—	48.2	55.6	08/21	26	1
TVX47R203 (E)	Terral	—	—	54.7	09/06	35	1
Armor ARX D49104 (E)	Armor	—	—	54.6	08/23	33	1
AG4703	Asgrow	—	—	54.2	09/06	26	1
Armor GP 474	Armor	56.6	58.8	54.2	08/20	30	1
MorSoy RT 4993	MorSoy	52.3	53.0	54.1	08/17	26	1
DG 3481NRR	Dyna-Gro	46.2	55.0	54.1	08/23	25	1
Armor GP 470	Armor	—	—	53.9	08/16	30	1
DK4967RR	Delta King	47.9	51.2	53.9	08/23	22	1
MorSoy RT 4802	MorSoy	44.3	61.2	53.6	08/21	25	1
TVX47R213 (E)	Terral	—	—	52.9	09/06	27	1
V48N5RR	Vigoro	—	56.4	52.9	08/24	29	1
DK 4763RR	Delta King	46.8	50.9	52.6	08/17	27	1
Armor ARX F47105 (E)	Armor	—	—	52.5	08/25	29	1
DG 4860RR	Delta Grow	42.6	62.1	52.4	08/16	31	1
DK XTJ648 (E)	Delta King	—	—	51.9	08/16	29	1
Armor GP-488	Armor	—	—	51.3	08/23	30	1
ESXVT-487RR (E)	Eagle Seed	—	—	50.6	08/21	35	1
94B73	Pioneer	35.6	49.9	49.7	09/08	29	1
AV48D1NRR	AgVenture	—	—	49.2	08/25	21	1
MorSoy RT 4731	MorSoy	—	—	46.9	08/17	21	1
SS RT 4902	Southern States	53.3	52.0	40.5	09/15	43	1
Overall Mean		50.8	53.5	60.5			
LSD (.10)		7.1	10.3	9.9			
Error degrees of freedom		104	148	156			
CV (%)		10.4	14.3	12.1			
R^2 (%)		84	57	61			

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

Table 64. Roundup Ready Maturity Group V Early Soybeans (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 5555RR	Delta Grow	—	47.0	65.7	09/12	27	2
ESXVT-520RR (E)	Eagle Seed	—	—	61.9	09/12	27	2
NK S56-D7	NK	63.9	50.2	60.5	10/06	25	3
FFR 5663RR	FFR	—	46.3	59.2	09/19	28	2
DG 33X55	Dyna Gro	—	—	58.4	10/03	20	1
DG 5650RR	Delta Grow	59.8	44.7	58.1	09/20	28	3
TN05-547RR (E)	Public	—	—	58.0	09/25	26	1
DG 5260RR	Delta Grow	66.1	43.4	57.8	09/15	27	2
95M50	Pioneer	—	—	57.4	09/15	24	2
USG 7582nRR	USG	—	—	57.3	09/24	25	2
USG 7515nRR	USG	—	—	57.1	09/08	28	2
RT 5540N	Southern States	—	51.7	57.1	09/24	26	1
Progeny 5250RR	Progeny	54.6	51.7	57.0	09/15	22	1
DG5160RR	Delta Grow	—	—	56.6	08/21	28	3
Progeny 5105RR	Progeny	—	—	56.4	09/08	30	2
DP5634RR	DPL	59.9	44.8	56.1	09/22	27	3
TV55R15	Terral	—	49.6	56.0	09/15	30	2
HBK R5525	Hornbeck	—	—	55.6	10/03	24	2
DP5414RR	DPL	55.8	48.2	55.6	10/03	40	2
MorSoy RT 5553	MorSoy	61.2	49.7	55.3	09/24	27	1
Progeny 5650RR	Progeny	—	—	54.9	10/06	24	2
Progeny 5115RR	Progeny	—	—	53.9	09/15	35	2
95B43	Pioneer	58.3	43.4	53.9	09/15	29	1
Progeny 5622RR	Progeny	—	32.7	53.6	10/06	24	1
Armor GP 555	Armor	—	—	53.5	09/21	20	3
Armor GP 513	Armor	61.8	43.1	53.2	09/23	21	2
TVX51R50 (E)	Terral	—	—	53.0	09/12	31	2
AVXD53 (E)	AgVenture	—	—	52.8	09/08	26	2
HBK R5324	Hornbeck	—	46.9	52.3	09/08	25	2
DK 5466RR	Delta King	—	—	51.7	09/14	23	2
V55N5RR	Vigoro	—	42.8	51.6	09/22	26	2
TN05-548RR (E)	Public	—	—	51.4	09/23	23	1
Armor GP 530	Armor	—	39.9	51.4	09/24	23	2
TV52R14	Terral	56.2	50.8	51.2	09/06	25	1
MorSoy RT 5620	MorSoy	57.8	43.4	51.2	09/25	18	1
DK 5066RR	Delta King	—	—	51.0	09/06	31	2
AG5501	Asgrow	45.4	39.1	50.7	09/23	21	1
DG 5630RR	Delta Grow	57.9	33.1	50.3	10/05	32	3
5142-4	Stine	—	—	50.3	09/06	31	2
S03-383 (E)	Public	—	—	50.3	09/25	38	2
DPX 5115RR/S (E)	DPL	—	—	50.0	09/08	37	3
ESXVT-110RR (E)	Eagle Seed	—	—	49.9	09/19	26	4
AG5702	Asgrow	—	—	49.8	09/15	21	1
DK 5161RR	Delta King	61.9	43.8	49.8	09/12	19	1
DK55T6RR	Delta King	—	30.7	49.8	09/25	28	1
DK XTJ6G510 (E)	Delta King	—	—	49.7	09/12	40	3
DG 3535NRR	Dyna-Gro	59.3	35.1	49.6	10/05	30	3
TV56R45	Terral	—	35.9	49.5	09/06	20	1
USG 7553nRS	USG	55.8	47.8	49.0	09/08	21	2
DG 5460RR	Delta Grow	64.1	40.3	48.9	09/06	21	2
DK XTJ603 (E)	Delta King	—	—	48.8	09/14	22	1
TSR54RJ41 (E)	Terral	—	—	48.4	10/03	27	1
DG 3562NRR	Dyna-Gro	53.9	39.8	47.9	10/05	26	3
TSR53RJ42 (E)	Terral	—	—	47.3	09/23	26	1
FFR 5033RR	FFR	—	44.7	47.0	09/06	25	1
TV56R12	Terral	65.2	40.4	46.8	09/15	28	2
DG 33B52	Dyna-Gro	56.2	53.3	46.6	10/05	25	2
HBK R5620	Hornbeck	55.8	33.7	46.5	10/08	32	2
DK 5366RR	Delta King	53.9	38.4	46.0	10/03	27	2
DK XTJ652 (E)	Delta King	—	—	45.9	09/21	40	3
USG 7505nRR	USG	—	—	45.9	09/08	30	4
DK XTJ604 (E)	Delta King	—	—	45.2	09/28	19	1
AV54D4	AgVenture	—	—	45.2	09/08	40	3
Armor 54-03	Armor	—	39.7	44.5	09/12	19	1
TSR52RJ41 (E)	Terral	—	—	44.4	09/21	33	2

Continued.

Table 64 (cont.). Roundup Ready Maturity Group V Early Soybeans (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 7562nRR	USG	—	—	44.2	10/05	24	2
DK5567RR	Delta King	—	39.4	44.0	10/03	17	1
Progeny 5660RR	Progeny	58.2	31.3	43.2	10/07	24	2
RC 5332	Croplan Genetics	—	—	43.0	09/21	27	2
ESXVT-552RR (E)	Eagle Seed	—	—	42.7	09/20	28	2
Progeny 5205RR	Progeny	—	—	42.5	09/07	29	3
SS RT 5302N	Southern States	49.0	36.6	42.2	09/20	25	2
DG5560RR	Delta Grow	—	—	42.0	09/23	23	1
TSR53RK34 (E)	Terral	—	—	41.3	09/25	21	2
HBK R5123	Hornbeck	39.4	31.8	39.5	10/11	46	4
5212RR/N	Garst	52.0	37.6	38.5	09/28	30	2
Armor ARX A50104 (E)	Armor	—	—	38.0	09/08	32	2
HBK R5425	Hornbeck	—	—	36.0	10/05	38	3
DK XTJ6501 (E)	Delta King	—	—	35.0	09/07	31	2
AVXD56B (E)	AgVenture	—	—	33.8	10/05	27	3
Overall Mean		54.6	41.8	50.0			
LSD (.10)		6.7	8.4	8.2			
Error degrees of freedom		136	78	158			
CV (%)		9.1	12.1	12.2			
R^2 (%)		84	78	62			

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

Table 65. Roundup Ready Maturity Group V Late Soybeans (Ballground Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2003	2004	2005			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 36N57	Dyna Gro	—	38.8	72.6	09/21	29	3
DG 38K57	Dyna-Gro	56.7	23.4	68.1	09/24	27	2
DG5830RR	Delta Grow	—	—	64.2	09/25	31	2
5924RR/N	Garst	55.3	34.8	64.0	10/08	23	1
DG 5960RR	Delta Grow	52.0	25.7	63.9	10/03	25	1
Progeny 5822RR	Progeny	57.1	20.1	63.3	10/08	26	1
HBK R5924	Hornbeck	—	24.3	63.1	10/07	24	2
TV57R14	Terral	52.6	39.5	62.6	09/21	24	1
DP 5808RR	DPL	—	29.6	62.5	10/13	22	1
TV59R14	Terral	51.7	26.6	61.1	09/28	28	2
AG5903	Asgrow	62.2	16.5	60.5	09/24	25	2
AG5905	Asgrow	—	22.4	59.3	10/03	28	2
DP5915RR	DPL	53.1	23.9	56.5	10/08	28	2
DG 3600	Dyna Gro	—	—	55.6	10/06	34	3
AV 57D7RR	AgVenture	—	32.5	55.2	09/26	21	1
DG 3583NRR	Dyna-Gro	52.9	23.3	54.9	10/05	23	2
DK5967RR	Delta King	52.5	23.7	54.8	09/23	22	1
AG5702	Asgrow	—	—	53.4	09/20	19	1
ES XVT46RR (E)	Eagle Seed	49.6	17.9	52.2	10/07	29	1
95M80	Pioneer	—	25.6	52.0	09/28	23	1
HBK R5825	Hornbeck	—	—	51.3	10/18	30	2
Armor ARX B57104 (E)	Armor	—	—	48.4	09/21	22	1
SS RT5951N	Southern States	—	—	47.0	10/07	22	2
ESXVT-41RR (E)	Eagle Seed	43.9	15.1	41.1	10/07	27	2
SS RT 5702N	Southern States	45.3	26.8	40.7	10/07	38	3
586.RC	Schillinger	—	—	38.8	10/18	32	2
Overall Mean		53.1	24.0	56.4			
LSD (.10)		8.0	9.6	11.3			
Error degrees of freedom		94	45	50			
CV (%)		11.1	23.7	14.6			
R^2 (%)		74	84	63			

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

Plant Characteristics

Table 66. Plant Characteristics of Maturity Group IV Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			%	%
DP4748S	DPL	white	tawny	brown	black	2300	I	4.7	35.7	21.3
Progeny 4910	Progeny	white/purple	lt. tawny	tan	black	2700	I	4.9	34.7	20.4
DT98-7278 (E)	Public	white	tawny	tan	brown	3000	I	4.9	35.6	20.9
DT99-17400 (E)	Public	purple	tawny	tan	—	3100	—	4.9	34.8	20.9
S00-9925-10 (E)	Public	white	tawny	tan	black	3900	D	4.9	34.2	20.5
UA4805 (E)	Public	purple	gray	—	—	3400	D	4.8	36.2	19.7

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; 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 67. 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		%	%
DP5110S	DPL	white	tawny	tan	Brown	2700	5.1	35.9	20.5
HBK C5025	Hornbeck	white	gray	tan	buff	2900	5.0	34.7	20.9
USG 5002T	USG	white	tawny	tan	imp. black	2600	5.0	35.3	21.6
USG 5601T	USG	white	gray	tan	buff	3400	5.6	36.3	19.9
DB01-080 (E)	Public	white	gray	tan	—	2800	5.5	36.5	20.0
DB01-4249 (E)	Public	white	gray	tan	—	3800	5.2	35.1	20.6
DB01-5463 (E)	Public	white	tawny	tan	—	3200	5.6	35.9	19.7
Ozark	Public	purple	gray	tan	imp black	2900	5.2	35.7	20.1
S00-9970-09 (E)	Public	purple	tawny	tan	black	3400	5.5	36.6	19.5
Teejay	Public	purple	gray	tan	buff	2500	5.3	35.6	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 68. Plant Characteristics of Maturity Group V Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
DK 5870	Delta King	purple	gray	tan	imp. black	2400	5.8	36.3	19.9
DK 5995	Delta King	white	gray	brown	brown	3400	5.9	35.7	19.1
HBK C5894	Hornbeck	purple	gray	tan	imp. black	2600	5.8	36.6	19.9
Progeny 5770	Progeny	white	gray	tan	buff	2300	5.7	36.1	20.3
Freedom	Public	white	gray	tan	buff	3400	5.7	36.0	19.4
Hutcheson	Public	white	gray	tan	buff	3700	5.7	35.6	19.9
R97-1634 (E)	Public	white	gray	tan	buff	2900	6.2	35.3	18.9
R98-209	Public	purple	gray	—	—	3700	6.2	35.6	18.6

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

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			%	%
AV38T7	AgVenture	white	tawny	tan	black	2700	I	3.8	36.1	20.9
Armor GPX 3930 (E)	Armor	—	—	—	—	2700		3.9	36.2	20.1
AG3802	Asgrow	purple	gray	brown	imp. black	3100	I	3.8	36.6	20.0
AG3905	Asgrow	purple	tawny	tan	black	2800	I	3.9	36.6	20.1
AG3906	Asgrow	purple	tawny	brown	black	2400	I	3.9	35.6	20.6
DG3950RR	Delta Grow	purple	tawny	tan	black	2300	I	3.9	36.7	20.2
DK3964	Delta King	white	tawny	tan	black	3600	I	3.9	36.2	20.6
DK3968	Delta King	white	gray	tan	buff	3200	I	3.9	36.1	20.9
DK XTJ635 (E)	Delta King	purple	tawny	—	black	2600	I	3.5	36.3	20.8
DK XTJ638 (E)	Delta King	purple	tawny	—	black	2300	I	3.8	36.3	20.4
DK3967	Delta King	purple	tawny	—	black	2500	I	3.8	36.4	20.8
DP3861RR	DPL	purple	gray	tan	imp. black	2900	I	3.8	36.4	20.1
DG 31J39	Dyna-Gro	white	tawny	tan	black	3000	I	3.9	36.0	20.8
DG 3373	Dyna-Gro	purple	gray	brown	black	3100	I	3.7	36.8	20.0
DG 3392	Dyna-Gro	purple	tawny	brown	black	2600	I	3.9	35.8	20.8
DG 33A37	Dyna-Gro	—	—	—	—	2800	—	—	37.5	19.7
DG 37R39	Dyna-Gro	purple	tawny	tan	black	2300	I	3.9	36.4	20.3
Garst 3960RR/N	Garst	white	tawny	tan	black	2300	I	3.9	36.6	20.6
RT 3883N	MorSoy	purple	lt. tawny	tan	black	2200	I	3.8	36.6	20.6
NK S39-K6	NK Brand	purple	tawny	brown	black	2800	I	3.9	36.2	19.5
93M90	Pioneer	purple	gray	tan	imp. black	2600	I	3.9	37.2	20.3
Progeny 3900RR	Progeny	purple	lt. tawny	brown	black	2500	I	3.9	36.3	20.4
Progeny 3805RR	Progeny	purple	tawny	brown	black	2300	I	3.8	36.7	20.7
Progeny 3905RR	Progeny	purple	tawny	brown	black	2600	I	3.9	36.4	20.6
TV39RS31	Terral	purple	gray	brown	imp. black	3600	I	3.9	36.1	20.1

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; 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, 3.0 is very early in Group III, while 3.9 is very late in Group III.

Table 70. 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			%	%
AV46J5NRR	AgVenture	purple	tawny	tan	black	2100	I	4.6	36.3	20.9
AV42D1	AgVenture	purple/white	lt. tawny	brown	black	2700	I	4.2	35.1	21.3
AV44D4	AgVenture	purple	lt. tawny	brown	brown	2900	I	4.4	35.7	21.1
Armor 42-B2	Armor	purple	brown	tan	black	2600	—	4.2	35.1	21.1
Armor 44-R4	Armor	purple	gray	tawny	black	3400	I	4.4	35.1	21.9
Armor GP-422	Armor	purple	brown	tan	black	2600	—	4.2	35.1	21.6
Armor GP-454	Armor	—	—	—	—	2900	—	4.5	35.2	20.8
AG4201	Asgrow	white	tawny	tan	black	2800	I	4.2	35.9	21.2
AG4403	Asgrow	purple	lt. tawny	tan	black	3300	I	4.4	35.2	22.4
AG4404	Asgrow	white	tawny	tan	black	2700	I	4.4	36.1	20.8
AG4503	Asgrow	white	tawny	tan	black	2900	I	4.5	35.3	22.0
AG4703	Asgrow	purple	lt. tawny	tan	black	3200	I	4.7	35.9	20.7
RC4095	Croplan Genetics	white	lt. tawny	tan	black	3200	I	—	35.1	21.1
RC4455	Croplan Genetics	purple	lt. tawny	brown	black	3000	I	—	35.7	21.4
RC4655	Croplan Genetics	purple	tawny	tan	black	2900	I	—	36.1	20.4
DKB42-51	DEKALB	purple	gray	black	imp. black	3000	I	4.2	35.4	21.5
DKB44-51	DEKALB	purple	lt. tawny	brown	black	3100	I	4.4	35.0	22.2
DKB46-51	DEKALB	white	tawny	tan	black	3100	I	4.6	36.3	20.5
DG4150RR	Delta Grow	white	tawny	tan	brown	2900	I	4.1	36.4	20.5
DG4250RR	Delta Grow	purple/white	tawny	brown	black	2800	I	4.2	34.9	21.4
DG4460RR	Delta Grow	purple	tawny	brown	brown	2700	I	4.4	35.6	21.5
DG4660RR	Delta Grow	purple	tawny	brown	black	2900	I	4.5	34.9	21.3
DK4566	Delta King	purple	tawny	tan	black	3100	I	4.3	35.2	21.2
DK4461	Delta King	purple	lt. tawny	brown	black	3200	I	4.6	35.2	21.9
DK4661	Delta King	purple	tawny	tan	black	2700	I	4.6	36.3	20.2
DK XTJ601 (E)	Delta King	purple	tawny	—	black	3700	I	4.6	35.0	22.1

Continued.

Table 70 (cont.). 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			*%*	*%*
DK XTJ640 (E)	Delta King	white	tawny	—	brown	2700	I	4.0	36.5	20.4
DK4667	Delta King	purple	tawny	—	black	2800	I	4.6	35.1	20.8
DK XTJ6D42 (E)	Delta King	purple	gray	—	imp. black	2800	I	4.2	35.1	21.4
DK XTJ6D44 (E)	Delta King	purple	tawny	—	brown	2700	I	4.4	36.0	21.0
DP4331RR	DPL	purple	lt. tawny	brown	black	2400	I	4.3	35.1	22.0
DP4546RR	DPL	white	tawny	tan	black	2700	I	4.5	36.0	20.9
DPX 1908RR (E)	DPL	white	tawny	tan	black	3200	I	4.2	36.5	20.6
DG3443NRR	Dyna Gro	purple	tawny	brown	black	2600	I	4.4	35.2	21.9
DG3463NRR	Dyna Gro	white	tawny	tan	black	3100	I	4.6	36.8	20.4
DG35B40	Dyna Gro	purple	tawny	tan	black	2400	I	4.0	36.5	20.7
DG37A44	Dyna Gro	purple	tawny	tan	black	2900	I	4.4	35.9	21.4
FFR 4545RR	FFR	white	tawny	tan	black	2300	I	4.5	35.5	20.5
Garst 4612RR/N	Garst	purple	tawny	tan	black	2200	I	4.6	36.3	20.6
HBK R3824	Hornbeck	purple	lt. tawny	tan	black	2800	I	4.0	35.5	21.7
HBK R4623	Hornbeck	purple	tawny	tan	black	3100	I	4.5	35.6	21.3
RT 4480N	MorSoy	purple	lt. tawny	brown	black	2900	I	4.4	35.0	22.2
RT 4485N (E)	MorSoy	purple	tawny	brown	brown	2900	I	4.4	35.7	21.0
RT 4665N (E)	MorSoy	purple	tawny	brown	black	2900	I	4.6	34.8	21.0
NK S43-B1	NK Brand	purple	tawny	brown	brown	2700	I	4.3	35.7	20.7
94M30	Pioneer	white	tawny	brown	black	2700	I	4.3	36.8	21.0
Progeny 4401RR	Progeny	purple	lt. tawny	brown	black	2700	I	4.4	34.8	22.6
Progeny 4205RR	Progeny	white	tawny	tan	brown	2500	I	4.2	36.5	20.5
Progeny 4315RR	Progeny	Seg.	lt. tawny	brown	black	2700	I	4.3	34.9	21.4
Progeny 4405RR	Progeny	purple	tawny	brown	brown	2700	I	4.4	35.7	21.1
Progeny 4615RR	Progeny	purple	tawny	brown	black	2900	I	4.6	34.7	20.9
SS RT4651N	Southern States	white	tawny	tan	black	2400	I	4.6	35.3	20.0
4842-4	Stine	purple	lt. tawny	brown	black	3000	I	4.6	35.4	20.3
TV45R14	Terral	purple	tawny	tan	black	3600	I	4.5	36.2	20.9
TV46R15	Terral	white	tawny	tan	black	4000	I	4.6	35.5	21.7
TVX41R50 (E)	Terral	purple	tawny	tan	black	2600	I	4.1	35.2	21.3
TVX43R51 (E)	Terral	purple	tawny	brown	black	3100	I	4.3	35.3	21.0
TVX46R213 (E)	Terral	white	tawny	tan	black	4100	I	4.6	35.8	21.3
TVX46R223 (E)	Terral	white	tawny	tan	black	4100	I	4.6	35.7	21.5
TVX47RT16 (E)	Terral	purple	tawny	tan	black	3600	I	4.7	35.3	19.5
USG 7434NRR	USG	purple	tawny	brown	black	2300	I	4.4	35.2	21.4
USG 7440nRR	USG	purple	lt. tawny	tan	brown	3200	I	4.4	34.8	22.2
USG 7455nRR	USG	purple	tawny	brown	brown	2900	I	4.5	35.7	21.0
USG 7466nRR	USG	purple	tawny	brown	black	2800	I	4.6	35.2	20.9
V44N6RR	Vigoro	purple	lt. tawny	brown	brown	2800	I	4.4	35.4	21.5
V41N6RR	Vigoro	purple	tawny	brown	black	2200	I	4.1	36.2	21.0
X841029 (E)	Vigoro	purple	tawny	brown	black	2900	I	4.6	35.4	20.8

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; 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 71. 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			%	%
AV48D1NRR	AgVenture	purple	lt. tawny	brown	black	3100	I	4.8	36.9	20.3
AV49J7NRR	AgVenture	purple	lt. tawny	tan	black	3200	I	4.9	35.7	20.8
AV50D2N	AgVenture	purple	lt. tawny	brown	black	3200	I	5.0	36.3	20.0
Armor GP-470	Armor	purple	brown	tan	imp. black	2600	I	4.7	36.0	20.2
Armor GP-474	Armor	purple	gray	tawny	black	3400	I	4.7	35.2	20.7
Armor ARX D49104 (E)	Armor	—	—	—	—	4300	—	4.9	35.3	20.9
Armor ARX F47105 (E)	Armor	—	—	—	—	2800	—	4.7	35.1	21.0
Amour GP-488	Armor	—	—	—	—	2700	—	4.7	35.8	20.7
AG4703	Asgrow	purple	lt. tawny	tan	black	3200	I	4.7	35.7	20.8
AG4801	Asgrow	white	tawny	brown	black	2600	I	4.8	35.5	21.5
AG4903	Asgrow	purple	lt. tawny	tan	black	2600	I	4.9	35.7	20.8
RC4992	Croplan Genetics	white	gray	tan	buff	3200	I	4.9	35.9	20.0
DG4840RR	Delta Grow	purple	tawny	tan	black	2900	I	4.8	35.3	20.9
DG4860RR	Delta Grow	purple	tawny	tan	black	2600	I	4.8	36.3	21.0
DG4960RR	Delta Grow	purple	gray	tan	buff	2600	D	4.9	36.4	20.8
DG4970RR	Delta Grow	purple	tawny	brown	black	3100	I	4.9	36.0	20.2
DK4763	Delta King	white	tawny	tan	black	2900	I	4.7	36.4	20.4
DK4766	Delta King	purple	tawny	tan	black	2900	I	4.7	35.3	20.9
DK4866	Delta King	purple	tawny	tan	black	2800	I	4.8	35.3	20.7
DK4868	Delta King	white	lt. tawny	brown	black	3300	I	4.8	35.9	20.9
DK4967	Delta King	purple	tawny	tan	black	2800	I	4.9	36.0	21.0
DK XTJ602 (E)	Delta King	purple	tawny	—	black	2800	I	4.8	35.4	20.8
DK XTJ648 (E)	Delta King	white	tawny	—	black	2600	I	4.8	35.4	21.1
DK XTJ650 (E)	Delta King	purple	tawny	—	black	2700	I	4.9	35.2	20.8
DK XTJ6G51 (E)	Delta King	purple	tawny	—	black	2800	I	4.9	34.8	20.5
DK XTJ6L49 (E)	Delta King	purple	tawny	—	black	2800	I	4.9	35.2	20.2
DK XTJ6025 (E)	Delta King	purple	tawny	tan	black	2800	I	5.0	36.0	20.9
DP4724RR	DPL	purple	tawny	tan	black	2200	I	4.7	36.1	21.2
DP4933RR	DPL	white	gray	tan	buff	3100	I	4.9	36.1	20.1
DPX4818RR/S (E)	DPL	white	tawny	brown	black	2500	I	4.8	36.2	20.6
DPX4919RR/S (E)	DPL	white	tawny	brown	black	2300	I	4.9	36.4	20.9
DG3481NRR	Dyna Gro	purple	tawny	tan	black	2600	I	4.8	36.3	21.3
DG3484NRR	Dyna Gro	white	tawny	tan	black	2400	I	4.8	35.9	20.9
DG35Z49	Dyna Gro	purple	tawny	tan	black	3100	I	4.9	35.3	20.8
DG36M49	Dyna Gro	purple	tawny	tan	black	2900	I	4.9	35.2	21.0
DG36Y48	Dyna Gro	purple	gray	tan	black	2700	I	4.8	35.6	21.1
ESXVT-17RR (E)	Eagle Seed	purple	gray	tan	imp. black	3200	I	4.9	34.4	20.3
ESXVT-487RR (E)	Eagle Seed	purple	tawny	brown	black	2500	I	4.8	35.9	20.6
ESXVT-489RR (E)	Eagle Seed	white	tawny	brown	black	2700	I	4.8	35.0	21.2
FFR 4705RR	FFR	white	tawny	tan	black	2800	I	4.7	35.2	20.3
FFR 4922RR	FFR	white	gray	tan	buff	3600	I	4.9	36.2	20.0
FFR 4925RR	FFR	purple	tawny	tan	brown	2900	I	4.9	36.0	19.8
Garst 4999RR/N	Garst	purple	tawny	tan	black	2900	I	4.9	34.5	20.6
HBK R4724	Hornbeck	purple	lt. tawny	brown	black	2700	I	4.8	34.7	21.0
HBK R4924	Hornbeck	purple	lt. tawny	brown	black	2800	I	4.9	34.8	20.6
RT 4731N	MorSoy	white	tawny	tan	black	2800	I	4.7	36.7	20.5
RT 4802N	MorSoy	purple	tawny	tan	black	2900	D	4.8	36.0	21.1
RT 4914N (E)	MorSoy	purple	lt. tawny	brown	black	2900	I	4.9	36.2	20.0
RT S4955N (E)	MorSoy	purple	gray	tan	imp. black	2800	I	4.9	35.5	21.0
RT 4993N	MorSoy	purple	lt. tawny	tan	black	3200	D	4.9	35.5	20.6
NK S49-Q9	NK Brand	purple	gray	gray	imp. black	3200	I	4.9	34.9	20.0
94B73	Pioneer	purple	lt. tawny	tan	black	2700	I	4.7	35.8	21.4
94M80	Pioneer	white	tawny	brown	black	2700	I	4.8	36.4	21.0
Progeny 4804RR	Progeny	purple	lt. tawny	tan	black	2800	I	4.8	35.4	20.9
Progeny 4949RR	Progeny	white	tawny	brown	black	2100	I	4.9	35.5	20.9
Progeny 4805RR	Progeny	purple	lt. tawny	tan	black	2500	I	4.8	35.5	20.3
476.RC	Schillinger	purple	gray	tan	imp. black	2800	I	4.7	35.5	20.5
495.RC	Schillinger	purple	lt. tawny	brown	black	2500	I	4.9	36.2	20.1
SS RT4902N	Southern States	white	gray	tan	buff	3100	I	4.9	36.2	18.7
SS RT4981N	Southern States	purple	lt. tawny	brown	black	2500	I	4.9	34.4	21.3
SS RT5130N	Southern States	white	gray	tan	buff	2100	I	4.9	36.5	20.6
TSR47RJ41 (E)	Terral	purple	gray	brown	black	2700	I	4.7	34.9	22.1
TSR48RK33 (E)	Terral	purple	tawny	brown	black	2600	I	4.8	34.5	21.6
TSR49RL45 (E)	Terral	purple	tawny	brown	black	2800	I	4.9	36.0	20.5
TV48R14	Terral	purple	tawny	tan	black	3200	I	4.8	35.6	21.2
TV48R43	Terral	purple	tawny	tan	black	3000	I	4.8	35.5	20.7

Continued.

Table 71 (cont.). 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			%	%
TV49R12	Terral	purple	tawny	brown	black	3000	I	4.9	36.3	20.6
TVX47R203 (E)	Terral	purple	tawny	tan	black	3500	I	4.7	35.7	20.3
TVX47R213 (E)	Terral	purple	tawny	tan	black	3500	I	4.7	35.1	20.3
TVX49R50 (E)	Terral	purple	gray	brown	black	3000	I	4.9	34.3	21.5
USG 747R6	USG	purple	tawny	brown	black	3200	I	4.7	36.4	20.0
USG 7484nRR	USG	purple	lt. tawny	tan	black	3600	I	4.8	35.9	20.5
USG 7494nRR	USG	purple	lt. tawny	tan	black	3300	I	4.9	35.9	20.6
USG 7499nRR	USG	white	tawny	tan	black	2800	I	4.9	36.3	20.6
V48N5RR	Vigoro	purple	tawny	brown	black	2400	I	4.8	35.5	21.6
V49N6RR	Vigoro	purple	lt. tawny	brown	black	2800	I	4.9	36.1	20.1
V50N6RR	Vigoro	purple	lt. tawny	brown	black	2800	I	4.9	34.2	21.4
S03-166 (E)	Public	white	tawny	tan	black	2600	I	4.9	35.9	20.6
S03-390 (E)	Public	white	tawny	tan	black	2700	I	4.9	35.8	19.9

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; 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 72. 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		%	%
AVXD53 (E)	AgVenture	purple	tawny	tan	black	2800	5.3	34.9	20.5
AV54D4	AgVenture	purple	tawny	tan	imp. black	3100	5.4	34.9	19.4
AVXD56B (E)	AgVenture	purple	tawny	tan	black	2400	5.6	36.5	19.0
Armor 54-03	Armor	white	gray	tawny	buff	3300	5.4	35.6	19.5
Armor GP-513	Armor	white	gray	tawny	buff	2600	5.1	34.5	20.8
Armor GP-530	Armor	white	brown	tan	black	3000	5.3	36.2	19.0
Armor GP-555	Armor	white	brown	tan	black	2700	5.5	35.3	19.8
Armor ARX A50104 (E)	Armor	—	—	—	—	3000	5.0	35.8	19.9
AG5501	Asgrow	purple	gray	tan	imp. black	3400	5.5	36.0	19.7
AG5702	Asgrow	purple	gray	tan	imp. black	2600	5.7	36.1	20.1
RC 5332	Croplan Genetics	purple	tawny	tan	black	2800	5.3	36.4	19.1
DG5160RR	Delta Grow	purple	gray	tan	black	3000	5.1	35.1	20.8
DG5260RR	Delta Grow	white	gray	tan	buff	3100	5.2	35.1	20.5
DG5460RR	Delta Grow	white	gray	brown	buff	3400	5.4	35.4	19.5
DG5555RR	Delta Grow	white	gray	brown	black	2900	5.5	35.8	19.5
DG5560RR	Delta Grow	white	gray	tan	buff	2400	5.6	36.5	19.0
DG5630RR	Delta Grow	white	gray	tan	buff	3100	5.6	35.8	19.0
DG5650RR	Delta Grow	white	gray	tan	buff	3100	5.6	35.4	20.0
DK5066	Delta King	purple	gray	tan	black	2800	5.0	34.9	21.1
DK5161	Delta King	white	gray	brown	buff	3200	5.1	34.5	20.6
DK5366	Delta King	purple	gray	tan	brown	3500	5.3	34.6	19.3
DK5466	Delta King	white	gray	—		3200	5.4	34.5	20.7
DK5567	Delta King	white	gray	tan	black	2800	5.5	35.7	19.3
DK55T6	Delta King	white	gray	tan	buff	3000	5.5	33.7	20.1
DK XTJ603 (E)	Delta King	white	gray	—	buff	3200	5.1	34.5	20.8
DK XTJ604 (E)	Delta King	white	gray	tan	buff	2700	5.5	35.0	18.8
DK XTJ652 (E)	Delta King	white	gray	—	buff	2200	5.2	34.9	19.1
DK XTJ6501 (E)	Delta King	purple	tawny	—	black	2700	5.0	34.4	20.7
DK XTJ6G510 (E)	Delta King	purple	tawny	—	black	2800	5.1	33.9	21.3
DP5414RR	DPL	white	tawny	tan	black	2700	5.4	35.8	19.3
DP5634RR	DPL	white	tawny	tan	black	2500	5.6	36.6	19.4
DPX5115RR/S (E)	DPL	white	tawny	tan	brown	2500	5.1	36.1	19.9
DG33B52	Dyna Gro	white	gray	tan	buff	3100	5.2	35.0	20.5
DG33X55	Dyna Gro	purple	tawny	tan	black	2800	5.5	36.3	19.4
DG3535NRR	Dyna Gro	purple	gray	tan	black	3600	5.3	35.0	18.6
DG3562NRR	Dyna Gro	white	gray	tan	buff	3100	5.6	35.7	18.8
ESXVT-110RR (E)	Eagle Seed	purple	gray	tan	imp. black	2900	5.4	36.5	18.5
ESXVT-552RR (E)	Eagle Seed	white	tawny	tan	black	2800	5.5	36.0	18.9
ESXVT-520RR (E)	Eagle Seed	—	tawny	—	—	3200	5.2	35.0	20.3
FFR 5033RR	FFR	purple	gray	tan	buff	2600	5.0	35.9	20.4

Continued.

Table 72 (cont.). 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		*%*	*%*
FFR 5663RR	FFR	purple	tawny	tawny	black	3300	5.6	35.6	19.8
Garst 5212RR/N	Garst	purple	tawny	tan	black	2700	5.2	36.7	19.0
HBK R5123	Hornbeck	white	gray	tan	buff	2800	5.1	34.9	19.3
HBK R5324	Hornbeck	purple	tawny	tan	imp. black	2800	5.2	35.3	20.6
HBK R5425	Hornbeck	white	gray	tan	buff	2400	5.4	36.5	18.9
HBK R5525	Hornbeck	purple	tawny	tan	black	2600	5.5	35.6	19.2
HBK R5620	Hornbeck	white	gray	tan	buff	3500	5.6	36.2	18.7
RT 5553N	MorSoy	white	gray	tan	buff	2900	5.5	34.8	20.0
RT 5620N	MorSoy	white	gray	tan	buff	3500	5.6	35.7	19.2
NK S56-D7	NK Brand	purple	tawny	brown	black	3500	5.6	35.6	19.6
95B43	Pioneer	white	gray	tan	buff	3200	5.4	35.2	20.2
95M50	Pioneer	purple	gray	tan	imp. black	2600	5.5	35.8	19.8
Progeny 5250RR	Progeny	white	tawny	tan	black	3000	5.2	34.9	20.3
Progeny 5622RR	Progeny	purple	gray	tan	imp. black	2700	5.6	35.2	19.4
Progeny 5660RR	Progeny	white	gray	tan	buff	2900	5.6	35.2	19.0
Progeny 5205RR	Progeny	purple	lt. tawny	brown	black	2600	5.0	36.2	19.8
Progeny 5105RR	Progeny	purple	gray	tan	imp. black	2800	5.1	35.5	20.9
Progeny 5115RR	Progeny	purple	lt. tawny	brown	black	2600	5.1	34.7	20.9
Progeny 5650RR	Progeny	white	gray	tan	buff	2700	5.6	34.1	19.5
SS RT5302N	Southern States	purple	tawny	tan	black	2900	5.3	36.0	19.1
SS RT5540	Southern States	white	gray	tan	buff	3100	5.5	35.5	20.2
5142-4	Stine	purple	lt. tawny	brown	black	3200	5.1	35.4	20.7
TSR52RJ41 (E)	Terral	purple	tawny	tan	imp. black	2700	5.2	36.1	19.4
TSR53RJ42 (E)	Terral	white	gray	tan	imp. black	3300	5.3	36.2	19.6
TSR53RK34 (E)	Terral	purple	gray	tan	black	3400	5.3	36.3	18.5
TSR54RJ41 (E)	Terral	purple	gray	tan	black	3200	5.4	36.6	19.0
TV52R14	Terral	white	gray	tan	buff	3300	5.2	35.2	20.2
TV55R15	Terral	purple	gray	tan	imp. black	2700	5.5	34.9	19.6
TV56R12	Terral	white	tawny	tan	black	3900	5.6	36.0	18.7
TV56R45	Terral	white	gray	tan	black	3200	5.6	35.1	19.1
TVX51R50 (E)	Terral	purple	gray	brown	black	3000	5.1	34.3	21.4
USG 7505NRR	USG	purple	lt. tawny	brown	black	2900	5.0	36.0	19.4
USG 7515nRR	USG	purple	gray	tan	imp. black	2600	5.1	35.8	20.9
USG 7553nRS	USG	purple	gray	tan	black	3700	5.5	35.8	19.5
USG 7562nRR	USG	white	gray	tan	buff	3300	5.6	35.0	19.2
USG 7582nRR	USG	white	gray	tan	buff	2900	5.8	34.8	20.0
V55N5RR	Vigoro	white	gray	tan	buff	3000	5.5	35.1	20.3
S03-383 (E)	Public	white	tawny	tan	imp. black	2600	5.3	35.9	19.2
TN05-547RR (E)	Public	white	gray	tan	buff	3400	5.5	35.0	19.3
TN05-548RR (E)	Public	white	gray	tan	buff	3500	5.6	35.1	18.7

[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 73. 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		*%*	*%*
AV57D7NRR	AgVenture	purple	lt. tawny	tan	black	3400	5.7	35.6	19.7
Armor AXR B57104 (E)	Armor	—	—	—	—	3500	5.7	35.4	18.8
AG5702	Asgrow	purple	gray	tan	imp. black	2600	5.7	36.2	20.0
AG5903	Asgrow	white	gray	tan	buff	3600	5.9	35.1	19.6
AG5905	Asgrow	white	gray	tan	buff	3000	5.9	36.0	19.5
DG5830RR	Delta Grow	white	gray	tan	buff	2900	5.7	34.9	20.0
DG5960RR	Delta Grow	white	gray	tan	buff	3100	5.9	35.0	19.1
DG5967	Delta King	white	gray	tan	buff	3000	5.9	34.9	20.1
DP5808RR	DPL	white	tawny	brown	black	3700	5.8	35.1	19.5
DP5915RR	DPL	white	tawny	tan	black	2500	5.9	35.1	19.2
DG3583NRR	Dyna Gro	white	gray	tan	buff	3000	5.9	35.3	19.2
DG3600	Dyna Gro	purple	gray	tan	black	2600	5.9	36.2	19.3
DG36N57	Dyna Gro	purple	tawny	tan	black	2800	5.7	36.3	19.5
DG38K57	Dyna Gro	white	gray	tan	buff	3400	5.7	36.2	19.7
ESXVT-41RR (E)	Eagle Seed	purple	tawny	tan	black	2700	5.8	34.8	18.8
ESXVT-46RR (E)	Eagle Seed	purple	gray	tan	imp. black	3500	5.7	35.3	19.1
Garst 5924RR/N	Garst	white	gray	tan	buff	2500	5.9	35.2	18.9
HBK R5825	Hornbeck	purple	tawny	tan	imp. black	2700	5.8	36.3	18.6
HBK R5924	Hornbeck	white	gray	tan	buff	3000	5.9	35.5	19.8
95M80	Pioneer	purple	gray	tan	imp. black	3000	5.8	36.2	19.1
Progeny 5822RR	Progeny	purple	gray	tan	imp. black	2700	5.8	34.9	19.0
586.RC	Schillinger	purple	gray	tan	imp. black	3000	5.8	35.2	18.8
SS RT5702N	Southern States	purple	gray	tan	imp. black	3000	5.7	36.0	19.3
SS RT5951N	Southern States	purple	gray	tan	buff	2100	5.9	36.7	18.9
TV57R14	Terral	white	gray	tan	buff	3500	5.7	34.9	20.1
TV59R14	Terral	white	gray	tan	buff	3100	5.9	34.8	19.2

[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, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Reaction to Diseases

Tables in this section report data on the soybean varieties' reactions to the common disease stem canker.

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

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

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

Table 74. Reaction of Maturity Group IV Soybeans to Diseases.

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
DP4748S	DPL	R-MR (R)	1.1	DT99-17400 (E)	Public	R	1.0
Progeny 4910	Progeny	R-MR (R)	1.1	S00-9925-10 (E)	Public	—	—
DT98-7278 (E)	Public	MR-MS (R)	2.2	UA4805 (E)	Public	R	1.0

Table 75. Reaction of Maturity Group V Early Soybeans to Diseases.

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
DP5110S	DPL	R-MR	1.8	DB01-4249 (E)	Public	R	1.0
HBK C5025	Hornbeck	R	1.0	DB01-5463 (E)	Public	R	1.0
USG 5002T	USG	R-MR	1.0	Ozark	Public	R-MR (R)	1.3
USG 5601T	USG	R-MR (R)	1.3	S00-9970-09 (E)	Public	—	—
DB01-080 (E)	Public	R	1.0	Teejay	Public	R	1.0

Table 76. Reaction of Maturity Group V Late Soybeans to Diseases.

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
DK 5870	Delta King	R	1.0	Freedom	Public	R	1.0
DK 5995	Delta King	R-MR (R)	1.3	Hutcheson	Public	R-MR (R)	1.3
HBK C5894	Hornbeck	R	1.0	R97-1634 (E)	Public	R-MS (R)	2.3
Progeny 5770	Progeny	R	1.0	R98-209	Public	R-MS	1.8

Table 77. Reaction of Maturity Group III Roundup Ready Soybeans to Diseases.

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AV38T7	AgVenture	R	1.0	DG 3373	Dyna-Gro	R	1.0
Armor GPX 3930 (E)	Armor	R	1.0	DG 3392	Dyna-Gro	R	1.0
AG3802	Asgrow	R-VS (R)	1.5	DG 33A37	Dyna-Gro	R	1.0
AG3905	Asgrow	MS-VS (VS)	3.6	DG 37R39	Dyna-Gro	R	1.0
AG3906	Asgrow	R-VS	2.1	Garst 3960RR/N	Garst	R	1.0
DG3950RR	Delta Grow	R	1.0	RT 3883N	MorSoy	R	1.0
DK3964	Delta King	R	1.2	NK S39-K6	NK Brand	R-VS (VS)	1.8
DK3968	Delta King	R-S (R)	1.6	93M90	Pioneer	R-MR (R)	1.1
DK XTJ635 (E)	Delta King	MS-S	3.5	Progeny 3900RR	Progeny	R	1.0
DK XTJ638 (E)	Delta King	R	1.0	Progeny 3805RR	Progeny	R	1.0
DK3967	Delta King	R	1.0	Progeny 3905RR	Progeny	R	1.0
DP3861RR	DPL	—	—	TV39RS31	Terral	R-S (R)	1.2
DG 31J39	Dyna-Gro	R	1.0				

Table 78. Reaction of Maturity Group IV Early Roundup Ready Soybeans to Diseases.

Variety	Brand	Stem Canker	
		Rating	HNR
AV46J5NRR	AgVenture	R	1.0
AV42D1	AgVenture	R	1.0
AV44D4	AgVenture	R	1.0
Armor 42-B2	Armor	MR	2.0
Armor 44-R4	Armor	R-VS	3.3
Armor GP-422	Armor	R	1.0
Armor GP-454	Armor	—	—
AG4201	Asgrow	R-MR	1.8
AG4403	Asgrow	MR–MS	2.3
AG4404	Asgrow	MR-MS	2.3
AG4503	Asgrow	MR-MS (MR)	2.3
AG4703	Asgrow	R	1.0
RC4095	Croplan Genetics	R	1.0
RC4455	Croplan Genetics	R	1.0
RC4655	Croplan Genetics	R	1.0
DKB42-51	DEKALB	R	1.0
DKB44-51	DEKALB	VS	5.0
DKB46-51	DEKALB	R-MS	2.8
DG4150RR	Delta Grow	R	1.0
DG4250RR	Delta Grow	R	1.0
DG4460RR	Delta Grow	R	1.0
DG4660RR	Delta Grow	R	1.0
DK4566	Delta King	R	1.0
DK4461	Delta King	R	1.0
DK4661	Delta King	R	1.0
DK XTJ601 (E)	Delta King	R-MR	1.8
DK XTJ640 (E)	Delta King	R	1.0
DK4667	Delta King	—	—
DK XTJ6D42 (E)	Delta King	R	1.0
DK XTJ6D44 (E)	Delta King	R	1.0
DP4331RR	DPL	R-VS	3.8
DP4546RR	DPL	R-MS	2.3
DPX 1908RR (E)	DPL	R	1.0
DG3443NRR	Dyna Gro	MR-MS (MR)	2.1
DG3463NRR	Dyna Gro	MR	2.0
DG35B40	Dyna Gro	R	1.0
DG37A44	Dyna Gro	R	1.0
FFR 4545RR	FFR	R	1.0
Garst 4612RR/N	Garst	R-S (S)	4.2
HBK R3824	Hornbeck	R-MR	1.3
HBK R4623	Hornbeck	R-VS	4.0
RT 4480N	MorSoy	MS-S	3.0
RT 4485N (E)	MorSoy	R	1.0
RT 4665N (E)	MorSoy	R	1.0
NK S43-B1	NK Brand	R	1.0
94M30	Pioneer	R	1.0
Progeny 4401RR	Progeny	MR-MS	2.5
Progeny 4205RR	Progeny	R	1.0
Progeny 4315RR	Progeny	R	1.0
Progeny 4405RR	Progeny	R	1.0
Progeny 4615RR	Progeny	R	1.0
SS RT4651N	Southern States	R-MR	1.3
4842-4	Stine	R	1.0
TV45R14	Terral	R	1.0
TV46R15	Terral	R	1.0
TVX41R50 (E)	Terral	MR-MS	2.3
TVX43R51 (E)	Terral	R-MR	1.3
TVX46R213 (E)	Terral	R	1.0
TVX46R223 (E)	Terral	R	1.0
TVX47RT16 (E)	Terral	R	1.0
USG 7434NRR	USG	R	1.0
USG 7440nRR	USG	R-VS	4.0
USG 7455nRR	USG	R	1.0
USG 7466nRR	USG	R	1.0
V44N6RR	Vigoro	R-MR (R)	1.3
V41N6RR	Vigoro	R-MR	1.3
X841029 (E)	Vigoro	R	1.0

Table 79. Reaction to Maturity Group IV Late Roundup Ready Soybeans to Diseases.

Variety	Brand	Stem Canker	
		Rating	HNR
AV48D1NRR	AgVenture	R	1.0
AV49J7NRR	AgVenture	R	1.0
AV50D2N	AgVenture	R	1.0
Armor GP-470	Armor	R	1.0
Armor GP-474	Armor	R	1.0
Armor ARX D49104 (E)	Armor	MR-MS (MR)	1.3
Armor ARX F47105 (E)	Armor	R-MR (MR)	1.3
Amour GP-488	Armor	—	—
AG4703	Asgrow	R	1.0
AG4801	Asgrow	S-VS	4.0
AG4903	Asgrow	MR-S	3.0
RC4992	Croplan Genetics	R-MR (MR)	1.5
DG4840RR	Delta Grow	R	1.0
DG4860RR	Delta Grow	R-MR (R)	1.3
DG4960RR	Delta Grow	R	1.0
DG4970RR	Delta Grow	R	1.0
DK4763	Delta King	S-VS	4.5
DK4766	Delta King	R-MR (MR)	1.3
DK4866	Delta King	R-MR (MR)	1.3
DK4868	Delta King	S-VS	4.2
DK4967	Delta King	R-MR (R)	1.3
DK XTJ602 (E)	Delta King	R-MR (R)	1.3
DK XTJ648 (E)	Delta King	R-MR	1.3
DK XTJ650 (E)	Delta King	R	1.0
DK XTJ6G51 (E)	Delta King	R	1.0
DK XTJ6L49 (E)	Delta King	R	1.0
DK XTJ6025 (E)	Delta King	—	—
DP4724RR	DPL	R-MS	2.2
DP4933RR	DPL	R-MR (R)	1.3
DPX4818RR/S (E)	DPL	—	—
DPX4919RR/S (E)	DPL	—	—
DG3481NRR	Dyna Gro	R	1.0
DG3484NRR	Dyna Gro	R-MR	1.3
DG35Z49	Dyna Gro	R	1.0
DG36M49	Dyna Gro	R	1.0
DG36Y48	Dyna Gro	R	1.0
ESXVT-17RR (E)	Eagle Seed	R-MS (R)	2.3
ESXVT-487RR (E)	Eagle Seed	R-MR	1.8
ESXVT-489RR (E)	Eagle Seed	R-MS	1.8
FFR 4705RR	FFR	R-MR	1.3
FFR 4922RR	FFR	R	1.0
FFR 4925RR	FFR	R	1.0
Garst 4999RR/N	Garst	R	1.0
HBK R4724	Hornbeck	R-MS	1.8
HBK R4924	Hornbeck	R	1.0
RT 4731N	MorSoy	R	1.0
RT 4802N	MorSoy	R	1.0
RT 4914N (E)	MorSoy	R	1.0
RT S4955N (E)	MorSoy	R	1.0
RT 4993N	MorSoy	R	1.0
NK S49-Q9	NK Brand	R	1.0
94B73	Pioneer	R-S	2.5
94M80	Pioneer	R	1.0
Progeny 4804RR	Progeny	R-MR	1.3
Progeny 4949RR	Progeny	R	1.0
Progeny 4805RR	Progeny	R-MR	1.3
476.RC	Schillinger	R-MS (R)	1.5
495.RC	Schillinger	R	1.0
SS RT4902N	Southern States	—	—
SS RT4981N	Southern States	R	1.0
SS RT5130N	Southern States	R	1.0
TSR47RJ41 (E)	Terral	R-MR (R)	1.3
TSR48RK33 (E)	Terral	R	1.0
TSR49RL45 (E)	Terral	R	1.0
TV48R14	Terral	R	1.0
TV48R43	Terral	R	1.0
TV49R12	Terral	R	1.0
TVX47R203 (E)	Terral	R	1.0
TVX47R213 (E)	Terral	R-MR (R)	1.3
TVX49R50 (E)	Terral	R	1.0
USG 747R6	USG	R-MR (R)	1.3
USG 7484nRR	USG	R-MR (MR)	1.3
USG 7494nRR	USG	R	1.0
USG 7499nRR	USG	R	1.0
V48N5RR	Vigoro	R-MR (R)	1.3
V49N6RR	Vigoro	R	1.0
V50N6RR	Vigoro	R-MS (R)	1.5
S03-166 (E)	Public	—	—
S03-390 (E)	Public	—	—

Table 80. Reaction of Maturity Group V Early Roundup Ready Soybeans to Diseases.

Variety	Brand	Stem Canker	
		Rating	HNR
AVXD53 (E)	AgVenture	R-MR (R)	—
AV54D4	AgVenture	R	1.0
AVXD56B (E)	AgVenture	R	1.0
Armor 54-03	Armor	R	1.0
Armor GP-513	Armor	R	1.0
Armor GP-530	Armor	R	1.0
Armor GP-555	Armor	R	1.0
Armor ARX A50104 (E)	Armor	R	1.0
AG5501	Asgrow	R-MR (R)	1.7
AG5702	Asgrow	R	1.0
RC 5332	Croplan Genetics	R-MR	1.5
DG5160RR	Delta Grow	R	1.0
DG5260RR	Delta Grow	R	1.0
DG5460RR	Delta Grow	R	1.0
DG5555RR	Delta Grow	R-MR (MR)	1.3
DG5560RR	Delta Grow	R	1.0
DG5630RR	Delta Grow	R	1.0
DG5650RR	Delta Grow	R-MS	2.8
DK5066	Delta King	R	1.0
DK5161	Delta King	R	1.0
DK5366	Delta King	R-S	2.9
DK5466	Delta King	R	1.0
DK5567	Delta King	R	1.0
DK55T6	Delta King	R	1.0
DK XTJ603 (E)	Delta King	R	1.0
DK XTJ604 (E)	Delta King	R	1.0
DK XTJ652 (E)	Delta King	R	1.0
DK XTJ6501 (E)	Delta King	R	1.0
DK XTJ6G510 (E)	Delta King	R-MS (R)	1.5
DP5414RR	DPL	R	1.0
DP5634RR	DPL	R-MR (R)	1.3
DPX5115RR/S (E)	DPL	—	—
DG33B52	Dyna Gro	R	1.0
DG33X55	Dyna Gro	R	1.0
DG3535NRR	Dyna Gro	R-MS	1.8
DG3562NRR	Dyna Gro	MR-S	3.5
ESXVT-110RR (E)	Eagle Seed	R	1.0
ESXVT-552RR (E)	Eagle Seed	R	1.0
ESXVT-520RR (E)	Eagle Seed	R	1.0
FFR 5033RR	FFR	R-MR (R)	1.3
FFR 5663RR	FFR	R	1.0
Garst 5212RR/N	Garst	R-MR (R)	1.3
HBK R5123	Hornbeck	R	1.0
HBK R5324	Hornbeck	R	1.0
HBK R5425	Hornbeck	R	1.0
HBK R5525	Hornbeck	R	1.0
HBK R5620	Hornbeck	R-VS	3.0
RT 5553N	MorSoy	R	1.0
RT 5620N	MorSoy	R-VS (R)	2.3
NK S56-D7	NK Brand	R	1.0
95B43	Pioneer	R-VS	2.0
95M50	Pioneer	R-MR (MR)	1.8
Progeny 5250RR	Progeny	R	1.0
Progeny 5622RR	Progeny	R-MR	1.5
Progeny 5660RR	Progeny	R-S	3.0
Progeny 5205RR	Progeny	R	1.0
Progeny 5105RR	Progeny	R	1.0
Progeny 5115RR	Progeny	R	1.0
Progeny 5650RR	Progeny	R	1.0
SS RT5302N	Southern States	R-MR (R)	1.3
SS RT5540	Southern States	R	1.0
5142-4	Stine	R	1.0
TSR52RJ41 (E)	Terral	R	1.0
TSR53RJ42 (E)	Terral	R	1.0
TSR53RK34 (E)	Terral	R	1.0
TSR54RJ41 (E)	Terral	R	1.0
TV52R14	Terral	R	1.0
TV55R15	Terral	MR	2.0
TV56R12	Terral	R	1.0
TV56R45	Terral	R-MS (R)	1.8
TVX51R50 (E)	Terral	R	1.0
USG 7505NRR	USG	R	1.0
USG 7515nRR	USG	R	1.0
USG 7553nRS	USG	R-MR (R)	1.1
USG 7562nRR	USG	R-MR (R)	1.3
USG 7582nRR	USG	MS-S	3.1
V55N5RR	Vigoro	R-VS	3.5
S03-383 (E)	Public	R-MR	1.5
TN05-547RR (E)	Public	R	1.0
TN05-548RR (E)	Public	R	1.0

Table 81. Reaction of Maturity Group V Late Roundup Ready Soybeans to Diseases.

Variety	Brand	Stem Canker	
		Rating	HNR
AV57D7NRR	AgVenture	R	1.0
Armor AXR B57104 (E)	Armor	R	1.0
AG5702	Asgrow	R	1.0
AG5903	Asgrow	R-MR	1.6
AG5905	Asgrow	R	1.0
DG5830RR	Delta Grow	R	1.0
DG5960RR	Delta Grow	R-MS	2.5
DG5967	Delta King	R-MR (R)	2.6
DP5808RR	DPL	R	1.0
DP5915RR	DPL	MR-MS (MR)	2.1
DG3583NRR	Dyna Gro	R-VS	2.2
DG3600	Dyna Gro	R	1.0
DG36N57	Dyna Gro	R	1.0
DG38K57	Dyna Gro	R-S	2.9
ESXVT-41RR (E)	Eagle Seed	R-MR (R)	1.4
ESXVT-46RR (E)	Eagle Seed	R-MR (R)	1.2
Garst 5924RR/N	Garst	R-MR (R)	1.3
HBK R5825	Hornbeck	R	1.0
HBK R5924	Hornbeck	R	1.0
95M80	Pioneer	R	1.0
Progeny 5822RR	Progeny	R-VS	2.5
586.RC	Schillinger	R	1.0
SS RT5702N	Southern States	R-MR (R)	1.1
SS RT5951N	Southern States	R	1.0
TV57R14	Terral	R	1.0
TV59R14	Terral	R-VS	2.5

In-Field Disease Ratings

Tables in this section contain data on soybean varieties' reactions to frogeye leaf spot, sudden death syndrome, late-season Cercospora, and Green Stems.

John Hicks, retired soybean breeder, collected this data from Mississippi soybean variety trials at Olive Branch, Longwood, and Stoneville.

Frogeye Leaf Spot. Rated on a scale of 1-9 with 1 equal to no or very little disease and 9 equal to severe leaf blight occurrence.

Sudden Death Syndrome. Rated on a scale of 1-9 with 1 equal to no or very little disease and 9 equal to early death of plants with little or no yield.

Late-Season Cercospora. Rated on a 1-9 scale with 1 equal to no or very little disease and 9 equal to severe leaf discoloration and defoliation.

Green Stems. Rated on a 1-9 scale with 1 equal to no green stems at maturity and 9 equal to dry pods with green stems and green leaf canopy.

Table 82. Maturity Group IV Soybeans at Olive Branch.

Variety	Brand	Sudden Death Syndrome	Frogeye Leaf Spot
DP4748S	DPL	1.0	1.3
Progeny 4910	Progeny	1.0	3.3
DT98-7278	Public	1.0	1.0
DT99-17400	Public	3.3	1.0
S00-9925-10	Public	1.3	1.3
UA4805	Public	2.7	1.0

Table 83. Maturity Group V Early Soybeans at Olive Branch.

Variety	Brand	Sudden Death Syndrome
DP5110S	DPL	1.7
HBK C5025	Hornbeck	4.0
USG 5002T	USG	3.3
USG 5601T	USG	5.3
DB01-080	Public	4.7
DB01-4249	Public	1.0
DB01-5463	Public	1.7
Ozark	Public	1.7
S00-9970-09	Public	1.0
Teejay	Public	5.3

Table 84. Maturity Group V Late Soybeans at Olive Branch.

Variety	Brand	Sudden Death Syndrome
DK 5870RR	Delta King	1.0
DK 5995	Delta King	1.0
HBK C5894	Hornbeck	1.0
Progeny 5770	Progeny	1.3
Freedom	Public	1.0
Hutcheson	Public	2.3
R97-1634	Public	1.7
R98-209	Public	3.3

Table 85. Maturity Group III Roundup Ready Soybeans at Olive Branch.

Variety	Brand	Sudden Death Syndrome	Frogeye Leaf Spot
AV38T7	AgVenture	2.7	1.0
Armor GPX 3930	Armor	2.0	1.0
AG3801	Asgrow	2.0	2.0
AG3905	Asgrow	3.0	1.3
AG3906	Asgrow	2.0	1.7
DG3950RR	Delta Grow	5.3	1.3
DK 3964RR	Delta King	2.0	1.3
DK 3968RR	Delta King	1.0	1.0
DK XTJ635	Delta King	2.3	1.7
DK XTJ638	Delta King	2.0	1.0
DK XTJ6D38	Delta King	2.0	1.0
DP3861RR	DPL	4.7	1.0
DG 31J39	Dyna Gro	1.7	2.0
DG 3373	Dyna Gro	1.7	1.0
DG 3392	Dyna Gro	1.7	1.7
DG 33A37	Dyna Gro	3.7	1.0
DG 37R39	Dyna Gro	2.7	1.0
3960RR/N	Garst	2.0	1.7
MorSoy RT 3883N	MorSoy	4.3	1.3
NK S39-K6	NK Brand	3.3	3.7
93M90	Pioneer	2.0	1.3
Progeny 3805RR	Progeny	2.0	1.3
Progeny 3905RR	Progeny	1.3	1.7
Progeny 3900RR	Progeny	2.7	1.0
TV39RS31	Terral	2.7	1.3

Table 86. Maturity Group IV Early Roundup Ready Soybeans.				
Variety	Brand	Stoneville Frogeye Leaf Spot	Olive Branch Sudden Death Syndrome	Highest Plot Score Sudden Death Syndrome
AV46J5NRR	AgVenture	1.0	1.0	1
AV42D1	AgVenture	2.7	1.0	1
AV44D4	AgVenture	1.0	1.0	1
Armor 42-B2	Armor	5.0	1.7	3
Armor 44-R4	Armor	4.7	1.0	1
Armor ARX B45105	Armor	2.7	1.0	1
Armor GP 422	Armor	4.3	1.0	1
AG4201	Asgrow	1.3	1.7	3
AG4403	Asgrow	5.0	1.0	1
AG4404	Asgrow	3.3	1.3	2
AG4503	Asgrow	1.0	3.7	5
AG4703	Asgrow	5.0	1.0	1
RC 4095	Croplan Genetics	3.0	1.3	2
RC 4455	Croplan Genetics	1.0	1.0	1
RC 4655	Croplan Genetics	1.7	1.0	1
DKB42-51	DEKALB	4.7	1.0	1
DKB44-51	DEKALB	4.7	1.0	1
DKB46-51	DEKALB	2.7	2.7	3
DG4150RR	Delta Grow	1.3	1.3	2
DG4250RR	Delta Grow	3.0	2.0	4
DG4460RR	Delta Grow	1.0	1.3	2
DG4660RR	Delta Grow	2.7	1.3	2
DK 4461RR	Delta King	5.0	2.3	5
DK XTJ601	Delta King	4.0	1.0	1
DK XTJ640	Delta King	1.3	1.3	2
DK XTJ646	Delta King	3.3	1.0	1
DK XTJ6D42	Delta King	4.3	1.0	1
DK XTJ6D44	Delta King	1.0	1.0	1
DK4366	Delta King	5.3	1.7	3
DK4661	Delta King	1.0	1.0	1
DP4546RR	DPL	1.0	2.0	4
DPX 1908RR	DPL	1.3	2.0	4
DP4331RR	DPL	5.0	1.0	1
DG 3443NRR	Dyna-Gro	5.0	1.7	3
DG 3463NRR	Dyna-Gro	3.7	2.0	4
DG 35B40	Dyna Gro	1.3	1.0	1
DG 37A44	Dyna Gro	1.0	1.3	2
FFR 4545	FFR	3.7	1.0	1
4612RR/N	Garst	1.0	2.3	3
HBK R3824	Hornbeck	3.7	1.0	1
HBK R4623	Hornbeck	1.0	2.0	4
MorSoy RT 4350	MorSoy	1.0	1.0	1
MorSoy RT 4480	MorSoy	4.3	2.7	4
MorSoy RT 4665N	MorSoy	3.3	1.0	1
NK S43-B1	NK	1.3	1.0	1
94M30	Pioneer	1.0	1.0	1
Progeny 4205RR	Progeny	2.0	1.0	1
Progeny 4315RR	Progeny	2.7	1.7	3
Progeny 4405RR	Progeny	1.0	1.3	2
Progeny 4615RR	Progeny	4.7	1.0	1
Progeny 4401RR	Progeny	4.7	1.7	3
SS RT4651N	Southern States	1.0	4.0	6
4842-4	Stine	3.0	1.0	1
TV45R14	Terral	1.0	5.0	6
TV46R15	Terral	1.0	1.7	3
TVX41R50	Terral	5.0	1.0	1
TVX43R51	Terral	4.7	1.0	1
TVX46R213	Terral	1.0	2.3	4
TVX46R223	Terral	1.0	2.3	5
TVX47RT16	Terral	4.7	1.7	3
USG 7434nRR	USG	1.0	1.7	3
USG 7440nRR	USG	4.3	1.7	2
USG 7455nRR	USG	1.0	1.0	1
USG 7466nRR	USG	2.7	1.0	1
V44N6RR	Vigoro	1.0	1.0	1
V41N6RR	Vigoro	1.0	1.7	3
X841029	Vigoro	3.0	1.0	1

Table 87. Maturity Group IV Late Roundup Ready Soybeans.				
Variety	Brand	Stoneville Frogeye Leaf Spot	Olive Branch Sudden Death Syndrome	Highest Plot Score Sudden Death Syndrome
AV50D2NRR	AgVenture	1.0	3.3	6
AV48D1NRR	AgVenture	3.3	1.0	1
AV49J7NRR	AgVenture	2.7	1.0	1
Armor ARX D49104	Armor	1.0	2.3	5
Armor ARX F47105	Armor	5.0	2.3	5
Armor ARX F47205	Armor	1.0	1.0	1
Armor GP 470	Armor	1.3	1.0	1
Armor GP 474	Armor	2.0	1.0	1
AG4703	Asgrow	5.0	1.0	1
AG4801	Asgrow	1.0	3.3	5
AG4903	Asgrow	3.7	1.0	1
RC 4992	Croplan Genetics	4.0	1.0	1
DG 4840RR	Delta Grow	3.0	1.0	1
DG 4860RR	Delta Grow	1.3	1.0	1
DG 4960RR	Delta Grow	1.7	2.7	4
DG 4970RR	Delta Grow	1.0	4.0	5
DK 4763RR	Delta King	3.0	2.7	6
DK 4766RR	Delta King	2.0	1.0	1
DK XTJ602	Delta King	2.3	1.7	3
DK XTJ6025	Delta King	5.0	1.0	1
DK XTJ648	Delta King	5.0	2.3	4
DK XTJ650	Delta King	3.3	1.0	1
DK XTJ6G51	Delta King	3.7	1.7	3
DK XTJ6L49	Delta King	5.0	1.7	3
DK4866	Delta King	1.3	1.3	2
DK4868RR	Delta King	3.7	1.0	1
DK4967RR	Delta King	1.0	1.0	1
DP4724RR	DPL	1.7	1.0	1
DP4933RR	DPL	4.3	1.3	2
DPX 4848RR/S	DPL	4.0	1.7	3
DPX 4919RR/S	DPL	3.0	1.0	1
DG 3481NRR	Dyna-Gro	1.0	1.0	1
DG 3484nRR	Dyna-Gro	4.0	1.0	1
DG 35Z49	Dyna Gro	4.7	1.0	1
DG 36M49	Dyna-Gro	2.0	1.0	1
DG 36Y48	Dyna Gro	4.3	1.0	1
ESXVT-17RR	Eagle Seed	1.0	2.7	6
ESXVT-487RR	Eagle Seed	2.3	2.7	4
ESXVT-489RR	Eagle Seed	4.7	1.7	3
FFR 4705RR	FFR	1.0	2.0	4
FFR 4922RR	FFR	3.7	1.0	1
FFR 4925RR	FFR	1.7	1.0	1
4999RR/N	Garst	4.7	1.0	1
HBK R4724	Hornbeck	3.3	1.0	1
HBK R4924	Hornbeck	3.7	1.0	1
MorSoy RT 4731	MorSoy	2.7	4.0	4
MorSoy RT 4802	MorSoy	1.0	1.0	1
MorSoy RT 4914N	MorSoy	1.0	1.3	2
MorSoy RT 4955N	MorSoy	5.0	1.3	2
MorSoy RT 4993	MorSoy	1.7	1.0	1
NK S49-Q9	NK	1.3	3.0	5
94B73	Pioneer	1.0	3.3	6
94M80	Pioneer	1.7	1.0	1
Progeny 4805RR	Progeny	5.0	2.0	4
Progeny 4804RR	Progeny	2.3	1.0	1
Progeny 4949RR	Progeny	1.0	3.0	5
476.RC	Schillinger	1.0	4.3	5
495.RC	Schillinger	1.0	1.7	3
RT 5130N	Southern States	1.3	1.7	3
SS RT 4902	Southern States	2.7	1.0	1
SS RT4981N	Southern States	2.0	1.3	2
TSR47R541	Terral	1.0	1.0	1
TSR48RK33	Terral	1.0	1.3	2
TSR49RL45	Terral	1.0	2.0	4
TV48R14	Terral	1.0	3.0	5
TV48R43	Terral	2.3	1.0	1
TV49R12	Terral	1.7	1.0	1

Continued.

Table 87 (cont.). Maturity Group IV Late Roundup Ready Soybeans.

Variety	Brand	Stoneville Frogeye Leaf Spot	Olive Branch Sudden Death Syndrome	Highest Plot Score Sudden Death Syndrome
TVX47R203	Terral	4.3	1.0	1
TVX47R213	Terral	4.0	2.3	3
TVX49R50	Terral	2.7	1.3	2
USG 747R6	USG	3.7	1.7	3
USG 7484nRR	USG	2.3	1.0	1
USG 7494nRR	USG	2.0	1.0	1
USG 7499nRR	USG	4.0	1.3	2
V48N5RR	Vigoro	1.0	1.7	3
V49N6RR	Vigoro	1.0	2.0	4
V50N6RR	Vigoro	3.0	1.0	1
S03-166	Public	2.3	1.0	1
S03-390	Public	1.0	1.0	1

Table 88. Maturity Group V Early Roundup Ready Soybeans.

Variety	Brand	Stoneville Green Stems	Variety	Brand	Stoneville Green Stems
AVXD53	AgVenture	1.7	FFR 5663RR	FFR	1.7
AV54D4	AgVenture	1.7	5212RR/N	Garst	2.3
AVXD56B	AgVenture	6.7	HBK R5123	Hornbeck	1.7
Armor 54-03	Armor	1.0	HBK R5324	Hornbeck	1.0
Armor ARX A50104	Armor	1.0	HBK R5425	Hornbeck	5.3
Armor GP 513	Armor	1.0	HBK R5525	Hornbeck	3.3
Armor GP 530	Armor	1.7	HBK R5620	Hornbeck	5.3
Armor GP 555	Armor	1.0	MorSoy RT 5553	MorSoy	1.3
AG5501	Asgrow	3.0	MorSoy RT 5620	MorSoy	2.3
AG5702	Asgrow	2.3	NK S56-D7	NK	1.7
RC 5332	Croplan Genetics	2.0	95B43	Pioneer	2.0
DG 5260RR	Delta Grow	1.0	95M50	Pioneer	2.3
DG 5460RR	Delta Grow	1.0	Progeny 5205RR	Progeny	1.0
DG 5555RR	Delta Grow	1.3	Progeny 5105RR	Progeny	1.0
DG 5630RR	Delta Grow	5.3	Progeny 5115RR	Progeny	1.3
DG 5650RR	Delta Grow	1.7	Progeny 5650RR	Progeny	3.3
DG5160RR	Delta Grow	1.0	Progeny 5250RR	Progeny	1.3
DG5553RR	Delta Grow	2.3	Progeny 5622RR	Progeny	4.0
DK 5066RR	Delta King	1.0	Progeny 5660RR	Progeny	6.3
DK 5161RR	Delta King	1.0	S03-383	Public	3.3
DK 5366RR	Delta King	2.7	SS RT 5302N	Southern States	1.3
DK 5466RR	Delta King	1.0	RT 5540N	Southern States	1.3
DK XTJ603	Delta King	1.0	5142-4	Stine	1.0
DK XTJ604	Delta King	2.0	TSR52RJ41	Terral	1.0
DK XTJ6501	Delta King	1.0	TSR53RJ42	Terral	1.0
DK XTJ652	Delta King	4.7	TSR53RK34	Terral	1.3
DK XTJ6G510	Delta King	1.0	TSR54RJ41	Terral	1.3
DK5567RR	Delta King	2.0	TV52R14	Terral	1.0
DK55T6RR	Delta King	3.0	TV55R15	Terral	1.0
DP5414RR	DPL	1.0	TV56R12	Terral	1.3
DP5634RR	DPL	1.0	TV56R45	Terral	2.3
DPX 5115RR/S	DPL	2.0	TVX51R50	Terral	1.3
DG 33B52	Dyna-Gro	1.0	USG 7505nRR	USG	1.0
DG 33X55	Dyna Gro	1.0	USG 7515nRR	USG	1.0
DG 3535NRR	Dyna-Gro	1.7	USG 7553nRS	USG	1.0
DG 3562NRR	Dyna-Gro	2.7	USG 7562nRR	USG	4.0
ESXVT-110RR	Eagle Seed	1.0	USG 7582nRR	USG	4.0
ESXVT-520RR	Eagle Seed	1.0	V55N5RR	Vigoro	1.0
ESXVT-552RR	Eagle Seed	3.0	TN05-547RR	Public	1.3
FFR 5033RR	FFR	1.0	TN05-548RR	Public	1.3

Table 89. Maturity Group V Late Roundup Ready Soybeans.				
Variety	**Brand**	**Longwood Green Stems**	**Stoneville Green Stems**	**Stoneville Late-Season Cercospora**
AV 57D7RR	AgVenture	2.0	3.3	1.7
Armor ARX B57104	Armor	1.3	3.0	2.3
AG5702	Asgrow	3.7	2.0	2.3
AG5903	Asgrow	1.0	3.0	3.0
AG5905	Asgrow	1.0	2.0	2.3
DG 5960RR	Delta Grow	5.0	5.0	5.0
DG5554RR	Delta Grow	1.0	3.0	2.7
DK5967RR	Delta King	5.7	4.0	4.0
DP 5808RR	DPL	1.5	2.3	2.3
DP5915RR	DPL	2.3	3.3	3.3
DG 3583NRR	Dyna-Gro	5.3	4.0	4.7
DG 3600	Dyna Gro	1.0	2.7	1.7
DG 36N57	Dyna Gro	1.3	3.7	1.7
DG 38K57	Dyna-Gro	3.3	2.7	1.7
ES XVT46RR	Eagle Seed	1.0	3.7	4.7
ESXVT-41RR	Eagle Seed	1.0	4.0	5.7
5924RR/N	Garst	5.0	5.7	4.7
HBK R5825	Hornbeck	1.0	4.7	2.3
HBK R5924	Hornbeck	1.3	3.3	3.3
95M80	Pioneer	4.0	2.7	2.3
Progeny 5822RR	Progeny	5.3	4.7	6.0
586.RC	Schillinger	2.7	4.3	3.3
SS RT 5702N	Southern States	1.0	2.7	2.3
SS RT5951N	Southern States	2.0	3.0	3.3
TV59R14	Terral	4.7	4.3	4.7
DT98-11850	Public	2.7	3.0	1.7

Public Varieties Entered

Arkansas Agricultural Experiment Station

Ozark
R97-1634 (Exp.)
R98-209
UA4805 (Exp.)

University of Missouri

S00-9925-10 (Exp.)
S00-9970-09 (Exp.)
S03-166 (Exp.)
S03-383 (Exp.)
S03-390 (Exp.)

University of Tennessee

TN05-547RR (Exp.)
TN05-548RR (Exp.)

USDA Agricultural Research Service

DB01-080 (Exp.)
DB01-4249 (Exp.)
DB01-5463 (Exp.)
DT98-7278 (Exp.)
DT99-17400 (Exp.)
Freedom

Virginia Agricultural Experiment Station

Hutcheson
Teejay

Commercial Varieties Entered

AgVenture 6933 Sunflower School Rd. Clarksdale, MS 38614	AgVenture AV38T7 AgVenture AV46J5NRR AgVenture AV48D1NRR AgVenture AV49J7NRR AgVenture AV 50D2NRR AgVenture AV 57D7RR	AgVenture AV42D1 AgVenture AV44D4 AgVenture AVXD53 (Exp.) AgVenture AV54D4 AgVenture AVXD56B (Exp.)
Armor Seed Company 1 Pennsylvania Waldenburg, AR 72475	Armor 42-B2 Armor 44-R4 Armor 54-03 Armor GPX 3930 (Exp.) Armor GP 422 Armor GP 470 Armor GP 474 Armor GP 513	Armor GP 530 Armor GP 555 Armor ARX A50104 (Exp.) Armor GP-454 Armor ARX B57104 (Exp.) Armor ARX D49104 (Exp.) Armor ARX F47105 (Exp.) Armor GP-488
Cache River Valley Seed 12470 Hwy. 226 Cash, AR 72421	MorSoy RT 3883N MorSoy RT 4480N MorSoy RT 4485N (Exp.) MorSoy RT 4665N (Exp.) MorSoy RT 4731N MorSoy RT 4802N	MorSoy RT4914N (Exp.) MorSoy RT4993N MorSoy RTS 4955N (Exp.) MorSoy RT5553N MorSoy RT5620
Croplan Genetics 60020 Pinewood Dr. Amory, MS 38821	RC 4095 RC 4455 RC 4655	RC 4992 RC 5332
Delta and Pine Land Co. 103 Seaboard Ave. Piedmont, AL 36272	DP3861RR DP4331RR DP4546RR DP4724RR DP4748S DP4933RR DP5110S DP5414RR	DP5634RR DP5808RR DP5915RR DPX1908RR (Exp.) DPX4818RR/S (Exp.) DPX4919RR/S (Exp.) DPX5115RR/S (Exp.)
Delta Grow Seed P.O. Box 219 England, AR 72046	DG 3950RR DG 4150RR DG 4250RR DG 4460RR DG 4660RR DG 4840RR DG 4860RR DG 4960RR DG 4970RR	DG 5160RR DG 5260RR DG 5460RR DG 5555RR DG 5560RR DG 5630RR DG 5650RR DG 5830RR DG 5960RR
Delta King Seed Company P.O. Box 970 McCrory, AR 72101	DK3964RR DK3968RR DK4566RR (was DK XTJ542) DK4461RR DK4661RR (was DK XTJ446) DK4763RR DK4766RR DK4866RR (was DK XTJ548) DK4868RR DK4967RR DK5066RR DK5161RR DK5366RR DK5466RR DK55T6RR DK5567RR (was DK XTJ555) DK5870RR (was DK XTJ458) DK5967RR DK5995RR	DKXTJ601RR (Exp.) DKXTJ602RR (Exp.) DKXTJ603RR (Exp.) DKXTJ604RR (Exp.) DKXTJ635RR (Exp.) DKXTJ638RR (Exp.) DKXTJ640RR (Exp.) DK4667RR (was XTJ646) DKXTJ648RR (Exp.) DKXTJ650RR (Exp.) DKXTJ652RR (Exp.) DKXTJ6025RR (Exp.) DKXTJ6501RR (Exp.) DK3967RR (was XTJ6D38) DKXTJ6D42RR (Exp.) DKXTJ6D44RR (Exp.) DKXTJ6G51RR (Exp.) DKXTJ6G510RR (Exp.) DKXTJ6L49RR (Exp.)

Eagle Seed Company P.O. Box 308 Weiner, AR 72479	ES XVT-17RR (Exp.) ES XVT-41RR (Exp.) ES XVT-46RR (Exp.) ES XVT-110RR (Exp.)	ES XVT-487RR (Exp.) ES XVT-489RR (Exp.) ES XVT-552RR (Exp.) ES XVT-520RR (Exp.)
FFR Seed 969 Cloverleaf Drive Southaven, MS 38671	FFR 4545RR FFR 4705RR FFR 4922RR	FFR 4925RR FFR 5033RR FFR 5663RR
Garst Seed Company 2369 330th St. Slater, IA 50244	Garst 3960RR/N Garst 4612RR/N Garst 4999RR/N	Garst 5212RR/N Garst 5924RR/N
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK C5894 HBK C5025 HBK R3824 HBK R4623 HBK R4724 HBK R4924 HBK R5123	HBK R5324 HBK R5425 HBK R5525 HBK R5620 HBK R5825 HBK R5924
Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow AG3802 Asgrow AG3905 Asgrow AG3906 Asgrow AG4201 Asgrow AG4403 Asgrow AG4404 Asgrow AG4503 Asgrow AG4703 Asgrow AG4801	Asgrow AG4903 Asgrow AG5501 Asgrow AG5702 Asgrow AG5903 Asgrow AG5905 DEKALB DKB42-51 DEKALB DKB44-51 DEKALB DKB46-51
Pioneer, A Dupont Co. 7501 Memorial Parkway Suite 205 Huntsville, AL 35802	Pioneer variety 93M90 Pioneer variety 94B73 Pioneer variety 94M30 Pioneer variety 94M80	Pioneer variety 95B43 Pioneer variety 95M50 Pioneer variety 95M80
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 3900RR Progeny 4401RR Progeny 4804RR Progeny 4910 Progeny 4949RR Progeny 5250RR Progeny 5622RR Progeny 5660RR Progeny 5770RR Progeny 5822RR Progeny 3805RR	Progeny 3905RR Progeny 4205RR Progeny 4315RR Progeny 4405RR Progeny 4615RR Progeny 4805RR Progeny 5205RR Progeny 5105RR Progeny 5115RR Progeny 5650RR
Royster-Clark, Inc. 717 Robinson Rd. Washington C.H., OH 43160	Vigoro V44N6RR Vigoro V48N5RR Vigoro V49N6RR Vigoro V55N5RR	Vigoro V41N6RR Vigoro V50N6RR Vigoro X841029 (Exp.)
Schillinger Seed 200 Bennett's Outlet Lane Queenstown, MD 21658	476.RC 495.RC 586.RC	
Southern States Coop P.O. Box 26234 Richmond, VA 23260	SS RT4651N SS RT4902N SS RT4981N SS RT5130N	SS RT5302N SS RT5540N SS RT5702N SS RT5951N
Stine Seed Company 2225 Larado Trail Adel, IA 50003	4842-4 5142-4	

Syngenta Seed 32 Summertree Place Hattiesburg, MS 39402	NK S39-K6 NK S43-B1	NK S49-Q9 NK S56-D7
Terral Seed Inc. 604 Blount St. Lake Providence LA 71254	TSR47RJ41 (Exp.) TSR48RK33 (Exp.) TSR49RL45 (Exp.) TSR52RJ41 (Exp.)	TSR53RJ42 (Exp.) TSR53RK34 (Exp.) TSR54RJ41 (Exp.)
Terral Seed Company P.O. Box 826 Lake Providence, LA 71254	TV39RS31 (was TVX39RS301) TV45R14 (was TVX45RM21) TV48R43 (was TVX48R413) TV46R15 (was TSR46RA5) TV48R14 (was TVX48RN27) TV49R12 (was TVX49R1L2) TV52R14 (was TVX52R301) TV55R15 (was TVX55RL23) TV56R12 (was TVX56R3X1) TV56R45 (was TVX56R405) TV57R14 (was TVX57R301)	TV59R14 (was TVX59R301) TVX41R50 (Exp.) TVX46R213 (Exp.) TVX46R223 (Exp.) TVX47RT16 (Exp.) TVX47R203 (Exp.) TVX47R213 (Exp.) TVX43R51 (Exp.) TVX49R50 (Exp.) TVX51R50 (Exp.)
UniSouth Genetics 2640-C Nolensville Rd. Nashville, TN 37211	USG 5002T USG 5601T USG 7434nRR USG 7440nRR USG 7455nRR USG 7466nRR USG 747R6 USG 7484nRR	USG 7494nRR USG 7499nRR USG 7505nRR USG 7515nRR USG 7553nRS USG 7562nRR USG 7582nRR
United Agri Products-Delta 57 Germantown Court Suite 200 Cordova, TN 38018	Dyna-Gro 31J39 Dyna-Gro 3373 Dyna-Gro 3392 Dyna-Gro 33A37 Dyna-Gro 33B52 Dyna-Gro 33X55 Dyna-Gro 3443NRR Dyna-Gro 3463NRR Dyna-Gro 3481NRR Dyna-Gro 3484nRR Dyna-Gro 3535NRR	Dyna-Gro 3562NRR Dyna-Gro 3583NRR Dyna-Gro 35B40 Dyna-Gro 35Z49 Dyna-Gro 3600 Dyna-Gro 36M49 Dyna-Gro 36N57 (was DG SX04557) Dyna-Gro 36Y48 Dyna-Gro 37A44 Dyna-Gro 37R39 Dyna-Gro 38K57

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