

# MISSISSIPPI SOYBEAN



## VARIETY TRIALS, 2004



Mississippi Agricultural and Forestry Experiment Station

Mississippi State University Extension Service

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## **NOTICE TO USER**

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

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 76-78 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 76-78.

# Mississippi Soybean Variety Trials, 2004

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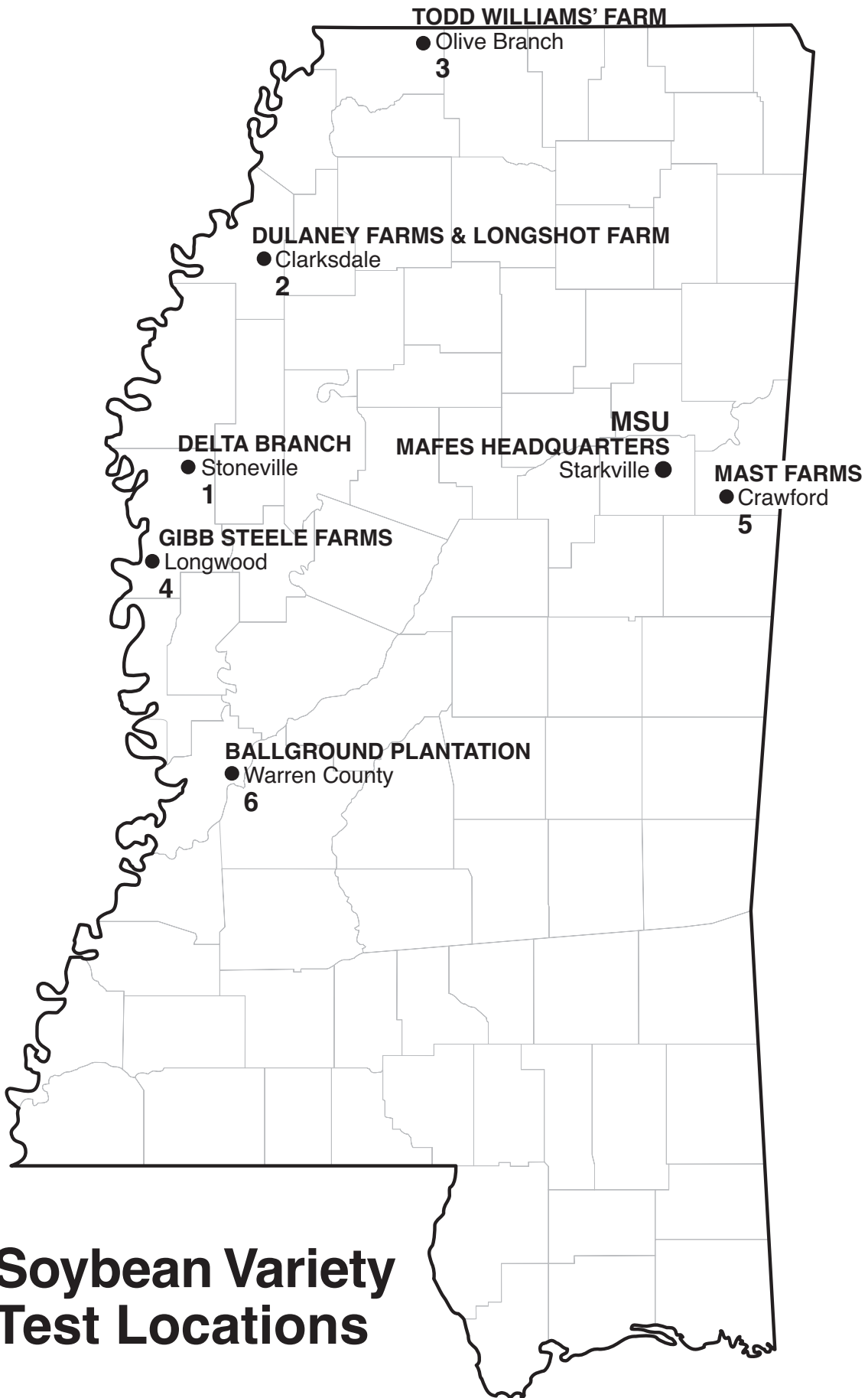
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# Soybean Variety Test Locations

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# Mississippi Soybean Variety Trials, 2004

## Introduction

### *Procedures*

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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 2004 (see map). Commercial seed companies were given the opportunity to enter varieties for testing. Seed of all private entries were supplied by the participating companies. Public varieties were selected by the Technical Advisory Committee for evaluation at each location. The experimental design at each location for each maturity group was a randomized complete block, with three replications of each entry.

**Seeding Rate.** All seeds were packaged for planting at the rate of nine seeds per foot of row. Plots were planted with a cone planter. Relative maturity groups IV & V plots had four rows, which were 30 inches wide. Relative maturity group III plots and nonirrigated plots had three rows, which were 16 inches wide at two Delta locations and at the Crawford location. All plots were planted to a length of 20 feet. Plot ends were trimmed to a uniform length 3 to 4 weeks after emergence.

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

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

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

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

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

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

## How to Select Varieties

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### In Problem or Difficult Fields

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

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

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

### In Nonproblem Fields

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

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

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

### Planting Date and Maturity Date

(1) Varieties in Maturity Groups 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

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

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

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

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

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

Within the Group IV maturity group trials, the wide variation in maturity dates is attributed to lack of rigid standards for classifying varieties within a group. It was decided to subdivide both the Group IV

and Group V trials into two maturity groups. All maturity groups were assigned an early and late-maturity check:

#### Conventional Test

Maturity Group	Early Check	Late Check
Group IV Early	–	DP4748S
Group IV Late	DP4748S	DP5110S
Group V Early	DP5110S	Hutcheson
Group V Late	Hutcheson	–

#### Roundup Ready Test

Maturity Group	Early Check	Late Check
Group IV Early	–	AG 4603
Group IV Late	AG4603	P94M90
Group V Early	P94M90	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 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP4748S	DPL	61.1	51.8	34.5	49.1	66.5	32.7	63.1	54.1	51.6
Progeny 4910	Progeny	57.2	58.7	30.9	48.9	58.0	41.7	57.0	52.2	50.6
DT97-4290 (E)	Public	62.0	40.0	23.8	42.0	62.8	42.0	60.4	55.0	48.5
DT98-7278 (E)	Public	55.8	52.0	26.0	44.6	55.2	41.3	55.8	50.8	47.7
DT98-9102 (E)	Public	40.8	47.7	17.3	35.3	41.8	42.3	56.9	47.0	41.1
DT99-17048 (E)	Public	66.2	47.6	27.8	47.2	57.6	39.8	51.3	50.0	48.4
R98-1817 (E)	Public	63.4	43.2	23.8	43.5	63.2	30.8	43.8	46.0	44.7
S00-9925-10 (E)	Public	60.5	49.9	19.8	43.4	60.1	43.4	54.9	52.8	48.1
Overall Mean		58.4	48.9	25.5	44.2	58.2	39.2	55.4	50.9	47.6
LSD (.10)		6.1	6.1	7.2	3.6	9.8	12.6	5.8	5.4	3.2
Error degrees of freedom		14	14	14	42	14	14	14	42	84
CV (%)		7.3	8.6	19.7	10.2	11.7	22.3	7.3	13.4	12.1
R <sup>2</sup> (%)		84	78	72	95	65	37	80	80	90

<sup>1</sup>(E) = Experimental.

**Table 2. Summary of Yields for Maturity Group V Early for the 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP5110S	DPL	67.0	56.8	39.5	54.4	54.2	49.1	57.0	53.4	53.9
ANAND	Public	53.1	33.1	20.2	35.5	54.0	49.5	53.1	52.2	43.9
DB00-002 (E)	Public	74.7	57.9	26.0	52.9	40.3	43.2	56.4	46.6	49.8
DB00-087 (E)	Public	69.2	61.6	31.3	54.1	31.5	55.7	52.5	46.6	50.3
DB00-138 (E)	Public	67.5	54.5	29.7	50.6	50.0	53.7	57.0	53.6	52.1
DB00-141 (E)	Public	55.8	49.3	22.4	42.5	53.6	57.3	54.7	55.2	48.9
DB00-155 (E)	Public	56.2	39.6	15.9	37.2	49.6	43.3	52.1	48.3	42.8
DB00-173 (E)	Public	54.7	46.6	23.4	41.6	50.1	53.8	62.1	55.4	48.5
Delsoy 5500	Public	53.7	48.0	26.2	42.7	49.4	41.6	54.9	48.6	45.7
OZARK	Public	64.7	44.1	31.0	46.6	55.2	53.0	57.1	55.1	50.8
S00-9979-09 (E)	Public	58.7	48.2	27.8	44.9	54.4	52.9	55.7	54.3	49.6
S00-9970-08 (E)	Public	64.5	50.1	27.7	47.4	52.0	54.9	58.7	58.6	53.0
Teejay	Public	59.5	50.9	24.4	44.9	48.3	44.0	68.7	53.7	49.3
USG 5002T	PVP	69.2	50.8	24.1	48.0	47.6	49.2	63.3	53.4	50.7
USG 5601T	PVP	60.1	40.6	25.0	41.9	53.9	49.6	53.6	52.4	47.1
Overall Mean		61.9	48.8	26.3	45.7	50.3	50.0	57.1	52.5	49.1
LSD (.10)		4.6	8.9	4.6	3.6	8.6	8.9	6.2	4.5	2.9
Error degrees of freedom		28	28	28	84	28	28	28	84	168
CV (%)		5.4	13.2	12.5	10.0	12.4	12.8	7.8	11.0	10.6
R <sup>2</sup> (%)		86	67	82	95	67	52	70	69	91

<sup>1</sup>(E) = Experimental.

**Table 3. Summary of Yields for Maturity Group V Late for the 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DK5995	Delta King	52.6	45.9	23.2	40.6	51.7	60.0	38.1	49.9	45.2
DK XTJ458 (E)	Delta King	67.5	57.5	35.1	53.3	57.5	49.1	43.8	50.2	51.8
HBK C5894	Hornbeck	77.3	63.4	30.6	57.1	53.9	39.2	39.3	44.1	50.6
PGY 5770 (E)	PGY	63.8	51.9	25.0	46.9	53.4	47.8	40.5	47.2	47.1
Bolivar	Public	40.7	45.2	23.8	36.6	43.8	52.6	39.0	45.1	40.9
DT98-11850 (E)	Public	57.5	39.1	18.3	38.3	47.9	48.2	45.0	47.0	42.7
DT99-17574 (E)	Public	54.0	48.6	28.9	43.8	39.4	56.4	46.5	47.4	45.6
Freedom	Public	76.9	57.8	30.0	54.9	37.9	52.8	38.1	42.9	48.9
Hutcheson	Public	52.8	45.0	26.1	41.3	44.2	55.1	45.8	48.4	44.8
R97-1634 (E)	Public	46.5	46.7	22.6	38.6	41.2	48.6	37.9	42.6	40.6
Overall Mean		59.0	50.1	26.4	45.2	47.1	51.0	41.4	46.5	45.8
LSD (.10)		4.8	9.1	4.2	3.6	8.1	13.4	10.4	6.1	3.5
Error degrees of freedom		18	18	18	54	18	18	18	54	108
CV (%)		5.9	12.8	11.2	10.0	12.2	18.6	17.8	16.5	13.8
R <sup>2</sup> (%)		95	70	81	95	72	37	29	57	87

<sup>1</sup>(E) = Experimental.

**Table 4. Summary of Yields for Maturity Group III Roundup Ready for the 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Crawford	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor 39-E9	Armor	59.8	17.4	47.1	41.4	48.8	43.3
Armor GP 470	Armor	45.2	45.1	46.5	45.6	38.5	43.8
AG3802	Asgrow	53.5	16.5	43.7	37.9	37.0	37.7
AG3905	Asgrow	56.1	31.4	50.4	45.9	43.8	45.4
AG3906	Asgrow	61.8	29.6	51.6	47.6	51.4	48.6
DK3964RR	Delta King	47.2	24.8	49.9	40.6	44.5	41.7
DK3968RR	Delta King	58.1	20.1	49.6	42.6	50.3	44.5
DP3861RR	DPL	64.7	23.4	46.6	44.9	41.2	44.0
DPX3950RR (E)	DPL	63.4	28.9	47.5	46.6	48.2	47.0
NK S39-K6	NK Brand	55.2	19.7	45.7	40.2	46.1	41.7
P39M90	Pioneer	59.3	19.2	46.5	41.7	46.4	42.9
Progeny 3900RR	Progeny	61.7	20.6	49.8	44.0	50.8	45.7
TV39RS31	Terral	58.9	26.1	40.1	41.7	53.7	44.7
Overall Mean		57.3	24.8	47.3	43.1	46.2	43.9
LSD (.10)		6.9	8.6	4.6	3.9	10.6	3.9
Error degrees of freedom		24	24	24	72	24	96
CV (%)		8.6	24.8	7.0	11.5	16.4	13.0
R <sup>2</sup> (%)		72	72	67	94	70	90

<sup>1</sup>(E) = Experimental.

**Table 5. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Crawford	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	bu/A
AV46J5NRR	AgVenture	61.5	45.4	44.6	30.9	50.7	46.6	61.7	31.3	55.2	49.4	47.7
AVX 45ANRR (E)	AgVenture	62.5	36.0	50.1	34.0	42.9	45.1	56.7	36.7	53.3	48.9	46.5
Armor 44-R4	Armor	57.6	31.9	44.6	29.2	45.9	41.8	56.0	41.2	53.0	50.1	44.9
Armor 44-R5	Armor	66.3	41.0	50.6	36.6	55.8	50.1	68.4	26.5	58.3	51.0	50.4
AG4102	Asgrow	59.8	29.3	33.3	21.0	45.7	37.8	55.4	39.8	40.7	45.3	40.6
AG4201	Asgrow	66.6	45.6	48.4	22.1	52.2	47.0	62.5	24.6	54.5	47.2	47.1
AG4403	Asgrow	62.8	39.5	41.9	27.6	50.1	44.4	53.7	40.0	54.9	49.5	46.3
AG4502	Asgrow	61.1	41.7	42.8	22.9	46.3	43.0	65.5	28.7	53.7	49.3	45.3
AG4603	Asgrow	62.6	38.7	46.8	27.1	44.0	43.9	51.2	32.2	54.5	46.0	44.6
RC 4233	Croplan Genetics	53.0	38.5	38.7	23.9	44.2	39.7	50.0	29.7	52.2	44.0	41.3
RC 4464	Croplan Genetics	55.4	29.1	40.3	15.5	41.6	36.4	63.2	27.8	59.9	50.3	41.6
DKB44-51	DEKALB	64.6	36.6	41.1	27.1	47.9	43.4	52.1	38.3	55.5	48.6	45.4
DKB46-51	DEKALB	61.4	41.9	46.5	26.3	54.7	46.2	56.9	42.1	59.2	52.7	48.6
DG 4340RR	Delta Grow	62.3	30.7	33.7	18.8	42.7	37.6	66.6	34.5	44.9	48.6	41.8
DG 4630RR	Delta Grow	67.3	34.2	41.6	26.7	43.9	42.7	59.9	25.3	50.4	45.2	43.7
DK4461RR	Delta King	65.8	38.7	47.3	31.0	48.4	46.2	56.2	42.7	60.1	53.0	48.8
DK XTJ446RR (E)	Delta King	52.2	57.6	51.8	43.4	47.4	50.5	54.9	29.4	57.9	47.4	49.3
DK XTJ501RR (E)	Delta King	67.8	39.2	44.4	28.5	46.8	45.3	56.3	37.4	54.6	49.5	46.9
DK XTJ540RR (E)	Delta King	54.8	30.0	37.7	15.2	39.0	35.3	55.7	37.0	52.5	48.4	40.2
DK XTJ541RR (E)	Delta King	51.8	26.2	36.8	20.2	45.7	36.1	50.8	37.4	50.5	46.2	39.9
DK XTJ543RR (E)	Delta King	56.4	33.4	36.5	19.9	42.4	37.7	59.6	29.5	55.0	48.0	41.6
DK XTJ545RR (E)	Delta King	62.2	41.7	49.1	29.7	44.5	45.4	58.0	37.6	56.1	50.6	47.4
DK XTJ546RR (E)	Delta King	63.9	30.5	43.9	30.3	44.1	42.5	53.1	33.8	56.2	47.7	44.5
DP4331RR	DPL	60.8	35.3	37.6	28.9	46.6	41.9	58.3	36.6	55.4	50.1	44.9
DP4546RR	DPL	58.1	51.0	43.1	24.0	52.1	45.6	55.8	30.4	52.0	46.1	45.8
DG 3443NRR	Dyna Gro	66.0	37.3	42.1	26.2	45.5	43.4	57.9	41.5	49.5	49.6	45.8
DG 3463NRR	Dyna Gro	65.3	37.8	34.8	22.1	46.1	41.2	50.8	38.2	53.8	47.6	43.6
Garst 4612RR/N	Garst	63.8	57.2	57.1	28.2	52.3	51.8	55.7	28.4	62.5	48.9	50.7
C444RR	Genesis	66.7	32.8	45.9	31.0	47.3	44.7	59.1	40.0	53.2	50.8	47.0
E434NRR	Genesis	55.7	31.8	33.0	18.4	41.1	36.0	61.6	34.9	50.2	48.9	40.8
HBK R4023	Hornbeck	67.0	43.3	47.8	24.3	45.3	45.6	53.0	33.8	53.2	46.7	46.0
HBK R4623	Hornbeck	62.0	47.4	40.6	26.4	45.7	44.4	55.2	39.9	55.2	50.1	46.6
NK S43-B1	NK Brand	58.6	42.9	41.6	30.1	51.1	44.9	54.9	38.1	52.1	48.4	46.2
P94M41	Pioneer	61.4	41.9	46.8	20.5	54.4	44.2	58.5	35.4	49.8	47.9	45.6
Progeny 4401RR	Progeny	66.5	38.5	43.7	26.6	49.3	44.7	58.1	37.8	55.6	50.5	46.9
PGY 4304RR (E)	PGY	55.1	30.6	36.5	17.1	43.1	36.5	67.2	33.3	47.9	49.5	41.6
PGY 4604RR (E)	PGY	67.2	31.9	42.6	26.6	51.7	44.0	60.4	30.0	47.6	46.0	44.8
435.RC	Schillinger	56.4	34.0	32.9	19.3	38.6	36.2	57.9	45.6	55.9	53.1	42.6
465.RC	Schillinger	70.5	40.9	42.4	26.4	51.2	46.3	36.9	34.5	64.1	45.2	45.9
SS RT4502	Southern States	56.4	55.1	51.5	27.4	46.9	47.6	55.0	30.0	55.2	46.7	47.3
TSP46RA5 (E)	Terral	58.2	55.2	52.4	30.9	43.3	48.0	53.3	36.8	54.3	48.1	48.0
TVX44R401 (E)	Terral	53.8	29.3	38.5	18.6	41.4	36.3	63.9	28.9	47.7	46.8	40.3
TVX45RL21 (E)	Terral	58.3	51.8	46.7	33.7	45.7	47.2	54.2	41.0	53.6	49.6	48.1
TVX45RM21 (E)	Terral	60.0	51.3	47.5	35.4	45.3	48.0	51.5	48.0	56.5	52.0	49.4
TVX45RN21 (E)	Terral	59.1	48.0	45.0	30.2	45.1	45.5	56.9	38.3	59.5	51.5	47.7
TVX46R401 (E)	Terral	65.3	31.1	44.3	28.8	48.2	43.6	58.1	35.2	56.7	50.0	46.0
USG 7434nRR	USG	64.6	46.7	55.1	32.1	57.8	51.0	55.0	38.8	58.5	50.8	50.9
USG 7440nRR	USG	67.5	38.0	43.6	28.9	46.6	44.9	56.1	42.1	50.5	49.6	46.7
USG 7443nRR	USG	56.0	30.6	34.5	15.0	40.3	35.3	61.0	23.2	58.0	47.4	39.8
S02-679 (E)	Public	61.6	47.6	55.9	28.5	44.3	47.6	53.2	36.0	49.9	46.4	47.1
Overall Mean		61.2	39.5	43.5	26.3	46.7	43.4	56.9	35.2	54.0	48.7	45.4
LSD (.10)		7.8	5.8	6.6	5.6	4.3	2.7	8.3	9.0	8.3	4.9	2.5
Error degrees of freedom		98	98	96	98	98	487	98	98	98	294	781
CV (%)		9.4	10.8	11.1	15.7	6.7	10.4	10.8	18.8	11.3	12.9	11.6
R <sup>2</sup> (%)		61	85	71	80	75	93	55	65	46	83	90

<sup>1</sup>(E) = Experimental.

**Table 6. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood bu/A	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AV49J7NRR	AgVenture	63.0	44.9	47.9	34.5	42.5	46.5	60.9	46.7	56.0	54.5	49.5
Armor 47-G7	Armor	57.1	45.3	47.0	26.4	52.1	45.6	61.2	35.1	45.8	47.4	46.2
Armor GP 474	Armor	58.7	48.7	54.5	34.0	46.7	48.5	61.8	41.8	58.8	54.2	50.6
Armor GP 499	Armor	57.7	56.4	47.7	35.2	34.9	46.4	61.1	35.6	54.4	50.3	47.9
Armor 49-T3	Armor	64.9	46.8	48.7	29.2	44.3	46.8	42.5	37.8	51.7	44.0	45.7
AG4801	Asgrow	57.7	39.1	46.9	30.4	54.5	45.7	56.1	29.7	48.2	44.7	45.3
AG4902	Asgrow	59.2	47.6	41.4	30.1	41.7	44.0	55.7	36.1	55.5	49.1	45.9
AG4903	Asgrow	56.8	53.9	57.5	35.4	44.2	49.6	53.1	39.5	63.0	51.9	50.4
RC 4842	Croplan Genetics	63.7	51.3	46.6	35.0	43.3	48.0	51.5	33.3	50.6	45.1	46.9
DG 4840RR	Delta Grow	63.5	51.0	47.4	32.8	48.4	48.6	57.0	38.8	59.9	51.9	49.8
DG 4860RR	Delta Grow	67.9	50.8	45.4	32.8	47.9	48.9	49.4	31.4	62.1	47.6	48.7
DG 4960RR	Delta Grow	64.4	42.7	35.5	30.9	49.8	44.7	61.9	25.0	56.5	47.8	45.8
DG 4970RR	Delta Grow	73.6	53.4	55.7	41.6	58.0	56.4	61.9	34.4	59.4	51.9	54.7
DK4763RR	Delta King	61.8	43.1	42.6	31.0	48.6	45.4	59.4	34.6	50.9	48.3	46.5
DK4868RR	Delta King	60.9	48.3	47.1	26.9	47.8	46.2	46.0	39.1	59.4	48.2	47.0
DK4967RR	Delta King	61.8	52.5	43.6	33.6	50.8	48.5	59.5	38.8	51.2	49.8	49.0
DK XTJ448RR (E)	Delta King	50.6	65.8	56.5	35.4	35.0	48.7	57.9	45.8	50.4	51.4	49.7
DK XTJ54J9RR (E)	Delta King	61.3	45.9	39.9	34.4	31.0	42.5	61.8	43.0	56.3	53.7	46.7
DK XTJ54X9 (E)	Delta King	57.3	35.3	30.6	26.0	37.0	37.2	45.4	39.1	45.3	43.3	39.5
DK XTJ502RR (E)	Delta King	59.6	39.9	35.3	29.5	48.3	42.5	53.4	35.3	53.0	47.2	44.3
DK XTJ503RR (E)	Delta King	64.4	54.3	44.1	33.6	47.7	48.8	57.6	34.2	53.5	48.4	48.7
DK XTJ542RR (E)	Delta King	75.0	56.5	44.6	43.7	54.8	54.9	61.2	35.0	60.6	52.3	53.9
DK XTJ548RR (E)	Delta King	63.2	46.6	46.5	30.4	40.3	45.4	49.0	46.2	54.3	49.8	47.1
DK XTJ549RR (E)	Delta King	60.3	46.7	35.2	30.6	37.6	42.1	57.4	39.5	41.8	46.2	43.6
DP4724RR	DPL	57.7	49.6	52.9	34.8	43.8	47.8	61.7	34.4	57.6	51.3	49.1
DP4933RR	DPL	56.2	56.2	55.0	33.3	49.1	49.9	54.8	43.5	45.3	47.9	49.2
DPX4891RR (E)	DPL	67.7	55.7	49.6	35.2	50.0	51.6	58.1	44.3	55.9	52.8	52.1
SG498RR	DPL	55.1	53.2	48.8	31.7	33.3	44.4	51.1	37.5	37.5	42.1	43.5
DG 3481NRR	Dyna Gro	64.6	51.2	48.3	37.3	49.5	50.2	52.9	36.9	55.0	48.3	49.5
DG 36M49	Dyna Gro	62.3	48.5	48.9	31.4	45.8	47.4	62.7	47.5	61.2	57.1	51.0
ESXVT-17RR (E)	Eagle	32.8	63.2	60.1	34.9	22.7	42.8	51.1	24.9	45.2	40.4	41.9
FFR 4922RR	FFR	62.4	60.7	47.8	31.7	44.5	49.4	53.1	45.2	47.4	48.5	49.1
Garst 4888RR	Garst	55.0	50.0	46.2	33.9	38.6	44.7	55.0	38.2	49.1	47.4	45.8
Garst 5012RR/N	Garst	65.6	46.3	37.5	31.9	49.6	46.2	52.7	24.5	56.8	44.6	45.6
Garst XR48N20 (E)	Garst	65.5	53.5	48.7	36.5	46.0	50.0	62.9	37.0	57.7	52.5	51.0
Garst 4999RR/N	Garst	61.7	55.1	46.8	42.5	40.4	49.3	59.4	48.2	55.5	54.3	51.2
D484RR	Genesis	59.4	53.6	44.8	33.6	45.2	49.9	59.0	38.4	62.5	53.3	51.2
D491RR	Genesis	65.9	50.7	58.4	33.5	46.5	48.8	59.7	35.9	43.2	46.3	47.9
E484NRR	Genesis	72.3	49.4	45.5	37.8	47.2	47.8	58.2	42.4	57.7	52.8	49.7
HBK R4724	Hornbeck	68.1	44.4	40.6	33.2	48.0	46.9	65.8	33.8	58.6	52.7	49.1
HBK R4820	Hornbeck	62.7	46.1	50.3	26.4	47.1	46.5	49.8	43.5	57.0	50.1	47.9
HBK R4924	Hornbeck	62.3	51.6	51.2	40.6	41.8	49.5	51.7	45.2	52.3	49.7	49.6
HBK R4945CX	Hornbeck	55.4	31.5	34.1	24.3	34.4	36.0	43.6	35.4	48.8	42.6	38.4
RT 4802	Morsoy	64.4	56.8	52.2	30.7	45.8	50.0	57.3	36.3	61.2	51.6	50.6
RT 4809	Morsoy	57.5	45.8	50.5	23.3	45.1	44.4	46.4	41.0	42.8	43.4	44.1
RT 4993	Morsoy	60.4	54.3	44.9	29.6	46.1	47.0	57.2	40.6	53.0	50.2	48.3
NK S49-Q9	NK Brand	52.5	47.4	40.6	31.6	41.6	44.8	60.6	45.2	55.3	53.7	48.1
P94B73	Pioneer	78.1	52.8	47.7	35.5	57.6	54.3	59.4	30.1	49.9	46.5	51.4
P94M90	Pioneer	64.6	43.3	37.8	32.7	41.6	44.0	64.1	36.4	57.2	52.6	47.2
Progeny 4703RR	Progeny	38.3	37.2	40.0	34.9	27.8	35.7	37.2	41.1	55.7	44.7	39.0
Progeny 4858RR	Progeny	61.1	41.0	36.3	25.5	38.8	40.5	61.1	34.7	44.1	46.6	42.8
Progeny 4932RR	Progeny	57.0	59.6	50.7	34.4	41.4	48.6	56.2	44.2	52.0	50.8	49.5
Progeny 4860RR	Progeny	66.3	49.5	33.5	33.6	46.4	45.8	58.1	26.4	55.3	46.6	46.1
Progeny 4949RR	Progeny	67.1	56.1	47.7	41.2	45.9	51.6	54.6	30.5	58.8	47.9	51.0
PGY 4804RR (E)	PGY	61.6	48.7	47.4	32.5	45.1	47.0	50.8	42.1	55.1	49.3	47.9
495.RC	Schillinger	78.6	51.8	51.9	39.4	59.8	56.3	58.7	36.8	65.4	53.6	55.3
SS RT4902	Southern States	55.9	61.3	53.2	32.1	40.8	48.7	42.4	39.1	52.0	44.5	47.1
SS RT4980	Southern States	58.3	43.8	46.5	31.9	36.8	43.5	53.0	35.4	51.9	46.8	44.7
SS RT517N	Southern States	55.5	44.9	39.0	25.2	44.6	41.8	49.9	22.4	49.0	40.4	41.3
SS RT5001N	Southern States	59.2	38.4	31.7	29.1	40.9	40.0	50.4	32.0	41.0	41.1	40.3
SS RT5130N	Southern States	68.1	41.4	33.1	28.3	50.7	44.3	52.7	32.5	57.6	47.6	45.5
TSR47RT6 (E)	Terral	49.7	47.5	44.5	31.0	29.9	40.5	56.1	33.3	51.9	47.1	43.0
TV49R12	Terral	54.8	60.0	47.3	35.6	37.1	46.9	51.3	36.3	53.4	47.0	47.0
TVX48R413 (E)	Terral	61.7	53.4	52.8	39.6	46.7	50.8	68.8	39.4	59.0	55.7	52.7
TVX48RL27 (E)	Terral	65.8	57.9	44.0	35.0	45.1	49.5	57.8	40.5	58.2	52.2	50.5
TVX48RM27 (E)	Terral	66.0	57.7	47.2	31.2	43.5	49.1	58.9	37.2	57.9	51.4	50.0

Continued.

**Table 6 (cont.). Summary of Yields for Maturity Group IV Late Roundup Ready for the 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
TVX48RN27 (E)	Terral	61.5	63.2	45.9	36.9	41.6	49.8	60.6	39.2	57.2	52.3	50.8
TVX49R302 (E)	Terral	58.2	46.3	38.8	36.5	35.6	43.1	58.0	37.3	51.3	48.9	45.2
USG 7482nRR	USG	64.1	51.3	50.0	36.3	43.5	49.0	56.5	33.9	61.4	50.6	49.6
USG 7484nRR	USG	58.7	52.0	45.4	33.6	44.5	46.9	64.1	47.3	43.6	51.7	48.7
USG 7494nRR	USG	64.2	48.1	50.8	33.2	44.8	48.2	60.3	40.7	56.3	52.4	49.8
USG 7499nRR	USG	52.8	41.4	36.5	29.2	42.9	40.5	62.4	34.9	48.2	48.5	43.5
V48N5RR	Vigoro	56.3	53.0	39.0	37.5	45.9	46.3	68.3	36.2	56.4	53.6	49.1
S02-677 (E)	Public	66.4	49.8	43.7	34.3	39.0	46.6	56.1	35.8	50.1	47.3	46.9
S02-683 (E)	Public	57.7	53.9	48.2	33.4	36.5	45.9	55.4	36.1	47.3	46.2	46.0
Overall Mean		61.2	50.0	45.5	33.1	43.8	46.7	53.1	37.4	53.5	49.0	47.6
LSD (.10)		7.6	5.5	7.1	4.5	4.9	2.6	8.4	7.2	10.3	5.0	2.5
Error degrees of freedom		148	148	147	148	148	739	148	148	148	444	1183
CV (%)		9.2	8.1	11.6	10.0	7.2	9.4	11.1	14.1	14.3	13.2	11.1
R <sup>2</sup> (%)		73	82	70	73	87	91	61	68	57	80	87

<sup>1</sup>(E) = Experimental.

**Table 7. Summary of Yields for Maturity Group V Early Roundup Ready for the 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AV50J6NRR	AgVenture	39.1	34.9	35.9	36.7	50.2	34.3	40.7	41.8	39.1
AV52T2NRR	AgVenture	52.2	51.9	30.1	44.8	44.5	35.3	36.9	39.1	42.1
AV 50D2NRR	AgVenture	50.5	41.8	41.5	44.6	50.6	38.4	45.7	44.8	44.7
Armor GP 513	Armor	66.9	55.1	41.9	54.6	48.2	44.6	43.1	45.6	50.4
Armor 56-J6	Armor	50.7	50.3	32.3	44.5	45.0	39.2	42.8	42.3	43.4
Armor GP 530	Armor	60.6	55.4	33.6	49.9	46.6	47.9	39.9	45.4	47.8
Armor 54-03	Armor	45.9	44.5	28.9	39.8	46.6	50.0	39.7	46.2	42.8
AG5402	Asgrow	56.8	50.2	37.4	48.1	41.1	42.8	46.7	43.1	45.8
AG5501	Asgrow	49.6	52.4	37.0	46.4	51.5	42.4	39.1	45.0	45.7
AG5605	Asgrow	49.0	46.7	29.6	41.8	50.4	46.2	44.5	47.4	44.4
RC 5003	Croplan Genetics	40.8	35.0	34.4	36.7	51.0	31.4	41.6	41.3	38.9
RC 5555	Croplan Genetics	47.1	43.8	35.0	42.0	52.8	43.2	54.0	49.5	45.5
DKB51-51	DEKALB	53.1	49.5	42.1	48.3	38.5	41.2	52.8	43.1	45.8
DKB54-52	DEKALB	45.6	48.2	33.8	42.5	53.1	44.0	51.0	49.1	45.6
DG 5260RR	Delta Grow	47.5	49.6	30.5	42.6	57.6	43.1	43.4	48.6	45.4
DG 5460RR	Delta Grow	49.9	48.0	28.3	42.0	56.3	40.1	40.3	46.2	44.0
DG 5555RR	Delta Grow	48.5	61.2	32.5	47.4	34.9	36.2	47.0	38.4	43.2
DG 5610RR	Delta Grow	60.3	58.9	30.6	50.0	50.9	44.2	38.6	45.3	47.8
DG 5630RR	Delta Grow	48.7	51.3	33.7	44.6	43.7	43.6	33.1	41.0	42.9
DG 5650RR	Delta Grow	49.1	47.2	37.2	44.5	60.1	42.6	44.7	49.7	46.9
DK5161RR	Delta King	63.8	61.8	43.9	56.5	50.9	38.9	43.8	44.6	50.9
DK5366RR	Delta King	54.6	53.7	37.6	48.6	44.2	49.7	38.4	44.8	46.8
DK5668RR	Delta King	61.1	53.8	39.5	51.5	44.5	52.0	46.6	47.8	49.8
DK 55T6RR (E)	Delta King	52.4	44.5	35.0	44.0	50.0	36.4	30.7	40.1	42.1
DK XTJ505RR (E)	Delta King	51.5	52.3	37.3	47.0	43.3	47.5	31.7	42.0	44.6
DK XTJ554RR (E)	Delta King	57.8	49.2	35.4	47.4	59.4	32.8	34.7	43.3	45.5
DK XTJ555RR (E)	Delta King	61.8	58.7	35.7	52.1	55.6	38.3	39.4	45.1	48.8
DP5414RR	DPL	36.5	50.7	39.2	42.1	49.6	40.1	48.2	45.7	43.8
DP5634RR	DPL	57.0	64.5	37.8	53.1	46.2	41.1	44.8	43.9	48.8
DG 33B52	Dyna Gro	64.6	58.5	44.9	56.0	52.5	44.8	53.3	49.8	53.1
DG 3535NRR	Dyna Gro	46.3	43.9	37.6	42.6	43.0	44.6	35.1	41.6	42.2
DG 3562NRR	Dyna Gro	58.1	49.9	39.1	49.0	51.5	41.9	39.8	45.0	47.1
ESXVT-19RR (E)	Eagle	55.3	50.0	30.9	45.4	39.6	42.8	38.5	40.5	43.1
FFR 5033RR	FFR	44.7	35.5	37.6	39.2	53.6	42.6	44.7	47.3	43.0
FFR 5225RR	FFR	54.3	49.5	29.4	44.4	39.3	40.3	33.0	38.1	41.4
FFR 5663RR	FFR	68.4	67.3	37.4	57.7	52.6	49.1	46.3	49.7	53.9
Garst 5212RR/N	Garst	54.7	50.0	32.8	45.8	49.4	35.2	37.6	41.1	43.6
Garst 5225RR	Garst	66.1	58.7	46.0	56.9	55.4	43.5	46.6	48.7	53.1
Garst 5656RR/STS/N	Garst	49.3	48.3	27.1	41.6	51.8	46.6	43.1	47.7	44.4
D524RR	Genesis	59.0	45.2	33.9	46.0	46.9	48.9	43.7	46.9	46.4

Continued.

**Table 7 (cont.). Summary of Yields for Maturity Group V Early Roundup Ready for the 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
HBK R5123	Hornbeck	bu/A 50.6	bu/A 57.4	bu/A 36.8	bu/A 48.3	bu/A 33.3	bu/A 42.7	bu/A 31.8	bu/A 36.4	bu/A 42.7
HBK R5324	Hornbeck	43.2	52.2	33.8	43.1	45.3	34.3	46.9	41.6	42.4
HBK R5422	Hornbeck	57.0	49.5	32.1	46.2	55.1	39.8	37.1	44.9	45.6
HBK R5524	Hornbeck	47.8	60.4	34.3	47.5	36.4	40.6	47.6	40.9	44.4
HBK R5620	Hornbeck	50.8	49.4	35.1	45.1	45.3	46.6	33.7	42.9	44.1
HBK R5624	Hornbeck	61.4	59.1	38.9	53.2	61.2	37.6	57.1	51.3	52.3
Morsoy RT 5204	Morsoy	49.4	50.0	34.1	44.5	47.9	51.4	39.6	47.1	45.7
Morsoy RT 5252	Morsoy	59.3	52.5	32.5	48.1	44.4	38.8	43.2	42.0	45.2
Morsoy RT 5553	Morsoy	43.8	46.8	31.5	40.7	55.0	46.9	49.7	50.6	45.4
Morsoy RT 5620	Morsoy	59.2	52.9	37.6	49.9	47.2	41.2	43.4	44.0	47.1
NK S50-N3	NK Brand	36.5	39.4	23.8	33.2	38.9	44.3	34.7	39.9	36.3
NK S56-D7	NK Brand	57.6	59.5	36.1	51.1	48.5	34.3	50.2	43.6	47.6
P95B43	Pioneer	54.1	53.2	34.9	47.4	48.1	42.6	43.4	44.8	46.2
Progeny 5250RR	Progeny	60.1	55.0	35.1	50.0	45.9	41.6	51.7	45.7	48.0
Progeny 5503RR	Progeny	47.1	47.5	28.7	41.1	54.4	47.8	31.6	46.2	43.5
Progeny 5660RR	Progeny	53.4	54.3	34.9	47.6	47.5	36.4	31.3	39.3	43.6
PGY 5404RR (E)	PGY	49.4	49.9	30.3	43.2	47.4	40.9	39.1	42.9	43.1
PGY 5622RR (E)	PGY	54.5	47.8	37.1	46.5	50.9	32.3	32.7	39.4	43.1
545.RCP	Schillinger	40.5	32.2	24.7	32.5	48.3	28.3	28.8	35.9	34.1
SS RT557N	Southern States	43.7	43.2	31.5	39.5	49.7	43.1	45.7	46.2	42.6
SS RT5302N	Southern States	50.1	51.0	32.3	44.5	44.8	32.1	36.6	38.0	41.4
SS RT5540N	Southern States	43.7	47.8	34.4	42.0	58.7	42.4	51.7	50.9	46.1
SS RT5602N	Southern States	53.1	45.0	27.6	41.9	47.0	31.0	38.0	38.8	40.4
TV56R11	Terral	49.8	49.6	31.9	43.8	47.6	46.3	32.9	43.5	43.6
TV56R12	Terral	50.9	55.6	30.3	45.6	44.9	60.0	40.4	49.5	47.4
TVX52R301 (E)	Terral	49.2	48.0	36.5	44.6	50.4	43.9	50.8	48.0	46.2
TVX55R403 (E)	Terral	49.1	46.3	29.3	41.6	55.0	47.7	39.5	48.4	44.8
TVX55RL23 (E)	Terral	47.5	59.2	32.8	46.5	36.1	36.5	49.6	39.7	43.3
TVX55RM23 (E)	Terral	44.6	59.8	32.4	45.6	28.3	37.5	40.1	34.7	40.5
TVX55RN23 (E)	Terral	47.4	57.6	34.1	46.4	38.3	36.0	40.9	38.1	42.5
TVX56R405 (E)	Terral	60.5	57.9	36.4	51.6	50.6	38.2	35.9	42.3	47.2
USG 510nRR	USG	40.1	40.5	30.8	37.1	45.4	38.5	53.4	44.8	40.7
USG 7514nRR	USG	49.9	49.6	35.5	45.0	41.7	45.6	45.7	44.2	44.6
USG 7523nRR	USG	49.5	42.2	30.7	40.8	46.0	33.3	35.6	38.6	39.8
USG 7524nRR	USG	56.7	55.9	43.3	51.9	37.8	45.4	33.7	39.6	46.1
USG 7553nRS	USG	50.2	50.6	30.8	43.9	49.4	45.5	47.8	47.5	45.6
V55N5RR	Vigoro	40.9	46.5	34.2	40.5	49.6	44.8	42.8	46.1	43.1
V562NRR	Vigoro	52.1	49.0	36.8	46.0	49.5	48.1	34.5	45.2	45.6
S02-611 (E)	Public	50.2	49.5	33.9	44.5	47.9	51.0	43.5	48.0	46.2
Overall Mean		51.7	50.6	34.5	45.6	47.8	41.8	51.8	44.0	44.8
LSD (.10)		5.3	6.7	3.1	3.0	8.2	7.4	8.4	4.6	2.7
Error degrees of freedom		156	156	156	468	156	156	78	390	858
CV (%)		7.6	9.8	6.7	8.5	12.7	13.0	12.1	12.8	10.6
R <sup>2</sup> (%)		83	74	84	91	63	65	78	71	84

<sup>1</sup>(E) = Experimental.

**Table 8. Summary of Yields for Maturity Group V Late Roundup Ready for the 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville	Delta	Olive	Crawford	Warren	Hill	Overall
		bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A	bu/A
		lrr.			lrr.	Branch		County	avg.	avg.
AV 57D7RR	AgVenture	64.5	64.8	27.4	52.2	48.1	54.9	32.5	46.8	49.6
Armor 58-V8	Armor	45.1	51.5	33.9	43.5	54.9	42.8	26.5	43.3	43.4
AG5701	Asgrow	40.6	51.3	33.6	41.8	51.2	53.3	12.1	42.2	42.0
AG5903	Asgrow	56.7	56.5	28.1	47.1	55.3	46.5	16.5	42.3	44.8
AG5905	Asgrow	46.7	52.8	27.7	42.4	37.4	54.1	22.4	39.9	41.2
RC 5972	Croplan Genetics	57.2	46.9	32.0	45.3	55.9	40.5	24.9	42.3	43.9
DKB57-51	DEKALB	52.9	48.9	37.4	46.4	50.4	49.0	32.4	45.4	46.0
DKB58-51	DEKALB	60.3	58.8	32.9	50.7	52.4	47.0	24.9	43.5	47.3
DG 5960RR	Delta Grow	55.4	53.7	31.4	46.9	57.6	43.4	25.7	44.3	45.7
DK5767RR	Delta King	47.2	47.0	34.1	42.8	48.6	47.3	21.9	41.4	42.1
DK5967RR	Delta King	56.8	51.1	33.5	47.1	53.1	48.1	23.7	43.9	45.6
DK XTJ506RR (E)	Delta King	55.7	46.6	35.1	45.8	51.1	46.2	24.6	42.6	44.3
DP5806RR	DPL	50.8	50.6	26.1	42.5	44.3	58.5	17.5	42.9	42.7
DP5915RR	DPL	55.6	57.4	26.3	46.4	47.0	43.8	23.9	40.0	43.4
DP 5808RR	DPL	70.7	63.1	41.3	58.4	48.6	50.9	29.6	44.7	52.0
DG 3583NRR	Dyna Gro	45.9	49.8	33.7	43.2	57.6	41.4	23.3	43.0	43.1
DG 38K57	Dyna Gro	52.9	39.8	34.4	42.4	47.7	49.2	23.4	42.2	42.3
DG SX04159 (E)	Dyna Gro	39.3	29.8	15.3	28.1	22.8	36.1	1.1	22.4	25.4
DG SX04557 (E)	Dyna Gro	68.6	66.2	38.0	57.6	52.9	46.3	38.8	46.9	52.6
ESXVT-34RR (E)	Eagle	58.7	50.5	22.4	43.9	50.3	47.1	6.9	38.3	41.3
ESXVT-41RR (E)	Eagle	68.8	57.7	30.9	52.5	59.9	43.4	15.1	42.5	47.8
ESXVT-46RR (E)	Eagle	62.6	59.5	34.7	52.3	47.4	47.5	17.9	40.1	46.5
Garst 5812RR/N	Garst	42.0	58.6	30.5	43.7	39.5	39.5	24.4	35.7	39.9
Garst 5924RR/N	Garst	55.1	56.3	33.7	48.4	52.7	40.1	34.8	43.5	46.1
Garst 6112RR/N	Garst	64.7	57.4	37.4	53.2	58.1	48.1	17.9	44.3	49.0
HBK R5924	Hornbeck	74.1	56.7	31.3	54.0	59.2	51.2	24.3	47.5	50.9
HBK XR561-04 (E)	Hornbeck	45.8	52.3	36.0	44.7	46.9	51.2	27.4	43.6	44.2
Morsoy RT 5773	Morsoy	51.2	50.7	32.6	44.8	55.7	46.3	33.8	46.7	45.7
Morsoy RT 5903	Morsoy	53.2	52.0	33.7	46.3	49.0	41.2	32.2	41.9	44.2
P95B96	Pioneer	32.5	55.3	25.6	37.8	36.2	46.0	20.4	35.9	36.9
P95M80	Pioneer	58.0	56.4	32.4	48.9	49.6	32.3	25.6	37.1	43.4
Progeny 5703RR	Progeny	54.3	48.1	35.0	45.8	55.6	47.7	25.2	45.0	45.4
Progeny 5822RR	Progeny	57.6	54.9	34.1	48.9	49.4	40.0	20.1	38.6	44.0
PGY 5714RR (E)	PGY	45.7	58.7	26.1	43.5	44.8	37.8	14.1	34.5	39.3
SS RT5702N	Southern States	59.3	58.6	35.8	51.2	43.3	50.7	26.8	42.0	46.9
SS RT5730N	Southern States	50.1	38.4	21.7	36.7	49.3	40.6	10.2	36.2	36.5
SS RT5999N	Southern States	51.1	54.1	24.8	43.4	44.4	41.8	26.3	38.9	41.3
TRS57RK8 (E)	Terral	70.1	64.2	39.9	58.1	48.1	38.9	41.0	42.9	50.9
TRS59RQ3 (E)	Terral	54.4	69.9	31.6	52.0	56.0	41.2	44.5	47.6	50.0
TV57R14	Terral	50.2	48.0	37.5	45.2	45.0	45.4	39.5	43.8	44.5
TV58R12	Terral	52.8	51.6	28.5	44.3	38.3	42.6	28.1	37.4	41.0
TV59R14	Terral	50.9	49.9	35.4	45.4	49.4	49.4	26.6	43.7	44.6
TV62R11	Terral	66.2	54.9	33.6	51.6	55.1	56.5	18.8	46.6	49.2
TVX57R408 (E)	Terral	53.9	56.1	26.4	45.5	47.0	49.1	20.2	41.1	43.4
USG 570nRR	USG	54.4	53.2	30.6	46.1	43.3	57.5	16.8	42.0	44.2
USG 7582nRR	USG	55.5	49.3	34.2	46.3	49.9	44.1	18.3	39.8	43.3
Overall Mean		54.7	53.5	31.7	46.6	49.1	46.0	24.0	41.7	44.3
LSD (.10)		10.8	5.0	7.3	4.6	8.4	9.9	9.6	5.4	3.5
Error degrees of freedom		90	90	90	270	90	90	45	225	495
CV (%)		14.5	6.9	16.9	12.7	12.5	15.9	23.7	15.8	14.0
R <sup>2</sup> (%)		66	86	58	88	67	51	84	86	87

<sup>1</sup>(E) = Experimental.

**Table 9. Summary of 2-Year Yields for Maturity Group IV for the 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP4748S	DPL	59.2	55.6	47.7	53.9	63.8	29.8	52.4	48.7	51.2
Progeny 4910	Progeny	54.4	63.8	49.4	55.9	56.1	33.9	61.1	50.4	53.1
DT97-4290 (E)	Public	52.3	46.4	38.6	45.4	61.8	31.5	59.2	50.8	48.2
DT98-7278 (E)	Public	55.8	61.4	39.5	52.0	58.8	31.5	58.6	49.6	50.8
DT98-9102 (E)	Public	44.6	56.6	36.6	46.0	49.8	30.7	62.1	47.5	46.8
R98-1817 (E)	Public	63.2	58.1	43.3	54.4	61.8	31.3	56.3	49.8	52.0
Overall Mean		54.9	57.0	42.5	51.3	58.7	31.5	58.3	49.5	50.3
LSD (.10)		6.3	4.4	4.1	2.7	5.2	8.2	4.7	3.5	2.2
Error degrees of freedom		15	20	20	55	20	20	20	60	115
CV (%)		10.4	7.7	9.7	9.1	9.0	26.1	8.1	12.7	11.1
R <sup>2</sup> (%)		81	91	97	95	73	67	85	91	93

<sup>1</sup>(E) = Experimental.

**Table 10. Summary of 2-Year Yields for Maturity Group V Early for the 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP5110S	DPL	69.6	61.8	55.0	61.7	57.0	37.6	58.2	50.9	56.1
ANAND	Public	49.8	49.8	41.5	46.9	62.2	39.8	55.9	52.6	49.8
Delsoy 5500	Public	60.3	58.9	45.2	54.5	51.6	38.4	63.0	51.0	52.7
OZARK	Public	64.9	58.8	46.6	56.3	58.4	44.5	68.4	57.1	56.7
Teejay	Public	67.2	60.1	45.5	57.0	53.8	38.9	72.2	55.0	56.0
USG 5002T	PVP	70.1	63.2	43.4	58.3	57.5	35.1	64.2	52.2	55.2
USG 5601T	PVP	60.5	54.8	42.8	52.2	57.6	38.8	62.8	53.1	52.6
Overall Mean		63.2	58.2	45.7	55.3	56.9	39.0	63.5	53.1	54.2
LSD (.10)		5.4	5.2	2.6	2.5	5.1	6.0	5.8	3.2	2.0
Error degrees of freedom		18	24	24	66	24	24	24	72	138
CV (%)		7.8	9.0	5.7	7.9	9.2	15.6	9.3	10.8	9.5
R <sup>2</sup> (%)		86	92	99	96	74	83	79	91	94

<sup>1</sup>All are released varieties.

**Table 11. Summary of 2-Year Yields for Maturity Group V Late for the 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DK5995	Delta King	60.1	57.9	44.6	53.9	54.0	52.7	48.6	51.8	52.8
Bolivar	Public	44.9	52.2	39.0	45.4	43.6	46.8	51.6	47.3	46.4
DT98-11850 (E)	Public	59.2	53.9	37.0	49.5	48.9	42.7	54.3	48.6	49.0
DT99-17574 (E)	Public	51.0	56.0	40.2	49.0	41.8	38.6	48.9	43.1	45.9
Freedom	Public	67.4	58.2	46.2	56.7	43.2	45.5	50.2	46.3	51.3
Hutcheson	Public	59.8	57.2	44.9	53.6	41.8	48.0	56.9	48.9	51.2
Overall Mean		57.1	55.9	42.0	51.3	45.5	45.7	51.7	47.7	49.4
LSD (.10)		8.0	5.4	2.7	3.0	4.2	9.0	8.4	4.2	2.6
Error degrees of freedom		15	20	20	55	20	20	20	60	115
CV (%)		12.6	9.7	6.4	10.2	9.3	19.8	16.3	15.8	13.2
R <sup>2</sup> (%)		82	87	99	94	77	72	77	76	88

<sup>1</sup>(E) = Experimental.



**Table 12. Summary of 2-Year Yields for Maturity Group III Roundup Ready for the 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Crawford	Hill avg.	Stoneville Irr.	Stoneville Nonirr.	Delta avg.		Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Armor 39-E9	Armor	33.4	33.4	36.8	41.7	39.2		37.3
AG3905	Asgrow	43.1	43.1	48.2	48.3	48.2		46.5
DK3968RR	Delta King	35.1	35.1	38.6	41.5	40.1		38.4
DP3861RR	DPL	34.0	34.0	43.2	41.3	42.2		39.5
DPX3950RR (E)	DPL	37.4	37.4	48.1	47.0	47.6		44.2
P39M90	Pioneer	35.4	35.4	40.1	40.4	40.3		38.7
Progeny 3900RR	Progeny	41.1	41.1	45.2	46.8	46.0		44.3
TV39RS31	Terral	43.8	43.8	45.1	38.9	42.0		42.6
Overall Mean		37.9	37.9	43.1	43.2	43.2		41.4
LSD (.10)		5.8	5.8	5.5	2.7	3.0		2.8
Error degrees of freedom		28	28	28	28	56		84
CV (%)		15.5	15.5	13.1	6.4	10.3		12.0
R <sup>2</sup> (%)		89	89	96	90	95		94

<sup>1</sup> (E) = Experimental.

**Table 13. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor 44-R4	Armor	39.9	49.2	42.2	40.4	43.0	57.3	34.2	50.3	47.2	44.9
Armor 44-R5	Armor	41.1	46.4	47.4	43.4	44.7	68.4	24.2	52.0	48.2	46.2
AG4201	Asgrow	42.5	53.9	38.7	43.5	44.8	59.0	22.0	44.7	41.9	43.5
AG4403	Asgrow	41.4	47.7	42.1	41.1	43.1	55.0	38.2	49.9	47.7	45.1
AG4502	Asgrow	44.6	43.3	36.4	40.3	41.0	64.2	26.4	50.6	47.1	43.7
AG4603	Asgrow	41.1	49.2	43.0	38.1	43.0	52.9	26.4	52.2	43.8	43.3
DKB44-51	DEKALB	38.9	47.7	42.1	42.4	42.9	53.3	33.3	49.6	45.4	44.0
DKB46-51	DEKALB	39.1	51.9	42.0	45.5	44.8	57.0	28.5	56.1	47.2	45.9
DK4461RR	Delta King	37.7	53.2	42.8	41.4	44.0	58.1	38.1	57.8	51.3	47.2
DP4331RR	DPL	33.8	46.3	40.6	39.1	40.2	57.6	34.3	49.8	47.2	43.3
DP4546RR	DPL	48.9	49.2	39.4	42.8	44.9	54.6	27.5	50.4	44.2	44.6
DG 3443NRR	Dyna Gro	39.0	49.8	41.5	40.3	42.8	58.0	36.8	51.2	48.6	45.4
DG 3463NRR	Dyna Gro	41.9	41.2	37.4	40.2	40.1	51.7	31.9	52.2	45.3	42.4
Garst 4612RR/N	Garst	55.5	53.2	43.2	41.4	48.0	57.3	28.1	53.0	46.2	47.2
C444RR	Genesis	36.3	49.2	43.9	42.9	43.3	60.0	33.9	54.5	49.4	46.0
HBK R4623	Hornbeck	47.9	48.3	42.1	37.8	43.9	56.7	33.0	55.5	48.4	45.9
NK S43-B1	NK Brand	41.4	46.5	44.1	41.8	43.5	52.5	29.1	44.0	41.8	42.8
P94M41	Pioneer	37.3	46.4	34.4	40.1	39.6	57.1	25.1	44.5	42.2	40.8
Progeny 4401RR	Progeny	39.8	49.3	41.3	41.4	43.1	56.9	32.4	53.8	47.7	45.1
SS RT4502	Southern States	50.3	55.3	39.6	39.9	46.1	55.7	27.3	52.2	45.1	45.6
USG 7440nRR	USG	41.9	48.7	44.6	39.9	43.8	55.2	33.8	52.1	47.0	45.2
Overall Mean		41.9	48.8	41.4	41.1	43.4	57.1	30.7	51.3	46.3	44.7
LSD (.10)		6.6	5.6	4.0	3.1	2.4	4.8	6.5	6.0	3.3	2.0
Error degrees of freedom		60	80	80	79	299	80	80	80	240	539
CV (%)		14.9	11.9	9.9	7.9	11.3	8.8	22.0	12.3	13.1	12.2
R <sup>2</sup> (%)		68	68	95	91	88	54	71	61	88	88

<sup>1</sup> All are released varieties.

**Table 14. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor 47-G7	Armor	41.7	52.4	40.8	43.1	44.6	62.4	25.5	42.4	43.4	44.1
Armor GP 474	Armor	57.8	60.4	50.4	39.4	51.7	60.9	33.7	57.8	50.8	51.3
AG4902	Asgrow	53.9	51.4	43.4	35.3	45.6	54.4	29.3	47.5	43.7	44.8
DG 4860RR	Delta Grow	55.9	50.1	44.8	38.1	46.9	58.5	29.1	52.3	46.6	46.8
DG 4960RR	Delta Grow	52.6	50.0	45.2	42.0	47.2	63.2	27.8	62.8	51.3	49.0
DK4763RR	Delta King	46.2	51.8	44.5	41.2	45.9	61.9	24.7	48.9	45.1	45.6
DK4868RR	Delta King	51.1	60.4	43.8	41.2	49.1	51.5	30.0	53.0	44.9	47.2
DK4967RR	Delta King	55.8	50.5	45.5	38.8	47.3	61.3	33.6	49.6	48.2	47.7
DP4724RR	DPL	51.6	55.8	47.1	35.5	47.3	58.8	30.6	47.3	45.6	46.6
DP4933RR	DPL	58.7	63.3	46.6	41.9	52.3	55.0	39.8	46.8	47.2	50.1
SG498RR	DPL	57.2	60.7	39.9	30.7	46.7	50.1	32.5	46.1	42.9	45.0
DG 3481NRR	Dyna Gro	53.5	50.9	49.2	40.3	48.2	53.2	33.7	50.6	45.8	47.2
DG 36M49	Dyna Gro	54.2	56.9	46.7	38.2	48.8	62.6	34.9	60.4	52.6	50.5
ESXVT-17RR (E)	Eagle	64.2	60.3	44.0	20.4	46.5	55.0	29.8	57.0	47.3	46.8
FFR 4922RR	FFR	63.0	61.4	45.6	39.7	52.0	53.3	37.5	51.9	47.6	50.1
4888RR	Garst	54.7	53.1	44.8	32.4	45.9	54.8	33.0	52.9	46.9	46.3
D484RR	Genesis	56.2	51.1	47.6	38.1	47.9	60.9	29.4	49.5	46.6	47.3
D491RR	Genesis	56.1	53.0	49.0	40.1	49.3	62.1	28.8	42.8	44.6	47.2
HBK R4820	HBK	51.8	62.0	42.5	38.9	48.7	54.9	32.2	49.7	45.6	47.3
Morsoy RT 4802	Morsoy	55.5	55.4	44.7	36.9	47.8	60.4	31.7	52.7	48.3	48.0
Morsoy RT 4809	Morsoy	49.5	61.6	42.4	39.7	48.3	51.2	33.7	43.3	42.7	45.8
Morsoy RT 4993	Morsoy	56.8	55.8	47.4	40.	49.7	57.0	33.2	52.7	47.6	48.8
NK S49-Q9	NK Brand	50.7	52.2	43.6	37.8	45.9	59.4	33.2	59.2	50.6	47.9
P94B73	Pioneer	53.3	50.1	46.9	48.3	49.5	58.7	24.8	42.7	42.1	46.2
Progeny 4703RR	Progeny	43.7	54.2	46.0	26.8	42.6	41.2	35.3	63.6	46.7	44.4
Progeny 4932RR	Progeny	55.5	62.0	45.5	38.2	49.8	54.5	36.9	55.7	49.0	49.5
Progeny 4860RR	Progeny	55.1	49.9	48.5	40.9	48.3	58.3	30.5	61.1	49.9	49.0
Progeny 4949RR	Progeny	57.3	54.1	53.1	40.3	50.9	59.9	27.3	57.2	48.1	49.7
SS RT4902	Southern States	61.6	62.1	44.5	37.0	50.9	48.4	35.0	52.6	45.3	48.4
SS RT4980	Southern States	51.6	56.5	42.1	31.0	45.0	51.3	31.2	47.5	43.3	44.3
SS RT517N	Southern States	49.1	54.9	41.3	37.8	45.6	52.0	30.2	54.2	45.5	45.6
SS RT5001N	Southern States	45.3	45.9	42.5	36.3	42.4	51.0	35.8	51.3	46.0	44.0
TV49R12	Terral	60.7	55.0	47.1	34.0	48.7	52.0	31.9	54.4	46.1	47.5
Overall Mean		54.0	55.3	45.4	37.6	47.8	56.1	31.7	52.0	46.6	47.3
LSD (.10)		5.9	4.7	3.0	2.7	2.0	5.4	4.9	5.8	3.1	1.8
Error degrees of freedom		96	128	128	128	480	128	128	128	384	864
CV (%)		10.4	8.8	6.9	7.4	8.7	10.0	16.2	11.7	12.1	10.3
R <sup>2</sup> (%)		78	89	97	93	94	63	80	76	89	92

<sup>1</sup>(E) = Experimental.

**Table 15. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready  
for the 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
Armor GP 513	Armor	bu/A 65.7	bu/A 61.4	bu/A 54.2	bu/A 60.2	bu/A 52.9	bu/A 42.2	bu/A 54.2	bu/A 49.5	bu/A 54.8
Armor 56-J6	Armor	56.1	57.7	52.0	55.2	47.5	39.4	49.9	45.4	50.3
AG5501	Asgrow	57.6	57.5	53.3	56.1	55.5	40.4	42.9	46.4	51.3
AG5605	Asgrow	53.7	55.2	46.6	51.7	56.3	43.4	51.4	50.3	51.0
DKB51-51	DEKALB	59.3	50.3	52.2	53.6	44.1	29.9	40.0	37.9	45.7
DG 5260RR	Delta Grow	51.9	60.7	48.0	53.6	53.1	40.7	57.1	49.9	51.8
DG 5460RR	Delta Grow	57.7	55.0	45.4	52.4	55.9	39.2	54.6	49.6	51.0
DG 5630RR	Delta Grow	57.8	59.6	51.4	56.2	50.0	44.1	48.0	47.3	51.7
DG 5650RR	Delta Grow	57.7	54.1	52.6	54.6	58.3	41.2	53.8	50.9	52.8
DK5161RR	Delta King	67.7	65.4	55.8	62.7	50.9	40.9	54.7	48.5	55.6
DK5366RR	Delta King	60.5	62.0	54.7	59.0	52.3	47.2	47.7	49.1	54.1
DK5668RR	Delta King	66.0	59.2	55.2	59.8	50.1	51.1	51.6	50.9	55.3
DP5414RR	DPL	48.9	54.7	53.3	52.5	54.4	42.6	52.8	49.8	51.1
DP5634RR	DPL	60.2	63.5	53.4	59.0	54.1	42.0	53.9	49.8	54.4
DG 33B52	Dyna Gro	69.7	62.8	57.2	62.9	54.9	44.0	55.0	51.1	57.0
DG 3535NRR	Dyna Gro	52.0	55.7	53.5	53.8	48.1	45.2	49.6	47.5	50.7
DG 3562NRR	Dyna Gro	64.1	59.5	55.1	59.3	51.3	44.3	48.3	47.9	53.6
ESXVT-19RR (E)	Eagle	56.5	50.8	47.2	51.2	45.0	44.8	46.1	45.2	48.2
FFR 5225RR	FFR	58.9	56.2	47.6	53.9	47.4	41.0	46.6	44.9	49.4
Garst 5212RR/N	Garst	56.5	55.4	48.5	53.3	48.9	39.1	46.2	44.7	49.0
D524RR	Genesis	62.1	57.2	49.5	55.9	53.0	42.7	52.5	49.2	52.5
HBK R5123	Hornbeck	56.2	52.9	47.0	51.8	36.9	41.4	36.4	38.3	45.1
HBK R5422	Hornbeck	59.1	56.6	49.4	54.8	54.2	40.1	48.8	47.6	51.2
HBK R5620	Hornbeck	58.0	59.7	52.1	56.5	50.7	44.6	47.0	47.4	52.0
Morsoy RT 5252	Morsoy	63.9	58.5	48.7	56.6	51.9	35.0	50.9	45.6	51.1
Morsoy RT 5553	Morsoy	52.1	57.8	49.2	53.1	58.7	47.9	56.6	54.3	53.7
Morsoy RT 5620	Morsoy	64.1	60.0	55.4	59.6	50.2	46.0	52.0	49.3	54.4
NK S56-D7	NK Brand	62.3	63.6	52.6	59.3	50.4	43.9	58.5	50.5	54.9
P95B43	Pioneer	61.6	64.7	51.7	59.2	47.5	40.0	52.3	46.3	52.7
Progeny 5250RR	Progeny	62.5	61.0	50.6	57.7	51.8	40.0	53.5	48.1	52.9
Progeny 5503RR	Progeny	54.6	56.7	45.6	52.2	58.8	45.5	46.7	50.6	51.4
Progeny 5660RR	Progeny	57.9	61.6	52.4	57.2	52.3	43.2	47.4	47.7	52.5
SS RT557N	Southern States	53.1	56.5	46.7	52.0	47.7	42.0	53.5	47.4	49.7
SS RT5302N	Southern States	55.7	57.0	49.5	54.0	49.1	37.7	44.0	43.6	48.8
SS RT5602N	Southern States	48.2	53.0	44.0	48.5	52.6	31.7	42.8	42.3	45.4
TV56R11	Terral	54.5	55.3	50.3	53.3	50.1	47.2	49.2	48.8	51.1
TV56R12	Terral	52.8	58.3	44.7	51.9	49.0	56.0	55.3	53.3	52.6
TVX52R301 (E)	Terral	53.7	58.8	52.0	54.9	56.0	33.4	54.1	47.4	51.2
USG 7524nRR	USG	58.3	54.3	52.3	54.8	40.2	46.6	28.5	39.0	46.9
USG 7553nRS	USG	56.7	59.4	47.0	54.2	52.6	43.0	52.6	49.2	51.7
V562NRR	Vigoro	58.9	57.4	54.7	56.9	46.7	46.9	48.1	47.2	52.0
Overall Mean		58.2	58.0	50.8	55.5	51.0	42.4	49.6	47.6	51.5
LSD (.10)		5.0	4.5	2.2	2.3	4.9	5.4	5.3	3.0	1.9
Error degrees of freedom		120	160	160	44.0	160	160	120	440	880
CV (%)		8.2	8.1	4.5	7.2	10.1	13.4	10.1	11.1	9.1
R <sup>2</sup> (%)		86	83	99	94	72	67	89	82	90

<sup>1</sup>(E) = Experimental.

**Table 16. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor 58-V8	Armor	52.3	55.3	55.0	54.3	54.4	41.8	42.6	46.5	50.4
AG5701	Asgrow	48.2	59.6	54.2	54.3	53.5	51.5	39.2	48.6	51.5
AG5903	Asgrow	58.1	57.8	52.2	55.9	60.1	46.7	43.9	50.6	53.2
DG 5960RR	Delta Grow	58.8	57.8	53.7	56.6	55.4	42.8	41.5	46.9	51.8
DK5767RR	Delta King	55.1	55.4	55.7	55.4	51.7	43.6	43.6	46.5	50.9
DK5967RR	Delta King	62.1	54.5	51.8	55.8	54.2	43.0	41.0	46.4	51.1
DP5806RR	DPL	53.4	48.5	43.3	48.1	48.8	52.7	38.5	47.1	47.6
DP5915RR	DPL	60.2	55.0	49.2	54.5	54.3	44.9	41.5	47.2	50.8
DG 3583NRR	Dyna Gro	55.1	55.8	54.3	55.1	58.2	39.4	41.1	46.5	50.8
DG 38K57	Dyna Gro	58.2	53.2	52.6	54.4	50.5	44.9	43.4	46.4	50.4
ESXVT-34RR (E)	Eagle	65.0	51.0	44.7	52.9	50.8	49.2	24.8	42.6	47.7
ESXVT-41RR (E)	Eagle	68.6	51.7	51.2	56.5	55.8	43.9	32.3	44.7	50.6
ESXVT-46RR (E)	Eagle	64.2	55.9	51.7	56.9	52.2	45.3	36.9	45.3	51.1
Garst 5812RR/N	Garst	48.8	55.7	48.3	51.0	47.0	38.3	40.7	42.0	46.5
Garst 5924RR/N	Garst	59.1	53.9	55.3	55.9	58.0	39.7	47.1	48.3	52.1
Garst 6112RR/N	Garst	67.8	53.4	54.4	58.0	61.2	48.1	42.4	51.0	54.5
Morsoy RT 5773	Morsoy	53.9	57.1	53.8	55.0	59.5	42.2	49.3	50.4	52.7
Morsoy RT 5903	Morsoy	57.0	59.4	54.2	56.9	50.5	41.5	42.4	44.9	50.9
P95B96	Pioneer	43.2	59.4	48.4	50.7	44.9	44.7	39.3	43.2	47.0
Progeny 5703RR	Progeny	60.3	58.0	54.1	57.3	55.7	43.2	39.3	46.5	51.9
Progeny 5822RR	Progeny	58.4	57.4	54.7	56.7	51.7	42.5	42.3	45.7	51.2
SS RT5702N	Southern States	61.8	57.6	52.5	57.0	47.8	48.7	37.9	45.2	51.1
SS RT5999N	Southern States	53.1	55.6	45.4	51.3	49.1	43.1	42.6	45.1	48.2
TV57R14	Terral	57.0	59.1	55.8	57.3	51.0	39.5	47.4	45.9	51.6
TV58R12	Terral	58.7	51.0	45.8	51.4	45.9	41.2	42.3	43.2	47.3
TV59R14	Terral	56.1	54.9	57.0	56.0	52.6	45.7	41.6	46.9	51.5
TV62R11	Terral	64.2	51.6	50.7	55.0	59.6	51.8	43.6	52.2	53.6
USG 570nRR	USG	59.5	58.1	54.5	57.3	51.9	51.5	43.0	49.1	53.2
USG 7582nRR	USG	60.7	53.9	54.5	56.1	51.8	41.7	39.0	44.5	50.3
Overall Mean		57.9	59.3	52.0	54.9	53.0	44.6	41.1	46.5	50.7
LSD (.10)		6.9	4.2	4.2	2.8	6.4	5.5	6.3	3.5	2.2
Error degrees of freedom		84	108	112	297	112	112	84	308	594
CV (%)		11.3	7.9	8.4	9.0	12.6	12.8	14.5	13.2	10.9
R <sup>2</sup> (%)		75	76	97	93	60	56	93	85	90

<sup>1</sup>(E) = Experimental.

**Table 17. Summary of 3-Year Yields for Maturity Group IV for the 2002, 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Crawford	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP4748S	DPL	65.0	55.9	55.1	58.4	55.8	37.5	46.7	53.6
Progeny 4910	Progeny	64.4	60.0	56.3	60.1	51.1	39.6	45.3	54.0
DT98-7278 (E)	Public	63.3	58.6	50.0	57.1	57.2	38.3	47.8	53.3
DT98-9102 (E)	Public	54.2	60.6	48.3	54.4	49.6	37.9	43.8	50.0
Overall Mean		61.7	58.8	52.4	57.4	53.4	38.3	45.9	52.7
LSD (.10)		5.0	5.2	3.7	2.6	4.0	5.2	3.2	2.0
Error degrees of freedom		15	18	18	51	18	18	36	87
CV (%)		9.2	10.9	8.5	9.7	9.3	16.6	12.4	10.7
R <sup>2</sup> (%)		91	74	97	93	86	88	91	94

<sup>1</sup>(E) = Experimental.

**Table 18. Summary of 3-Year Yields for Maturity Group V Late for the 2002, 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
DK5995	Delta King	64.9	60.5	55.2	60.0	56.5	37.1	46.8		54.6
Bolivar	Public	56.2	54.1	46.8	52.2	42.5	39.9	41.2		47.7
Freedom	Public	69.5	59.6	54.6	60.9	46.9	40.6	43.7		53.9
Hutcheson	Public	63.1	60.9	50.6	58.0	42.3	42.5	42.4		51.6
Overall Mean		63.5	58.8	51.8	57.8	47.0	40.1	43.5		52.0
LSD (.10)		5.9	6.2	2.4	2.8	3.2	5.2	3.0		2.1
Error degrees of freedom		15	18	18	51	18	18	36		87
CV (%)		10.7	13.0	5.7	10.6	8.4	15.9	12.2		11.1
R <sup>2</sup> (%)		87	74	99	92	88	95	94		94

<sup>1</sup>All are released varieties.**Table 19. Summary of 3-Year Yields for Maturity Group III Roundup Ready for the 2002, 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Crawford	Hill avg.		Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Armor 39-E9	Armor	49.2	39.1	44.2	38.9	38.9		42.4
DK3968RR	Delta King	49.8	39.3	44.5	39.6	39.6		42.9
DP3861RR	DPL	51.4	39.3	44.9	38.4	38.4		42.7
Overall Mean		50.2	38.9	44.5	39.0	39.0		42.7
LSD (.10)		4.0	3.3	2.5	4.0	4.0		2.1
Error degrees of freedom		12	12	24	12	12		36
CV (%)		9.5	10.1	9.8	12.4	12.4		10.6
R <sup>2</sup> (%)		98	89	97	95	95		97

<sup>1</sup>All are released varieties.**Table 20. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2002, 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Crawford	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor 44-R4	Armor	49.5	50.8	50.2	38.0	47.1	56.3	33.8	45.0	46.4
Armor 44-R5	Armor	47.1	47.3	54.5	40.6	47.4	65.6	30.5	48.0	47.6
AG4201	Asgrow	49.4	58.8	48.4	39.6	49.0	53.4	26.3	39.9	45.9
AG4403	Asgrow	54.9	48.6	50.8	41.0	48.6	54.5	38.3	46.4	47.9
AG4603	Asgrow	53.2	53.4	51.7	39.4	49.3	49.7	33.6	41.6	46.7
DK4461RR	Delta King	49.8	52.5	49.2	38.6	47.4	56.4	38.3	47.4	47.4
DP4331RR	DPL	48.9	48.4	48.4	36.8	45.5	56.4	36.8	46.6	45.9
DP4546RR	DPL	57.8	50.0	47.4	43.4	49.4	55.7	31.7	43.7	47.5
DG 3443NRR	Dyna Gro	53.7	49.7	48.0	39.2	47.5	55.3	36.8	46.0	47.0
DG 3463NRR	Dyna Gro	50.9	47.3	44.9	40.2	45.7	47.7	34.6	41.1	44.1
C444RR	Genesis	51.5	47.3	52.3	40.7	47.9	56.1	36.1	46.1	47.3
Progeny 4401RR	Progeny	51.9	53.0	49.6	39.8	48.4	53.8	34.9	44.4	47.1
SS RT4502	Southern States	56.2	57.3	47.5	38.4	49.7	54.7	29.9	42.3	47.2
USG 7440nRR	USG	54.8	50.4	52.3	39.4	49.1	53.7	34.2	44.0	47.3
Overall Mean		52.1	51.0	49.6	39.6	48.0	54.9	34.0	44.5	46.8
LSD (.10)		4.9	5.2	2.9	2.9	2.0	3.9	4.8	3.1	1.7
Error degrees of freedom		65	78	78	78	299	78	78	156	455
CV (%)		11.3	13.0	7.4	9.3	10.6	8.9	18.2	12.6	11.3
R <sup>2</sup> (%)		93	69	97	86	92	70	71	89	91

<sup>1</sup>All are released varieties.

**Table 21. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2002, 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Crawford	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor 47-G7	Armor	53.1	57.7	47.9	41.6	50.0	57.3	34.3	45.8	48.6
AG4902	Asgrow	61.8	59.5	49.2	36.1	51.4	53.1	37.8	45.4	49.3
DG 4860RR	Delta Grow	62.8	57.4	48.8	37.4	51.3	54.0	35.7	44.9	49.1
DK4763RR	Delta King	54.3	56.6	49.7	39.6	49.9	57.3	33.1	45.2	48.3
DK4868RR	Delta King	61.7	63.8	52.6	39.3	54.1	49.4	36.8	43.1	50.4
DK4967RR	Delta King	63.8	58.7	51.6	36.8	52.4	56.8	42.3	49.6	51.4
DP4933RR	DPL	66.4	66.4	53.5	40.4	56.4	50.4	43.6	47.0	53.2
SG498RR	DPL	64.4	66.3	48.4	31.9	52.4	48.7	38.7	43.7	49.5
FFR 4922RR	FFR	70.2	63.4	53.2	39.3	56.2	48.2	42.1	45.2	52.4
4888RR	Garst	62.8	58.0	51.0	33.2	50.9	55.3	36.8	46.1	49.3
HBK R4820	Hornbeck	62.4	66.9	51.4	38.0	54.5	48.6	39.6	44.1	50.9
Morsoy RT 4809	Morsoy	60.8	65.2	50.7	39.2	53.8	49.4	40.3	44.9	50.8
NK S49-Q9	NK Brand	61.4	52.0	51.7	39.2	50.8	55.7	40.5	48.1	49.9
P94B73	Pioneer	60.1	57.7	52.2	46.7	54.0	57.5	35.3	46.4	51.4
Progeny 4932RR	Progeny	65.0	65.3	51.6	37.9	54.7	49.1	42.4	45.8	51.6
SS RT4902	Southern States	67.4	66.9	50.9	37.2	55.3	45.8	41.2	43.5	51.3
SS RT4980	Southern States	62.2	59.8	47.8	32.4	50.2	51.5	38.4	44.9	48.4
SS RT517N	Southern States	56.3	59.2	49.1	37.4	50.3	47.5	39.5	43.5	48.0
SS RT5001N	Southern States	56.0	50.2	49.9	37.3	48.1	50.7	42.8	46.7	47.6
Overall Mean		61.7	60.6	50.6	37.9	52.5	51.9	39.0	45.5	50.1
LSD (.10)		4.3	4.3	3.1	2.6	1.8	4.5	4.0	3.0	1.6
Error degrees of freedom		90	108	108	108	414	108	108	216	630
CV (%)		8.4	9.1	7.8	8.8	8.7	11.2	13.2	12.1	9.8
R <sup>2</sup> (%)		92	89	96	87	95	70	90	88	94

<sup>1</sup>All are released varieties.

**Table 22. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2002, 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor 56-J6	Armor	63.1	65.2	60.3	62.8	51.6	39.8	46.0	56.2
AG5501	Asgrow	61.3	64.3	59.9	61.9	54.1	35.9	45.5	55.4
DG 5630RR	Delta Grow	65.7	65.8	58.5	63.2	51.4	37.0	44.6	55.9
DK5366RR	Delta King	66.5	69.8	61.3	65.9	57.3	38.8	48.6	59.0
DK5668RR	Delta King	67.5	65.1	59.5	63.9	55.0	40.0	47.9	57.6
DP5414RR	DPL	58.3	60.0	57.5	58.6	53.4	44.9	49.4	55.0
DP5634RR	DPL	65.1	68.4	58.8	64.1	58.1	40.1	49.7	58.4
DG 3535NRR	Dyna Gro	60.2	64.9	60.3	61.8	52.6	37.1	45.3	55.3
DG 3562NRR	Dyna Gro	66.8	65.4	58.6	63.5	58.2	37.9	48.7	57.6
HBK R5422	Hornbeck	60.8	60.8	54.5	58.6	55.1	36.5	46.3	53.8
HBK R5620	Hornbeck	66.2	67.4	60.6	64.7	55.6	36.9	46.8	57.6
Morsoy RT 5252	Morsoy	64.1	61.8	55.0	60.2	53.7	39.7	47.1	55.0
Morsoy RT 5620	Morsoy	68.0	64.6	59.5	63.9	57.3	39.1	48.7	57.9
NK S56-D7	NK Brand	65.2	67.7	55.9	62.8	48.1	45.4	46.8	56.5
P95B43	Pioneer	65.6	70.9	59.5	65.3	48.0	39.2	43.8	56.8
Progeny 5250RR	Progeny	65.5	66.2	56.6	62.7	51.5	39.7	46.0	56.1
Progeny 5660RR	Progeny	59.7	67.9	60.2	62.7	54.4	37.1	46.2	56.2
SS RT557N	Southern States	59.5	63.1	54.7	59.1	45.8	41.4	43.7	53.0
SS RT5302N	Southern States	60.7	61.8	56.5	59.6	50.2	36.2	43.6	53.3
TV56R11	Terral	61.3	63.9	58.5	61.2	52.1	38.7	45.8	55.1
Overall Mean		63.6	65.2	58.3	62.3	53.2	39.1	46.5	56.1
LSD (.10)		4.2	4.1	1.9	2.0	5.0	4.3	3.3	1.8
Error degrees of freedom		95	114	114	323	114	95	209	532
CV (%)		8.0	8.0	4.2	7.1	11.9	13.4	12.6	9.0
R <sup>2</sup> (%)		86	88	99	94	68	94	91	94

<sup>1</sup>All are released varieties.

**Table 23. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready  
for the 2002, 2003 and 2004 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AG5701	Asgrow	58.6	66.5	59.8	61.7	56.8	32.9	45.5	55.3
AG5903	Asgrow	64.7	64.3	59.9	62.9	63.8	36.4	50.9	58.2
DG 5960RR	Delta Grow	65.1	66.0	62.3	64.4	59.3	35.9	48.3	58.0
DK5967RR	Delta King	68.0	63.0	59.7	63.4	58.2	36.5	47.9	57.3
DP5806RR	DPL	58.1	53.2	45.5	52.0	51.6	33.4	43.0	48.5
DP5915RR	DPL	66.9	62.8	57.3	62.1	56.8	34.8	46.4	55.9
DG 3583NRR	Dyna Gro	63.1	65.6	62.6	63.8	60.2	36.0	48.8	57.9
ESXVT-46RR (E)	Eagle	65.0	59.9	55.5	59.9	55.0	33.4	44.8	54.0
Garst 5812RR/N	Garst	56.9	60.0	53.3	56.7	50.0	33.5	42.2	51.0
P95B96	Pioneer	54.7	66.0	56.8	59.4	46.6	34.0	40.7	52.0
Progeny 5822RR	Progeny	65.1	64.8	63.1	64.3	56.6	35.2	46.6	57.3
SS RT5702N	Southern States	66.7	63.5	53.6	61.1	48.7	30.2	40.0	52.7
SS RT5999N	Southern States	59.5	59.7	50.8	56.5	49.4	34.1	42.2	50.9
USG 570nRR	USG	64.9	65.4	61.1	63.8	54.6	34.5	45.1	56.4
USG 7582nRR	USG	66.8	61.9	61.6	63.3	56.0	35.5	46.4	56.6
Overall Mean		62.9	62.8	57.1	61.0	54.9	34.4	45.3	54.8
LSD (.10)		5.2	3.5	3.0	2.2	5.0	4.8	3.5	1.9
Error degrees of freedom		70	84	90	238	84	70	154	392
CV (%)		10.0	7.2	6.7	8.0	11.7	16.6	13.5	9.9
R <sup>2</sup> (%)		85	90	98	94	71	93	92	94

<sup>1</sup>(E) = Experimental.

# Location 1. MAFES Delta Branch, Stoneville

## Location Summary

Soybeans were planted and emerged rapidly. The dryland test was located on a well-drained Sharkey clay. Excessive June rains appeared to reduce plant height across the entire test, but water did not stand for excessive periods of time, and yields were very good given the circumstances. The irrigated test was located in a low-lying Sharkey clay field where it is difficult to remove large amounts of water in a timely fashion following

heavy rains. Growing conditions were good until late-June, when an irrigation was warranted. The field was irrigated to very wet and excessive June rains followed. Certain parts of the test stood under water for several days. Plants were stunted and yield reduced dramatically due to the excessively wet field conditions. Varieties yielding well under these conditions should have good flood tolerance.

<b>Soil type</b> .....	<b>Sharkey clay</b>
<b>Soil pH</b> .....	<b>7.5</b>
<b>Soil fertility</b> .....	<b>P=H+; K=H</b>
<b>Fertilizer added</b> .....	<b>None</b>
<b>Herbicide application</b> ...	<b>Preemergence – Conventional – Irrigated - Dual @ 1.5 pt/A + Scepter @ 2.86 oz/A (4-29-04)</b> <b>Gramoxone Max @ 3 pt/A + Nonionic Surfactant @ 0.25%</b> <b>Postemergence – Conventional – Irrigated - Select @ 8 oz/A + Reflex @ 1 pt/A</b> <b>+ Crop Oil @ 1% (7-9-04)</b> <b>Preemergence – Roundup Ready – Irrigated - Gramoxone @ 3 pt/A</b> <b>+ Nonionic Surfactant @ 0.25 % (4-29-04)</b> <b>Postemergence – Roundup Ready – Irrigated - Roundup Weathermax @ 24 oz/A</b> <b>(5-24-04 &amp; 6-11-04)</b> <b>Roundup Weathermax @ 22 oz/A (7-9-04)</b> <b>Postemergence – Roundup Ready – Nonirrigated - Roundup Weathermax @ 22 oz/A</b> <b>(4-28-04)</b>
<b>Irrigation</b> .....	<b>June 18, July 14, and August 2</b>
<b>Planting date</b> .....	<b>Nonirrigated tests – April 20; Irrigated tests – April 28</b>
<b>Harvest date</b> .....	<b>Group III Nonirr. – August 19; Group III Irr. &amp; IV Early RR Nonirr. – August 27</b> <b>Group IV Early RR Irr. &amp; IV Late RR Nonirr. – September 1</b> <b>Group IV Early Conv. &amp; IV Late RR Irr. – September 13</b> <b>Group V Early Irr. Conv. &amp; V Early RR Irr. – September 28</b> <b>Group V Late Irr. Conv. &amp; V Late RR Irr. – October 6</b>

**Table 24. Maturity Group IV Soybeans Planted April 28, 2004, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

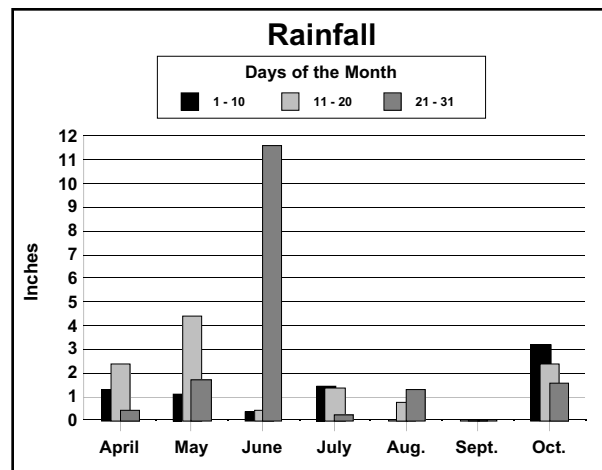
Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
DP4748S	DPL	<i>bu/A</i> 69.8	<i>bu/A</i> 60.8	<i>bu/A</i> 34.5	09/07	<i>in</i> 23	1
Progeny 4910	Progeny	70.1	67.9	30.9	09/09	18	1
DT99-17048 (E)	Public	-	-	27.8	09/12	17	1
DT98-7278 (E)	Public	71.0	53.0	26.0	09/09	17	1
DT97-4290 (E)	Public	-	53.4	23.8	09/05	23	1
R98-1817 (E)	Public	-	62.8	23.8	09/11	15	1
S00-9925-10 (E)	Public	-	-	19.8	09/11	14	1
DT98-9102 (E)	Public	71.6	55.9	17.3	09/14	16	1
Overall Mean		68.4	56.1	25.5			
LSD (.10)		6.2	6.2	7.2			
Error degrees of freedom		10	16	14			
CV (%)		6.2	7.6	19.7			
R <sup>2</sup> (%)		65	79	72			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.



# Rainfall Summary

	Inches
April .....	4.12
May .....	7.25
June .....	12.45
July .....	3.08
August .....	2.15
September .....	0.03
October .....	7.13
<b>Total .....</b>	<b>36.21</b>



**Table 25. Maturity Group V Early Soybeans Planted April 28, 2004, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP5110S	DPL	73.5	70.4	39.5	09/11	29	1
DB00-087 (E)	Public	-	-	31.3	09/20	16	1
Ozark	Public	-	62.3	31.0	09/15	15	1
DB00-138 (E)	Public	-	-	29.7	09/18	12	1
S00-9979-09 (E)	Public	-	-	27.8	09/16	14	1
S00-9970-08 (E)	Public	-	-	27.7	09/16	17	1
Delsoy 5500	Public	-	64.2	26.2	09/19	13	1
DB00-002 (E)	Public	-	-	26.0	09/19	15	1
USG 5601T	PVP	-	60.5	25.0	09/19	14	1
Teejay	Public	-	66.5	24.4	09/12	13	1
USG 5002T	PVP	-	62.7	24.1	09/09	15	1
DB00-173 (E)	Public	-	-	23.4	09/14	11	1
DB00-141 (E)	Public	-	-	22.4	09/21	11	1
Anand	Public	-	62.9	20.2	09/12	13	1
DB00-155 (E)	Public	-	-	15.9	09/19	12	1
Overall Mean		70.7	64.8	26.3			
LSD (.10)		3.1	5.0	4.6			
Error degrees of freedom		10	26	28			
CV (%)		3.0	5.5	12.5			
R <sup>2</sup> (%)		75	67	82			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 26. Maturity Group V Late Soybeans Planted April 28, 2004, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DKXTJ458 (E)	Delta King	-	-	35.1	09/22	18	1
HBK C5894	Hornbeck	-	-	30.6	09/29	15	1
Freedom	Public	71.3	62.4	30.0	09/21	13	1
DT99-17574 (E)	Public	-	51.5	28.9	09/16	20	1
Hutcheson	Public	62.0	63.6	26.1	09/21	15	1
PGY 5770 (E)	PGY	-	-	25.0	09/27	14	1
Bolivar	Public	62.5	54.2	23.8	09/22	16	1
DK 5995	Delta King	76.2	66.1	23.2	09/23	20	1
R97-1634 (E)	Public	-	-	22.6	09/23	15	1
DT98-11850 (E)	Public	-	55.7	18.3	09/14	12	1
Overall Mean		70.1	59.7	26.4			
LSD (.10)		5.6	4.2	4.2			
Error degrees of freedom		18	26	18			
CV (%)		5.6	5.1	11.2			
R <sup>2</sup> (%)		80	82	81			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 27. Roundup Ready Maturity Group III Soybeans Planted April 28, 2004, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Armor GP 470	Armor	-	-	45.1	09/02	31	1
AG3905	Asgrow	-	64.9	31.4	08/21	22	1
AG3906	Asgrow	-	-	29.6	08/24	23	1
DPX3950RR (E)	DPL	-	67.3	28.9	08/23	25	1
TV39RS31	Terral	-	64.2	26.1	08/24	29	1
DK 3964RR	Delta King	-	-	24.8	08/23	29	1
DP3861RR	DPL	37.9	62.9	23.4	08/23	22	1
Progeny 3900RR	Progeny	-	69.7	20.6	08/20	22	1
DK 3968RR	Delta King	72.1	57.2	20.1	08/23	19	1
NK S39-K6	NK Brand	-	-	19.7	08/23	22	1
93M90	Pioneer	-	61.0	19.2	08/19	21	1
Armor 39-E9	Armor	74.2	56.1	17.4	08/19	18	1
AG3802	Asgrow	-	-	16.5	08/20	22	1
Overall Mean		68.2	61.4	24.8			
LSD (.10)		7.7	5.3	8.6			
Error degrees of freedom		40	38	24			
CV (%)		8.2	6.3	24.8			
R <sup>2</sup> (%)		52	73	72			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 28. Roundup Ready Maturity Group III Soybeans Planted April 20, 2004, and Not Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
AG3906	Asgrow	-	-	51.6	08/16	21	1
AG3905	Asgrow	-	46.3	50.4	08/13	24	1
DK 3964RR	Delta King	-	-	49.9	08/12	26	1
Progeny 3900RR	Progeny	-	43.9	49.8	08/14	22	1
DK 3968RR	Delta King	34.9	33.4	49.6	08/14	18	1
DPX3950RR (E)	DPL	-	46.5	47.5	08/16	26	1
Armor 39-E9	Armor	34.0	36.2	47.1	08/12	22	1
DP3861RR	DPL	32.4	35.9	46.6	08/15	23	1
93M90	Pioneer	-	34.3	46.5	08/14	24	1
Armor GP 470	Armor	-	-	46.5	08/14	30	1
NK S39-K6	NK Brand	-	-	45.7	08/13	20	1
AG3802	Asgrow	-	-	43.7	08/13	23	1
TV39RS31	Terral	-	37.7	40.1	08/12	23	1
Overall Mean		30.8	38.8	47.3			
LSD (.10)		7.2	3.7	4.6			
Error degrees of freedom		40	38	24			
CV (%)		17.1	6.8	7.0			
R <sup>2</sup> (%)		72	79	67			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 29. Roundup Ready Maturity Group IV Early Soybeans Planted April 28, 2004, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DKXTJ446 (E)	Delta King	-	-	43.4	09/04	29	1
Armor 44-R5	Armor	68.6	58.2	36.6	09/02	22	1
TVX45RM21 (E)	Terral	-	-	35.4	08/31	31	1
AVX45ANRR (E)	AgVenture	-	-	34.0	09/03	26	1
TVX45RL21 (E)	Terral	-	-	33.7	08/31	32	1
USG 7434nRR	USG	-	-	32.1	08/29	21	1
Genesis C444RR	Genesis	69.1	56.7	31.0	08/31	28	1
DK 4461RR	Delta King	61.9	54.6	31.0	08/30	30	1
AV46J5NRR	AgVenture	-	-	30.9	09/02	25	1
TSR46RA5 (E)	Terral	-	-	30.9	08/31	33	1
DKXTJ546 (E)	Delta King	-	-	30.3	09/02	30	1
TVX45RN21 (E)	Terral	-	-	30.2	08/31	28	1
NK S43-B1	NK	-	58.1	30.1	09/03	27	1
DKXTJ545 (E)	Delta King	-	-	29.7	09/05	26	1
Armor 44-R4	Armor	66.2	55.1	29.2	09/03	29	1
USG 7440nRR	USG	67.8	60.2	28.9	08/31	29	1
DP4331RR	DPL	64.1	52.3	28.9	08/31	28	1
TVX46R401 (E)	Terral	-	-	28.8	09/02	29	1
DKXTJ501 (E)	Delta King	-	-	28.5	08/29	27	1
S02-679 (E)	Public	-	-	28.5	09/01	29	1
4612RR/N	Garst	-	58.1	28.2	08/31	25	1
AG4403	Asgrow	68.1	56.7	27.6	08/30	29	1
SS RT 4502N	Southern States	63.3	51.9	27.4	08/31	29	1
DKB44-51	DEKALB	-	57.1	27.1	08/31	24	1
AG4603	Asgrow	69.2	58.9	27.1	09/01	21	1
DG 4630RR	Delta Grow	-	-	26.7	09/02	28	1
PGY 4604RR (E)	PGY	-	-	26.6	09/02	24	1
Progeny 4401RR	Progeny	66.0	56.1	26.6	09/01	29	1
465.RC	Schillinger	-	-	26.4	08/26	23	1
HBK R4623	Hornbeck	-	57.7	26.4	08/30	27	1
DKB46-51	DEKALB	-	57.7	26.3	08/27	26	1
DG 3443NRR	Dyna-Gro	61.1	56.8	26.2	08/29	33	1
HBK R4023	Hornbeck	-	-	24.3	08/31	29	1
DP4546RR	DPL	63.3	54.9	24.0	08/31	26	1
RC 4233	Croplan Genetics	-	-	23.9	08/31	26	1
AG 4502	Asgrow	-	49.8	22.9	09/02	24	1
AG4201	Asgrow	67.7	55.3	22.1	08/29	24	1
DG 3463NRR	Dyna-Gro	59.9	52.6	22.1	08/26	28	1
AG4102	Asgrow	-	-	21.0	08/26	22	1
94M41	Pioneer	-	48.4	20.5	08/24	23	1
DKXTJ541 (E)	Delta King	-	-	20.2	08/24	22	1
DKXTJ543 (E)	Delta King	-	-	19.9	08/26	23	1
435.RC	Schillinger	-	-	19.3	08/26	26	1
DG 4340RR	Delta Grow	-	-	18.8	08/26	20	1
TVX44R401 (E)	Terral	-	-	18.6	08/26	22	1
E434NRR	Genesis	-	-	18.4	08/25	22	1
PGY 4304RR (E)	PGY	-	-	17.1	08/26	22	1
RC 4464	Croplan Genetics	-	-	15.5	08/25	22	1
DKXTJ540 (E)	Delta King	-	-	15.2	08/29	24	1
USG 7443nRR	USG	-	-	15.0	08/25	21	1
Overall Mean		63.4	55.2	26.3			
LSD (.10)		6.4	4.6	5.6			
Error degrees of freedom		70	52	98			
CV (%)		7.4	6.0	15.7			
R <sup>2</sup> (%)		60	62	80			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 30. Roundup Ready Maturity Group IV Late Soybeans Planted April 28, 2004, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DKXTJ542 (E)	Delta King	-	-	43.7	09/08	26	1
4999RR/N	Garst	-	-	42.5	09/07	30	1
DG 4970RR	Delta Grow	-	-	41.6	09/09	26	1
Progeny 4949RR	Progeny	-	65.0	41.2	09/19	28	1
HBK R4924	Hornbeck	-	-	40.6	09/07	31	1
TVX48R413 (E)	Terral	-	-	39.6	08/29	27	2
495.RC	Schillinger	-	-	39.4	09/09	27	1
E484NRR	Genesis	-	-	37.8	08/31	23	1
V48N5RR	Vigoro	-	-	37.5	09/02	25	1
DG 3481NRR	Dyna-Gro	-	61.2	37.3	09/01	26	1
TVX48RN27 (E)	Terral	-	-	36.9	09/13	30	1
XR48N20 (E)	Garst	-	-	36.5	08/30	25	1
TVX49R302 (E)	Terral	-	-	36.5	09/05	32	1
USG 7482nRR	USG	-	-	36.3	08/30	24	1
TV49R12	Terral	-	58.5	35.6	09/05	27	1
94B73	Pioneer	62.7	58.2	35.5	08/28	24	1
AG4903	Asgrow	-	-	35.4	09/08	25	1
DKXTJ448 (E)	Delta King	-	-	35.4	09/03	30	2
Armor GP 499	Armor	-	-	35.2	09/15	26	3
DPX4891RR (E)	DPL	-	-	35.2	09/02	26	1
RC 4842	Croplan Genetics	-	-	35.0	08/28	26	1
TVX48RL27 (E)	Terral	-	-	35.0	09/03	29	1
Progeny 4703RR	Progeny	-	57.0	34.9	09/19	32	1
ESXVT-17RR (E)	Eagle Seed	-	53.1	34.9	09/12	29	1
DP4724RR	DPL	-	59.3	34.8	08/31	26	1
AV49J7NRR	AgVenture	-	-	34.5	09/01	27	1
Progeny 4932RR	Progeny	63.9	56.5	34.4	09/14	27	1
DKXTJ54J9 (E)	Delta King	-	-	34.4	09/05	33	2
S02-677 (E)	Public	-	-	34.3	09/03	31	1
Armor GP 474	Armor	-	66.8	34.0	08/31	25	1
4888RR	Garst	-	-	33.9	09/13	27	1
USG 7484nRR	USG	-	-	33.6	09/01	25	2
DK4967RR	Delta King	-	57.4	33.6	08/28	29	1
Progeny 4860RR	Progeny	-	63.4	33.6	09/10	17	1
Genesis D484RR	Genesis	-	61.6	33.6	08/31	22	1
DKXTJ503 (E)	Delta King	-	-	33.6	09/28	26	1
Genesis D491RR	Genesis	-	64.4	33.5	08/30	26	1
S02-683 (E)	Public	-	-	33.4	09/09	33	1
DP4933RR	DPL	67.4	59.9	33.3	09/13	30	1
USG 7494nRR	USG	-	-	33.2	08/31	28	1
HBK R4724	Hornbeck	-	-	33.2	09/05	29	1
DG 4840RR	Delta Grow	-	-	32.8	09/04	23	1
94M90	Pioneer	-	-	32.7	09/05	22	1
PGY 4804RR (E)	PGY	-	-	32.5	09/02	24	1
DG 4860RR	Delta Grow	56.8	57.3	32.3	08/31	20	1
SS RT 4902	Southern States	63.7	56.9	32.1	09/14	32	1
SS RT4980	Southern States	59.2	52.3	31.9	09/05	28	1
5012RR/N	Garst	-	-	31.9	09/06	22	1
FFR 4922RR	FFR	68.4	59.6	31.7	09/10	31	1
SG498RR	DPL	65.5	48.2	31.7	09/06	23	1
NK S49-Q9	NK	68.0	55.5	31.6	06/11	28	1
DG 36M49	Dyna-Gro	-	61.9	31.4	08/29	27	2
TVX48RM27 (E)	Terral	-	-	31.2	09/03	28	1
TSR47RT6 (E)	Terral	-	-	31.0	09/08	29	1
DK 4763RR	Delta King	60.1	58.0	31.0	08/27	23	1
DG 4960RR	Delta Grow	-	59.4	30.9	09/06	19	1
MorSoy RT4802	MorSoy	-	58.7	30.7	08/29	25	1
DKXTJ549 (E)	Delta King	-	-	30.6	09/04	28	2
DKXTJ548 (E)	Delta King	-	-	30.4	09/02	23	1
AG4801	Asgrow	-	-	30.4	09/06	22	1
AG4902	Asgrow	60.8	56.6	30.1	09/05	23	1
MorSoy RT4993	MorSoy	-	65.2	29.6	08/29	24	1
DKXTJ502 (E)	Delta King	-	-	29.5	09/27	22	1
USG 7499nRR	USG	-	-	29.2	09/01	26	1
Armor 49-T3	Armor	-	-	29.2	09/01	24	1
SS-RT 5001N	Southern States	64.6	55.8	29.1	09/08	22	1
RT 5130N	Southern States	-	-	28.3	09/05	20	1
DK4868RR	Delta King	70.1	60.8	26.9	09/09	25	1
HBK R4820	Hornbeck	69.2	58.6	26.4	09/06	26	1
Armor 47-G7	Armor	62.2	55.1	26.4	08/27	20	1
DKXTJ54X9 (E)	Delta King	-	-	26.0	09/02	23	1
Progeny 4858RR	Progeny	-	-	25.5	09/15	26	1
SS RT517N	Southern States	64.7	57.4	25.2	09/11	20	1
HBK R4945CX	Hornbeck	-	-	24.3	09/03	26	1
MorSoy RT4809	MorSoy	67.3	61.6	23.3	09/08	26	1
Overall Mean		61.3	57.3	33.1			
LSD (.10)		8.8	3.8	4.5			
Error degrees of freedom		92	104	148			
CV (%)		10.6	4.8	10.0			
R <sup>2</sup> (%)		53	79	73			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 31. Roundup Ready Maturity Group IV Early Soybeans Planted April 20, 2004, and Not Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
USG 7434nRR	USG	-	-	57.8	08/17	24	1
Armor 44-R5	Armor	35.0	31.1	55.8	08/19	23	1
DKB46-51	DEKALB	-	36.2	54.7	08/21	25	1
94M41	Pioneer	-	31.2	54.4	08/16	22	1
4612RR/N	Garst	-	30.5	52.3	08/16	26	1
AG4201	Asgrow	31.6	34.9	52.2	08/16	24	1
DP4546RR	DPL	44.6	33.5	52.1	08/22	27	1
PGY 4604RR (E)	PGY	-	-	51.7	08/19	25	1
465.RC	Schillinger	-	-	51.2	08/18	23	1
NK S43-B1	NK	-	32.5	51.1	08/17	26	1
AV46J5NRR	AgVenture	-	-	50.7	08/18	22	1
AG4403	Asgrow	40.8	32.1	50.1	08/18	25	1
Progeny 4401RR	Progeny	36.4	33.6	49.3	08/19	30	1
DK 4461RR	Delta King	33.0	34.4	48.4	08/19	25	1
TVX46R401 (E)	Terral	-	-	48.2	08/21	27	1
DKB44-51	DEKALB	-	36.8	47.9	08/16	26	1
DKXTJ446 (E)	Delta King	-	-	47.4	08/17	32	1
Genesis C444RR	Genesis	36.4	38.5	47.3	08/18	28	1
SS RT 4502N	Southern States	35.6	32.7	46.9	08/21	28	1
DKXTJ501 (E)	Delta King	-	-	46.8	08/18	27	1
USG 7440nRR	USG	37.5	33.2	46.6	08/19	26	1
DP4331RR	DPL	32.1	31.6	46.6	08/17	25	1
AG 4502	Asgrow	-	34.4	46.3	08/17	27	1
DG 3463NRR	Dyna-Gro	40.3	34.3	46.1	08/16	27	1
Armor 44-R4	Armor	33.3	34.9	45.9	08/17	24	1
HBK R4623	Hornbeck	-	29.9	45.7	08/18	29	1
TVX45R121 (E)	Terral	-	-	45.7	08/20	31	1
AG4102	Asgrow	-	-	45.7	08/16	30	1
DKXTJ541 (E)	Delta King	-	-	45.7	08/15	27	1
DG 3443NRR	Dyna-Gro	37.0	35.0	45.5	08/21	23	1
TVX45RM21 (E)	Terral	-	-	45.3	08/18	28	1
HBK R4023	Hornbeck	-	-	45.3	08/17	26	1
TVX45RN21 (E)	Terral	-	-	45.1	08/21	30	1
DKXTJ545 (E)	Delta King	-	-	44.5	08/19	31	1
S02-679 (E)	Public	-	-	44.3	08/19	31	1
RC 4233	Croplan Genetics	-	-	44.2	08/16	24	1
DKXTJ546 (E)	Delta King	-	-	44.1	08/22	30	1
AG4603	Asgrow	41.8	32.3	44.0	08/22	24	1
DG 4630RR	Delta Grow	-	-	43.9	08/22	27	1
TSR46RA5 (E)	Terral	-	-	43.3	08/20	29	1
PGY 4304RR (E)	PGY	-	-	43.1	08/19	25	1
AVX45ANRR (E)	AgVenture	-	-	42.9	08/19	27	1
DG 4340RR	Delta Grow	-	-	42.7	08/19	22	1
DKXTJ543 (E)	Delta King	-	-	42.4	08/19	24	1
RC 4464	Croplan Genetics	-	-	41.6	08/19	28	1
TVX44R401 (E)	Terral	-	-	41.4	08/17	23	1
E434NRR	Genesis	-	-	41.1	08/19	22	1
USG 7443nRR	USG	-	-	40.3	08/17	25	1
DKXTJ540 (E)	Delta King	-	-	39.0	08/20	25	1
435.RC	Schillinger	-	-	38.6	08/22	25	1
Overall Mean		35.5	33.5	46.7			
LSD (.10)		5.6	3.9	4.3			
Error degrees of freedom		70	52	98			
CV (%)		11.6	8.4	6.7			
R <sup>2</sup> (%)		68	50	75			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 32. Roundup Ready Maturity Group IV Late Soybeans Planted April 20, 2004, and Not Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
495.RC	Schillinger	-	-	59.8	08/29	31	1
DG 4970RR	Delta Grow	-	-	58.0	08/29	31	1
94B73	Pioneer	43.5	39.1	57.6	08/20	29	1
DKXTJ542 (E)	Delta King	-	-	54.8	08/28	31	1
AG4801	Asgrow	-	-	54.5	08/23	27	1
Armor 47-G7	Armor	38.6	34.1	52.1	08/19	27	1
DK4967RR	Delta King	-	26.9	50.8	08/18	27	1
RT 5130N	Southern States	-	-	50.7	08/28	24	1
DPX4891RR (E)	DPL	-	-	50.0	08/20	30	1
DG 4960RR	Delta Grow	-	34.2	49.8	09/01	21	1
5012RR/N	Garst	-	-	49.6	08/27	20	1
DG 3481NRR	Dyna-Gro	-	31.2	49.5	08/18	29	1
DP4933RR	DPL	37.5	34.7	49.1	08/28	35	2
DK 4763RR	Delta King	36.4	33.7	48.6	08/18	25	1
DG 4840RR	Delta Grow	-	-	48.4	08/24	27	1
DKXTJ502 (E)	Delta King	-	-	48.3	08/19	28	1
HBK R4724	Hornbeck	-	-	48.0	08/24	29	1
DG 4860RR	Delta Grow	35.9	28.3	47.9	08/22	27	1
DK4868RR	Delta King	35.4	34.6	47.8	08/18	28	1
DKXTJ503 (E)	Delta King	-	-	47.7	08/18	28	1
E484NRR	Genesis	-	-	47.2	08/23	29	1
HBK R4820	Hornbeck	36.3	30.7	47.1	08/24	31	1
Armor GP 474	Armor	-	32.1	46.7	08/22	28	1
TVX48R413 (E)	Terral	-	-	46.7	08/22	30	1
Genesis D491RR	Genesis	-	33.8	46.5	08/24	28	1
Progeny 4860RR	Progeny	-	35.4	46.4	08/30	20	1
MorSoy RT4993	MorSoy	-	33.9	46.1	08/24	29	1
XR48N20 (E)	Garst	-	-	46.0	08/21	30	1
Progeny 4949RR	Progeny	-	34.7	45.9	09/01	29	1
V48N5RR	Vigoro	-	-	45.9	08/21	26	1
DG 36M49	Dyna-Gro	-	30.7	45.8	08/24	29	1
MorSoy RT4802	MorSoy	-	27.9	45.8	08/22	27	1
Genesis D484RR	Genesis	-	31.0	45.2	08/19	31	1
MorSoy RT4809	MorSoy	38.3	34.3	45.1	08/23	29	1
TVX48RL27 (E)	Terral	-	-	45.1	08/27	31	1
PGY 4804RR (E)	PGY	-	-	45.1	08/24	34	1
USG 7494nRR	USG	-	-	44.8	08/24	30	1
SS RT517N	Southern States	36.7	31.0	44.6	09/01	26	1
USG 7484nRR	USG	-	-	44.5	08/24	29	1
FFR 4922RR	FFR	38.6	35.0	44.5	08/27	30	1
Armor 49-T3	Armor	-	-	44.3	08/26	26	1
AG4903	Asgrow	-	-	44.2	08/25	26	1
DP4724RR	DPL	-	27.3	43.8	08/22	30	1
TVX48RM27 (E)	Terral	-	-	43.5	08/27	31	1
USG 7482nRR	USG	-	-	43.5	08/21	27	1
RC 4842	Croplan Genetics	-	-	43.3	08/19	27	1
USG 7499nRR	USG	-	-	42.9	08/21	29	1
AV49J7NRR	AgVenture	-	-	42.5	08/26	25	1
HBK R4924	Hornbeck	-	-	41.8	08/29	31	1
AG4902	Asgrow	37.8	28.8	41.7	08/22	29	1
TVX48RN27 (E)	Terral	-	-	41.6	08/27	31	1
NK S49-Q9	NK	42.1	34.0	41.6	08/30	30	1
94M90	Pioneer	-	-	41.6	08/24	28	1
Progeny 4932RR	Progeny	39.4	33.0	41.4	08/29	35	2
SS-RT 5001N	Southern States	39.3	31.8	40.9	09/01	24	1
SS RT 4902	Southern States	37.5	33.3	40.8	08/31	35	1
4999RR/N	Garst	-	-	40.4	08/29	33	1
DKXTJ548 (E)	Delta King	-	-	40.3	08/24	28	1
S02-677 (E)	Public	-	-	39.0	08/25	34	1
Progeny 4858RR	Progeny	-	-	38.8	08/23	26	1
4888RR	Garst	-	-	38.6	08/25	32	1
DKXTJ549 (E)	Delta King	-	-	37.6	08/25	32	1
TV49R12	Terral	-	30.9	37.1	08/26	37	1
DKXTJ54X9 (E)	Delta King	-	-	37.0	08/23	29	1
SS RT4980	Southern States	35.1	25.2	36.8	08/26	28	2
S02-683 (E)	Public	-	-	36.5	08/29	35	1
TVX49R302 (E)	Terral	-	-	35.6	08/27	34	1
DKXTJ448 (E)	Delta King	-	-	35.0	08/23	35	1
Armor GP 499	Armor	-	-	34.9	08/25	31	1
HBK R4945CX	Hornbeck	-	-	34.4	08/19	32	1
SG498RR	DPL	34.3	28.0	33.3	08/28	28	1
DKXTJ54J9 (E)	Delta King	-	-	31.0	08/29	35	1
TSR47RT6 (E)	Terral	-	-	29.9	08/28	33	1
Progeny 4703RR	Progeny	-	25.7	27.8	08/28	37	1
ESXVT-17RR (E)	Eagle Seed	-	18.0	22.7	09/01	38	2
Overall Mean		37.0	30.1	43.8			
LSD (.10)		5.3	3.2	4.9			
Error degrees of freedom		92	104	148			
CV (%)		10.5	7.8	7.2			
R <sup>2</sup> (%)		59	84	87			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 33. Roundup Ready Maturity Group V Early Soybeans Planted April 28, 2004, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
5225RR	Garst	-	-	46.0	09/18	23	1
DG 33B52	Dyna-Gro	-	69.6	44.9	09/16	20	1
DK 5161RR	Delta King	-	67.7	43.9	09/16	23	1
USG 7524nRR	USG	-	61.3	43.3	09/13	30	1
DKB51-51	DEKALB	-	62.3	42.1	09/11	27	1
Armor GP 513	Armor	-	66.6	41.9	09/15	25	1
AV 50D2NRR	AgVenture	-	-	41.5	09/08	29	1
DK 5668RR	Delta King	68.0	70.9	39.5	09/16	21	1
DP5414RR	DPL	65.8	67.4	39.2	09/15	25	1
DG 3562NRR	Dyna-Gro	65.7	71.1	39.1	29/17	22	1
HBK R5624	Hornbeck	-	-	38.9	09/14	21	1
DP5634RR	DPL	69.6	69.0	37.8	09/22	26	1
DG 3535NRR	Dyna-Gro	73.7	69.4	37.6	09/21	23	1
DK 5366RR	Delta King	74.5	71.7	37.6	09/21	22	1
MorSoy RT5620	MorSoy	67.7	73.3	37.6	09/17	20	1
FFR 5033RR	FFR	-	-	37.6	09/16	23	1
AG5402	Asgrow	-	-	37.4	09/19	22	1
FFR 5663RR	FFR	-	-	37.4	09/16	24	1
DKXTJ505 (E)	Delta King	-	-	37.3	09/19	23	1
DG 5650RR	Delta Grow	-	68.0	37.2	09/16	22	1
PGY 5622RR	PGY	-	-	37.1	09/23	23	1
AG5501	Asgrow	73.2	69.6	37.0	09/16	23	1
V562NRR	Vigoro	-	72.5	36.8	09/23	27	1
HBK R5123	Hornbeck	-	57.2	36.8	09/16	35	1
TVX52R301 (E)	Terral	-	67.4	36.5	09/13	21	1
TVX56R405 (E)	Terral	-	-	36.4	09/23	23	1
NK S56-D7	NK	62.7	69.0	36.1	09/20	25	1
AV50J6NRR (E)	AgVenture	-	-	35.9	09/05	20	1
DKXTJ555 (E)	Delta King	-	-	35.7	09/18	19	1
USG 7514nRR	USG	-	-	35.5	09/13	21	1
DKXTJ554 (E)	Delta King	-	-	35.4	09/09	20	1
HBK R5620	Hornbeck	77.5	69.1	35.1	09/22	26	1
Progeny 5250RR	Progeny	68.6	66.1	35.1	09/13	18	1
RC 5555	Croplan Genetics	-	-	35.0	09/16	24	1
DK55T6RR (E)	Delta King	-	-	35.0	09/23	23	1
Progeny 5660RR	Progeny	75.7	69.8	34.9	09/21	22	1
95B43	Pioneer	75.0	68.5	34.9	09/13	23	1
RT 5540N	Southern States	-	-	34.4	09/16	21	1
RC 5003	Croplan Genetics	-	-	34.4	09/06	18	1
HBK R5524	Hornbeck	-	-	34.3	09/18	21	1
V55N5RR	Vigoro	-	-	34.2	09/16	25	1
Morsoy RT5204	Morsoy	-	-	34.1	09/12	21	1
TVX55RN23 (E)	Terral	-	-	34.1	09/18	22	1
Genesis D524RR	Genesis	-	65.1	33.9	09/09	20	1
S02-611 (E)	Public	-	-	33.9	09/10	23	1
HBK R5324	Hornbeck	-	-	33.8	09/11	20	1
DKB54-52	DEKALB	-	-	33.8	09/17	25	1
DG 5630RR	Delta Grow	72.5	69.1	33.7	09/22	24	1
Armor GP 530	Armor	-	-	33.6	09/13	23	1
5212RR/N	Garst	-	64.3	32.8	09/18	23	1
TVX55RL23 (E)	Terral	-	-	32.8	09/20	23	1
DG 5555RR	Delta Grow	-	-	32.5	09/20	22	1
MorSoy RT5252	MorSoy	67.6	65.0	32.5	09/12	20	1
TVX55RM23 (E)	Terral	-	-	32.4	09/18	22	1
SS RT 5302N	Southern States	70.5	66.6	32.3	09/17	23	1
Armor 56-J6	Armor	76.8	71.7	32.3	09/21	25	1
HBK R5422	Hornbeck	64.7	66.7	32.1	09/21	26	1
TV56R11	Terral	75.1	68.6	31.9	09/21	27	1
SS RT557N	Southern States	70.5	61.9	31.5	09/16	22	1
MorSoy RT5553	MorSoy	-	66.9	31.5	09/17	24	1
ESXVT-19RR (E)	Eagle Seed	-	63.3	30.9	09/22	24	1
USG 510nRR	USG	-	-	30.8	09/13	23	1
USG 7553nRR	USG	-	63.2	30.8	09/14	25	1
USG 7523nRR	USG	-	-	30.7	09/16	25	1
DG 5610RR	Delta Grow	-	-	30.6	09/15	20	1
DG 5260RR	Delta Grow	-	65.4	30.5	09/14	20	1
PGY 5404RR (E)	PGY	-	-	30.3	09/17	20	1
TV56R12	Terral	-	59.1	30.3	09/16	25	1
AV52T2NRR	AgVenture	-	-	30.1	09/18	26	1
AG5605	Asgrow	-	63.6	29.6	09/14	20	1
FFR 5225RR	FFR	-	65.7	29.4	09/16	23	1
TVX55R403 (E)	Terral	-	-	29.3	09/12	23	1
Armor 54-03	Armor	-	-	28.9	09/11	19	1
Progeny 5503RR	Progeny	-	62.6	28.7	09/15	20	1
DG 5460RR	Delta Grow	-	62.4	28.3	09/13	20	1
SS RT 5602N	Southern States	-	61.2	27.6	09/16	17	1
5656RR/STS/N	Garst	-	-	27.1	09/12	20	1
545.RCP	Schillinger	-	-	24.7	09/15	16	1
NK S50-N3	NK	-	-	23.8	09/15	29	1
Overall Mean		67.3	65.3	34.5			
LSD (.10)		3.8	3.0	3.1			
Error degrees of freedom		120	135	156			
CV (%)		4.2	3.4	6.7			
R <sup>2</sup> (%)		88	86	84			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 34. Roundup Ready Maturity Group V Late Soybeans Planted April 28, 2004, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP 5808RR	DPL	-	-	41.3	09/27	20	1
TSR57RK8 (E)	Terral	-	-	39.9	09/18	19	1
DG SX04557 (E)	Dyna Gro	-	-	38.0	09/16	22	1
TV57R14	Terral	-	74.1	37.5	09/16	26	1
6112RR/N	Garst	-	71.3	37.4	09/25	25	1
DKB57-51	DEKALB	-	-	37.4	09/14	23	1
HBK XR561-04 (E)	Hornbeck	-	-	36.0	09/23	34	1
SS RT 5702N	Southern States	55.8	69.2	35.8	09/20	26	1
TV59R14	Terral	-	78.6	35.4	09/23	23	1
DKXTJ506 (E)	Delta King	-	-	35.1	09/24	17	1
Progeny 5703RR	Progeny	-	73.3	35.0	09/26	17	1
ES XVT46RR (E)	Eagle Seed	63.0	68.7	34.7	09/29	15	1
DG 38K57	Dyna-Gro	-	70.8	34.4	09/14	21	1
USG 7582nRR	USG	75.9	74.7	34.2	09/24	20	1
DK5767RR	Delta King	-	77.2	34.1	09/15	21	1
Progeny 5822RR	Progeny	80.0	75.2	34.1	09/24	18	1
Armor 58-V8	Armor	-	76.1	33.9	09/24	20	1
DG 3583NRR	Dyna-Gro	79.2	74.8	33.7	09/23	20	1
5924RR/N	Garst	-	77.0	33.7	09/24	20	1
MorSoy RT5903	MorSoy	-	74.8	33.7	09/24	21	1
AG5701	Asgrow	71.1	74.7	33.6	09/20	24	1
TV62R11	Terral	-	67.8	33.6	09/25	18	1
DK5967RR	Delta King	-	70.1	33.5	09/24	20	1
DKB58-51	DEKALB	-	-	32.9	09/18	22	1
MorSoy RT5773	MorSoy	-	75.0	32.6	09/18	25	1
95M80	Pioneer	-	-	32.4	09/15	25	1
RC 5972	Croplan Genetics	-	-	32.0	09/24	19	1
TSR59RQ3 (E)	Terral	-	-	31.6	10/01	18	1
DG 5960RR	Delta Grow	79.5	75.9	31.4	09/25	23	1
HBK R5924	Hornbeck	-	-	31.3	09/22	24	1
ESXVT-41RR (E)	Eagle Seed	-	71.4	30.9	09/30	18	1
USG 570nRR	USG	74.3	78.4	30.6	09/22	28	1
5812RR/N	Garst	-	66.0	30.5	09/21	24	1
TV58R12	Terral	-	63.0	28.5	09/24	22	1
AG5903	Asgrow	75.4	76.2	28.1	09/25	23	1
AG5905	Asgrow	-	-	27.7	09/22	25	1
AV 57D7RR	AgVenture	-	-	27.4	09/17	16	1
TVX57R408 (E)	Terral	-	-	26.4	09/15	17	1
DP5915RR	DPL	73.4	72.2	26.3	09/26	21	1
PGY 5714RR (E)	PGY	-	-	26.1	09/24	19	1
DP5806 RR	DPL	49.8	60.6	26.1	09/26	27	1
95B96	Pioneer	73.8	71.1	25.6	09/21	23	1
SS RT 5999N	Southern States	61.4	66.0	24.8	09/22	22	1
ESXVT-34RR (E)	Eagle Seed	-	67.0	22.4	10/02	21	1
RT 5730N	Southern States	-	-	21.7	09/18	12	1
DG SX04159 (E)	Dyna Gro	-	-	15.3	10/01	36	1
Overall Mean		63.1	70.9	31.7			
LSD (.10)		4.8	5.2	7.3			
Error degrees of freedom		64	94	90			
CV (%)		5.6	5.4	16.9			
R <sup>2</sup> (%)		94	75	58			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.



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

## Location Summary

Overall weather conditions were good for favorable soybean production. Timely rainfall in May and June was almost perfect for the nonirrigated plots, and irrigation

was not required in irrigated plots until the middle of July. Yields for both tests were good, with the nonirrigated test far surpassing expected yields.

Soil type	Sharkey clay
Soil pH	6.8
Soil fertility	P=H; K=H
Fertilizer added	None
Herbicide application	Preemergence – Nonirrigated – Roundup Ready Weathermax @ 22 oz/A on 4-20-04 Postemergence – Nonirrigated – Roundup Ready Weathermax @ 22 oz/A on 5-4-04 Preplant – Irrigated – Conventional/Roundup Ready - Weathermax @ 22 oz/A + Valor @ 2 oz/A + Dual Magnum II @ 1.5 pt/A on 4-14-04 Postemergence – Irrigated - Conventional - First Rate @ 0.3 oz/A + Select @ 10 oz/A + COC on 5-4-04 Roundup Ready – Roundup Weathermax @ 22 oz/A on 5-4-04
Insecticide/Fungicide	Quadris @ 4 oz/A + Dimlin @ 2 oz/A + Karate Z @ 1.6 oz/A (Irrigated)
Irrigation	July 14, August 9, September 1, and September 8
Planting date	Group III RR Nonirr., Group IV Early & IV Late RR Nonirr. – April 20; All Others – April 29
Harvest date	Group III RR Nonirr. & IV Early RR Nonirr. – August 26 Group IV Late RR Nonirr. - September 7 Group IV Irr. Conv. & IV Early & IV Late RR Irr. – September 21 Group V Early Conv. Irr. & V Early RR – October 6 Group V Late Conv. Irr. & V Late RR – November 10

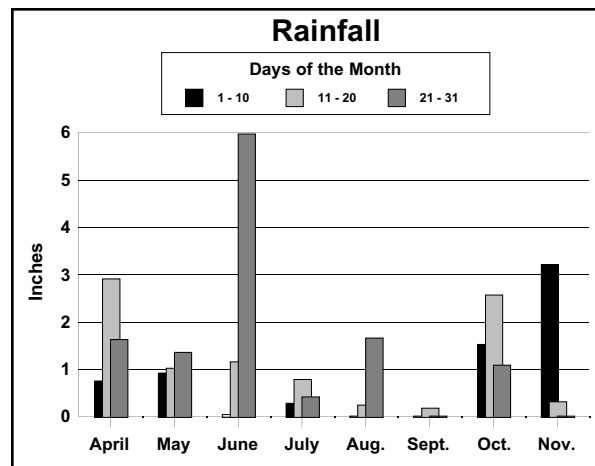
Table 35. Maturity Group IV Soybeans Planted April 29, 2004, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DT99-17048 (E)	Public	-	-	66.2	09/20	24	1
R98-1817 (E)	Public	-	62.9	63.4	09/20	18	1
DT97-4290 (E)	Public	-	38.2	62.0	09/13	32	1
DP4748S	DPL	74.7	56.6	61.1	09/13	36	1
S00-9925-10 (E)	Public	-	-	60.5	09/20	17	1
Progeny 4910	Progeny	81.1	50.2	57.2	09/17	35	1
DT98-7278 (E)	Public	75.8	55.8	55.8	09/20	20	1
DT98-9102 (E)	Public	70.4	50.2	40.8	09/10	20	1
Overall Mean		75.2	50.9	58.4			
LSD (.10)		7.9	12.6	6.1			
Error degrees of freedom		10	8	14			
CV (%)		7.1	13.5	7.3			
R <sup>2</sup> (%)		64	72	84			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

# Rainfall Summary

	Inches
April .....	5.29
May .....	3.29
June .....	7.19
July .....	1.53
August .....	1.92
September .....	0.23
October .....	5.19
November .....	3.55
<b>Total .....</b>	<b>28.19</b>



**Table 36. Maturity Group V Early Soybeans Planted April 29, 2004, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DB00-002 (E)	Public	-	-	74.7	09/24	22	1
DB00-087 (E)	Public	-	-	69.2	09/27	24	1
USG 5002T	PVP	-	71.5	69.2	09/25	22	1
DB00-138 (E)	Public	-	-	67.5	09/27	24	1
DP5110S	DPL	75.6	73.3	67.0	09/13	32	1
Ozark	Public	-	65.1	64.7	09/27	23	1
S00-9970-08 (E)	Public	-	-	64.5	09/25	25	1
USG 5601T	PVP	-	61.0	60.1	09/27	20	1
Teejay	Public	-	78.7	59.5	09/27	24	1
S00-9979-09 (E)	Public	-	-	58.7	09/27	24	1
DB00-155 (E)	Public	-	-	56.2	09/24	16	1
DB00-141 (E)	Public	-	-	55.8	09/27	25	1
DB00-173 (E)	Public	-	-	54.7	09/24	23	1
Delsoy 5500	Public	-	70.2	53.7	09/27	23	1
Anand	Public	-	44.9	53.1	09/27	17	1
Overall Mean		72.5	66.1	61.9			
LSD (.10)		7.4	14.5	4.6			
Error degrees of freedom		10	13	28			
CV (%)		6.9	12.4	5.4			
R <sup>2</sup> (%)		31	73	86			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 37. Maturity Group V Late Soybeans Planted April 29, 2004, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK C5894	Hornbeck	-	-	77.3	09/30	31	2
Freedom	Public	73.0	53.2	76.9	09/28	28	2
DKXTJ458 (E)	Delta King	-	-	67.5	10/08	32	2
PGY 5770 (E)	PGY	-	-	63.8	10/08	18	1
DT98-11850 (E)	Public	-	61.8	57.5	09/29	20	1
DT99-17574 (E)	Public	-	46.4	54.0	09/26	27	1
Hutcheson	Public	68.6	70.2	52.8	09/30	21	1
DK 5995	Delta King	73.0	71.2	52.6	09/26	21	1
R97-1634 (E)	Public	-	-	46.5	09/24	22	1
Bolivar	Public	75.1	51.2	40.7	09/22	28	2
Overall Mean		73.3	59.8	59.0			
LSD (.10)		6.0	15.5	4.8			
Error degrees of freedom		18	13	18			
CV (%)		5.8	14.6	5.9			
R <sup>2</sup> (%)		78	80	95			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 38. Roundup Ready Maturity Group IV Early Soybeans Planted April 29, 2004, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DKXTJ446 (E)	Delta King	-	-	57.6	09/13	35	1
4612RRR/N	Garst	-	52.9	57.2	09/13	27	1
TSR46RA5(E)	Terral	-	-	55.2	09/10	30	1
SS RT 4502N	Southern States	66.1	43.0	55.1	09/08	30	1
TVX45RL21 (E)	Terral	-	-	51.8	09/08	30	1
TVX45RM21 (E)	Terral	-	-	51.3	09/08	33	1
DP4546RR	DPL	72.7	45.7	51.0	09/13	26	1
TVX45RN21 (E)	Terral	-	-	48.0	09/08	32	1
S02-679 (E)	Public	-	-	47.6	09/08	33	1
HBK R4623	Hornbeck	-	48.8	47.4	09/10	29	1
USG 7434nRR	USG	-	-	46.7	09/13	19	1
AG4201	Asgrow	60.8	37.8	45.6	09/10	23	1
AV46J5NRR	AgVenture	-	-	45.4	09/10	21	1
HBK R4023	Hornbeck	-	-	43.3	09/08	27	1
NK S43-B1	NK	-	39.1	42.9	09/10	26	1
94M41	Pioneer	-	30.4	41.9	09/13	25	1
DKB46-51	DEKALB	-	34.9	41.9	09/08	28	1
DKXTJ545 (E)	Delta King	-	-	41.7	09/13	25	1
AG4502	Asgrow	-	49.0	41.7	09/15	26	1
Armor 44-R5	Armor	57.2	41.2	41.0	09/15	19	1
465.RC	Schillinger	-	-	40.9	09/13	25	1
AG4403	Asgrow	77.3	44.2	39.5	09/10	26	1
DKXTJ501 (E)	Delta King	-	-	39.2	09/10	26	1
AG4603	Asgrow	73.2	44.8	38.7	09/15	25	1
DK 4461RR	Delta King	69.9	36.3	38.7	09/10	27	1
RC 4233	Croplan Genetics	-	-	38.5	09/13	27	1
USG 7440nRR	USG	76.3	47.6	38.0	09/13	24	1
DG 3463NRR	Dyna-Gro	65.9	48.0	37.8	09/08	27	1
Progeny 4401RR	Progeny	72.0	43.2	37.5	09/10	24	1
DG 3443NRR	Dyna-Gro	78.1	41.6	37.3	09/10	25	1
DKB44-51	DEKALB	-	42.4	36.6	09/10	27	1
AVX45ANRR (E)	AgVenture	-	-	36.0	09/10	25	1
DP4331RR	DPL	74.1	31.5	35.3	09/10	25	1
DG 4630RR	Delta Grow	-	-	34.2	09/08	26	1
435.RC	Schillinger	-	-	34.0	09/13	27	1
DKXTJ543 (E)	Delta King	-	-	33.4	09/10	19	1
Genesis C444RR	Genesis	76.8	41.5	32.8	09/08	23	1
PGY 4604RR (E)	PGY	-	-	31.9	09/10	25	1
Armor 44-R4	Armor	65.4	52.0	31.9	09/10	25	1
E434NRR	Genesis	-	-	31.8	09/13	16	1
TVX46R401 (E)	Terral	-	-	31.1	09/10	24	1
DG 4340RR	Delta Grow	-	-	30.7	09/13	20	1
USG 7443nRR	USG	-	-	30.6	09/10	17	1
PGY 4304RR (E)	PGY	-	-	30.6	09/10	16	1
DKXTJ546 (E)	Delta King	-	-	30.5	09/08	23	1
DKXTJ540 (E)	Delta King	-	-	30.0	09/10	28	1
TVX44R401 (E)	Terral	-	-	29.3	09/10	18	1
AG4102	Asgrow	-	-	29.3	09/10	22	1
RC 4464	Croplan Genetics	-	-	29.1	09/13	18	1
DKXTJ541 (E)	Delta King	-	-	26.2	09/06	18	1
Overall Mean		68.5	43.0	39.5			
LSD (.10)		6.4	14.1	5.8			
Error degrees of freedom		70	26	98			
CV (%)		6.9	19.3	10.8			
R <sup>2</sup> (%)		78	57	85			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 39. Roundup Ready Maturity Group IV Late Soybeans Planted April 29, 2004, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DKXTJ448 (E)	Delta King	-	-	65.8	09/15	35	1
TVX48RN27 (E)	Terral	-	-	63.2	09/18	32	1
ESXVT-17RR (E)	Eagle Seed	-	65.6	63.2	09/25	38	2
SS RT 4902	Southern States	77.1	62.2	61.3	09/20	35	1
FFR 4922RR	FFR	82.1	66.5	60.7	09/18	35	1
TV49R12	Terral	-	61.9	60.0	09/13	35	1
Progeny 4932RR	Progeny	80.8	49.3	59.6	09/17	37	1
TVX48RL27 (E)	Terral	-	-	57.9	09/18	33	1
TVX48RM27 (E)	Terral	-	-	57.7	09/18	34	1
MorSoy RT4802	MorSoy	-	53.5	56.8	09/10	29	1
DKXTJ542 (E)	Delta King	-	-	56.5	09/24	28	1
Armor GP 499	Armor	-	-	56.4	09/16	31	1
DP4933RR	DPL	79.2	62.4	56.2	09/15	35	1
Progeny 4949RR	Progeny	-	59.0	56.1	09/20	32	1
DPX4891RR (E)	DPL	-	-	55.7	09/12	28	1
4999RR/N	Garst	-	-	55.1	09/18	33	1
DKXTJ503 (E)	Delta King	-	-	54.3	09/13	28	1
MorSoy RT4993	MorSoy	-	60.7	54.3	09/17	28	1
AG4903	Asgrow	-	-	53.9	09/13	29	1
S02-683 (E)	Public	-	-	53.9	09/16	34	1
Genesis D484RR	Genesis	-	60.1	53.6	09/08	27	1
XR48N20 (E)	Garst	-	-	53.5	09/13	28	1
TVX48R413 (E)	Terral	-	-	53.4	09/16	27	1
DG 4970RR	Delta Grow	-	-	53.4	09/24	27	1
SG498RR	DPL	76.3	63.2	53.2	09/10	28	1
V48N5RR	Vigoro	-	-	53.0	09/17	23	1
94B73	Pioneer	71.5	54.0	52.8	09/13	25	1
DK4967RR	Delta King	-	60.8	52.5	09/10	29	1
USG 7484nRR	USG	-	-	52.0	09/16	30	1
495.RC	Schillinger	-	-	51.8	09/23	29	1
HBK R4924	Hornbeck	-	-	51.6	09/17	34	1
RC 4842	Croplan Genetics	-	-	51.3	09/10	29	1
USG 7482nRR	USG	-	-	51.3	09/10	27	1
DG 3481NRR	Dyna-Gro	-	56.8	51.2	09/13	28	1
DG 4840RR	Delta Grow	-	-	51.0	09/10	29	1
DG 4860RR	Delta Grow	74.2	63.6	50.8	09/08	26	1
Genesis D491RR	Genesis	-	64.2	50.7	09/16	28	1
4888RR	Garst	-	-	50.0	09/18	34	1
S02-677 (E)	Public	-	-	49.8	09/13	35	1
DP4724RR	DPL	-	54.7	49.6	09/08	27	1
Progeny 4860RR	Progeny	-	63.6	49.5	09/17	21	1
E484NRR	Genesis	-	-	49.4	09/17	28	1
Armor GP 474	Armor	-	71.5	48.7	09/16	29	1
PGY 4804RR (E)	PGY	-	-	48.7	09/13	29	1
DG 36M49	Dyna-Gro	-	62.7	48.5	09/13	30	1
DK4868RR	Delta King	79.2	55.4	48.3	09/10	28	1
USG 7494nRR	USG	-	-	48.1	09/17	29	1
AG4902	Asgrow	75.0	63.2	47.6	09/13	27	1
TSR47RT6 (E)	Terral	-	-	47.5	09/13	32	1
NK S49-Q9	NK	79.3	55.6	47.4	09/24	31	1
Armor 49-T3	Armor	-	-	46.8	09/10	26	1
DKXTJ549 (E)	Delta King	-	-	46.7	09/16	35	1
DKXTJ548 (E)	Delta King	-	-	46.6	09/18	28	1
TVX49R302 (E)	Terral	-	-	46.3	09/20	33	1
5012RR/N	Garst	-	-	46.3	09/20	20	1
HBK R4820	Hornbeck	80.2	60.3	46.1	09/08	28	1
DKXTJ54J9 (E)	Delta King	-	-	45.9	09/18	33	1
MorSoy RT4809	MorSoy	79.7	55.0	45.8	09/10	31	1
Armor 47-G7	Armor	72.3	36.2	45.3	09/08	24	1
SS RT517N	Southern States	68.3	55.4	44.9	09/16	20	1
AV49J7NRR	AgVenture	-	-	44.9	09/15	27	1
HBK R4724	Hornbeck	-	-	44.4	09/16	28	1
SS RT4980	Southern States	79.7	63.4	43.8	09/15	30	1
94M90	Pioneer	-	-	43.3	09/13	23	1
DK 4763RR	Delta King	67.6	50.8	43.1	09/08	23	1
DG 4960RR	Delta Grow	-67.5	-	42.7	09/17	20	1
RT 5130N	Southern States	-	-	41.4	09/16	18	1
USG 7499nRR	USG	-	-	41.4	09/13	28	1
Progeny 4858RR	Progeny	-	-	41.0	09/10	31	1
DKXTJ502 (E)	Delta King	-	-	39.9	09/08	28	1
AG4801	Asgrow	-	-	39.1	09/13	25	1
SS-RT 5001N	Southern States	73.9	55.6	38.4	09/21	23	1
Progeny 4703RR	Progeny	-	53.3	37.2	09/17	38	1
DKXTJ54X9 (E)	Delta King	-	-	35.3	09/10	31	1
HBK R4945CX	Hornbeck	-	-	31.5	09/12	28	1
Overall Mean		73.5	57.9	50.0			
LSD (.10)		5.8	13.0	5.5			
Error degrees of freedom		92	52	148			
CV (%)		5.8	13.4	8.1			
R <sup>2</sup> (%)		74	63	82			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 40. Roundup Ready Maturity Group V Early Soybeans Planted April 29, 2004 and irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
FFR 5663RR	FFR	-	-	68.4	10/01	24	1
Armor GP 513	Armor	-	63.8	66.9	09/28	21	1
5225RR	Garst	-	-	66.1	09/28	22	1
DG 33B52	Dyna-Gro	-	77.3	64.6	09/26	22	1
DK 5161RR	Delta King	-	73.4	63.8	09/30	25	1
DKXTJ555 (E)	Delta King	-	-	61.8	10/01	23	1
HBK R5624	Hornbeck	-	-	61.4	09/24	25	1
DK 5668RR	Delta King	69.9	73.5	61.1	09/28	24	1
Armor GP 530	Armor	-	-	60.6	09/26	26	1
TVX56R405 (E)	Terral	-	-	60.5	09/30	22	1
DG 5610RR	Delta Grow	-	-	60.3	10/01	17	1
Progeny 5250RR	Progeny	70.6	66.1	60.1	09/26	19	1
MorSoy RT5252	MorSoy	64.5	70.7	59.3	09/28	20	1
MorSoy RT5620	MorSoy	74.4	71.6	59.2	09/30	23	1
Genesis D524RR	Genesis	-	66.7	59.0	09/26	18	1
DG 3562NRR	Dyna-Gro	71.2	73.1	58.1	09/30	21	1
DKXTJ554 (E)	Delta King	-	-	57.8	09/20	22	1
NK S56-D7	NK	69.8	69.4	57.6	09/28	23	1
HBK R5422	Hornbeck	63.6	62.2	57.0	09/26	25	1
DP5634RR	DPL	73.4	64.9	57.0	06/26	25	1
AG5402	Asgrow	-	-	56.8	09/26	28	1
USG 7524nRR	USG	-	60.8	56.7	09/20	41	1
ESXVT-19RR (E)	Eagle Seed	-	58.1	55.3	09/30	21	1
5212RR/N	Garst	-	59.1	54.7	09/28	27	1
DK 5366RR	Delta King	76.5	69.4	54.6	09/24	26	1
PGY 5622RR (E)	PGY	-	-	54.5	10/04	24	1
FFR 5225RR	FFR	-	65.6	54.3	09/27	21	1
95B43	Pioneer	72.2	72.8	54.1	09/24	23	1
Progeny 5660RR	Progeny	62.6	64.6	53.4	09/27	25	1
DKB51-51	DEKALB	-	68.4	53.1	09/20	30	1
SS RT 5602N	Southern States	-	40.9	53.1	09/28	17	1
DK5516RR (E)	Delta King	-	-	52.4	10/02	20	1
AV52T2NRR	AgVenture	-	-	52.2	09/27	23	1
V562NRR	Vigoro	-	69.0	52.1	09/24	27	1
DKXTJ505 (E)	Delta King	-	-	51.5	09/24	25	1
TV56R12	Terral	-	55.5	50.9	09/26	31	1
HBK R5620	Hornbeck	79.9	68.7	50.8	06/26	30	1
Armor 56-J6	Armor	74.9	64.2	50.7	09/27	28	1
HBK R5123	Hornbeck	-	64.4	50.6	09/22	40	1
AV 50D2NRR	AgVenture	-	-	50.5	09/20	28	1
USG 7553nRR	USG	-	66.4	50.2	09/28	22	1
S02-611 (E)	Public	-	-	50.2	09/24	25	1
SS RT 5302N	Southern States	68.9	64.2	50.1	09/26	22	1
USG 7514nRR	USG	-	-	49.9	09/27	23	1
DG 5460RR	Delta Grow	-	69.6	49.9	09/27	20	1
TV56R11	Terral	72.5	61.7	49.8	09/28	29	1
AG5501	Asgrow	67.5	69.6	49.6	09/26	24	1
USG 7523nRR	USG	-	-	49.5	09/27	23	1
PGY 5404RR (E)	PGY	-	-	49.4	09/26	23	1
Morsoy RT5204	Morsoy	-	-	49.4	09/27	25	1
5656RR/STS/N	Garst	-	-	49.3	09/28	20	1
TVX52R301 (E)	Terral	-	60.5	49.2	09/26	25	1
TVX55R403 (E)	Terral	-	-	49.1	09/28	24	1
DG 5650RR	Delta Grow	-	70.6	49.1	10/01	22	1
AG5605	Asgrow	-	60.8	49.0	09/26	19	1
DG 5630RR	Delta Grow	79.0	71.5	48.7	09/28	26	1
DG 5555RR	Delta Grow	-	-	48.5	09/28	23	1
HBK R5524	Hornbeck	-	-	47.8	09/28	26	1
DG 5260RR	Delta Grow	-	58.4	47.5	09/27	23	1
TVX55RL23 (E)	Terral	-	-	47.5	09/28	24	1
TVX55RN23 (E)	Terral	-	-	47.4	09/28	23	1
RC 5555	Croplan Genetics	-	-	47.1	09/30	24	1
Progeny 5503RR	Progeny	-	65.9	47.1	09/28	22	1
DG 3535NRR	Dyna-Gro	73.8	60.5	46.3	09/24	27	1
Armor 54-03	Armor	-	-	45.9	09/26	21	1
DKB54-52	DEKALB	-	-	45.6	09/22	29	1
FFR 5033RR	FFR	-	-	44.7	09/20	17	1
TVX55RM23 (E)	Terral	-	-	44.6	09/30	26	1
MorSoy RT5553	MorSoy	-	64.4	43.8	09/30	30	1
SS RT557N	Southern States	70.3	67.1	43.7	09/24	24	1
RT 5540N	Southern States	-	-	43.7	09/27	26	1
HBK R5324	Hornbeck	-	-	43.2	09/24	15	1
V55N5RR	Vigoro	-	-	40.9	09/26	25	1
RC 5003	Croplan Genetics	-	-	40.8	09/20	22	1
545.RCP	Schillinger	-	-	40.5	10/01	15	1
USG 510nRR	USG	-	-	40.1	09/29	25	1
AV50J6NRR	AgVenture	-	-	39.1	09/20	18	1
DP5414RR	DPL	74.1	67.4	36.5	09/26	25	1
NK S50-N3	NK	-	-	36.5	09/22	32	1
Overall Mean		65.9	64.1	51.7			
LSD (.10)		8.7	10.7	5.3			
Error degrees of freedom		120	68	156			
CV (%)		9.7	10.0	7.6			
R <sup>2</sup> (%)		60	71	83			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 41. Roundup Ready Maturity Group V Late Soybeans Planted April 29, 2004 and irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK R5924	Hornbeck	-	-	74.1	10/02	26	1
DP 5808RR	DPL	-	-	70.7	10/02	22	1
TSR57RK8 (E)	Terral	-	-	70.1	09/28	26	2
ESXVT-41RR (E)	Eagle Seed	-	68.3	68.8	10/10	29	1
DG SX04557 (E)	Dyna Gro	-	-	68.6	10/01	21	1
TV62R11	Terral	-	61.3	66.2	10/08	23	1
6112RR/N	Garst	-	72.5	64.7	10/08	25	1
AV 57D7RR	AgVenture	-	-	64.5	10/04	22	1
ES XVT46RR (E)	Eagle Seed	66.2	66.6	62.6	10/05	25	1
DKB58-51	DEKALB	-	-	60.3	09/28	22	1
SS RT 5702N	Southern States	74.7	65.7	59.3	09/28	33	2
ESXVT-34RR (E)	Eagle Seed	-	74.5	58.7	10/10	33	1
95M80	Pioneer	-	-	58.0	09/30	23	1
Progeny 5822RR	Progeny	76.2	59.5	57.6	10/06	22	1
RC 5972	Croplan Genetics	-	-	57.2	10/06	22	1
DK5967RR	Delta King	-	69.9	56.8	10/06	20	1
AG5903	Asgrow	75.8	60.2	56.7	10/06	22	1
DKXTJ506 (E)	Delta King	-	-	55.7	10/06	23	1
DP5915RR	DPL	78.0	67.0	55.6	10/02	27	1
USG 7582nRR	USG	76.9	68.5	55.5	10/06	21	1
DG 5960RR	Delta Grow	75.5	63.8	55.4	10/06	22	1
5924RR/N	Garst	-	65.0	55.1	10/06	26	1
USG 570nRR	USG	73.7	67.2	54.4	09/28	27	1
TSR59RQ3 (E)	Terral	-	-	54.4	10/08	22	1
Progeny 5703RR	Progeny	-	69.3	54.3	09/30	20	1
TVX57R408 (E)	Terral	-	-	53.9	10/01	19	1
MorSoy RT5903	MorSoy	-	62.7	53.2	10/06	22	1
DKB57-51	DEKALB	-	-	52.9	09/28	26	1
DG 38K57	Dyna-Gro	-	66.1	52.9	09/28	21	1
TV58R12	Terral	-	67.6	52.8	10/01	29	1
MorSoy RT5773	MorSoy	-	58.0	51.2	10/04	22	1
SS RT 5999N	Southern States	70.3	56.2	51.1	10/02	30	1
TV59R14	Terral	-	63.8	50.9	10/06	21	1
DP5806 RR	DPL	65.9	57.3	50.8	10/04	29	2
TV57R14	Terral	-	67.2	50.2	09/28	22	1
RT 5730N	Southern States	-	-	50.1	10/01	20	1
DK5767RR	Delta King	-	67.0	47.2	09/30	25	1
AG5905	Asgrow	-	-	46.7	09/26	25	1
DG 3583NRR	Dyna-Gro	76.3	68.9	45.9	10/08	23	1
HBK XR561-04 (E)	Hornbeck	-	-	45.8	09/24	41	2
PGY 5714RR (E)	PGY	-	-	45.7	10/02	31	1
Armor 58-V8	Armor	-	63.2	45.1	10/06	23	1
5812RR/N	Garst	-	58.9	42.0	10/06	27	1
AG5701	Asgrow	75.8	59.7	40.6	09/24	21	1
DG SX04159 (E)	Dyna Gro	-	-	39.3	10/01	47	3
95B96	Pioneer	73.9	59.3	32.5	09/24	24	1
Overall Mean		70.9	63.5	54.7			
LSD (.10)		5.8	10.0	10.8			
Error degrees of freedom		62	47	90			
CV (%)		6.0	9.4	14.5			
R <sup>2</sup> (%)		75	66	66			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

# Location 2. Longshot Farm, Clarksdale (Nonirrigated)

## Location Summary

Overall weather conditions were good for favorable soybean production. Timely rainfall in May and June was

almost perfect for the nonirrigated plots. Yields for the nonirrigated test far surpassed expected yields.

Soil type	Sharkey clay
Soil pH	6.8
Soil fertility	P=H; K=H
Fertilizer added	None
Herbicide application	Preemergence – Nonirrigated – Roundup Ready Weathermax @ 22 oz/A on 4-20-04 Postemergence – Nonirrigated – Roundup Ready Weathermax @ 22 oz/A on 5-4-04
Planting date	Group III RR Nonirr., Group IV Early, & IV Late RR Nonirr. – April 20
Harvest date	Group III RR Nonirr. & IV Early RR Nonirr. – August 26 Group IV Late RR Nonirr. – September 7

## Rainfall Summary

	Inches
April	5.29
May	3.29
June	7.19
July	1.53
August	1.92
September	0.23
October	5.19
November	3.55
<b>Total</b>	<b>28.19</b>

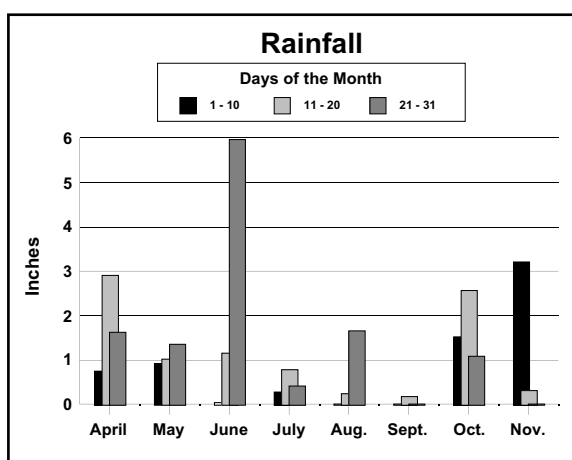


Table 42. Roundup Ready Maturity Group III Soybeans Planted April 20, 2004, and Not Irrigated (Longshot Farm, Coahoma County).<sup>1</sup>

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002 <sup>2</sup>	2003 <sup>2</sup>	2004			
		bu/A	bu/A	bu/A		in	
DP3861RR	DPL	-	-	64.7	08/18	25	1
DPX3950RR (E)	DPL	-	-	63.4	08/18	26	1
AG3906	Asgrow	-	-	61.8	08/19	20	1
Progeny 3900RR	Progeny	-	-	61.7	08/16	23	1
Armor 39-E9	Armor	-	-	59.8	08/16	20	1
93M90	Pioneer	-	-	59.3	08/18	23	1
TV39RS31	Terral	-	-	58.9	08/18	23	1
DK 3968RR	Delta King	-	-	58.1	08/13	23	1
AG3905	Asgrow	-	-	56.1	08/18	26	1
NK S39-K6	NK Brand	-	-	55.2	08/16	23	1
AG3802	Asgrow	-	-	53.5	08/16	22	1
DK 3964RR	Delta King	-	-	47.2	08/13	25	1
Armor GP 470	Armor	-	-	45.2	08/22	24	1
Overall Mean		-	-	57.3			
LSD (.10)		-	-	6.9			
Error degrees of freedom		-	-	24			
CV (%)		-	-	8.6			
R <sup>2</sup> (%)		-	-	72			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

<sup>2</sup>No 2- or 3-year yields.

**Table 43. Roundup Ready Maturity Group IV Early Soybeans Planted April 20, 2004,  
and Not Irrigated (Longshot Farm, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002 <sup>2</sup>	2003 <sup>2</sup>	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
465.RC	Schillinger	-	-	70.5	08/21	28	1
DKXTJ501 (E)	Delta King	-	-	67.8	08/24	25	1
USG 7440nRR	USG	-	-	67.5	08/24	26	1
DG 4630RR	Delta Grow	-	-	67.3	08/24	26	1
PGY 4604RR (E)	PGY	-	-	67.2	08/24	27	1
HBK R4023	Hornbeck	-	-	67.0	08/21	26	1
Genesis C444RR	Genesis	-	-	66.7	08/21	28	1
AG4201	Asgrow	-	-	66.6	08/23	22	1
Progeny 4401RR	Progeny	-	-	66.5	08/23	25	1
Armor 44-R5	Armor	-	-	66.3	08/21	22	1
DG 3443NRR	Dyna-Gro	-	-	66.0	08/24	29	1
DK 4461RR	Delta King	-	-	65.8	08/23	25	1
TVX46R401 (E)	Terral	-	-	65.3	08/24	26	1
DG 3463NRR	Dyna-Gro	-	-	65.3	08/21	29	1
USG 7434nRR	USG	-	-	64.6	08/21	19	1
DKB44-51	DEKALB	-	-	64.6	08/24	25	1
DKXTJ546 (E)	Delta King	-	-	63.9	08/26	28	1
4612RR/N	Garst	-	-	63.8	08/23	27	1
AG4403	Asgrow	-	-	62.8	08/23	27	1
AG4603	Asgrow	-	-	62.6	08/24	23	1
AVX45ANRR (E)	AgVenture	-	-	62.5	08/23	26	1
DG 4340RR	Delta Grow	-	-	62.3	08/20	23	1
DKXTJ545 (E)	Delta King	-	-	62.2	08/21	26	1
HBK R4623	Hornbeck	-	-	62.0	08/21	28	1
S02-679 (E)	Public	-	-	61.6	08/24	26	1
AV46J5NRR	AgVenture	-	-	61.5	08/23	25	1
DKB46-51	DEKALB	-	-	61.4	08/26	27	1
94M41	Pioneer	-	-	61.4	08/20	25	1
AG 4502	Asgrow	-	-	61.1	08/21	21	1
DP4331RR	DPL	-	-	60.8	08/23	26	1
TVX45RM21 (E)	Terral	-	-	60.0	08/21	30	1
AG4102	Asgrow	-	-	59.8	08/21	25	1
TVX45RN21 (E)	Terral	-	-	59.1	08/21	32	1
NK S43-B1	NK	-	-	58.6	08/21	25	1
TVX45RL21 (E)	Terral	-	-	58.3	08/20	28	1
TSR46RA5 (E)	Terral	-	-	58.2	08/24	29	1
DP4546RR	DPL	-	-	58.1	08/26	24	1
Armor 44-R4	Armor	-	-	57.6	08/21	27	1
SS RT 4502N	Southern States	-	-	56.8	08/24	25	1
435.RC	Schillinger	-	-	56.4	08/21	32	1
DKXTJ543 (E)	Delta King	-	-	56.4	08/16	30	1
USG 7443nRR	USG	-	-	56.0	08/18	21	1
E434NRR	Genesis	-	-	55.7	08/21	23	1
RC 4464	Croplan Genetics	-	-	55.4	08/18	23	1
PGY 4304RR (E)	PGY	-	-	55.1	08/20	22	1
DKXTJ540 (E)	Delta King	-	-	54.8	08/21	21	1
TVX44R401 (E)	Terral	-	-	53.8	08/20	25	1
RC 4233	Croplan Genetics	-	-	53.0	08/18	25	1
DKXTJ446 (E)	Delta King	-	-	52.2	08/21	29	1
DKXTJ541 (E)	Delta King	-	-	51.8	08/16	25	1
Overall Mean		-	-	61.2			
LSD (.10)		-	-	7.8			
Error degrees of freedom		-	-	98			
CV (%)		-	-	9.4			
R <sup>2</sup> (%)		-	-	61			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

<sup>2</sup>No 2- or 3-year yields.



**Table 44. Roundup Ready Maturity Group IV Late Soybeans Planted April 20, 2004, and Not Irrigated (Longshot Farm, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002 <sup>2</sup>	2003 <sup>2</sup>	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
495.RC	Schillinger	-	-	78.6	08/31	28	1
94B73	Pioneer	-	-	78.1	08/26	30	1
DKXTJ542 (E)	Delta King	-	-	75.0	08/31	30	1
DG 4970RR	Delta Grow	-	-	73.6	08/29	28	1
Genesis D484RR	Genesis	-	-	72.3	08/26	30	1
RT 5130N	Southern States	-	-	68.1	08/31	23	1
HBK R4724	Hornbeck	-	-	68.1	08/31	27	1
DG 4860RR	Delta Grow	-	-	67.9	08/24	28	1
DPX4891RR (E)	DPL	-	-	67.7	08/24	28	1
Progeny 4949RR	Progeny	-	-	67.1	08/31	38	1
S02-677 (E)	Public	-	-	66.4	08/26	31	1
Progeny 4860RR	Progeny	-	-	66.3	08/31	23	1
TVX48RM27 (E)	Terral	-	-	66.0	08/29	30	1
Genesis D491RR	Genesis	-	-	65.9	08/26	27	1
TVX48RL27 (E)	Terral	-	-	65.8	08/30	30	1
5012RR/N	Garst	-	-	65.6	09/03	23	1
XR48N20 (E)	Garst	-	-	65.5	08/24	27	1
Armor 49-T3	Armor	-	-	64.9	08/27	26	1
94M90	Pioneer	-	-	64.6	08/29	25	1
DG 3481NRR	Dyna-Gro	-	-	64.6	08/24	24	1
DG 4960RR	Delta Grow	-	-	64.4	08/31	25	1
DKXTJ503 (E)	Delta King	-	-	64.4	08/23	30	1
MorSoy RT4802	MorSoy	-	-	64.4	08/24	30	1
USG 7494nRR	USG	-	-	64.2	08/24	30	1
USG 7482nRR	USG	-	-	64.1	08/24	26	1
RC 4842	Croplan Genetics	-	-	63.7	08/24	29	1
DG 4840RR	Delta Grow	-	-	63.5	08/21	30	1
DKXTJ548 (E)	Delta King	-	-	63.2	08/26	28	1
AV49J7NRR	AgVenture	-	-	63.0	08/24	26	1
HBK R4820	Hornbeck	-	-	62.7	08/27	27	1
NK S49-Q9	NK	-	-	62.5	08/28	27	1
FFR 4922RR	FFR	-	-	62.4	08/27	43	2
HBK R4924	Hornbeck	-	-	62.3	08/31	26	1
DG 36M49	Dyna-Gro	-	-	62.3	08/21	30	1
DK4967RR	Delta King	-	-	61.8	08/21	25	1
DK 4763RR	Delta King	-	-	61.8	08/24	24	1
4999RR/N	Garst	-	-	61.7	09/03	30	1
TVX48R413 (E)	Terral	-	-	61.7	08/23	25	1
PGY 4804RR (E)	PGY	-	-	61.6	08/24	25	1
TVX48RN27 (E)	Terral	-	-	61.5	08/29	28	1
DKXTJ54J9 (E)	Delta King	-	-	61.3	08/27	26	1
Progeny 4858RR	Progeny	-	-	61.1	08/26	29	1
DK4868RR	Delta King	-	-	60.9	08/24	29	1
MorSoy RT4993	MorSoy	-	-	60.4	08/23	32	2
DKXTJ549 (E)	Delta King	-	-	60.3	08/27	29	2
DKXTJ502 (E)	Delta King	-	-	59.6	08/24	28	1
E484NRR	Genesis	-	-	59.4	08/26	25	1
SS-RT 5001N	Southern States	-	-	59.2	09/03	22	1
AG4902	Asgrow	-	-	59.2	08/27	26	1
USG 7484nRR	USG	-	-	58.7	08/24	28	1
Armor GP 474	Armor	-	-	58.7	08/24	26	1
SS RT4980	Southern States	-	-	58.3	08/24	28	1
TVX49R302 (E)	Terral	-	-	58.2	08/27	29	1
DP4724RR	DPL	-	-	57.7	08/25	30	1
AG4801	Asgrow	-	-	57.7	08/26	22	1
Armor GP 499	Armor	-	-	57.7	08/26	27	1
S02-683 (E)	Public	-	-	57.7	09/03	33	1
MorSoy RT4809	MorSoy	-	-	57.5	08/23	28	1
DKXTJ54X9 (E)	Delta King	-	-	57.3	08/26	32	1
Armor 47-G7	Armor	-	-	57.1	08/26	24	1
Progeny 4932RR	Progeny	-	-	57.0	08/31	38	2
AG4903	Asgrow	-	-	56.8	08/31	21	1
V48N5RR	Vigoro	-	-	56.3	08/26	26	1
DP4933RR	DPL	-	-	56.2	08/29	34	2
SS RT 4902	Southern States	-	-	55.9	08/29	38	2
SS RT517N	Southern States	-	-	55.5	09/03	22	1
HBK R4945CX	Hornbeck	-	-	55.4	08/27	29	1
SG498RR	DPL	-	-	55.1	08/31	22	1
4888RR	Garst	-	-	55.0	08/24	30	1
TV49R12	Terral	-	-	54.8	08/26	34	1
USG 7499nRR	USG	-	-	52.8	08/26	33	1
DKXTJ448 (E)	Delta King	-	-	50.6	08/27	31	1
TSR47RT6 (E)	Terral	-	-	49.7	08/31	34	1
Progeny 4703RR	Progeny	-	-	38.3	08/28	37	2
ESXVT-17RR (E)	Eagle Seed	-	-	32.8	09/06	43	2
Overall Mean		-	-	61.2			
LSD (.10)		-	-	7.6			
Error degrees of freedom		-	-	148			
CV (%)		-	-	9.2			
R <sup>2</sup> (%)		-	-	73			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

<sup>2</sup>No 2- or 3-year yields.

# Location 3. Todd Williams Farm, Olive Branch

## Location Summary

Rainfall in May delayed planting about 3 weeks. The test got off to a good start with warm, moist soil conditions at planting. Weed control in the plot area was delayed by June rainfall, but plots were sprayed in July and control

was excellent. Timely rainfall and below-normal temperatures produced very good yields. Harvest of the maturity group V tests was delayed by wet weather in October.

Soil type	Collins silt loam
Soil pH	6.0
Soil fertility	P=H+; K=H+
Fertilizer added	P <sub>2</sub> O <sub>5</sub> @ 10 lb/A; K <sub>2</sub> O @ 60 lb/A
Herbicide application	Preemergence – Conventional – Scepter @ 2.86 oz/A + Dual Magnum II @ 20 oz/A Roundup Ready – Dual Magnum II @ 20 oz/A on 5-26-04 Postemergence – Conventional – Classic @ .75 oz/A + Select @ 10 oz/A + COC on 4-12-04 & 4-22-04 Postemergence – Roundup Ready – Roundup Weathermax @ 22 oz/A on 4-12-04 & 4-22-04
Planting date	May 26
Harvest date	Group IV Early RR – September 29 Group IV Conv. & IV Late RR – October 7 Group V Conv. & RR – November 9

## Rainfall Summary

	Inches
May	6.04
June	3.91
July	3.10
August	2.96
September	0.25
October	6.16
<b>Total</b>	<b>22.42</b>

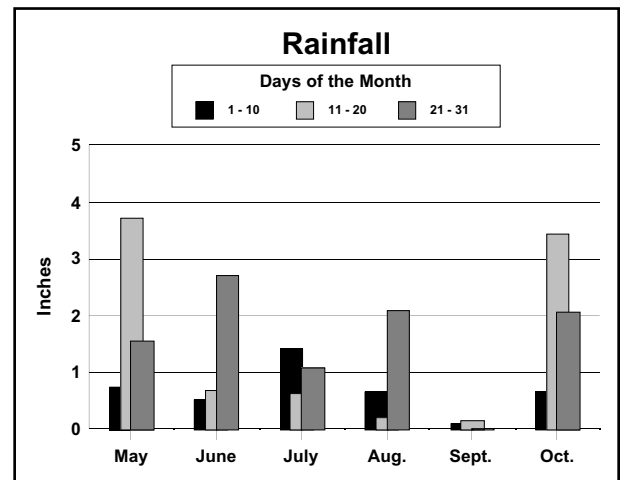


Table 45. Maturity Group IV Soybeans Planted May 26, 2004 (Todd Williams Farm, DeSoto County).<sup>1</sup>

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP4748S	DPL	40.0	61.0	66.5	10/07	40	2
R98-1817 (E)	Public	-	60.4	63.2	10/05	30	2
DT97-4290 (E)	Public	-	60.8	62.8	10/07	37	1
S00-9925-10 (E)	Public	-	-	60.1	10/07	32	3
Progeny 4910	Progeny	41.0	54.1	58.0	10/07	41	2
DT99-17048 (E)	Public	-	-	57.6	10/02	37	3
DT98-7278 (E)	Public	54.1	62.5	55.2	10/07	31	2
DT98-9102 (E)	Public	49.4	57.7	41.8	10/07	35	2
Overall Mean		44.0	57.3	58.2			
LSD (.10)		9.2	4.8	9.8			
Error degrees of freedom		10	16	14			
CV (%)		14.1	5.8	11.7			
R <sup>2</sup> (%)		61	79	65			

<sup>1</sup>Collins silt loam soil. (E) = Experimental.

**Table 46. Maturity Group V Early Soybeans Planted May 26, 2004 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
S00-9970-08 (E)	Public	-	-	62.0	10/09	36	4
Ozark	Public	-	61.5	55.2	10/04	27	2
S00-9979-09 (E)	Public	-	-	54.4	10/06	30	3
DP5110S	DPL	49.0	59.8	54.2	10/19	41	1
Anand	Public	-	70.5	54.0	10/08	26	1
USG 5601T	PVP	-	61.3	53.9	10/07	37	2
DB00-141 (E)	Public	-	-	53.6	10/07	30	1
DB00-173 (E)	Public	-	-	50.1	10/08	42	3
DB00-138 (E)	Public	-	-	50.0	10/25	34	2
DB00-155 (E)	Public	-	-	49.6	10/09	29	3
Delsoy 5500	Public	-	53.8	49.4	10/08	28	1
Teejay	Public	-	59.3	48.3	10/18	34	4
USG 5002T	PVP	-	67.3	47.6	10/09	27	4
DB00-002 (E)	Public	-	-	40.3	10/19	40	4
DB00-087 (E)	Public	-	-	31.5	10/23	35	5
Overall Mean		50.2	60.6	50.3			
LSD (.10)		7.9	5.8	8.6			
Error degrees of freedom		10	26	28			
CV (%)		10.6	6.8	12.4			
R <sup>2</sup> (%)		82	74	67			

<sup>1</sup>Collins silt loam soil. (E) = Experimental.

**Table 47. Maturity Group V Late Soybeans Planted May 26, 2004 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DKXTJ458 (E)	Delta King	-	-	57.5	10/09	38	2
HBK C5894	Hornbeck	-	-	53.9	10/18	36	3
PGY 5770 (E)	PGY	-	-	53.4	10/21	30	4
DK 5995	Delta King	61.6	56.4	51.7	10/18	35	4
DT98-11850 (E)	Public	-	49.9	47.9	10/09	30	2
Hutcheson	Public	-	39.5	44.2	10/08	36	4
Bolivar	Public	40.2	43.3	43.8	10/09	40	3
R97-1634 (E)	Public	-	-	41.2	10/10	32	3
DT99-17574 (E)	Public	-	44.1	39.4	10/26	40	4
Freedom	Public	54.2	48.5	37.9	10/28	33	4
Overall Mean		49.8	47.1	47.1			
LSD (.10)		8.4	7.2	8.1			
Error degrees of freedom		18	26	18			
CV (%)		12.0	11.0	12.2			
R <sup>2</sup> (%)		73	74	72			

<sup>1</sup>Collins silt loam soil. (E) = Experimental.

**Table 48. Roundup Ready Maturity Group IV Early Soybeans Planted May 26, 2004 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Armor 44-R5	Armor	59.8	68.4	68.4	09/26	30	1
PGY 4304RR (E)	PGY	-	-	67.2	09/19	34	1
DG 4340RR	Delta Grow	-	-	66.6	09/18	32	1
AG4502	Asgrow	-	63.0	65.5	09/24	32	1
TVX44R401 (E)	Terral	-	-	63.9	09/16	31	1
RC 4464	Croplan Genetics	-	-	63.2	09/24	29	1
AG4201	Asgrow	42.3	55.5	62.5	09/18	32	1
AV46J5NRR	AgVenture	-	-	61.7	09/26	27	1
E434NRR	Genesis	-	-	61.6	09/26	34	1
USG 7443nRR	USG	-	-	61.0	09/17	30	1
PGY 4604RR (E)	PGY	-	-	60.4	09/24	34	1
DG 4630RR	Delta Grow	-	-	59.9	09/26	35	1
DKXTJ543 (E)	Delta King	-	-	59.6	09/24	33	1
Genesis C444RR	Genesis	48.5	60.7	59.1	09/26	35	1
94M41	Pioneer	-	55.7	58.5	09/27	31	1
DP4331RR	DPL	53.8	57.0	58.3	09/23	32	1
Progeny 4401RR	Progeny	47.7	55.6	58.1	09/24	35	1
TVX46R401 (E)	Terral	-	-	58.1	09/24	33	1
DKXTJ545 (E)	Delta King	-	-	58.0	09/18	33	1
435.RC	Schillinger	-	-	57.9	09/24	34	1
DG 3443NRR	Dyna-Gro	49.9	58.0	57.9	09/26	36	1
DKB46-51	DEKALB	-	57.1	56.9	09/17	31	1
TVX45RN21 (E)	Terral	-	-	56.9	09/21	36	1
AVX45ANRR (E)	AgVenture	-	-	56.7	09/26	30	1
DKXTJ501 (E)	Delta King	-	-	56.3	09/18	33	1
DK 4461RR	Delta King	52.9	59.9	56.2	09/24	31	1
USG 7440nRR	USG	50.9	54.1	56.1	09/25	31	1
Armor 44-R4	Armor	54.2	58.6	56.0	09/25	33	1
DP4546RR	DPL	57.9	53.5	55.8	09/23	36	1
DKXTJ540 (E)	Delta King	-	-	55.7	09/28	35	1
4612RR/N	Garst	-	58.9	55.7	09/20	29	1
AG4102	Asgrow	-	-	55.4	09/15	36	1
HBK R4623	Hornbeck	-	58.2	55.2	09/20	38	1
SS RT 4502N	Southern States	52.7	56.2	55.0	09/26	35	1
USG 7434nRR	USG	-	-	55.0	09/20	29	1
DKXTJ446 (E)	Delta King	-	-	54.9	09/22	39	1
NK S43-B1	NK	-	50.1	54.9	09/18	34	1
TVX45RL21 (E)	Terral	-	-	54.2	09/20	31	1
AG4403	Asgrow	53.5	56.2	53.7	09/20	32	1
TSR46RA5 (E)	Terral	-	-	53.3	09/24	41	1
S02-679 (E)	Public	-	-	53.2	09/24	35	1
DKXTJ546 (E)	Delta King	-	-	53.1	09/26	32	1
HBK R4023	Hornbeck	-	-	53.0	09/17	31	1
DKB44-51	DEKALB	-	54.4	52.1	09/27	35	1
TVX45RM21 (E)	Terral	-	-	51.5	09/20	33	1
AG4603	Asgrow	43.3	54.6	51.2	09/25	32	1
DG 3463NRR	Dyna-Gro	39.5	52.6	50.8	09/25	34	1
DKXTJ541 (E)	Delta King	-	-	50.8	09/26	30	1
RC 4233	Croplan Genetics	-	-	50.0	09/24	32	1
465.RC	Schillinger	-	-	36.9	09/26	35	1
Overall Mean		47.2	57.4	56.9			
LSD (.10)		7.1	8.3	8.3			
Error degrees of freedom		70	52	98			
CV (%)		11.0	10.6	10.8			
R <sup>2</sup> (%)		76	61	55			

<sup>1</sup>Collins silt loam soil. (E) = Experimental.

**Table 49. Roundup Ready Maturity Group IV Late Soybeans Planted May 26, 2004 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TVX48R413 (E)	Terral	-	-	68.8	10/04	35	4
V48N5RR	Vigoro	-	-	68.3	10/05	35	2
HBK R4724	Hornbeck	-	-	65.8	10/01	38	2
94M90	Pioneer	-	-	64.1	09/26	41	2
USG 7484nRR	USG	-	-	64.1	10/02	33	4
XR48N20 (E)	Garst	-	-	62.9	10/03	34	4
DG 36M49	Dyna-Gro	-	62.4	62.7	10/02	36	4
USG 7499nRR	USG	-	-	62.4	09/26	36	2
DG 4970RR	Delta Grow	-	-	61.9	10/07	30	2
DG 4960RR	Delta Grow	-	64.5	61.9	10/07	33	1
Armor GP 474	Armor	-	59.9	61.8	09/26	32	4
DKXTJ54J9 (E)	Delta King	-	-	61.8	10/08	40	3
DP4724RR	DPL	-	55.9	61.7	10/07	32	1
Armor 47-G7	Armor	47.2	63.5	61.2	09/23	31	2
DKXTJ542 (E)	Delta King	-	-	61.2	10/07	42	4
Progeny 4858RR	Progeny	-	-	61.1	10/05	34	2
Armor GP 499	Armor	-	-	61.1	10/06	38	3
AV49J7NRR	AgVenture	-	-	60.9	09/21	31	2
TVX48RN27 (E)	Terral	-	-	60.6	09/18	34	4
NK S49-Q9	NK	48.2	58.3	60.6	10/07	40	1
USG 7494nRR	USG	-	-	60.3	09/20	31	4
Genesis D491RR	Genesis	-	64.5	59.7	10/04	35	4
DK4967RR	Delta King	-	63.1	59.5	09/19	32	1
4999RR/N	Garst	-	-	59.4	10/07	33	1
DK 4763RR	Delta King	48.1	64.3	59.4	10/06	39	3
94B73	Pioneer	55.0	58.0	59.4	09/06	32	4
Genesis D484RR	Genesis	-	62.8	59.0	10/01	36	2
TVX48RM27 (E)	Terral	-	-	58.9	10/06	33	1
495.RC	Schillinger	-	-	58.7	10/07	37	2
E484NRR	Genesis	-	-	58.2	09/20	36	4
DPX4891RR (E)	DPL	-	-	58.1	09/20	36	4
Progeny 4860RR	Progeny	-	58.4	58.1	10/07	33	3
TVX49R302 (E)	Terral	-	-	58.0	10/05	40	2
DKXTJ448 (E)	Delta King	-	-	57.9	10/02	38	3
TVX48RL27 (E)	Terral	-	-	57.8	10/02	30	1
DKXTJ503 (E)	Delta King	-	-	57.6	09/19	34	1
DKXTJ549 (E)	Delta King	-	-	57.4	10/08	39	4
MorSoy RT4802	MorSoy	-	63.6	57.3	10/02	29	1
MorSoy RT4993	MorSoy	-	56.8	57.2	09/21	31	3
DG 4840RR	Delta Grow	-	-	57.0	09/15	29	1
USG 7482nRR	USG	-	-	56.5	09/20	30	1
Progeny 4932RR	Progeny	38.5	52.7	56.2	10/02	42	2
S02-677 (E)	Public	-	-	56.1	10/07	40	1
TSR47RT6 (E)	Terral	-	-	56.1	10/05	37	3
AG4801	Asgrow	-	-	56.1	09/20	30	1
AG4902	Asgrow	50.5	53.1	55.7	10/01	34	1
S02-683 (E)	Public	-	-	55.4	10/05	42	2
4888RR	Garst	-	-	55.0	10/07	26	1
DP4933RR	DPL	41.3	55.1	54.8	10/05	39	2
Progeny 4949RR	Progeny	-	65.1	54.6	10/07	38	3
DKXTJ502 (E)	Delta King	-	-	53.4	10/07	31	2
AG4903	Asgrow	-	-	53.1	10/01	33	1
FFR 4922RR	FFR	38.1	53.6	53.1	10/02	42	3
SS RT4980	Southern States	52.0	49.5	53.0	10/02	31	1
DG 3481NRR	Dyna-Gro	-	53.5	52.9	10/07	34	1
5012RR/N	Garst	-	-	52.7	10/02	24	1
RT 5130N	Southern States	-	-	52.7	10/04	27	1
HBK R4924	Hornbeck	-	-	51.7	10/02	34	1
RC 4842	Croplan Genetics	-	-	51.5	09/19	24	1
TV49R12	Terral	-	52.6	51.3	10/05	45	3
SG498RR	DPL	45.9	49.0	51.1	10/07	30	1
ESXVT-17RR (E)	Eagle Seed	-	58.8	51.1	10/02	37	4
PGY 4804RR (E)	PGY	-	-	50.8	10/07	29	2
SS-RT 5001N	Southern States	50.1	51.6	50.4	10/07	36	2
SS RT517N	Southern States	38.4	54.1	49.9	10/07	34	2
HBK R4820	Hornbeck	35.9	60.1	49.8	10/04	40	1
DG 4860RR	Delta Grow	45.1	67.6	49.4	09/15	27	1
DKXTJ548 (E)	Delta King	-	-	49.0	09/15	36	2
MorSoy RT4809	MorSoy	45.7	55.9	46.4	10/02	32	2
DK4868RR	Delta King	45.2	57.0	46.0	10/02	38	2
DKXTJ54X9 (E)	Delta King	-	-	45.4	09/15	37	2
HBK R4945CX	Hornbeck	-	-	43.6	09/18	33	1
Armor 49-T3	Armor	-	-	42.5	09/17	38	2
SS RT 4902	Southern States	40.5	54.4	42.4	10/07	32	2
Progeny 4703RR	Progeny	-	45.2	37.2	10/07	40	2
Overall Mean		44.3	56.5	53.1			
LSD (.10)		6.9	6.3	8.4			
Error degrees of freedom		92	104	148			
CV (%)		11.5	8.2	11.1			
R <sup>2</sup> (%)		72	74	61			

<sup>1</sup>Collins silt loam soil. (E) = Experimental.

**Table 50. Roundup Ready Maturity Group V Early Soybeans Planted May 26, 2004 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK R5624	Hornbeck	-	-	61.2	10/21	36	3
DG 5650RR	Delta Grow	-	56.5	60.1	10/26	35	4
DKXTJ554 (E)	Delta King	-	-	59.4	10/07	30	1
RT 5540N	Southern States	-	-	58.7	10/08	40	3
DG 5260RR	Delta Grow	-	48.7	57.6	10/09	38	4
DG 5460RR	Delta Grow	-	55.4	56.3	10/10	34	1
DKXTJ555 (E)	Delta King	-	-	55.6	10/08	33	2
5225RR	Garst	-	-	55.4	10/10	34	4
HBK R5422	Hornbeck	56.9	53.1	55.1	10/09	45	3
MorSoy RT5553	MorSoy	-	62.3	55.0	10/10	43	3
TVX55R403 (E)	Terral	-	-	55.0	10/09	37	2
Progeny 5503RR	Progeny	-	63.2	54.4	10/19	34	2
FFR 5033RR	FFR	-	-	53.6	10/04	37	3
DKB54-52	DEKALB	-	-	53.1	10/08	40	2
RC 5555	Croplan Genetics	-	-	52.8	10/11	42	3
FFR 5663RR	FFR	-	-	52.6	10/07	34	2
DG 33B52	Dyna-Gro	-	57.3	52.5	10/08	28	4
5656RR/STS/N	Garst	-	-	51.8	10/10	36	2
AG5501	Asgrow	51.5	59.4	51.5	10/18	36	2
DG 3562NRR	Dyna-Gro	72.2	51.0	51.5	10/04	30	2
RC 5003	Croplan Genetics	-	-	51.0	10/09	41	3
DG 5610RR	Delta Grow	-	-	50.9	10/12	29	4
DK 5161RR	Delta King	-	50.8	50.9	10/10	32	4
PGY 5622RR (E)	PGY	-	-	50.9	10/24	35	2
TVX56R405 (E)	Terral	-	-	50.6	10/10	34	3
AV 50D2NRR	AgVenture	-	-	50.6	10/10	42	5
AG5605	Asgrow	-	62.1	50.4	10/19	32	1
TVX52R301 (E)	Terral	-	61.6	50.4	10/07	34	4
AV50J6NRR	AgVenture	-	-	50.2	10/11	34	3
DK55T6RR (E)	Delta King	-	-	50.0	10/08	40	4
SS RT557N	Southern States	42.1	45.8	49.7	10/06	42	3
V55N5RR	Vigoro	-	-	49.6	10/04	41	2
DP5414RR	DPL	51.3	59.2	49.6	10/24	46	4
V562NRR	Vigoro	-	43.7	49.5	10/07	38	3
5212RR/N	Garst	-	48.4	49.4	10/11	39	3
USG 7553nRR	USG	-	55.9	49.4	10/09	41	2
NK S56-D7	NK	43.5	52.3	48.5	10/26	38	4
545.RCP	Schillinger	-	-	48.3	10/06	26	1
Armor GP 513	Armor	-	57.5	48.2	10/11	28	4
95B43	Pioneer	49.0	46.9	48.1	10/09	36	3
S02-611 (E)	Public	-	-	47.9	10/16	40	2
Morsoy RT5204	Morsoy	-	-	47.9	10/09	37	4
TV56R11	Terral	56.1	52.6	47.6	10/11	38	4
Progeny 5660RR	Progeny	58.5	57.2	47.5	10/18	37	4
PGY 5404RR (E)	PGY	-	-	47.4	10/10	39	4
MorSoy RT5620	MorSoy	71.3	53.2	47.2	10/25	36	5
SS RT 5602N	Southern States	-	58.2	47.0	10/10	35	3
Genesis D524RR	Genesis	-	59.0	46.9	10/09	28	1
Armor 54-03	Armor	-	-	46.6	10/04	37	1
Armor GP 530	Armor	-	-	46.6	10/10	36	2
DP5634RR	DPL	66.2	62.1	46.2	10/22	43	4
USG 7523nRR	USG	-	-	46.0	10/09	40	1
Progeny 5250RR	Progeny	51.1	57.6	45.9	10/22	35	3
USG 510nRR	USG	-	-	45.4	10/07	40	2
HBK R5620	Hornbeck	65.4	56.0	45.3	10/10	38	4
HBK R5324	Hornbeck	-	-	45.3	10/22	34	4
Armor 56-J6	Armor	59.7	50.0	45.0	10/09	36	4
TV56R12	Terral	-	53.1	44.9	10/08	41	3
SS RT 5302N	Southern States	52.5	53.4	44.8	10/08	41	3
AV52T2NRR	AgVenture	-	-	44.5	10/08	43	3
DK 5668RR	Delta King	64.8	55.6	44.5	10/12	38	5
MorSoy RT5252	MorSoy	57.3	59.3	44.4	10/26	34	2
DK 5366RR	Delta King	67.5	60.3	44.2	10/07	32	3
DG 5630RR	Delta Grow	54.3	56.4	43.7	10/05	32	3
DKXTJ505 (E)	Delta King	-	-	43.3	10/09	38	3
DG 3535NRR	Dyna-Gro	61.7	53.2	43.0	10/04	36	5
USG 7514nRR	USG	-	-	41.7	10/04	33	3
AG5402	Asgrow	-	-	41.1	10/08	41	4
ESXVT-19RR (E)	Eagle Seed	-	50.3	39.6	10/24	37	3
FFR 5225RR	FFR	-	55.5	39.3	10/09	38	1
NK S50-N3	NK	-	-	38.9	10/25	38	3
DKB51-51	DEKALB	-	49.7	38.5	10/24	39	4
TVX55RN23 (E)	Terral	-	-	38.3	10/06	35	4
USG 7524nRR	USG	-	42.6	37.8	10/04	46	5
HBK R5524	Hornbeck	-	-	36.4	10/22	44	5
TVX55RL23 (E)	Terral	-	-	36.1	10/08	43	3
DG 5555RR	Delta Grow	-	-	34.9	10/10	39	4
HBK R5123	Hornbeck	-	40.5	33.3	10/09	42	5
TVX55RM23 (E)	Terral	-	-	28.3	10/06	40	4
Overall Mean		49.6	53.6	47.8			
LSD (.10)		8.7	7.1	8.2			
Error degrees of freedom		120	136	156			
CV (%)		12.9	9.7	12.7			
R <sup>2</sup> (%)		79	62	63			

<sup>1</sup>Collins silt loam soil. (E) = Experimental.

**Table 51. Roundup Ready Maturity Group V Late Soybeans Planted May 26, 2004 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
ESXVT-41RR (E)	Eagle Seed	-	51.7	59.9	10/24	48	2
HBK R5924	Hornbeck	-	-	59.2	10/20	34	3
6112RR/N	Garst	-	64.2	58.1	10/24	35	2
DG 5960RR	Delta Grow	67.1	53.1	57.6	10/26	37	2
DG 3583NRR	Dyna-Gro	64.3	58.8	57.6	10/12	41	3
TSR59RQ3 (E)	Terral	-	-	56.0	10/24	35	4
RC 5972	Croplan Genetics	-	-	55.9	10/16	38	2
MorSoy RT5773	MorSoy	-	63.3	55.7	10/12	30	3
Progeny 5703RR	Progeny	-	55.8	55.6	10/18	33	4
AG5903	Asgrow	71.2	64.8	55.3	10/21	40	3
TV62R11	Terral	-	64.0	55.1	10/21	42	3
Armor 58-V8	Armor	-	53.9	54.9	10/24	41	3
DK5967RR	Delta King	-	55.3	53.1	10/11	35	3
DG SX04557 (E)	Dyna Gro	-	-	52.9	10/09	36	2
5924RR/N	Garst	-	63.2	52.7	10/18	44	3
DKB58-51	DEKALB	-	-	52.4	10/23	38	4
AG5701	Asgrow	63.3	55.9	51.2	10/23	36	4
DKXTJ506 (E)	Delta King	-	-	51.1	10/10	33	1
DKB57-51	DEKALB	-	-	50.4	10/23	38	4
ESXVT-34RR (E)	Eagle Seed	-	51.3	50.3	10/24	45	3
USG 7582nRR	USG	64.3	53.7	49.9	10/24	32	2
95M80	Pioneer	-	-	49.6	10/10	35	3
Progeny 5822RR	Progeny	66.5	54.0	49.4	10/25	35	3
TV59R14	Terral	-	55.7	49.4	10/10	35	4
RT 5730N	Southern States	-	-	49.3	10/09	26	2
MorSoy RT5903	MorSoy	-	51.9	49.0	10/24	33	3
DP 5808RR	DPL	-	-	48.6	10/21	36	4
DK5767RR	Delta King	-	54.8	48.6	10/10	31	4
AV 57D7RR	AgVenture	-	-	48.1	10/06	31	1
TSR57RK8 (E)	Terral	-	-	48.1	10/11	44	4
DG 38K57	Dyna-Gro	-	53.3	47.7	10/10	38	4
ES XVT46RR (E)	Eagle Seed	60.6	57.0	47.4	10/23	45	2
TVX57R408 (E)	Terral	-	-	47.0	10/09	29	2
DP5915RR	DPL	61.6	61.6	47.0	10/24	46	4
HBK XR561-04 (E)	Hornbeck	-	-	46.9	10/20	44	3
TV57R14	Terral	-	57.0	45.0	10/16	37	4
PGY 5714RR (E)	PGY	-	-	44.8	10/24	36	4
SS RT 5999N	Southern States	49.9	53.8	44.4	10/06	47	2
DP5806 RR	DPL	57.3	53.2	44.3	10/24	42	4
SS RT 5702N	Southern States	50.5	52.3	43.3	10/16	41	3
USG 570nRR	USG	60.0	60.5	43.3	10/26	37	4
5812RR/N	Garst	-	54.5	39.5	10/16	42	3
TV58R12	Terral	-	53.5	38.3	10/20	38	3
AG5905	Asgrow	-	-	37.4	10/21	39	3
95B96	Pioneer	50.2	53.5	36.2	10/08	39	5
DG SX04159 (E)	Dyna Gro	-	-	22.8	10/07	44	2
Overall Mean		55.5	55.7	49.1			
LSD (.10)		6.5	8.2	8.4			
Error degrees of freedom		62	94	90			
CV (%)		8.5	10.9	12.5			
R <sup>2</sup> (%)		84	50	67			

<sup>1</sup>Collins silt loam soil. (E) = Experimental.

# Location 4. Gibb Steele Farms, Longwood

## Location Summary

Soybeans were planted no-till behind rice in mid-April. The weather was normal through mid-June. Much above-average rainfall was recorded from June 10 through July.

Normal rainfall patterns resumed in mid-July. Temperatures were below average throughout the growing season.

Soil type	Sharkey clay
Soil pH	7.4
Soil fertility	P=M+; K=M+
Fertilizer added	None
Herbicide application	Preemergence – Conventional – Roundup Weathermax @ 22 oz/A + Scepter @ 2.86 oz/A + Dual Magnum II @ 24 oz/A (4-21-04) Roundup Ready – Weathermax @ 22 oz/A + Dual Magnum II @ 24 oz/A (4-21-04) Postemergence – Conventional – Classic @ .5 oz/A +COC on 5-11-04 & 5-25-04 Roundup Weathermax @ 22 oz/A on 5-11-04 & 5-25-04
Irrigation	July 27 & August 10
Planting date	April 21
Harvest date	Group IV Early RR – September 9 Group IV Conv. & IV Late RR – September 20 Group V Conv. & RR – October 5

## Rainfall Summary

	Inches
May	3.92
June	17.99
July	5.07
August	3.88
September	0
<b>Total</b>	<b>30.86</b>

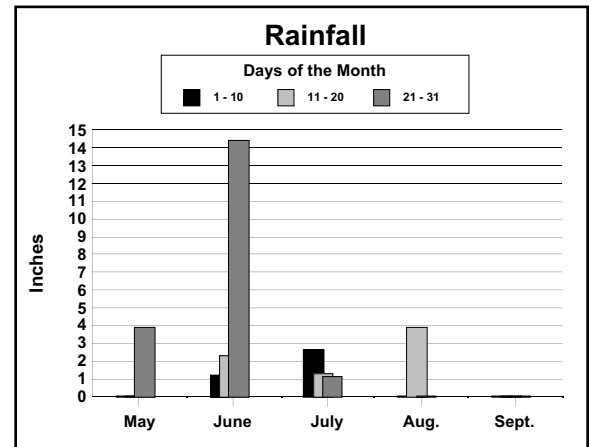


Table 52. Maturity Group IV Soybeans Planted April 21, 2004 (Gibb Steele Farms, Washington County).<sup>1</sup>

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Progeny 4910	Progeny	52.5	68.8	58.7	09/08	31	1
DT98-7278 (E)	Public	53.1	70.8	52.0	09/05	20	1
DP4748S	DPL	56.5	59.4	51.8	09/05	33	1
S00-9925-10 (E)	Public	-	-	49.9	09/09	12	1
DT98-9102 (E)	Public	68.5	65.4	47.7	09/09	18	1
DT99-17048 (E)	Public	-	-	47.6	09/10	20	1
R98-1817 (E)	Public	-	73.0	43.2	09/10	11	1
DT97-4290 (E)	Public	-	52.8	40.0	09/03	21	1
Overall Mean		55.9	63.2	48.9			
LSD (.10)		13.6	7.4	6.1			
Error degrees of freedom		10	16	14			
CV (%)		16.5	8.2	8.6			
R <sup>2</sup> (%)		69	81	78			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.



**Table 53. Maturity Group V Early Soybeans Planted April 15, 2004 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DB00-087 (E)	Public	-	-	61.6	09/22	24	1
DB00-002 (E)	Public	-	-	57.9	09/16	24	1
DP5110S	DPL	69.1	66.7	56.8	09/10	32	2
DB00-138 (E)	Public	-	-	54.5	09/19	22	1
Teejay	Public	-	69.3	50.9	09/14	20	1
USG 5002T	PVP	-	75.7	50.8	09/11	15	1
S00-9970-08 (E)	Public	-	-	50.1	09/15	17	1
DB00-141 (E)	Public	-	-	49.3	09/18	20	1
S00-9979-09 (E)	Public	-	-	48.2	09/13	14	1
Delsoy 5500	Public	-	69.7	48.0	09/16	15	1
DB00-173 (E)	Public	-	-	46.6	09/12	24	1
Ozark	Public	-	73.5	44.1	09/12	19	1
USG 5601T	PVP	-	68.9	40.6	09/14	15	1
DB00-155 (E)	Public	-	-	39.6	09/17	16	1
Anand	Public	-	66.5	33.1	09/16	12	1
Overall Mean		65.0	69.5	48.8			
LSD (.10)		13.2	5.4	8.9			
Error degrees of freedom		10	26	28			
CV (%)		13.7	2.6	13.2			
R <sup>2</sup> (%)		38	57	67			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.**Table 54. Maturity Group V Late Soybeans Planted April 21, 2004 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK C5894	Hornbeck	-	-	63.4	09/22	29	1
Freedom	Public	62.4	58.6	57.8	09/21	22	1
DKXTJ458 (E)	Delta King	-	-	57.5	09/22	22	1
PGY 5770 (E)	PGY	-	-	51.9	09/24	20	1
DT99-17574 (E)	Public	-	63.5	48.6	09/16	24	1
R97-1634 (E)	Public	-	-	46.7	09/22	20	1
DK 5995	Delta King	65.6	69.9	45.9	09/19	23	1
Bolivar	Public	57.8	59.2	45.2	09/16	25	1
Hutcheson	Public	68.5	69.4	45.0	09/19	13	1
DT98-11850 (E)	Public	-	68.5	39.1	09/21	18	1
Overall Mean		65.1	64.8	50.1			
LSD (.10)		19.2	6.0	9.1			
Error degrees of freedom		18	26	18			
CV (%)		20.8	6.6	12.8			
R <sup>2</sup> (%)		18	82	70			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 55. Roundup Ready Maturity Group IV Early Soybeans Planted April 21, 2004 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
4612RR/N	Garst	-	49.3	57.1	08/29	29	1
S02-679 (E)	Public	-	-	55.9	08/30	29	1
USG 7434nRR	USG	-	-	55.1	08/28	19	1
TSR46RA5 (E)	Terral	-	-	52.4	08/28	30	1
DKXTJ446 (E)	Delta King	-	-	51.8	09/05	32	1
SS RT 4502N	Southern States	61.3	59.0	51.5	08/25	32	1
Armor 44-R5	Armor	49.2	42.1	50.6	08/29	27	1
AVX45ANRR (E)	AgVenture	-	-	50.1	09/02	26	1
DKXTJ545 (E)	Delta King	-	-	49.1	09/02	27	1
AG4201	Asgrow	68.4	59.5	48.4	08/26	23	1
HBK R4023	Hornbeck	-	-	47.8	08/27	27	1
TVX45RM21 (E)	Terral	-	-	47.5	08/28	29	1
DK 4461RR	Delta King	51.0	59.1	47.3	08/31	28	1
AG4603	Asgrow	61.7	51.6	46.8	08/28	23	1
94M41	Pioneer	-	45.8	46.8	08/20	27	1
TVX45RL21 (E)	Terral	-	-	46.7	08/28	26	1
DKB46-51	DEKALB	-	57.1	46.5	08/26	25	1
Genesis C444RR	Genesis	43.7	52.4	45.9	08/29	24	1
TVX45RN21 (E)	Terral	-	-	45.0	08/26	27	1
Armor 44-R4	Armor	54.1	53.7	44.6	08/27	28	1
AV46J5NRR	AgVenture	-	-	44.6	09/02	20	1
DKXTJ501 (E)	Delta King	-	-	44.4	08/31	26	1
TVX46R401 (E)	Terral	-	-	44.3	09/01	27	1
DKXTJ546 (E)	Delta King	-	-	43.9	08/31	24	1
Progeny 4401RR	Progeny	60.5	54.8	43.7	08/29	30	1
USG 7440nRR	USG	53.9	53.7	43.6	08/27	26	1
DP4546RR	DPL	51.4	55.4	43.1	09/03	19	1
AG 4502	Asgrow	-	43.8	42.8	08/25	22	1
PGY 4604RR (E)	PGY	-	-	42.6	08/30	29	1
465.RC	Schillinger	-	-	42.4	08/28	25	1
DG 3443NRR	Dyna-Gro	49.5	57.4	42.1	09/02	27	1
AG4403	Asgrow	50.4	53.4	41.9	08/25	26	1
DG 4630RR	Delta Grow	-	-	41.6	08/31	27	1
NK S43-B1	NK	-	51.3	41.6	08/28	23	1
DKB44-51	DEKALB	-	54.2	41.1	08/24	25	1
HBK R4623	Hornbeck	-	56.1	40.6	08/24	30	1
RC 4464	Croplan Genetics	-	-	40.3	08/26	19	1
RC 4233	Croplan Genetics	-	-	38.7	08/31	29	1
TVX44R401 (E)	Terral	-	-	38.5	08/26	23	1
DKXTJ540 (E)	Delta King	-	-	37.7	08/26	28	1
DP4331RR	DPL	52.8	54.9	37.6	09/01	23	1
DKXTJ541 (E)	Delta King	-	-	36.8	08/22	23	1
DKXTJ543 (E)	Delta King	-	-	36.5	08/27	22	1
PGY 4304RR (E)	PGY	-	-	36.5	08/27	22	1
DG 3463NRR	Dyna-Gro	59.4	47.6	34.8	08/25	27	1
USG 7443nRR	USG	-	-	34.5	08/23	26	1
DG 4340RR	Delta Grow	-	-	33.7	08/28	26	1
AG4102	Asgrow	-	-	33.3	08/19	24	1
E434NRR	Genesis	-	-	33.0	08/23	21	1
435.RC	Schillinger	-	-	32.9	09/02	25	1
Overall Mean		54.4	52.3	43.5			
LSD (.10)		11.0	10.5	6.6			
Error degrees of freedom		70	52	96			
CV (%)		14.8	14.7	11.1			
R <sup>2</sup> (%)		51	53	71			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 56. Roundup Ready Maturity Group IV Late Soybeans Planted April 21, 2004 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
ESXVT-17RR (E)	Eagle Seed	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	09/14	<i>in</i>	
AG4903	Asgrow	-	60.6	60.1	08/30	34	2
DKXTJ448 (E)	Delta King	-	-	57.5	09/11	27	1
DG 4970RR	Delta Grow	-	-	56.5	09/08	31	1
DP4933RR	DPL	72.7	71.6	55.7	09/08	31	1
Armor GP 474	Armor	-	66.3	55.0	09/08	31	1
SS RT 4902	Southern States	76.7	70.9	54.5	09/04	27	1
DP4724RR	DPL	-	58.6	53.2	09/09	31	1
TVX48R413 (E)	Terral	-	-	52.9	09/03	28	1
MorSoy RT4802	MorSoy	-	58.5	52.8	09/02	28	1
495.RC	Schillinger	-	-	52.2	09/04	31	1
HBK R4924	Hornbeck	-	-	51.9	09/09	27	1
USG 7494nRR	USG	-	-	51.2	09/11	30	1
Progeny 4932RR	Progeny	71.8	73.3	50.8	09/08	28	1
MorSoy RT4809	MorSoy	72.3	72.8	50.7	09/08	32	1
HBK R4820	Hornbeck	76.5	73.8	50.5	09/01	28	1
USG 7482nRR	USG	-	-	50.3	09/02	29	1
DPX4891RR (E)	DPL	-	-	50.0	09/02	25	1
DG 36M49	Dyna-Gro	-	64.9	49.6	09/07	28	1
SG498RR	DPL	77.8	72.5	48.9	09/03	26	1
Armor 49-T3	Armor	-	-	48.8	09/09	21	1
XR48N20 (E)	Garst	-	-	48.7	08/31	22	1
DG 3481NRR	Dyna-Gro	-	53.5	48.7	09/05	28	1
S02-683 (E)	Public	-	-	48.3	09/05	26	1
AV49J7NRR	AgVenture	-	-	48.2	09/12	30	1
FFR 4922RR	FFR	67.4	74.9	47.9	09/02	26	1
Armor GP 499	Armor	-	-	47.8	09/03	23	1
Progeny 4949RR	Progeny	-	60.4	47.7	09/03	27	1
94B73	Pioneer	72.9	52.6	47.7	09/13	25	1
Genesis D491RR	Genesis	-	58.4	47.7	09/02	26	1
DG 4840RR	Delta Grow	-	-	47.6	09/04	25	1
PGY 4804RR (E)	PGY	-	-	47.4	09/02	28	1
TV49R12	Terral	-	62.7	47.4	09/07	28	1
TVX48RM27 (E)	Terral	-	-	47.3	09/12	33	1
DK4868RR	Delta King	70.5	73.6	47.2	09/09	26	1
Armor 47-G7	Armor	68.5	57.8	47.1	08/30	27	1
AG4801	Asgrow	-	-	47.0	08/30	25	1
4999RR/N	Garst	-	-	46.9	09/06	22	1
RC 4842	Croplan Genetics	-	-	46.8	09/10	33	1
DKXTJ548 (E)	Delta King	-	-	46.6	09/01	26	1
SS RT4980	Southern States	66.5	66.4	46.5	08/30	22	1
4888RR	Garst	-	-	46.5	09/09	29	1
TVX48RN27 (E)	Terral	-	-	46.2	09/09	28	1
E484NRR	Genesis	-	57.4	45.9	09/09	21	1
USG 7484nRR	USG	-	-	45.5	09/06	27	1
DG 4860RR	Delta Grow	71.8	54.8	45.4	09/02	26	1
MorSoy RT4993	MorSoy	-	66.7	45.4	09/02	27	1
Genesis D484RR	Genesis	-	-	44.9	09/06	29	1
DKXTJ542 (E)	Delta King	-	-	44.8	09/01	23	1
TSR47RT6 (E)	Terral	-	-	44.6	09/10	25	1
DKXTJ503 (E)	Delta King	-	-	44.5	09/10	29	1
TVX48RL27 (E)	Terral	-	-	44.1	09/04	22	1
S02-677 (E)	Public	-	-	44.0	09/04	29	1
DK4967RR	Delta King	-	57.4	43.7	09/02	24	1
DK 4763RR	Delta King	66.1	61.1	43.6	09/03	25	1
AG4902	Asgrow	75.5	61.4	42.6	09/01	27	1
NK S49-Q9	NK	51.7	63.7	41.4	09/05	25	1
HBK R4724	Hornbeck	-	-	40.6	09/14	26	1
Progeny 4703RR	Progeny	-	68.3	40.6	09/13	25	1
DKXTJ54J9 (E)	Delta King	-	-	40.0	09/05	32	1
SS RT517N	Southern States	67.7	70.8	39.9	09/12	26	1
V48N5RR	Vigoro	-	-	39.0	09/04	19	1
TVX49R302 (E)	Terral	-	-	39.0	09/08	26	1
94M90	Pioneer	-	-	38.8	09/12	31	1
5012RR/N	Garst	-	-	37.8	09/07	23	1
USG 7499nRR	USG	-	-	37.5	09/04	20	1
Progeny 4858RR	Progeny	-	-	36.5	09/03	28	1
DG 4960RR	Delta Grow	-	64.4	36.3	09/02	25	1
DKXTJ502 (E)	Delta King	-	-	35.5	09/05	20	1
DKXTJ549 (E)	Delta King	-	-	35.3	08/29	18	1
HBK R4945CX	Hornbeck	-	-	35.2	09/02	24	1
Progeny 4860RR	Progeny	-	66.2	34.1	09/04	26	1
RT 5130N	Southern States	-	-	33.5	09/04	20	1
SS-RT 5001N	Southern States	58.7	60.1	33.1	09/02	17	1
DKXTJ54X9 (E)	Delta King	-	-	31.7	09/06	16	1
				30.6	08/31	23	1
Overall Mean		65.5	62.0	45.5			
LSD (.10)		7.5	6.2	7.1			
Error degrees of freedom		92	104	147			
CV (%)		8.4	7.4	11.6			
R <sup>2</sup> (%)		72	78	70			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 57. Roundup Ready Maturity Group V Early Soybeans Planted April 21, 2004 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
FFR 5663RR	FFR	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP5634RR	DPL	-	-	67.3	09/25	19	1
DK 5161RR	Delta King	78.3	62.5	64.5	09/20	25	1
DG 5555RR	Delta Grow	-	69.0	61.8	09/15	19	1
HBK R5524	Hornbeck	-	-	61.2	09/20	27	1
TVX55RM23 (E)	Terral	-	-	60.4	09/22	25	1
NK S56-D7	NK	76.0	67.6	59.8	09/20	21	1
TVX55RL23 (E)	Terral	-	-	59.5	09/17	26	1
HBK R5624	Hornbeck	-	-	59.2	09/23	26	1
DG 5610RR	Delta Grow	-	-	59.1	09/15	22	1
DKXTJ555 (E)	Delta King	-	-	58.9	09/23	20	1
5225RR	Garst	-	-	58.7	09/22	21	1
DG 33B52	Dyna-Gro	-	67.1	58.7	09/14	16	1
TVX56R405 (E)	Terral	-	-	58.5	09/16	17	1
TVX55RN23 (E)	Terral	-	-	57.9	09/23	20	1
HBK R5123	Hornbeck	-	48.4	57.6	09/19	26	1
USG 7524nRR	USG	-	52.8	57.4	09/14	42	2
TV56R12	Terral	-	61.0	55.9	09/08	38	3
Armor GP 530	Armor	-	-	55.6	09/20	27	1
Armor GP 513	Armor	-	67.6	55.4	09/16	24	1
Progeny 5250RR	Progeny	76.7	67.0	55.1	09/15	19	1
Progeny 5660RR	Progeny	80.6	68.9	55.0	09/15	20	1
DK 5668RR	Delta King	76.9	64.5	54.3	09/21	24	1
DK 5366RR	Delta King	85.6	70.3	53.8	09/12	19	1
95B43	Pioneer	83.3	76.1	53.7	09/19	24	1
MorSoy RT5620	MorSoy	73.8	67.1	53.2	09/19	27	1
MorSoy RT5252	MorSoy	68.4	64.5	52.9	09/20	26	1
AG5501	Asgrow	77.9	62.5	52.5	09/13	16	1
DKXTJ505 (E)	Delta King	-	-	52.4	09/19	21	1
HBK R5324	Hornbeck	-	-	52.3	09/21	25	1
AV52T2NRR	AgVenture	-	-	52.2	09/15	18	1
DG 5630RR	Delta Grow	78.2	67.8	51.9	09/18	25	1
SS RT 5302N	Southern States	71.4	63.0	51.3	09/19	22	1
DP5414RR	DPL	70.6	58.7	51.0	09/12	24	1
USG 7553nRR	USG	-	68.1	50.7	09/15	25	1
Armor 56-J6	Armor	80.1	65.0	50.6	09/22	20	1
AG5402	Asgrow	-	-	50.3	09/23	26	1
Morsoy RT5204	Morsoy	-	-	50.2	09/16	24	1
5212RR/N	Garst	-	60.9	50.0	09/13	20	1
ESXVT-19RR (E)	Eagle Seed	-	51.5	50.0	09/17	24	1
PGY 5404RR (E)	PGY	-	-	50.0	09/24	26	1
DG 3562NRR	Dyna-Gro	77.1	69.1	49.9	09/15	22	1
TV56R11	Terral	81.0	60.9	49.9	09/14	20	1
DG 5260RR	Delta Grow	-	71.8	49.6	09/14	20	1
USG 7514nRR	USG	-	-	49.6	09/22	23	1
S02-611 (E)	Public	-	-	49.6	09/11	19	1
FFR 5225RR	FFR	-	62.8	49.5	09/13	20	1
DKB51-51	DEKALB	-	51.0	49.5	09/14	23	1
HBK R5422	Hornbeck	69.4	63.7	49.5	09/13	23	1
HBK R5620	Hornbeck	82.7	70.0	49.5	09/12	29	1
DKXTJ554 (E)	Delta King	-	-	49.4	09/25	27	1
V562NRR	Vigoro	-	65.8	49.2	09/08	22	1
5656RR/STS/N	Garst	-	-	49.0	09/18	23	1
DKB54-52	DEKALB	-	-	48.3	09/16	20	1
TVX52R301 (E)	Terral	-	69.5	48.2	09/16	21	1
DG 5460RR	Delta Grow	-	62.1	48.0	09/12	21	1
RT 5540N	Southern States	-	-	48.0	09/15	18	1
PGY 5622RR (E)	PGY	-	-	47.8	09/14	26	1
Progeny 5503RR	Progeny	-	65.9	47.8	09/22	20	1
DG 5650RR	Delta Grow	-	60.9	47.5	09/21	19	1
MorSoy RT5553	MorSoy	-	68.7	47.2	09/20	20	1
AG5605	Asgrow	-	63.7	46.8	09/16	22	1
V55N5RR	Vigoro	-	-	46.7	09/22	17	1
TVX55R403 (E)	Terral	-	-	46.5	09/11	21	1
Genesis D524RR	Genesis	-	69.2	46.3	09/16	20	1
SS RT 5602N	Southern States	-	61.0	45.2	09/13	15	1
DK55T6RR (E)	Delta King	-	-	45.0	09/18	14	1
Armor 54-03	Armor	-	-	44.5	09/15	18	1
DG 3535NRR	Dyna-Gro	83.2	67.5	44.5	09/08	18	1
RC 5555	Croplan Genetics	-	-	43.9	09/16	23	1
SS RT557N	Southern States	76.5	69.8	43.8	09/15	22	1
USG 7523nRR	USG	-	-	43.2	09/12	18	1
AV 50D2NRR	AgVenture	-	-	42.2	09/12	20	1
USG 510nRR	USG	-	-	41.8	09/09	21	1
NK S50-N3	NK	-	-	40.5	09/16	22	1
FFR 5033RR	FFR	-	-	39.4	09/15	28	1
RC 5003	Croplan Genetics	-	-	35.5	09/08	20	1
AV50J6NRR	AgVenture	-	-	35.0	09/07	20	1
545.RCP	Schillinger	-	-	34.9	09/05	23	1
				32.2	09/15	12	1
Overall Mean		70.0	63.5	50.6			
LSD (.10)		9.5	6.1	6.7			
Error degrees of freedom		120	136	156			
CV (%)		10.0	7.1	9.8			
R <sup>2</sup> (%)		72	73	74			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

**Table 58. Roundup Ready Maturity Group V Late Soybeans Planted April 21, 2004 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TSR59RQ3 (E)	Terral	-	-	69.9	09/23	22	1
DG SX04557 (E)	Dyna Gro	-	-	66.2	09/28	21	1
AV 57D7RR	AgVenture	-	-	64.8	06/25	20	1
TSR57RK8 (E)	Terral	-	-	64.2	09/15	27	1
DP 5808RR	DPL	-	-	63.1	09/22	26	1
ES XVT46RR (E)	Eagle Seed	67.9	52.2	59.5	09/21	26	1
DKB58-51	DEKALB	-	-	58.8	09/14	21	1
PGY 5714RR (E)	PGY	-	-	58.7	09/21	33	1
5812RR/N	Garst	-	52.7	58.6	09/21	28	1
SS RT 5702N	Southern States	75.3	56.6	58.6	09/22	31	1
ESXVT-41RR (E)	Eagle Seed	-	45.7	57.7	09/30	28	1
6112RR/N	Garst	-	49.3	57.4	09/23	29	1
DP5915RR	DPL	78.4	52.5	57.4	09/23	29	1
HBK R5924	Hornbeck	-	-	56.7	09/28	28	1
AG5903	Asgrow	77.4	59.1	56.5	09/22	23	1
95M80	Pioneer	-	-	56.4	09/21	25	1
5924RR/N	Garst	-	51.4	56.3	09/21	26	1
TVX57R408 (E)	Terral	-	-	56.1	09/23	15	1
95B96	Pioneer	79.2	63.5	55.3	09/19	25	1
TV62R11	Terral	-	48.4	54.9	09/27	22	1
Progeny 5822RR	Progeny	79.6	60.0	54.9	09/22	19	1
SS RT 5999N	Southern States	67.7	57.2	54.1	09/21	32	1
DG 5960RR	Delta Grow	82.3	61.9	53.7	09/19	20	1
USG 570nRR	USG	80.1	63.1	53.2	09/20	24	1
AG5905	Asgrow	-	-	52.8	09/16	24	1
HBK XR561-04 (E)	Hornbeck	-	-	52.3	09/14	39	1
MorSoy RT5903	MorSoy	-	66.7	52.0	09/22	22	1
TV58R12	Terral	-	50.4	51.6	09/26	27	1
Armor 58-V8	Armor	-	59.1	51.5	09/19	21	1
AG5701	Asgrow	80.3	67.8	51.3	09/16	21	1
DK5967RR	Delta King	-	57.9	51.1	09/20	21	1
MorSoy RT5773	MorSoy	-	63.4	50.7	09/16	22	1
DP5806 RR	DPL	62.7	46.3	50.6	09/21	22	1
ESXVT-34RR (E)	Eagle Seed	-	51.4	50.5	09/29	34	1
TV59R14	Terral	-	60.0	49.9	09/20	19	1
DG 3583NRR	Dyna-Gro	85.2	61.8	49.8	09/21	19	1
USG 7582nRR	USG	77.8	58.5	49.3	09/22	20	1
DKB57-51	DEKALB	-	-	48.9	09/16	23	1
Progeny 5703RR	Progeny	-	67.9	48.1	09/21	23	1
TV57R14	Terral	-	70.3	48.0	09/18	24	1
DK5767RR	Delta King	-	63.9	47.0	09/16	21	1
RC 5972	Croplan Genetics	-	-	46.9	09/27	20	1
DKXTJ506 (E)	Delta King	-	-	46.6	09/18	19	1
DG 38K57	Dyna-Gro	-	66.5	39.8	09/15	20	1
RT 5730N	Southern States	-	-	38.4	09/16	15	1
DG SX04159 (E)	Dyna Gro	-	-	29.8	09/28	52	3
Overall Mean		71.8	58.3	53.5			
LSD (.10)		6.4	6.5	5.0			
Error degrees of freedom		62	94	90			
CV (%)		6.5	8.3	6.9			
R <sup>2</sup> (%)		82	75	86			

<sup>1</sup>Sharkey clay soil. (E) = Experimental.

# Location 5. Mast Farms, Crawford

## Location Summary

Soybean plots were planted after the field was tilled lightly prior to planting. The soil moisture was good, and excellent stands were established. Early-season rainfall was beneficial for soybean production. Weed control was

good. Stink bugs were detected and treated in mid-August. Frogeye leafspot and red crown rot infestations were noted in the plot area, and ratings were taken. Harvest was completed in a timely manner.

Soil type .....	Vaiden silty clay
Soil pH .....	5.4
Soil fertility .....	P=M; K=H
Fertilizer added .....	None
Herbicide application .....	Preemergence — Conventional — Scepter @ 2.86 oz/A + Dual Magnum II @ 24 oz/A on 4-22-04 Roundup Ready — Dual Magnum II @ 24 oz/A on 4-22-04 Postemergence — Conventional — First Rate @ 0.3 oz/A + Select @ 10 oz/A + COC on 5-21-04 Roundup Ready — Roundup Weathermax @ 22 oz/A on 5-21-04
Planting date .....	April 22
Harvest date .....	Group III RR — August 19 Group IV Conv. & IV Early & Late RR — September 2 Group V Early Conv. & V Early RR — September 27 Group V Late Conv. & V Late RR — October 8

## Rainfall Summary

	Inches
April .....	2.75
May .....	3.75
June .....	7.85
July .....	4.40
August .....	1.95
Sept .....	5.25
October .....	1.50
Total .....	27.45

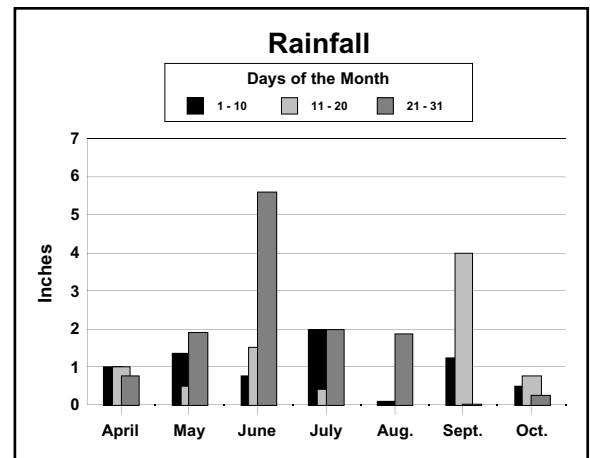


Table 59. Maturity Group IV Soybeans Planted April 22, 2004 (Mast Farms, Lowndes County).<sup>1</sup>

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
S00-9925-10 (E)	Public	-	-	43.4	09/04	25	1
DT98-9102 (E)	Public	52.3	19.2	42.3	08/26	34	1
DT97-4290 (E)	Public	-	21.0	42.0	08/28	36	1
Progeny 4910	Progeny	50.9	26.2	41.7	08/26	33	1
DT98-7278 (E)	Public	52.1	21.6	41.3	09/01	30	1
DT99-17048 (E)	Public	-	-	39.8	09/02	33	1
DP4748S	DPL	52.7	26.9	32.7	08/26	28	1
R98-1817 (E)	Public	-	31.8	30.8	09/03	28	1
Overall Mean		49.8	21.8	39.2			
LSD (.10)		5.3	8.9	12.6			
Error degrees of freedom		10	16	14			
CV (%)		7.2	28.7	22.3			
R <sup>2</sup> (%)		79	61	37			

<sup>1</sup>Vaiden silty clay soil. (E) = Experimental.

**Table 60. Maturity Group V Early Soybeans Planted April 22, 2004 (Mast Farms, Lowndes County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DB00-141 (E)	Public	-	-	57.3	09/15	28	1
DB00-087 (E)	Public	-	-	55.7	09/20	32	1
S00-9970-08 (E)	Public	-	-	54.9	09/13	28	1
DB00-173 (E)	Public	-	-	53.8	08/28	34	1
DB00-138 (E)	Public	-	-	53.7	09/16	32	1
Ozark	Public	-	36.0	53.0	09/09	27	1
S00-9979-09 (E)	Public	-	-	52.9	09/11	24	1
USG 5601T	PVP	-	28.0	49.6	09/15	31	1
Anand	Public	-	30.0	49.5	09/14	25	1
USG 5002T	PVP	-	21.1	49.2	09/10	24	1
DP5110S	DPL	56.7	26.0	49.1	08/26	38	1
Teejay	Public	-	33.8	44.0	08/26	27	1
DB00-155 (E)	Public	-	-	43.3	09/10	23	1
DB00-002 (E)	Public	-	-	43.2	09/20	36	1
Delsoy 5500	Public	-	35.1	41.6	09/08	26	1
Overall Mean		54.0	31.7	50.0			
LSD (.10)		7.0	8.0	8.9			
Error degrees of freedom		10	26	28			
CV (%)		8.7	18.2	12.8			
R <sup>2</sup> (%)		40	78	52			

<sup>1</sup>Vaiden silty clay soil. (E) = Experimental.

**Table 61. Maturity Group V Late Soybeans Planted April 22, 2004 (Mast Farms, Lowndes County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002 <sup>2</sup>	2003 <sup>2</sup>	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5995	Delta King	-	45.5	60.0	09/20	38	2
DT99-17574 (E)	Public	-	20.7	56.4	09/13	37	3
Hutcheson	Public	-	40.9	55.1	09/15	30	1
Freedom	Public	-	38.3	52.8	09/18	35	2
Bolivar	Public	-	41.0	52.6	09/11	40	2
DKXTJ458 (E)	Delta King	-	-	49.1	09/14	33	2
R97-1634 (E)	Public	-	-	48.6	09/14	28	1
DT98-11850 (E)	Public	-	37.3	48.2	09/14	28	1
PGY 5770 (E)	PGY	-	-	47.8	09/17	28	2
HBK C5894	Hornbeck	-	-	39.2	09/13	31	2
Overall Mean		-	39.0	51.0			
LSD (.10)		-	9.8	13.4			
Error degrees of freedom		-	26	18			
CV (%)		-	18.1	18.6			
R <sup>2</sup> (%)		-	65	37			

<sup>1</sup>Vaiden silty clay soil. (E) = Experimental.  
<sup>2</sup>No 2- or 3-year averages.

**Table 62. Roundup Ready Maturity Group III Soybeans Planted April 22, 2004 (Mast Farms, Lowndes County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TV39RS31	Terral	-	33.8	53.7	08/09	28	1
AG3906	Asgrow	-	-	51.4	08/09	21	1
Progeny 3900RR	Progeny	-	31.4	50.8	08/09	28	1
DK 3968RR	Delta King	48.7	19.9	50.3	08/09	25	1
Armor 39-E9	Armor	49.7	18.0	48.8	08/10	21	1
DPX3950RR (E)	DPL	-	26.7	48.2	08/09	23	1
93M90	Pioneer	-	24.4	46.4	08/10	24	1
NK S39-K6	NK Brand	-	-	46.1	08/10	26	1
DK 3964RR	Delta King	-	-	44.5	08/10	25	1
AG3905	Asgrow	-	42.3	43.8	08/10	25	1
DP3861RR	DPL	47.3	26.8	41.2	08/09	23	
Armor GP 470	Armor	-	-	38.5	08/13	30	1
AG3802	Asgrow	-	-	37.0	08/11	24	1
Overall Mean		45.0	29.7	46.2			
LSD (.10)		8.2	7.1	10.6			
Error degrees of freedom		40	38	24			
CV (%)		13.2	17.4	16.4			
R <sup>2</sup> (%)		62	78	70			

<sup>1</sup>Vaiden silty clay soil. (E) = Experimental.

**Table 63. Roundup Ready Maturity Group IV Early Soybeans Planted April 22, 2004 (Mast Farms, Lowndes County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TVX45RM21 (E)	Terral	-	-	48.0	08/13	36	1
435.RC	Schillinger	-	-	45.6	08/20	32	1
DK 4461RR	Delta King	38.8	33.5	42.7	08/16	32	1
USG 7440nRR	USG	34.8	25.6	42.1	08/13	31	1
DKB46-51	DEKALB	-	14.9	42.1	08/20	29	1
DG 3443NRR	Dyna-Gro	36.8	32.1	41.5	08/13	28	1
Armor 44-R4	Armor	32.9	27.2	41.2	08/13	30	1
TVX45RL21 (E)	Terral	-	-	41.0	08/13	35	1
Genesis C444RR	Genesis	40.6	27.7	40.0	08/14	28	1
AG4403	Asgrow	38.6	36.5	40.0	08/13	32	1
HBK R4623	Hornbeck	-	26.1	39.9	08/14	32	1
AG4102	Asgrow	-	-	39.8	08/13	24	1
USG 7434nRR	USG	-	-	38.8	08/17	25	1
DKB44-51	DEKALB	-	28.3	38.3	08/13	33	1
TVX45RN21 (E)	Terral	-	-	38.3	08/13	36	1
DG 3463NRR	Dyna-Gro	40.0	25.4	38.2	08/17	32	1
NK S43-B1	NK	-	20.1	38.1	08/21	28	1
Progeny 4401RR	Progeny	39.9	27.1	37.8	08/15	31	1
DKXTJ545 (E)	Delta King	-	-	37.6	08/16	32	1
DKXTJ501 (E)	Delta King	-	-	37.4	08/16	30	1
DKXTJ541 (E)	Delta King	-	-	37.4	08/13	30	1
DKXTJ540 (E)	Delta King	-	-	37.0	08/16	34	1
TSR46RA5 (E)	Terral	-	-	36.8	08/22	33	1
AVX45ANRR (E)	AgVenture	-	-	36.7	08/14	28	1
DP4331RR	DPL	41.7	32.0	36.6	08/13	29	1
S02-679 (E)	Public	-	-	36.0	08/19	39	1
94M41	Pioneer	-	14.7	35.4	08/13	29	1
TVX46R401 (E)	Terral	-	-	35.2	08/17	29	1
E434NRR	Genesis	-	-	34.9	08/14	25	1
465.RC	Schillinger	-	-	34.5	08/16	25	1
DG 4340RR	Delta Grow	-	-	34.5	08/16	26	1
HBK R4023	Hornbeck	-	-	33.8	08/13	34	1
DKXTJ546 (E)	Delta King	-	-	33.8	08/18	29	1
PGY 4304RR (E)	PGY	-	-	33.3	08/15	23	1
AG4603	Asgrow	48.0	20.5	32.2	08/20	25	1
AV46J5NRR	AgVenture	-	-	31.3	08/19	27	1
DP4546RR	DPL	40.2	24.5	30.4	08/19	35	1
PGY 4604RR (E)	PGY	-	-	30.0	08/16	28	1
SS RT 4502N	Southern States	35.2	24.6	30.0	08/19	32	1
RC 4233	Croplan Genetics	-	-	29.7	08/14	25	1
DKXTJ543 (E)	Delta King	-	-	29.5	08/17	27	1
DKXTJ446 (E)	Delta King	-	-	29.4	08/19	33	1
TVX44R401 (E)	Terral	-	-	28.9	08/14	35	1
AG 4502	Asgrow	-	24.0	28.7	08/16	26	1
4612RR/N	Garst	-	27.8	28.4	08/19	29	1
RC 4464	Croplan Genetics	-	-	27.8	08/21	28	1
Armor 44-R5	Armor	43.2	21.9	26.5	08/15	24	1
DG 4630RR	Delta Grow	-	-	25.3	08/17	26	1
AG4201	Asgrow	35.1	19.5	24.6	08/16	23	1
USG 7443nRR	USG	-	-	23.2	08/17	28	1
Overall Mean		38.7	24.8	35.2			
LSD (.10)		7.1	8.7	9.0			
Error degrees of freedom		70	52	98			
CV (%)		13.4	25.7	18.8			
R <sup>2</sup> (%)		61	53	65			

<sup>1</sup>Vaiden silty clay soil. (E) = Experimental.



**Table 64. Roundup Ready Maturity Group IV Late Soybeans Planted April 22, 2004 (Mast Farms, Lowndes County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
4999RR/N	Garst	-	-	48.2	08/28	36	1
DG 36M49	Dyna-Gro	-	22.4	47.5	08/20	32	2
USG 7484nRR	USG	-	-	47.3	08/20	30	1
AV49J7NRR	AgVenture	-	-	46.7	08/21	31	1
DKXTJ548 (E)	Delta King	-	-	46.2	08/20	29	1
DKXTJ448 (E)	Delta King	-	-	45.8	08/23	38	1
NK S49-Q9	NK	55.0	21.2	45.2	08/30	32	1
FFR 4922RR	FFR	51.2	29.7	45.2	08/24	38	3
HBK R4924	Hornbeck	-	-	45.2	08/29	43	2
DPX4891RR (E)	DPL	-	-	44.3	08/20	34	1
Progeny 4932RR	Progeny	53.5	29.7	44.2	08/31	40	2
DP4933RR	DPL	51.3	36.1	43.5	08/23	34	1
HBK R4820	Hornbeck	54.3	20.9	43.5	08/23	35	2
DKXTJ54J9 (E)	Delta King	-	-	43.0	08/27	32	1
E484NRR	Genesis	-	-	42.4	08/21	31	2
PGY 4804RR (E)	PGY	-	-	42.1	08/22	33	1
Armor GP 474	Armor	-	25.6	41.8	08/21	34	1
Progeny 4703RR	Progeny	-	29.5	41.1	08/24	36	2
MorSoy RT4809	MorSoy	53.7	26.2	41.0	08/21	31	1
USG 7494nRR	USG	-	-	40.7	08/21	33	2
MorSoy RT4993	MorSoy	-	25.6	40.6	08/21	35	1
TVX48RL27 (E)	Terral	-	-	40.5	08/27	33	1
AG4903	Asgrow	-	-	39.5	08/28	28	1
DKXTJ549 (E)	Delta King	-	-	39.5	08/21	32	1
TVX48R413 (E)	Terral	-	-	39.4	08/21	32	1
TVX48RN27 (E)	Terral	-	-	39.2	08/25	32	1
SS RT 4902	Southern States	53.7	30.7	39.1	08/30	34	2
DK4868RR	Delta King	50.3	20.9	39.1	08/21	30	1
DKXTJ54X9 (E)	Delta King	-	-	39.1	08/21	35	1
DK4967RR	Delta King	-	28.4	38.8	08/21	30	1
DG 4840RR	Delta Grow	-	-	38.8	08/20	32	2
Genesis D484RR	Genesis	-	20.4	38.4	08/20	32	1
4888RR	Garst	-	-	38.2	08/20	33	1
Armor 49-T3 (E)	Armor	-	-	37.8	08/21	30	1
SG498RR	DPL	51.2	27.4	37.5	08/26	29	1
TVX49R302 (E)	Terral	-	-	37.3	08/30	36	1
TVX48RM27 (E)	Terral	-	-	37.2	08/27	32	1
XR48N20 (E)	Garst	-	-	37.0	08/20	33	2
DG 3481NRR	Dyna-Gro	-	30.4	36.9	08/20	31	1
495.RC	Schillinger	-	-	36.8	08/21	32	1
94M90	Pioneer	-	-	36.4	08/26	32	1
MorSoy RT4802	MorSoy	-	27.1	36.3	08/20	29	1
TV49R12	Terral	-	27.5	36.3	08/21	45	2
V48N5RR	Vigoro	-	-	36.2	08/20	28	1
AG4902	Asgrow	54.7	22.5	36.1	08/28	32	1
S02-683 (E)	Public	-	-	36.1	08/27	33	1
Genesis D491RR	Genesis	-	21.7	35.9	08/20	35	1
S02-677 (E)	Public	-	-	35.8	08/26	39	1
Armor GP 499	Armor	-	-	35.6	08/23	32	2
SS RT4980	Southern States	52.8	26.9	35.4	08/20	30	1
HBK R4945CX	Hornbeck	-	-	35.4	08/20	37	1
DKXTJ502 (E)	Delta King	-	-	35.3	08/24	26	1
Armor 47-G7	Armor	51.8	15.8	35.1	08/26	31	1
DKXTJ542 (E)	Delta King	-	-	35.0	08/22	34	1
USG 7499nRR	USG	-	-	34.9	08/22	30	1
Progeny 4858RR	Progeny	-	-	34.7	08/20	35	2
DK 4763RR	Delta King	49.9	14.6	34.6	08/23	25	1
DG 4970RR	Delta Grow	-	-	34.4	08/27	33	1
DP4724RR	DPL	-	26.9	34.4	08/20	26	1
DKXTJ503 (E)	Delta King	-	-	34.2	08/20	31	1
USG 7482nRR	USG	-	-	33.9	08/21	29	1
HBK R4724	Hornbeck	-	-	33.8	08/24	39	2
TSR47RT6 (E)	Terral	-	-	33.3	08/31	33	1
RC 4842	Croplan Genetics	-	-	33.3	08/21	29	1
RT 5130N	Southern States	-	-	32.5	09/02	20	1
SS-RT 5001N	Southern States	56.7	39.5	32.0	09/02	32	1
DG 4860RR	Delta Grow	48.9	26.8	31.4	08/21	27	1
Progeny 4949RR	Progeny	-	24.1	30.5	08/28	36	1
94B73	Pioneer	56.3	19.4	30.1	08/22	29	1
AG4801	Asgrow	-	-	29.7	08/27	26	1
Progeny 4860RR	Progeny	-	34.6	26.4	08/31	27	1
DG 4960RR	Delta Grow	-	30.6	25.0	09/02	31	1
ESXVT-17RR (E)	Eagle Seed	-	34.8	24.9	09/08	37	2
5012RR/N	Garst	-	-	24.5	09/03	28	1
SS RT517N	Southern States	58.1	37.9	22.4	09/02	29	1
Overall Mean		50.7	26.2	37.4			
LSD (.10)		6.1	6.8	7.2			
Error degrees of freedom		92	104	148			
CV (%)		8.8	19.2	14.1			
R <sup>2</sup> (%)		56	70	68			

<sup>1</sup>Vaiden silty clay soil. (E) = Experimental.

**Table 65. Roundup Ready Maturity Group V Early Soybeans Planted April 22, 2004 (Mast Farms, Lowndes County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002 <sup>2</sup>	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TV56R12	Terral	-	52.0	60.0	09/11	36	1
DK 5668RR	Delta King	-	50.2	52.0	09/14	34	1
MorSoy RT5204	MorSoy	-	-	51.4	09/08	32	2
S02-611 (E)	Public	-	-	51.0	09/13	37	1
Armor 54-03	Armor	-	-	50.0	09/10	25	1
DK 5366RR	Delta King	-	44.8	49.7	09/14	28	2
FFR 5663RR	FFR	-	-	49.1	09/12	28	1
Genesis D524RR	Genesis	-	36.4	48.9	09/10	28	1
V562NRR	Vigoro	-	45.8	48.1	09/13	37	1
Armor GP 530	Armor	-	-	47.9	09/12	33	1
Progeny 5503RR	Progeny	-	43.3	47.8	09/22	29	1
TVX55R403 (E)	Terral	-	-	47.7	09/12	30	1
DKXTJ505 (E)	Delta King	-	-	47.5	09/14	32	1
MorSoy RT5553	MorSoy	-	49.0	46.9	09/14	41	1
5656RR/STS/N	Garst	-	-	46.6	09/12	33	1
HBK R5620	Hornbeck	-	42.6	46.6	09/20	36	1
TV56R11	Terral	-	48.1	46.3	09/15	36	1
AG5605	Asgrow	-	40.6	46.2	09/12	23	1
USG 7514nRR	USG	-	-	45.6	09/04	31	1
USG 7553nRR	USG	-	40.6	45.5	09/13	27	1
USG 7524nRR	USG	-	47.9	45.4	09/03	49	2
DG 33B52	Dyna-Gro	-	43.3	44.8	09/09	33	1
V55N5RR	Vigoro	-	-	44.8	09/11	38	1
DG 3535NRR	Dyna-Gro	-	45.8	44.6	09/14	33	1
Armor GP 513	Armor	-	39.8	44.6	09/12	30	1
NK S50-N3	NK	-	-	44.3	09/02	33	1
DG 5610RR	Delta Grow	-	-	44.2	09/13	24	1
DKB54-52	DEKALB	-	-	44.0	09/11	31	1
TVX52R301 (E)	Terral	-	22.9	43.9	09/09	35	1
DG 5630RR	Delta Grow	-	44.4	43.6	09/15	40	1
5225RR	Garst	-	-	43.5	09/12	32	1
RC 5555	Croplan Genetics	-	-	43.2	09/11	36	1
SS RT557N	Southern States	-	40.9	43.1	09/08	33	2
DG 5260RR	Delta Grow	-	38.5	43.1	09/13	30	1
ESXVT-19RR (E)	Eagle Seed	-	46.7	42.8	09/23	32	1
AG5402	Asgrow	-	-	42.8	09/12	30	1
HBK R5123	Hornbeck	-	40.2	42.7	09/12	46	2
95B43	Pioneer	-	37.4	42.6	09/11	26	1
DG 5650RR	Delta Grow	-	39.9	42.6	09/18	26	1
FFR 5033RR	FFR	-	-	42.6	09/02	32	2
RT 5540N	Southern States	-	-	42.4	09/12	33	1
AG5501	Asgrow	-	38.5	42.4	09/13	30	1
DG 3562NRR	Dyna-Gro	-	46.8	41.9	09/15	35	1
Progeny 5250RR	Progeny	-	38.4	41.6	09/20	29	1
DKB51-51	DEKALB	-	18.5	41.2	08/27	36	2
MorSoy RT5620	MorSoy	-	50.9	41.2	09/18	30	1
DP5634RR	DPL	-	42.9	41.1	09/18	33	1
PGY 5404RR (E)	PGY	-	-	40.9	09/22	24	1
HBK R5524	Hornbeck	-	-	40.6	09/13	32	1
FFR 5225RR	FFR	-	41.6	40.3	09/13	31	1
DP5414RR	DPL	-	45.1	40.1	09/15	38	1
DG 5460RR	Delta Grow	-	38.3	40.1	09/13	25	1
HBK R5422	Hornbeck	-	40.3	39.8	09/18	40	1
Armor 56-J6	Armor	-	39.7	39.2	09/22	31	1
DK 5161RR	Delta King	-	42.8	38.9	09/12	26	1
MorSoy RT5252	MorSoy	-	31.3	38.8	09/13	27	1
USG 510nRR	USG	-	-	38.5	09/13	28	1
AV 50D2NRR	AgVenture	-	-	38.4	08/27	33	3
DKXTJ555 (E)	Delta King	-	-	38.3	09/14	23	1
TVX56R405 (E)	Terral	-	-	38.2	09/13	26	1
HBK R5624	Hornbeck	-	-	37.6	09/10	32	1
TVX55RM23 (E)	Terral	-	-	37.5	09/14	36	1
TVX55RL23 (E)	Terral	-	-	36.5	09/13	34	1
DK55T6RR (E)	Delta King	-	-	36.4	09/23	33	1
Progeny 5660RR	Progeny	-	50.1	36.4	09/23	36	1
DG 5555RR	Delta Grow	-	-	36.2	09/12	33	1
TVX55RN23 (E)	Terral	-	-	36.0	09/14	32	1
AV52T2NRR	AgVenture	-	-	35.3	09/20	36	1
5212RR/N	Garst	-	43.1	35.2	09/23	41	1
HBK R5324	Hornbeck	-	-	34.3	09/11	28	1
NK S56-D7	NK	-	53.5	34.3	09/18	34	1
AV50J6NRR	AgVenture	-	-	34.3	09/02	25	1
USG 7523nRR	USG	-	-	33.3	09/11	31	1
DKXTJ554 (E)	Delta King	-	-	32.8	09/10	22	1
PGY 5622RR (E)	PGY	-	-	32.3	09/23	29	1
SS RT 5302N	Southern States	-	43.2	32.1	09/14	31	1
RC 5003	Croplan Genetics	-	-	31.4	09/03	31	1
SS RT 5602N	Southern States	-	32.4	31.0	09/21	24	1
545.RCP	Schillinger	-	-	28.3	09/14	24	1
Overall Mean	-	-	39.9	41.8			
LSD (.10)	-	-	7.4	7.4			
Error degrees of freedom	-	-	136	156			
CV (%)	-	-	13.7	13.0			
R <sup>2</sup> (%)	-	-	74	65			

<sup>1</sup>Vaiden silty clay soil. (E) = Experimental.  
<sup>2</sup>No 3-year yields.

**Table 66. Roundup Ready Maturity Group V Late Soybeans Planted April 22, 2004 (Mast Farms, Lowndes County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002 <sup>2</sup>	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP5806 RR	DPL	-	46.8	58.5	09/19	38	2
USG 570nRR	USG	-	45.4	57.5	09/18	41	3
TV62R11	Terral	-	47.1	56.5	09/22	37	2
AV 57D7RR	AgVenture	-	-	54.9	09/13	31	2
AG5905	Asgrow	-	-	54.1	09/16	36	1
AG5701	Asgrow	-	49.8	53.3	09/22	36	2
HBK R5924	Hornbeck	-	-	51.2	09/23	33	2
HBK XR561-04 (E)	Hornbeck	-	-	51.2	09/13	46	2
DP 5808RR	DPL	-	-	50.9	09/21	32	2
SS RT 5702N	Southern States	-	46.6	50.7	09/14	36	1
TV59R14	Terral	-	42.0	49.4	09/22	31	1
DG 38K57	Dyna-Gro	-	40.5	49.2	09/23	32	2
TVX57R408 (E)	Terral	-	-	49.1	09/24	30	2
DKB57-51	DEKALB	-	-	49.0	09/13	33	1
6112RR/N	Garst	-	48.0	48.1	09/26	40	1
DK5967RR	Delta King	-	37.9	48.1	09/20	30	2
Progeny 5703RR	Progeny	-	38.7	47.7	09/17	28	1
ES XVT46RR (E)	Eagle Seed	-	43.1	47.5	09/25	34	2
DK5767RR	Delta King	-	39.9	47.3	09/15	34	2
ESXVT-34RR (E)	Eagle Seed	-	51.2	47.1	09/28	37	1
DKB58-51	DEKALB	-	-	47.0	09/12	29	1
AG5903	Asgrow	-	46.9	46.5	09/23	34	2
MorSoy RT5773	MorSoy	-	38.0	46.3	09/14	35	1
DG SX04557 (E)	Dyna Gro	-	-	46.3	09/14	28	2
DKXTJ506 (E)	Delta King	-	-	46.2	09/14	35	2
95B96	Pioneer	-	43.4	46.0	09/17	31	1
TV57R14	Terral	-	33.5	45.4	09/22	39	1
USG 7582nRR	USG	-	39.3	44.1	09/19	35	2
DP5915RR	DPL	-	45.9	43.8	09/22	31	2
ESXVT-41RR (E)	Eagle Seed	-	44.4	43.4	09/22	36	2
DG 5960RR	Delta Grow	-	42.2	43.4	09/23	34	1
Armor 58-V8	Armor	-	40.9	42.8	09/14	35	1
TV58R12	Terral	-	39.9	42.6	09/22	40	2
SS RT 5999N	Southern States	-	44.3	41.8	09/22	31	1
DG 3583NRR	Dyna-Gro	-	37.3	41.4	09/23	37	2
TSR59RQ3 (E)	Terral	-	-	41.2	09/18	34	1
MorSoy RT5903	MorSoy	-	41.9	41.2	09/13	32	1
RT 5730N	Southern States	-	-	40.6	09/15	24	1
RC 5972	Croplan Genetics	-	-	40.5	09/23	36	1
5924RR/N	Garst	-	39.3	40.1	09/14	29	1
Progeny 5822RR	Progeny	-	45.1	40.0	09/23	32	1
5812RR/N	Garst	-	37.1	39.5	09/25	37	1
TSR57RK8 (E)	Terral	-	-	38.9	09/13	35	3
PGY 5714RR (E)	PGY	-	-	37.8	09/17	41	3
DG SX04159 (E)	Dyna Gro	-	-	36.1	09/15	48	2
95M80	Pioneer	-	-	32.3	09/14	32	1
Overall Mean		-	43.0	46.0			
LSD (.10)		-	5.4	9.9			
Error degrees of freedom		-	94	90			
CV (%)		-	9.2	15.9			
R <sup>2</sup> (%)		-	65	51			

<sup>1</sup>Vaiden silty clay soil. (E) = Experimental.

<sup>2</sup>No 3-year yields.

# Location 6. Ballground Plantation, Warren County

## Location Summary

The plot area was disked and do-alled just ahead of the planter. Soil moisture was very good at planting. Rainfall was above average for May and June, and soil moisture in July and August was adequate to finish the growing season. Grass control was not achieved in the third replication of the Maturity Group V Roundup Ready tests.

This resulted from heavy rainfall in May and June and poor drainage on the low end of the plot area. The Maturity Group IV tests were harvested in a timely manner, but harvest of the Maturity Group V tests was delayed by above-average rainfall in October. This delay in harvest caused losses in yield and seed quality.

Soil type	Loring silt loam
Soil pH	7.0
Soil fertility	P=H; K=H
Fertilizer added	None
Herbicide application	Preemergence – Conventional – Scepter @ 2.86 oz/A + Dual Magnum II @ 20 oz/A on 4-20-04 Roundup Ready – Dual Magnum II @ 20 oz/A on 4-20-04 Postemergence – Conventional – First Rate @ 0.3 oz/A + Select @ 8 oz/A + COC on 5-24-04 Roundup Ready – Roundup Weathermax @ 20 oz/A on 5-24-04
Planting date	April 19
Harvest date	Group IV Conv. & Group IV Early & Late RR – September 8 Group V E Conv. & RR – October 7 Group V L Conv. & RR – October 26

## Rainfall Summary

	Inches
April	3.00
May	10.10
June	13.30
July	2.80
August	3.20
September	0.70
October	3.50
<b>Total</b>	<b>36.60</b>

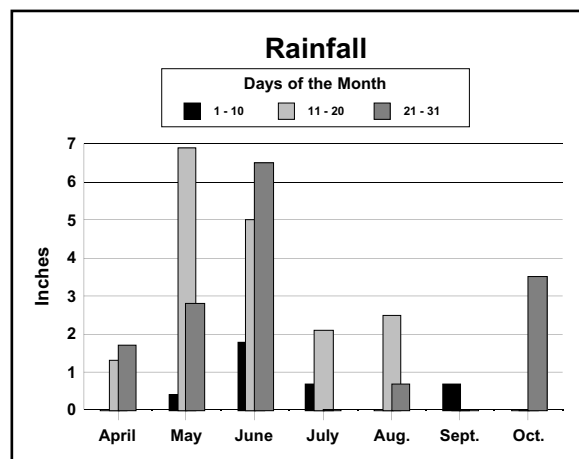


Table 67. Maturity Group IV Soybeans Planted April 19, 2004 (Ballground Plantation, Warren County).<sup>1</sup>

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002 <sup>2</sup>	2003	2004			
		bu/A	bu/A	bu/A		in	
DP4748S	DPL	-	41.7	63.1	08/25	32	1
DT97-4290 (E)	Public	-	58.0	60.4	08/27	33	1
Progeny 4910	Progeny	-	65.2	57.0	08/31	37	1
DT98-9102 (E)	Public	-	67.3	56.9	08/31	18	1
DT98-7278 (E)	Public	-	61.5	55.8	08/27	20	1
S00-9925-10 (E)	Public	-	-	54.9	08/31	15	1
DT99-17048 (E)	Public	-	-	51.3	09/04	24	1
R98-1817 (E)	Public	-	69.8	43.8	08/31	18	1
Overall Mean	-	-	57.6	55.4			
LSD (.10)	-	-	10.0	5.8			
Error degrees of freedom	-	-	16	14			
CV (%)	-	-	12.2	7.3			
R <sup>2</sup> (%)	-	-	75	80			

<sup>1</sup>Loring silt loam soil. (E) = Experimental.

<sup>2</sup>No 3-year yields.

**Table 68. Maturity Group V Early Soybeans Planted April 17, 2004 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Teejay	Public	-	75.7	68.7	09/07	28	1
USG 5002T	PVP	-	65.0	63.3	09/07	18	1
DB00-173 (E)	Public	-	-	62.1	09/07	26	1
S00-9970-08 (E)	Public	-	-	58.7	09/25	21	1
Ozark	Public	-	79.7	57.1	09/11	23	1
DB00-138 (E)	Public	-	-	57.0	09/25	23	1
DP5110S	DPL	17.8	59.5	57.0	09/07	32	2
DB00-002 (E)	Public	-	-	56.4	09/20	29	1
S00-9979-09 (E)	Public	-	-	55.7	09/25	21	1
Delsoy 5500	Public	-	71.2	54.9	09/22	19	1
DB00-141 (E)	Public	-	-	54.7	09/19	24	1
USG 5601T	PVP	-	72.1	53.6	09/24	22	1
Anand	Public	-	58.6	53.1	09/24	20	1
DB00-087 (E)	Public	-	-	52.5	09/25	25	2
DB00-155 (E)	Public	-	-	52.1	09/13	22	1
Overall Mean		15.1	68.2	57.1			
LSD (.10)		3.9	8.5	6.2			
Error degrees of freedom		10	26	28			
CV (%)		17.6	9.0	7.8			
R <sup>2</sup> (%)		81	64	70			

<sup>1</sup>Loring silt loam soil. (E) = Experimental.

**Table 69. Maturity Group V Late Soybeans Planted April 19, 2004 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DT99-17574 (E)	Public	-	51.2	46.5	09/13	24	4
Hutcheson	Public	13.8	68.0	45.8	09/25	23	1
DT98-11850 (E)	Public	-	63.5	45.0	09/22	26	1
DKXTJ458 (E)	Delta King	-	-	43.8	09/29	33	2
PGY 5770 (E)	PGY	-	-	40.5	09/28	28	2
HBK C5894	Hornbeck	-	-	39.3	09/25	33	4
Bolivar	Public	16.7	64.1	39.0	09/14	29	4
Freedom	Public	21.5	62.3	38.1	09/23	23	3
DK 5995	Delta King	14.2	59.0	38.1	10/01	30	1
R97-1634 (E)	Public	-	-	37.9	10/02	25	1
Overall Mean		16.8	61.6	41.4			
LSD (.10)		5.4	10.7	10.4			
Error degrees of freedom		18	26	18			
CV (%)		22.6	12.4	17.8			
R <sup>2</sup> (%)		77	63	29			

<sup>1</sup>Loring silt loam soil. (E) = Experimental.

**Table 70. Roundup Ready Maturity Group IV Early Soybeans Planted April 19, 2004 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date <sup>2</sup>	Plant height	Lodging score
		2002 <sup>2</sup>	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
465.RC	Schillinger	-	-	64.1	08/27	28	1
4612RR/N	Garst	-	43.5	62.5	08/27	27	1
DK 4461RR	Delta King	-	55.5	60.1	08/27	32	1
RC 4464	Croplan Genetics	-	-	59.9	08/23	24	1
TVX45RN21 (E)	Terral	-	-	59.5	08/20	35	1
DKB46-51	DEKALB	-	53.0	59.2	08/20	18	1
USG 7434nRR	USG	-	-	58.5	08/20	23	1
Armor 44-R5	Armor	-	45.8	58.3	08/27	21	1
USG 7443nRR	USG	-	-	58.0	08/18	24	1
DKXTJ446 (E)	Delta King	-	-	57.9	08/27	36	1
TVX46R401 (E)	Terral	-	-	56.7	08/27	28	1
TVX45RM21 (E)	Terral	-	-	56.5	08/20	32	1
DKXTJ546 (E)	Delta King	-	-	56.2	08/31	32	1
DKXTJ545 (E)	Delta King	-	-	56.1	08/24	26	1
435.RC	Schillinger	-	-	55.9	08/24	34	1
Progeny 4401RR	Progeny	-	51.9	55.6	08/24	27	1
DKB44-51	DEKALB	-	43.8	55.5	08/27	32	1
DP4331RR	DPL	-	44.1	55.4	08/28	28	1
AV46J5NRR	AgVenture	-	-	55.2	08/27	25	1
HBK R4623	Hornbeck	-	55.8	55.2	08/20	26	1
SS RT 4502N	Southern States	-	49.3	55.2	08/26	25	1
DKXTJ543 (E)	Delta King	-	-	55.0	08/24	30	1
AG4403	Asgrow	-	44.8	54.9	08/20	28	1
DKXTJ501 (E)	Delta King	-	-	54.6	08/20	35	1
AG4201	Asgrow	-	34.9	54.5	08/24	21	1
AG4603	Asgrow	-	49.9	54.5	08/24	20	1
TSR46RA5 (E)	Terral	-	-	54.3	08/27	32	1
DG 3463NRR	Dyna-Gro	-	50.7	53.8	08/20	32	1
AG4502	Asgrow	-	47.6	53.7	08/20	23	1
TVX45RL21 (E)	Terral	-	-	53.6	08/20	32	1
AVX45ANRR (E)	AgVenture	-	-	53.3	08/24	26	1
Genesis C444RR	Genesis	-	55.8	53.2	08/24	36	1
HBK R4023	Hornbeck	-	-	53.2	08/20	22	1
Armor 44-R4	Armor	-	47.6	53.0	08/24	27	1
DKXTJ540 (E)	Delta King	-	-	52.5	08/24	31	1
RC 4233	Croplan Genetics	-	-	52.2	08/24	27	1
NK S43-B1	NK	-	35.7	52.1	08/24	24	1
DP4546RR	DPL	-	48.8	52.0	08/27	27	1
USG 7440nRR	USG	-	53.7	50.5	08/30	29	1
DKXTJ541 (E)	Delta King	-	-	50.5	08/24	30	1
DG 4630RR	Delta Grow	-	-	50.4	09/01	25	1
E434NRR	Genesis	-	-	50.2	08/20	22	1
S02-679 (E)	Public	-	-	49.9	08/24	34	1
94M41	Pioneer	-	39.2	49.8	08/20	21	1
DG 3443NRR	Dyna-Gro	-	52.9	49.5	08/27	32	1
PGY 4304RR (E)	PGY	-	-	47.9	08/20	22	1
TVX44R401 (E)	Terral	-	-	47.7	08/20	22	1
PGY 4604RR (E)	PGY	-	-	47.6	08/31	24	1
DG 4340RR	Delta Grow	-	-	44.9	08/24	19	1
AG4102	Asgrow	-	-	40.7	08/17	22	1
Overall Mean		-	46.8	54.0			
LSD (.10)		-	9.1	8.3			
Error degrees of freedom		-	52	98			
CV (%)		-	14.2	11.3			
R <sup>2</sup> (%)		-	63	46			

<sup>1</sup>Loring silt loam soil. (E) = Experimental.

<sup>2</sup>No 3-year yields.

**Table 71. Roundup Ready Maturity Group IV Late Soybeans Planted April 19, 2004 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002 <sup>2</sup>	2003	2004			
		bu/A	bu/A	bu/A		in	
495.RC	Schillinger	-	-	65.4	09/01	27	1
AG4903	Asgrow	-	-	63.0	09/04	27	1
Genesis D484RR	Genesis	-	36.5	62.5	08/31	29	1
DG 4860RR	Delta Grow	-	42.6	62.1	08/28	32	1
USG 7482nRR	USG	-	-	61.4	08/30	28	1
DG 36M49	Dyna-Gro	-	59.6	61.2	09/01	24	1
MorSoy RT4802	MorSoy	-	44.3	61.2	08/24	27	1
DKXTJ542 (E)	Delta King	-	-	60.6	08/24	29	1
DG 4840RR	Delta Grow	-	-	59.9	08/24	29	1
DK4868RR	Delta King	-	46.6	59.4	08/31	27	1
DG 4970RR	Delta Grow	-	-	59.4	09/04	29	1
TVX48R413 (E)	Terral	-	-	59.0	08/31	29	1
Armor GP 474	Armor	-	56.6	58.8	08/27	30	1
HBK R4724	Hornbeck	-	-	58.6	08/31	32	1
Progeny 4949RR	Progeny	-	55.9	58.5	09/01	31	1
TVX48RL27 (E)	Terral	-	-	58.2	08/31	30	1
TVX48RM27 (E)	Terral	-	-	57.9	09/03	32	1
E484NRR	Genesis	-	-	57.7	08/24	32	2
XR48N20 (E)	Garst	-	-	57.7	08/27	26	1
DP4724RR	DPL	-	36.9	57.6	08/27	23	1
RT 5130N	Southern States	-	-	57.6	08/31	22	1
94M90	Pioneer	-	-	57.2	08/31	27	1
TVX48RN27 (E)	Terral	-	-	57.2	09/01	32	1
HBK R4820	Hornbeck	-	42.3	57.0	08/30	30	1
5012RR/N	Garst	-	-	56.8	09/01	20	1
DG 4960RR	Delta Grow	-	69.1	56.5	08/31	22	1
V48N5RR	Vigoro	-	-	56.4	08/28	32	1
USG 7494nRR	USG	-	-	56.3	08/27	28	1
DKXTJ54J9 (E)	Delta King	-	-	56.3	08/31	38	1
AV49J7NRR	AgVenture	-	-	56.0	08/24	32	1
DPX4891RR (E)	DPL	-	-	55.9	08/31	26	1
Progeny 4703RR	Progeny	-	71.6	55.7	08/31	38	1
AG4902	Asgrow	-	39.4	55.5	08/27	30	1
4999RR/N	Garst	-	-	55.5	08/31	30	1
Progeny 4860RR	Progeny	-	66.8	55.3	09/01	28	1
NK S49-Q9	NK	-	63.0	55.3	09/04	28	1
PGY 4804RR (E)	PGY	-	-	55.1	08/31	31	1
DG 3481NRR	Dyna-Gro	-	46.2	55.0	08/27	26	1
Armor GP 499	Armor	-	-	54.4	08/31	34	2
DKXTJ548 (E)	Delta King	-	-	54.3	08/27	27	1
DKXTJ503 (E)	Delta King	-	-	53.5	08/27	31	1
TV49R12	Terral	-	55.4	53.4	08/27	42	2
DKXTJ502 (E)	Delta King	-	-	53.0	08/31	29	1
MorSoy RT4993	MorSoy	-	52.3	53.0	08/24	29	1
HBK R4924	Hornbeck	-	-	52.3	08/31	30	1
Progeny 4932RR	Progeny	-	59.4	52.0	08/31	35	1
SS RT 4902	Southern States	-	53.3	52.0	08/31	37	1
TSR47RT6 (E)	Terral	-	-	51.9	08/31	32	1
SS RT4980	Southern States	-	43.1	51.9	08/30	32	1
Armor 49-T3	Armor	-	-	51.7	08/31	27	1
TVX49R302 (E)	Terral	-	-	51.3	09/01	38	2
DK4967RR	Delta King	-	47.9	51.2	08/28	28	1
DK 4763RR	Delta King	-	46.8	50.9	08/27	22	1
RC 4842	Croplan Genetics	-	-	50.6	08/27	28	1
DKXTJ448 (E)	Delta King	-	-	50.4	09/01	35	1
S02-677 (E)	Public	-	-	50.1	08/31	32	1
94B73	Pioneer	-	35.6	49.9	08/27	28	1
4888RR	Garst	-	-	49.1	09/01	34	1
SS RT517N	Southern States	-	59.4	49.0	09/01	20	1
HBK R4945CX	Hornbeck	-	-	48.8	08/27	29	1
AG4801	Asgrow	-	-	48.2	08/25	22	1
USG 7499nRR	USG	-	-	48.2	08/27	36	1
FFR 4922RR	FFR	-	56.6	47.4	09/04	41	2
S02-683 (E)	Public	-	-	47.3	09/01	32	1
Armor 47-G7	Armor	-	39.0	45.8	08/28	29	1
DKXTJ54X9 (E)	Delta King	-	-	45.3	08/30	29	1
DP4933RR	DPL	-	48.4	45.3	08/31	29	1
ESXVT-17RR (E)	Eagle Seed	-	68.9	45.2	08/31	44	3
Progeny 4858RR	Progeny	-	-	44.1	08/27	30	1
USG 7484nRR	USG	-	-	43.6	08/27	26	1
Genesis D491RR	Genesis	-	42.3	43.2	08/27	27	1
MorSoy RT4809	MorSoy	-	43.7	42.8	08/27	28	1
DKXTJ549 (E)	Delta King	-	-	41.8	08/30	32	1
SS-RT 5001N	Southern States	-	61.6	41.0	08/31	25	1
SG498RR	DPL	-	54.6	37.5	09/03	27	1
Overall Mean		-	50.8	53.5			
LSD (.10)		-	7.1	103			
Error degrees of freedom		-	104	148			
CV (%)		-	10.4	14.3			
R <sup>2</sup> (%)		-	84	57			

<sup>1</sup>Loring silt loam soil. (E) = Experimental.

<sup>2</sup>No 3-year yields.

**Table 72. Roundup Ready Maturity Group V Early Soybeans Planted April 19, 2004 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK R5624	Hornbeck	-	-	57.1	09/13	20	1
RC 5555	Croplan Genetics	-	-	54.0	09/24	23	1
USG 510nRR	USG	-	-	53.4	09/08	22	1
DG 33B52	Dyna-Gro	-	56.2	53.3	09/03	20	1
DKB51-51	DEKALB	-	31.5	52.8	09/12	29	1
Progeny 5250RR	Progeny	16.8	54.6	51.7	09/12	20	1
RT 5540N	Southern States	-	-	51.7	09/18	19	1
DKB54-52	DEKALB	-	-	51.0	09/25	17	1
TVX52R301 (E)	Terral	-	56.2	50.8	09/04	20	1
NK S56-D7	NK	23.7	63.9	50.2	09/26	24	1
MorSoy RT5553	MorSoy	-	61.2	49.7	09/22	19	1
TVX55RL23 (E)	Terral	-	-	49.6	09/21	25	1
DP5414RR	DPL	31.6	55.8	48.2	09/13	26	1
HBK R5524	Hornbeck	-	-	47.9	09/21	15	1
USG 7553nRR	USG	-	55.8	47.8	09/18	21	1
DG 5555RR	Delta Grow	-	-	47.0	09/19	23	1
HBK R5324	Hornbeck	-	-	46.9	09/04	18	1
AG5402	Asgrow	-	-	46.7	09/24	19	1
5225RR	Garst	-	-	46.6	09/16	21	1
DK 5668RR	Delta King	20.7	55.0	46.6	09/13	19	1
FFR 5663RR	FFR	-	-	46.3	09/18	18	1
AV 50D2NRR	AgVenture	-	-	45.7	09/04	25	1
USG 7514nRR	USG	-	-	45.7	09/04	18	1
SS RT557N	Southern States	21.1	58.7	45.7	09/13	23	1
DP5634RR	DPL	17.3	59.9	44.8	09/25	25	1
DG 5650RR	Delta Grow	-	59.8	44.7	09/22	19	1
FFR 5033RR	FFR	-	-	44.7	09/02	19	1
AG5605	Asgrow	-	56.0	44.5	09/23	18	1
DK 5161RR	Delta King	-	61.9	43.8	09/07	22	1
Genesis D524RR	Genesis	-	58.3	43.7	09/04	17	1
S02-611 (E)	Public	-	-	43.5	09/13	24	1
DG 5260RR	Delta Grow	-	66.1	43.4	09/08	22	1
95B43	Pioneer	17.3	58.3	43.4	09/24	23	1
MorSoy RT5620	MorSoy	17.6	57.8	43.4	09/25	21	1
MorSoy RT5252	MorSoy	21.0	55.9	43.2	09/07	17	1
Armor GP 513	Armor	-	61.8	43.1	09/15	24	1
5656RR/STS/N	Garst	-	-	43.1	09/14	19	1
Armor 56-J6	Armor	23.0	54.5	42.8	10/03	23	1
V55N5RR	Vigoro	-	-	42.8	09/18	22	1
RC 5003	Croplan Genetics	-	-	41.6	08/27	21	1
TVX55RN23 (E)	Terral	-	-	40.9	09/18	20	1
AV50J6NRR	AgVenture	-	-	40.7	08/31	18	1
TV56R12	Terral	-	65.2	40.4	09/28	22	1
DG 5460RR	Delta Grow	-	64.1	40.3	09/17	17	1
TVX55RM23 (E)	Terral	-	-	40.1	09/13	22	1
Armor GP 530	Armor	-	-	39.9	09/08	17	1
DG 3562NRR	Dyna-Gro	20.5	53.9	39.8	09/17	21	1
Armor 54-03	Armor	-	-	39.7	09/07	17	1
Morsoy RT5204	Morsoy	-	-	39.6	09/04	18	1
TVX55R403 (E)	Terral	-	-	39.5	09/14	21	1
DKXTJ555E	Delta King	-	-	39.4	09/23	18	1
PGY 5404RR (E)	PGY	-	-	39.1	09/26	18	1
AG5501	Asgrow	24.2	45.4	39.1	09/25	18	1
DG 5610RR	Delta Grow	-	-	38.6	09/18	23	1
ESXVT-19RR (E)	Eagle Seed	-	51.2	38.5	10/07	22	1
DK 5366RR	Delta King	24.0	53.9	38.4	09/25	24	1
SS RT 5602N	Southern States	-	45.9	38.0	09/13	20	1
5212RR/N	Garst	-	52.0	37.6	09/26	24	1
HBK R5422	Hornbeck	16.2	56.5	37.1	09/26	22	1
AV52T2NRR	AgVenture	-	-	36.9	09/26	23	1
SS RT 5302N	Southern States	23.1	49.0	36.6	09/14	21	1
TVX56R405 (E)	Terral	-	-	35.9	09/24	19	1
USG 7523nRR	USG	-	-	35.6	09/24	22	1
DG 3535NRR	Dyna-Gro	16.3	59.3	35.1	09/13	21	1
NK S50-N3	NK	-	-	34.7	09/07	29	1
DKXTJ554 (E)	Delta King	-	-	34.7	09/07	17	1
V562NRR	Vigoro	-	57.2	34.5	09/19	24	1
HBK R5620	Hornbeck	20.1	55.8	33.7	09/26	20	1
USG 7524nRR	USG	-	25.1	33.7	09/04	39	1
DG 5630RR	Delta Grow	18.7	57.9	33.1	09/25	19	1
FFR 5225RR	FFR	-	55.7	33.0	09/14	22	1
TV56R11	Terral	21.3	60.0	32.9	09/25	21	1
PGY 5622RR (E)	PGY	-	-	32.7	10/05	20	1
HBK R5123	Hornbeck	-	39.4	31.8	09/25	45	1
DKXTJ505 (E)	Delta King	-	-	31.7	09/24	18	1
Progeny 5503RR	Progeny	-	56.8	31.6	09/17	19	1
Progeny 5660RR	Progeny	19.9	58.2	31.3	10/05	23	1
DK55T6RR (E)	Delta King	-	-	30.7	09/24	20	1
545.RCP	Schillinger	-	-	28.8	09/07	18	1
Overall Mean		18.5	54.6	41.8			
LSD (.10)		7.0	6.7	8.4			
Error degrees of freedom		120	136	78			
CV (%)		28.1	9.1	12.1			
R <sup>2</sup> (%)		56	84	78			

<sup>1</sup>Loring silt loam soil. (E) = Experimental.



**Table 73. Roundup Ready Maturity Group V Late Soybeans Planted April 19, 2004 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2002	2003	2004			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TSR59RQ3 (E)	Terral	-	-	44.5	09/26	19	1
TSR57RK8 (E)	Terral	-	-	41.0	09/24	23	1
TV57R14	Terral	-	52.6	39.5	09/25	20	1
DG SX04557 (E)	Dyna Gro	-	-	38.8	09/14	20	1
5924RR/N	Garst	-	55.3	34.8	10/02	20	1
MorSoy RT5773	MorSoy	-	59.7	33.8	10/03	24	1
AV 57D7RR	AgVenture	-	-	32.5	09/26	18	1
DKB57-51	DEKALB	-	-	32.4	09/21	21	1
MorSoy RT5903	MorSoy	-	49.1	32.2	09/24	19	1
DP 5808RR	DPL	-	-	29.6	09/26	22	1
TV58R12	Terral	-	51.8	28.1	10/12	21	1
HBK XR561-04 (E)	Hornbeck	-	-	27.4	09/13	43	4
SS RT 5702N	Southern States	17.5	45.3	26.8	09/29	25	1
TV59R14	Terral	-	51.7	26.6	09/25	17	1
Armor 58-V8	Armor	-	53.4	26.5	10/02	22	1
SS RT 5999N	Southern States	19.9	53.5	26.3	09/26	28	1
DG 5960RR	Delta Grow	26.6	52.0	25.7	09/29	23	1
95M80	Pioneer	-	-	25.6	09/25	22	1
Progeny 5703RR	Progeny	-	48.7	25.2	09/26	22	1
DKB58-51	DEKALB	-	-	24.9	09/17	17	1
RC 5972	Croplan Genetics	-	-	24.9	09/26	19	1
DKXTJ506 (E)	Delta King	-	-	24.6	09/24	18	1
5812RR/N	Garst	-	51.6	24.4	10/01	29	1
HBK R5924	Hornbeck	-	-	24.3	10/12	24	1
DP5915RR	DPL	23.6	53.1	23.9	10/18	19	1
DK5967RR	Delta King	-	52.5	23.7	09/29	21	1
DG 38K57	Dyna-Gro	-	56.7	23.4	09/23	19	1
DG 3583NRR	Dyna-Gro	27.6	52.9	23.3	09/29	21	1
AG5905	Asgrow	-	-	22.4	10/05	25	1
DK5767RR	Delta King	-	58.1	21.9	09/24	21	1
95B96	Pioneer	25.1	52.0	20.4	10/03	20	1
TVX57R408 (E)	Terral	-	-	20.2	09/18	15	1
Progeny 5822RR	Progeny	23.4	57.1	20.1	10/03	23	1
TV62R11	Terral	-	60.2	18.8	10/05	18	1
USG 7582nRR	USG	29.8	52.8	18.3	09/29	22	1
ES XVT46RR (E)	Eagle Seed	27.5	49.6	17.9	10/26	21	1
6112RR/N	Garst	-	58.7	17.9	10/12	24	1
DP5806 RR	DPL	24.9	52.5	17.5	10/26	22	1
USG 570nRR	USG	20.3	60.5	16.8	10/26	24	1
AG5903	Asgrow	24.0	62.2	16.5	10/05	22	1
ESXVT-41RR (E)	Eagle Seed	-	43.9	15.1	10/26	22	1
PGY 5714RR (E)	PGY	-	-	14.1	10/12	26	1
AG5701	Asgrow	22.2	57.3	12.1	10/05	19	1
RT 5730N	Southern States	-	-	10.2	08/31	15	4
ESXVT-34RR (E)	Eagle Seed	-	36.6	6.9	10/26	29	1
DG SX04159 (E)	Dyna Gro	-	-	1.1	10/18	49	4
Overall Mean		22.1	53.1	24.0			
LSD (.10)		6.9	8.0	9.6			
Error degrees of freedom		62	94	45			
CV (%)		22.9	11.1	23.7			
R <sup>2</sup> (%)		55	74	84			

<sup>1</sup>Loring silt loam soil. (E) = Experimental.

# Plant Characteristics

**Table 74. Plant Characteristics of Maturity Group IV Soybeans.<sup>1</sup>**

Variety	Brand	Color				Seeds <sup>2</sup>	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I <sup>3</sup>	RM <sup>4</sup>		
DP4748S	DPL	white	tawny	brown	black	<i>no./lb</i> 2800	I	4.7	% 36.0	% 20.6
Progeny 4910	Progeny	white/purple	lt. tawny	tan	black	2900	I	4.9	35.8	20.7
DT97-4290 (E)	Public	purple	tawny	tan	black	2900	I	4.9	35.9	20.3
DT98-7278 (E)	Public	white	tawny	tan	brown	2500	I	4.7	36.3	20.1
DT98-9102 (E)	Public	white	gray	tan	buff	2800	I	4.8	35.0	20.4
DT99-17048 (E)	Public	white	tawny	tan	tan	3200	I	4.8	35.8	19.9
R98-1817 (E)	Public	purple	gray	tan	tan	3300	D	4.8	36.0	19.8
S00-9925-10 (E)	Public	white	tawny	tan	tan	3400	I	4.9	35.0	20.5

<sup>1</sup>(E) = Experimental.

<sup>2</sup>Represents an average number of seed per pound, seed may vary according to season and location.

<sup>3</sup>D = determinate; I = indeterminate.

<sup>4</sup>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 75. Plant Characteristics of Maturity Group V Early Soybeans.<sup>1</sup>**

Variety	Brand	Color				Seeds <sup>2</sup>	RM <sup>3</sup>	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
DP5110S	DPL	white	tawny	tan	brown	<i>no./lb</i> 2800	5.1	% 35.5	% 20.8
DB00-002 (E)	Public	white purpl	tawny	tan	brown	2900	5.1	36.1	20.6
DB00-087 (E)	Public	purple	tawny	tan	brown	3100	5.5	36.4	20.1
DB00-138 (E)	Public	purple	tawny	tan	brown	3300	5.4	35.9	20.6
DB00-141 (E)	Public	purple	gray	tan	brown	3500	5.5	36.8	20.5
DB00-155 (E)	Public	purple	gray	tan	brown	2900	5.5	36.5	20.2
DB00-173 (E)	Public	white	tawny	tan	brown	3200	5.1	36.6	20.2
Teejay	Public	purple	gray	brown	buff	2100	5.3	35.8	20.5
OZARK	Public	purple	gray	tan	imp. black	2600	5.3	35.4	20.8
ANAND	Public	purple	tawny	tan	black	3000	5.5	35.9	20.6
Delsoy 5500	Public	white	tawny	tan	brown	3000	5.5	36.3	20.5
S00-9979-09 (E)	Public	purple	tawny	tan	black	2900	5.5	35.8	20.7
S00-9970-08 (E)	Public	purple	tawny	tan	black	3000	5.6	35.9	20.6
USG 5002T	PVP	white	tawny	tan	imp. black	2200	5.0	35.9	21.0
USG 5601T	PVP	white	gray	tan	buff	2800	5.6	36.6	20.0

<sup>1</sup>(E) = Experimental.

<sup>2</sup>Represents an average number of seed per pound, seed may vary according to season and location.

<sup>3</sup>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 76. Plant Characteristics of Maturity Group V Late Soybeans.<sup>1</sup>**

Variety	Brand	Color				Seeds <sup>2</sup>	RM <sup>3</sup>	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
DK5995	Delta King	white	gray	tan	buff	<i>no./lb</i> 2800	5.9	% 36.1	% 20.4
DK XTJ458 (E)	Delta King	purple	gray	tan	imp. black	2400	5.8	36.1	20.6
HBK C5894	Hornbeck	purple	gray	tan	imp. black	2400	5.8	36.3	20.6
PGY 5770 (E)	PGY	-	-	-	-	2600	5.7	35.3	20.8
DT98-11850 (E)	Public	purple	tawny	tan	-	3200	5.7	35.4	20.4
DT99-17574 (E)	Public	white	tawny	tan	-	2800	5.7	36.3	20.5
Bolivar	Public	purple	tawny	tan	black	2900	5.8	36.5	20.1
Freedom	Public	white	gray	tan	buff	2800	5.7	35.8	20.4
Hutcheson	Public	white	gray	tan	buff	2700	5.7	35.8	20.6
R97-1634 (E)	Public	white	gray	tan	buff	2400	5.7	35.7	20.9

<sup>1</sup>(E) = Experimental.

<sup>2</sup>Represents an average number of seed per pound, seed may vary according to season and location.

<sup>3</sup>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 77. Plant Characteristics of Roundup Ready Maturity Group III Soybeans.<sup>1</sup>**

Variety	Brand	Color				Seeds <sup>2</sup>	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I <sup>3</sup>	RM <sup>4</sup>		
Armor 39-E9	Armor	white	gray	tan	buff	<i>no./lb</i> 2700	I	3.9	% 35.8	% 21.3
Armor GP 470	Armor	-	-	-	-	2100	I	3.9	35.7	19.8
AG3802	Asgrow	purple	gray	brown	imp. black	2800	I	3.8	36.6	20.1
AG3905	Asgrow	purple	gray	brown	imp. black	2900	I	3.9	36.1	20.4
AG3906	Asgrow	purple	tawny	brown	black	2700	I	3.9	35.8	20.7
DK3964RR	Delta King	white	tawny	tan	black	2800	I	3.9	36.4	20.2
DK3968RR	Delta King	white	gray	tan	buff	3000	I	3.9	35.9	21.0
DP3861RR	DPL	purple	gray	tan	imp. black	3200	I	3.8	36.5	20.4
DPX3950RR (E)	DPL	purple	lt. tawny	tan	imp. black	2400	I	3.9	36.0	20.8
NK S39-K6	NK Brand	purple	tawny	tan	black	3000	I	3.9	36.6	20.6
P39M90	Pioneer	purple	gray	brown	imp. black	2700	I	3.9	36.3	20.6
Progeny 3900RR	Progeny	purple	lt. tawny	tan	black	2400	I	3.9	36.0	21.1
TV39RS31	Terral	purple	gray	brown	imp. black	2500	I	3.9	35.8	20.6

<sup>1</sup>(E) = Experimental.

<sup>2</sup>Represents an average number of seed per pound, seed may vary according to season and location.

<sup>3</sup>D = determinate; I = indeterminate.

<sup>4</sup>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 78. Plant Characteristics of Roundup Ready Maturity Group IV Early Soybeans.<sup>1</sup>**

Variety	Brand	Color				Seeds <sup>2</sup>	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/1 <sup>3</sup>	RM <sup>4</sup>		
AV46J5NRR	AgVenture	purple	tawny	tan	black	<i>no./lb</i> 2300	I	4.6	% 35.9	% 20.7
AVX 45ANRR (E)	AgVenture	white	lt. tawny	tan	black	2300	I	4.5	34.8	21.1
Armor 44-R4	Armor	purple	gray	tawny	black	3000	I	4.4	34.3	21.7
Armor 44-R5	Armor	purple	brown	tan	black	2000	I	4.4	35.6	20.6
AG4102	Asgrow	purple	gray	brown	imp. black	2800	I	4.1	36.1	20.4
AG4201	Asgrow	white	tawny	tan	black	3000	I	4.2	36.3	20.4
AG4403	Asgrow	purple	lt. tawny	tan	black	3200	I	4.4	35.4	21.1
AG4502	Asgrow	purple	tawny	tan	black	2900	I	4.5	36.7	20.0
AG4603	Asgrow	white	tawny	tan	black	2800	I	4.6	35.7	20.0
RC 4233	Croplan Genetics	purple	lt. tawny	tan	black	2400	-	4.2	35.6	20.4
RC 4464	Croplan Genetics	white	tawny	brown	black	2700	-	4.4	35.8	20.5
DKB44-51	DEKALB	purple	lt. tawny	brown	black	3000	I	4.4	35.4	21.2
DKB46-51	DEKALB	white	tawny	tan	black	2700	I	4.6	36.2	20.3
DG 4340RR	Delta Grow	white	tawny	brown	black	2800	I	4.3	35.6	20.8
DG 4630RR	Delta Grow	purple	lt. tawny	brown	black	2900	I	4.6	35.9	20.4
DK4461RR	Delta King	purple	tawny	brown	black	2700	I	4.6	34.4	21.7
DK XTJ446RR (E)	Delta King	purple	tawny	brown	black	2200	I	4.6	36.0	20.1
DK XTJ501RR (E)	Delta King	purple	gray	brown	black	2700	I	4.4	34.5	21.4
DK XTJ540RR (E)	Delta King	purple	tawny	brown	black	3100	I	4.0	35.1	20.6
DK XTJ541RR (E)	Delta King	purple	tawny	tan	black	3100	I	4.1	35.2	20.7
DK XTJ543RR (E)	Delta King	white	tawny	brown	black	2700	I	4.3	35.2	21.1
DK XTJ545RR (E)	Delta King	white	lt. tawny	tan	black	2200	I	4.5	35.3	20.6
DK XTJ546RR (E)	Delta King	purple	tawny	brown	black	2800	I	4.6	35.5	20.5
DP4331RR	DPL	purple	lt. tawny	brown	black	3100	I	4.3	35.2	20.9
DP4546RR	DPL	white	tawny	tan	black	2700	I	4.5	35.5	20.3
DG 3443NRR	Dyna Gro	purple	tawny	brown	black	2600	I	4.4	34.1	21.9
DG 3463NRR	Dyna Gro	white	tawny	tan	black	3100	I	4.6	35.6	20.4
Garst 4612RR/N	Garst	purple	tawny	tan	black	2500	I	4.6	36.1	20.5
C444RR	Genesis	purple	tawny	tawny	black	3300	I	4.4	34.5	21.6
E434NRR	Genesis	white	tawny	brown	black	2700	I	4.3	35.7	21.0
HBK R4023	Hornbeck	purple	tawny	tan	black	3000	I	4.1	36.2	20.5
HBK R4623	Hornbeck	purple	tawny	tan	black	3000	I	4.5	35.5	20.9
NK S43-B1	NK Brand	purple	tawny	tan	brown	2800	I	4.3	36.3	19.7
P94M41	Pioneer	white	tawny	brown	black	2300	I	4.4	36.1	20.6
Progeny 4401RR	Progeny	purple	lt. tawny	brown	black	2800	I	4.4	34.5	21.9
PGY 4304RR (E)	PGY	white	tawny	brown	black	2700	I	4.3	35.9	20.6
PGY 4604RR (E)	PGY	purple	lt. tawny	brown	black	2900	I	4.6	35.9	20.7
435.RC	Schillinger	purple	tawny	brown	black	3000	I	4.3	35.4	20.8
465.RC	Schillinger	purple	tawny	tan	black	2900	I	4.6	35.5	20.7
SS RT4502	Southern States	white	tawny	tan	black	3100	I	4.5	35.7	21.0
TSR46RA5 (E)	Terral	white	tawny	tan	black	2800	-	4.6	34.7	21.2
TVX44R401 (E)	Terral	white	tawny	tan	black	2700	I	4.4	35.7	20.7
TVX45RL21 (E)	Terral	purple	tawny	tan	black	3100	I	4.5	34.7	20.8
TVX45RM21 (E)	Terral	purple	tawny	tan	black	2700	I	4.5	35.6	20.9
TVX45RN21 (E)	Terral	purple	tawny	tan	black	3200	I	4.5	34.7	21.0
TVX46R401 (E)	Terral	purple	tawny	brown	black	2900	I	4.6	35.8	20.5
USG 7434nRR	USG	purple	tawny	tan	black	2000	I	4.3	35.9	20.4
USG 7440nRR	USG	purple	lt. tawny	tan	brown	2800	I	4.4	34.6	21.6
USG 7443nRR	USG	white	tawny	brown	black	2700	I	4.4	35.4	20.5
S02-679 (E)	Public	white	tawny	tan	black	2800	I	4.6	34.9	20.8

<sup>1</sup>(E) = Experimental.

<sup>2</sup>Represents an average number of seed per pound, seed may vary according to season and location.

<sup>3</sup>D = determinate; I = indeterminate

<sup>4</sup>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 79. Plant Characteristics of Roundup Ready Maturity Group IV Late Soybeans.<sup>1</sup>**

Variety	Brand	Color				Seeds <sup>2</sup> <i>no./lb</i>	Growth		Protein %	Oil %
		Bloom	Pubescence	Pod wall	Hilum		D/I <sup>3</sup>	RM <sup>4</sup>		
AV49J7NRR	AgVenture	purple	lt. tawny	tan	black	2600	I	4.9	35.6	20.7
Armor 47-G7	Armor	white	brown	tan	black	2700	I	4.7	36.2	20.2
Armor GP 474	Armor	purple	gray	tawny	black	2800	I	4.9	35.8	20.4
Armor GP 499	Armor	-	-	-	-	2800	I	4.8	35.0	21.1
Armor 49-T3	Armor	-	-	-	-	3100	I	4.8	35.0	20.7
AG4801	Asgrow	white	tawny	brown	black	3000	I	4.8	36.2	20.8
AG4902	Asgrow	white	tawny	tan	black	2800	I	4.9	36.7	20.0
AG4903	Asgrow	purple	lt. tawny	tan	black	2700	I	4.9	35.2	21.2
RC 4842	Croplan Genetics	purple	tawny	tan	black	2700	-	4.8	36.3	20.7
DG 4840RR	Delta Grow	purple	lt. tawny	tan	black	2600	I	4.8	35.8	20.6
DG 4860RR	Delta Grow	purple	tawny	tan	black	2300	I	4.8	36.4	20.8
DG 4960RR	Delta Grow	purple	gray	tan	buff	2400	D	4.9	36.4	20.6
DG 4970RR	Delta Grow	purple	lt. tawny	brown	buff	2500	I	4.9	36.4	20.2
DK4763RR	Delta King	white	tawny	tan	black	2500	I	4.7	36.6	20.2
DK4868RR	Delta King	white	lt. tawny	brown	black	2700	I	4.8	35.1	21.1
DK4967RR	Delta King	purple	tawny	tan	black	2500	I	4.9	36.4	20.7
DK XTJ448RR (E)	Delta King	white	tawny	tan	black	3100	I	4.8	35.3	20.5
DK XTJ54J9RR (E)	Delta King	purple	tawny	tan	black	3000	I	4.9	35.5	20.8
DK XTJ54X9 (E)	Delta King	purple	tawny	tan	black	2700	I	4.9	35.9	20.6
DK XTJ502RR (E)	Delta King	white	tawny	tan	black	2700	I	4.7	36.6	20.3
DK XTJ503RR (E)	Delta King	purple	tawny	tan	black	2700	I	4.9	36.3	20.6
DK XTJ542RR (E)	Delta King	purple	tawny	brown	black	2600	I	4.2	36.6	19.8
DK XTJ548RR (E)	Delta King	purple	lt. tawny	brown	black	3100	I	4.8	35.3	20.5
DK XTJ549RR (E)	Delta King	white	tawny	brown	black	3100	I	4.9	35.2	20.6
DP4724RR	DPL	purple	tawny	tan	black	2700	I	4.7	36.3	20.7
DP4933RR	DPL	white	gray	tan	buff	3300	I	4.9	35.9	20.2
DPX4891RR (E)	DPL	purple	tawny	-	-	2700	I	4.8	35.8	20.4
SG498RR	DPL	white	tawny	tan	black	2900	I	4.9	36.1	20.2
DG 3481NRR	Dyna Gro	purple	tawny	tan	black	2100	I	4.8	36.7	20.5
DG 36M49	Dyna Gro	purple	lt. tawny	tan	black	2700	I	4.9	36.0	20.3
ESXVT-17RR (E)	Eagle	purple	gray	tan	imp. black	2900	I	4.9	34.7	21.2
FFR 4922RR	FFR	white	gray	tan	buff	3300	I	4.9	35.4	20.3
Garst 4888RR	Garst	purple	lt. tawny	tan	black	2500	I	4.8	35.7	21.0
Garst 5012RR/N	Garst	purple	gray	tan	buff	2200	D	4.9	36.4	20.4
Garst XR48N20 (E)	Garst	purple	lt. tawny	tan	black	2700	I	4.8	35.8	20.6
Garst 4999RR/N	Garst	purple	lt. tawny	brown	imp. black	2700	I	4.9	35.3	20.9
D484RR	Genesis	purple	tan	tawny	black	2600	I	4.8	36.5	20.5
D491RR	Genesis	purple	tan	lt. tawny	black	2800	I	4.9	35.9	20.6
E484NRR	Genesis	purple	tawny	tan	black	2800	I	4.8	35.6	20.5
HBK R4724	Hornbeck	purple	lt. tawny	lt. brown	black	2600	I	4.8	35.8	20.5
HBK R4820	Hornbeck	white	lt. tawny	brown	black	2400	I	4.8	35.1	21.0
HBK R4924	Hornbeck	purple	gray	brown	lt. black	2800	I	4.9	35.1	21.0
HBK R4945CX	Hornbeck	purple	tawny	tan	black	2900	I	4.9	35.7	20.9
RT 4802	Morsoy	purple	tawny	tan	black	2700	D	4.8	36.3	20.6
RT 4809	Morsoy	white	lt. tawny	brown	black	2600	I	4.8	34.9	21.0
RT 4993	Morsoy	purple	lt. tawny	tan	black	2700	D	4.9	35.5	20.5
NK S49-Q9	NK Brand	purple	gray	tan	imp. black	3400	I	4.9	35.8	19.9
P94B73	Pioneer	purple	lt. tawny	tan	black	2700	I	4.9	36.6	20.6
P94M90	Pioneer	purple	lt. tawny	brown	black	2600	I	4.9	35.2	21.0
Progeny 4703RR	Progeny	purple	tawny	brown	black	2400	I	4.7	35.6	21.1
Progeny 4858RR	Progeny	white	tawny	tan	black	2700	I	4.8	36.0	20.4
Progeny 4932RR	Progeny	white	gray	tan	buff	3300	I	4.9	35.8	20.2
Progeny 4860RR	Progeny	purple	gray	tan	black	2300	I	4.8	36.4	20.4
Progeny 4949RR	Progeny	white	tawny	brown	black	2200	I	4.9	35.7	20.7
PGY 4804RR (E)	PGY	purple	lt. tawny	tan	black	2800	I	4.8	35.7	20.5
495.RC	Schillinger	purple	lt. tawny	brown	black	2700	I	4.9	36.1	20.2
SS RT4902	Southern States	white	gray	tan	buff	3300	I	4.9	36.1	20.0
SS RT4980	Southern States	purple	lt. tawny	tan	black	3000	I	4.9	35.1	21.5
SS RT517N	Southern States	purple	gray	tan	buff	2600	D	4.9	35.9	20.4
SS RT5001N	Southern States	purple	gray	tan	imp. black	2900	D	4.9	36.2	20.1
SS RT5130N	Southern States	white	gray	tan	buff	2400	D	4.9	36.7	20.5
TSR47RT6 (E)	Terral	purple	tawny	tan	black	2800	-	4.7	35.1	21.1
TV49R12	Terral	purple	tawny	brown	black	2900	I	4.9	36.0	20.5
TVX48R413 (E)	Terral	purple	tawny	tan	black	2400	I	4.8	35.8	20.5
TVX48RL27 (E)	Terral	purple	tawny	tan	black	2600	I	4.8	35.6	20.9
TVX48RM27 (E)	Terral	purple	tawny	tan	black	2600	I	4.8	35.5	21.0
TVX48RN27 (E)	Terral	purple	tawny	tan	black	2500	I	4.8	35.5	20.9
TVX49R302 (E)	Terral	purple	tawny	tan	black	3000	I	4.9	35.9	20.5
USG 7482nRR	USG	purple	tawny	tan	black	2700	I	4.8	36.3	20.8
USG 7484nRR	USG	purple	lt. tawny	tan	black	2800	I	4.8	35.7	20.4
USG 7494nRR	USG	purple	lt. tawny	tna	black	2500	I	4.9	35.7	20.6
USG 7499nRR	USG	white	tawny	tan	black	2600	I	4.9	36.1	20.7
V48N5RR	Vigoro	purple	tawny	brown	black	2300	I	4.8	35.7	21.2
S02-677 (E)	Public	white	tawny	tan	black	2600	I	4.7	36.0	20.5
S02-683 (E)	Public	white	tawny	tan	black	2700	I	4.9	36.5	20.3

<sup>1</sup>(E) = Experimental.

<sup>2</sup>Represents an average number of seed per pound, seed may vary according to season and location.

<sup>3</sup>D = determinate; I = indeterminate

<sup>4</sup>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 80. Plant Characteristics of Roundup Ready Maturity Group V Early Soybeans.<sup>1</sup>**

Variety	Brand	Color				Seeds <sup>2</sup> <i>no./lb</i>	RM <sup>3</sup>	Protein %	Oil %
		Bloom	Pubescence	Pod wall	Hilum				
AV50J6NRR	AgVenture	purple	gray	tan	buff	2600	5.0	37.2	20.4
AV52T2NRR	AgVenture	purple	tawny	tan	black	2800	5.2	36.2	20.4
AV 50D2NRR	AgVenture	purple	lt. tawny	brown	black	2600	5.0	37.5	19.8
Armor GP 513	Armor	white	gray	tawny	buff	2400	5.2	35.8	20.8
Armor 56-J6	Armor	white	gray	tawny	buff	3000	5.6	36.0	20.5
Armor GP 530	Armor	-	-	-	-	2800	5.3	37.6	19.8
Armor 54-03	Armor	-	-	-	-	3400	5.5	36.4	20.2
AG5402	Asgrow	white	tawny	brown	black	3000	5.4	35.9	20.5
AG5501	Asgrow	purple	gray	tan	imp. black	2800	5.5	35.9	20.5
AG5605	Asgrow	purple	gray	brown	imp. black	3300	5.6	36.3	20.3
RC 5003	Croplan Genetics	purple	gray	tan	buff	2500	5.0	36.9	20.6
RC 5555	Croplan Genetics	white	gray	tan	buff	2500	5.5	36.1	20.9
DKB51-51	DEKALB	white	tawny	brown	black	2400	5.1	36.3	20.8
DKB54-52	DEKALB	white	gray	tan	buff	2800	5.4	36.1	20.9
DG 5260RR	Delta Grow	white	gray	tan	buff	3200	5.2	36.5	20.4
DG 5460RR	Delta Grow	white	gray	brown	buff	3500	5.4	36.5	20.1
DG 5555RR	Delta Grow	-	gray	brown	imp. black	2800	5.5	36.7	19.9
DG5610RR	Delta Grow	purple	tawny	tan	black	2600	5.6	36.3	20.3
DG 5630RR	Delta Grow	white	gray	tan	buff	3300	5.6	36.4	20.4
DG 5650RR	Delta Grow	white	gray	tan	buff	3000	5.6	36.4	20.6
DK5161RR	Delta King	white	gray	brown	buff	2600	5.1	35.8	20.7
DK5366RR	Delta King	purple	gray	tan	brown	3300	5.3	35.8	20.5
DK5668RR	Delta King	white	gray	tan	buff	2600	5.6	35.9	20.3
DK XTJ55T6RR (E)	Delta King	-	-	-	-	2700	5.5	35.8	20.7
DK XTJ505RR (E)	Delta King	purple	gray	tan	brown	3400	5.3	35.7	20.4
DK XTJ554RR (E)	Delta King	purple	gray	tan	buff	2500	5.4	36.4	20.4
DK XTJ555RR (E)	Delta King	white	gray	tan	black	2700	5.5	36.4	20.1
DP5414RR	DPL	white	tawny	tan	black	2600	5.4	36.4	20.4
DP5634RR	DPL	white	tawny	tan	black	2500	5.6	36.1	20.6
DG 33B52	Dyna Gro	white	gray	tan	buff	2600	5.2	35.9	20.9
DG 3535NRR	Dyna Gro	purple	gray	tan	imp. black	3000	5.3	35.9	20.2
DG3562NRR	Dyna Gro	white	gray	tan	buff	2600	5.6	35.8	20.4
ESXVT-19RR (E)	Eagle	white	tawny	tan	black	2800	5.5	35.7	20.4
FFR 5033RR	FFR	purple	gray	tan	buff	2300	5.0	37.2	20.4
FFR 5225RR	FFR	purple	tawny	tan	black	2700	5.2	36.2	20.3
FFR 5663RR	FFR	purple	tawny	tan	black	2400	5.6	36.3	20.3
Garst 5212RR/N	Garst	purple	tawny	tan	black	2400	5.2	36.4	20.2
Garst 5225RR	Garst	white	gray	tan	buff	2500	5.2	36.0	20.8
Garst 5656RR/STS/N	Garst	white	gray	brown	buff	3300	5.6	36.3	20.2
D524RR	Genesis	white	tan	tawny	black	3400	5.2	35.8	20.8
HBK R5123	Hornbeck	white	gray	tan	buff	2900	5.1	35.6	20.9
HBK R5324	Hornbeck	purple	tan	tan	lt. black	2500	5.2	36.5	20.9
HBK R5422	Hornbeck	purple	tawny	tan	black	2600	5.3	36.3	20.2
HBK R5524	Hornbeck	purple	gray	brown	imp. black	2800	5.5	36.8	20.0
HBK R5620	Hornbeck	white	gray	tan	buff	2900	5.6	36.1	20.3
HBK R5624	Hornbeck	white	gray	tan	black	2500	5.6	36.5	20.6
Morsoy RT 5204	Morsoy	white	gray	tan	buff	3200	5.2	36.6	20.6
Morsoy RT 5252	Morsoy	white	tawny	tan	black	3200	5.2	36.0	20.5
Morsoy RT 5553	Morsoy	white	gray	tan	buff	2700	5.5	36.2	20.9
Morsoy RT 5620	Morsoy	white	gray	tan	buff	2700	5.6	35.8	20.3
NK S50-N3	NK Brand	purple	tawny	tan	black	3600	5.0	36.3	20.4
NK S56-D7	NK Brand	purple	tawny	tan	black	2700	5.6	36.0	20.6
P95B43	Pioneer	white	gray	tan	buff	2800	5.4	35.5	20.2
Progeny 5250RR	Progeny	white	tawny	tan	black	2700	5.2	35.6	20.6
Progeny 5503RR	Progeny	white	gray	brown	buff	3200	5.5	36.2	20.2
Progeny 5660RR	Progeny	white	gray	tan	buff	2700	5.6	35.7	20.4
PGY 5404RR (E)	PGY	white	gray	tan	buff	3100	5.4	36.4	20.0
PGY 5622RR (E)	PGY	purple	gray	tan	buff	2500	5.6	35.8	20.8
545.RCP	Schillinger	white	gray	tan	buff	3100	5.4	36.5	20.6
SS RT557N	Southern States	purple	gray	tan	imp. black	2900	5.5	36.6	20.6
SS RT5302N	Southern States	purple	tawny	tan	black	2900	5.3	36.3	20.4
SS RT5540N	Southern States	white	gray	tan	buff	2800	5.5	36.1	21.0
SS RT5602N	Southern States	white	gray	tan	buff	2800	5.6	36.3	20.7
TV56R11	Terral	white	gray	tan	buff	2700	5.6	36.0	20.5
TV56R12	Terral	white	tawny	tan	black	2400	5.6	37.1	20.1
TVX52R301 (E)	Terral	white	tawny	tan	black	3000	5.2	36.4	20.4
TVX55R403 (E)	Terral	white	gray	brown	buff	3300	5.5	36.3	20.2
TVX55RL23 (E)	Terral	purple	gray	tan	imp. black	2600	5.5	36.7	20.1
TVX55RM23 (E)	Terral	purple	gray	tan	imp. black	2700	5.5	36.8	20.1
TVX55RN23 (E)	Terral	purple	gray	tan	imp. black	2700	5.5	36.7	20.1
TVX56R405 (E)	Terral	white	gray	tan	black	2900	5.6	36.2	20.1
USG 510nRR	USG	purple	gray	brown	buff	2400	5.1	36.4	20.0
USG 7514nRR	USG	white	gray	tan	buff	3100	5.1	36.3	20.5
USG 7523nRR	USG	purple	tawny	tan	black	2800	5.2	36.7	20.2
USG 7524nRR	USG	white	gray	tan	buff	2500	5.2	36.3	20.0
USG 7553nRS	USG	white	gray	brown	buff	2500	5.5	36.2	20.3
V55N5RR	Vigoro	white	gray	tan	buff	2600	5.5	36.3	20.8
V562NRR	Vigoro	white	gray	tan	buff	2900	5.6	36.0	20.6
S02-611 (E)	Public	purple	tawny	tan	black	3000	5.3	35.0	21.1

<sup>1</sup>(E) = Experimental.

<sup>2</sup>Represents an average number of seed per pound, seed may vary according to season and location.

<sup>3</sup>D = determinate; I = indeterminate

<sup>4</sup>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 81. Plant Characteristics of Roundup Ready Maturity Group V Late Soybeans.<sup>1</sup>**

Variety	Brand	Color				Seeds <sup>2</sup>	RM <sup>3</sup>	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
AV 57D7RR	AgVenture	purple	tawny	tan	black	<i>no./lb</i> 2500	5.7	% 36.3	% 20.1
Armor 58-V8	Armor	white	gray	tawny	buff	2700	5.8	35.5	20.6
AG5701	Asgrow	white	gray	tan	buff	3600	5.7	36.0	19.9
AG5903	Asgrow	white	gray	tan	buff	3100	5.9	35.2	20.8
AG5905	Asgrow	white	gray	tawny	buff	3100	5.9	35.8	20.8
RC 5972	Croplan Genetics	white	gray	tan	buff	2700	5.9	35.2	20.8
DKB57-51	DEKALB	white	gray	tan	buff	3100	5.7	36.1	20.4
DKB58-51	DEKALB	purple	gray	tawny	imp. black	3100	5.8	35.3	20.9
DG 5960RR	Delta Grow	white	gray	tan	buff	2800	5.9	35.4	20.6
DK5767RR	Delta King	white	gray	tan	buff	2800	5.9	36.1	20.3
DK5967RR	Delta King	white	gray	tan	buff	2800	5.9	35.3	20.6
DK XTJ506RR (E)	Delta King	white	gray	tan	buff	2700	5.9	35.3	20.6
DP5806RR	DPL	white	gray	tan	buff	3200	5.8	36.3	20.1
DP5915RR	DPL	white	tawny	tan	black	2800	5.9	35.7	20.7
DP 5808RR	DPL	white	tawny	brown	black	2600	5.8	36.0	19.8
DG 3583NRR	Dyna Gro	white	gray	tan	buff	2500	5.8	35.3	20.7
DG 38K57	Dyna Gro	white	gray	tan	buff	2800	5.7	35.7	20.4
DG SX04159 (E)	Dyna Gro	-	gray	brown	-	3200	5.9	36.6	19.8
DG SX04557 (E)	Dyna Gro	purple	tawny	tan	black	2300	5.7	36.3	20.2
ESXVT-34RR (E)	Eagle	purple	tawny	tan	brown	3100	5.8	35.4	20.1
ESXVT-41RR (E)	Eagle	purple	tawny	tan	black	2400	5.9	35.2	20.1
ESXVT-46RR (E)	Eagle	purple	gray	tan	imp. black	2800	5.7	36.0	20.2
Garst 5812RR/N	Garst	white	gray	tan	buff	2400	5.8	36.0	20.1
Garst 5924RR/N	Garst	white	gray	tan	buff	2400	5.9	35.2	20.6
Garst 6112RR/N	Garst	white	gray	tan	buff	2500	5.9	35.3	20.3
HBK R5924	Hornbeck	white	gray	tan	buff	3000	5.9	35.3	20.6
HBK XR561-04 (E)	Hornbeck	purple	lt. tawny	tan	imp. black	2500	5.6	36.1	20.6
Morsoy RT 5773	Morsoy	white	gray	tan	buff	2900	5.7	35.8	20.2
Morsoy RT 5903	Morsoy	white	gray	tan	buff	2600	5.9	35.5	20.6
P95B96	Pioneer	white	gray	tan	buff	2900	5.9	35.9	20.8
P95M80	Pioneer	purple	gray	tan	imp. black	2600	5.8	36.5	19.7
Progeny 5703RR	Progeny	white	gray	tan	buff	2900	5.7	36.0	20.3
Progeny 5822RR	Progeny	purple	gray	tan	imp. black	2500	5.8	35.7	20.6
PGY 5714RR (E)	PGY	white	tawny	brown	black	3000	5.7	36.1	20.2
SS RT5702N	Southern States	purple	gray	tan	imp. black	2400	5.7	36.2	20.0
SS RT5730N	Southern States	purple	tawny	tan	black	2900	5.7	35.9	20.3
SS RT5999N	Southern States	purple	gray	tan	buff	3100	5.9	36.0	20.0
TRS57RK8 (E)	Terral	purple	tawny	tan	black	2400	5.7	36.2	20.2
TRS59RQ3 (E)	Terral	white	gray	tan	buff	2500	5.9	36.1	19.8
TV57R14	Terral	white	gray	tan	buff	2700	5.7	35.6	20.3
TV58R12	Terral	white	gray	tan	buff	2500	5.8	35.7	20.4
TV59R14	Terral	white	gray	tan	buff	2500	5.9	35.2	20.7
TV62R11	Terral	white	gray	tan	buff	2500	6.2	35.5	20.2
TVX57R408 (E)	Terral	purple	tawny	tan	black	2600	5.7	36.3	20.0
USG 570nRR	USG	white	gray	tan	buff	2600	5.7	36.1	20.2
USG 7582nRR	USG	white	gray	tan	buff	2800	5.7	35.2	20.7

<sup>1</sup>(E) = Experimental.

<sup>2</sup>Represents an average number of seed per pound, seed may vary according to season and location.

<sup>3</sup>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 rating 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 82. Reaction to Maturity Group IV Early Roundup Ready Soybeans to Diseases.**

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AV46J5NRR	AgVenture	R	2.5	DG 3443NRR	Dyna Gro	R-VS (VS)	4.4
AVX 45ANRR (E)	AgVenture	R	1.2	DG 3463NRR	Dyna Gro	R-S (R)	2.3
Armor 44-R4	Armor	R-VS	3.3	Garst 4612RR/N	Garst	R-S	4.2
Armor 44-R5	Armor	R	1.0	C444RR	Genesis	R-S (R)	3.2
AG4102	Asgrow	R-S (R)	2.0	E434NRR	Genesis	R	2.1
AG4201	Asgrow	R-VS (R)	2.6	HBK R4023	Hornbeck	R-S (R)	2.6
AG4403	Asgrow	R-S	4.0	HBK R4623	Hornbeck	R-VS (R)	4.0
AG4502	Asgrow	R	1.3	NK S43-B1	NK Brand	R	1.7
AG4603	Asgrow	R & VS	2.3	P94M41	Pioneer	R	1.7
RC 4233	Croplan Genetics	R-VS	3.5	Progeny 4401RR	Progeny	R-S	3.5
RC 4464	Croplan Genetics	R-VS (VS)	4.3	PGY 4304RR (E)	PGY	R & VS (R)	2.7
DKB44-51	DEKALB	VS	5.0	PGY 4604RR (E)	PGY	R-S (R)	2.7
DKB46-51	DEKALB	R & VS (R)	2.3	435.RC	Schillinger	R	1.2
DG 4340RR	Delta Grow	R-VS (R)	1.8	465.RC	Schillinger	R-S	2.3
DG 4630RR	Delta Grow	R-VS	3.3	SS RT4502	Southern States	R-S	3.5
DK4461RR	Delta King	R-S (R)	3.9	TSR46RA5 (E)	Terral	R-S (R)	3.5
DK XTJ446RR (E)	Delta King	R-S (R)	2.0	TVX44R401 (E)	Terral	R-S	4.3
DK XTJ501RR (E)	Delta King	R-MS (R)	2.0	TVX45RL21 (E)	Terral	R	2.5
DK XTJ540RR (E)	Delta King	R	1.0	TVX45RM21 (E)	Terral	R-VS (VS)	5.0
DK XTJ541RR (E)	Delta King	R-S (R)	1.7	TVX45RN21 (E)	Terral	R-S (R)	3.3
DK XTJ543RR (E)	Delta King	R-VS (R)	2.5	TVX46R401 (E)	Terral	R-S (R)	4.2
DK XTJ545RR (E)	Delta King	R-S (R)	3.7	USG 7434nRR	USG	R	1.0
DK XTJ546RR (E)	Delta King	R-S	2.3	USG 7440nRR	USG	R-VS	4.0
DP4331RR	DPL	R	1.8	USG 7443nRR	USG	R	1.0
DP4546RR	DPL	R-MS (R)	2.3	S02-679 (E)	Public	-	-



**Table 83. Reaction to Maturity Group IV Late Roundup Ready Soybeans to Diseases.**

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AV49J7NRR	AgVenture	R-S	1.7	E484NRR	Genesis	R-VS (R)	2.5
Armor 47-G7	Armor	R-VS	2.0	HBK R4724	Hornbeck	R-S (R)	2.3
Armor GP 474	Armor	R-S	1.7	HBK R4820	Hornbeck	R-VS (VS)	5.0
Armor GP 499	Armor	R-VS	4.0	HBK R4924	Hornbeck	R	1.8
Armor 49-T3	Armor	R-MS (R)	1.5	HBK R4945CX	Hornbeck	R-S	2.5
AG4801	Asgrow	R-VS	2.8	RT 4802	Morsoy	R-S	1.2
AG4902	Asgrow	R	1.5	RT 4809	Morsoy	R-VS	4.8
AG4903	Asgrow	R-VS	4.7	RT 4993	Morsoy	R	2.3
RC 4842	Croplan Genetics	R	1.5	NK S49-Q9	NK Brand	R-S (R)	2.5
DG 4840RR	Delta Grow	R	1.2	P94B73	Pioneer	R-S (R)	2.5
DG 4860RR	Delta Grow	R	1.2	P94M90	Pioneer	R	1.3
DG 4960RR	Delta Grow	R	1.2	Progeny 4703RR	Progeny	R-VS	3.3
DG 4970RR	Delta Grow	R	2.4	Progeny 4858RR	Progeny	R-S (R)	2.3
DK4763RR	Delta King	R-VS	4.5	Progeny 4932RR	Progeny	R	2.1
DJ4868RR	Delta King	-	-	Progeny 4860RR	Progeny	R	1.3
DK4967RR	Delta King	R-S (R)	2.8	Progeny 4949RR	Progeny	R	2.1
DK XTJ448RR (E)	Delta King	R	1.6	PGY 4804RR (E)	PGY	R-S (R)	2.3
DK XTJ54J9RR (E)	Delta King	R	1.3	495.RC	Schillinger	R	1.6
DK XTJ54X9 (E)	Delta King	R	1.3	SS RT4902	Southern States	R	1.7
DK XTJ502RR (E)	Delta King	R-VS	4.4	SS RT4980	Southern States	R-VS (R)	3.0
DK XTJ503RR (E)	Delta King	R-MR	2.2	SS RT517N	Southern States	R	1.3
DK XTJ542RR (E)	Delta King	R	1.8	SS RT5001N	Southern States	R	1.4
DK XTJ548RR (E)	Delta King	R-S	2.8	SS RT5130N	Southern States	R	1.5
DK XTJ549RR (E)	Delta King	R	1.3	TSR47RT6 (E)	Terral	R	1.8
DP4724RR	DPL	R-MS (R)	2.2	TV49R12	Terral	R	1.2
DP4933RR	DPL	R	1.7	TVX48R413 (E)	Terral	-	-
DPX4891RR (E)	DPL	-	-	TVX48RL27 (E)	Terral	R-VS (R)	2.4
SG498RR	DPL	R	1.6	TVX48RM27 (E)	Terral	R	1.3
DG 3481NRR	Dyna Gro	R-VS (R)	2.3	TVX48RN27 (E)	Terral	R	1.7
DG 36M49	Dyna Gro	R-MS (R)	1.7	TVX49R302 (E)	Terral	R	1.1
ESXVT-17RR (E)	Eagle	R	1.3	USG 7482nRR	USG	R	1.3
FFR 4922RR	FFR	R	1.2	USG 7484nRR	USG	R	2.7
Garst 4888RR	Garst	R-S (R)	2.7	USG 7494nRR	USG	R	1.4
Garst 5012RR/N	Garst	R	1.3	USG 7499nRR	USG	R	1.4
Garst XR48N20 (E)	Garst	-	-	V48N5RR	Vigoro	R-VS (R)	2.2
Garst 4999RR/N	Garst	R	1.4	S02-677 (E)	Public	-	-
D484RR	Genesis	R-VS (R)	2.5	S02-683 (E)	Public	-	-
D491RR	Genesis	R-S (R)	2.8				

**Table 84. Reaction to Maturity Group V Early Roundup Ready Soybeans to Diseases.**

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AV50J6NRR	AgVenture	R	1.5	HBK R5123	Hornbeck	R	1.5
AV52T2NRR	AgVenture	R-VS	2.8	HBK R5324	Hornbeck	-	-
AV 50D2NRR	AgVenture	R	1.3	HBK R5422	Hornbeck	R & VS (R)	2.7
Armor GP 513	Armor	R-S (R)	1.8	HBK R5524	Hornbeck	R-VS (R)	2.4
Armor 56-J6	Armor	R-VS (R)	2.8	HBK R5620	Hornbeck	R-VS	3.0
Armor GP 530	Armor	-	-	HBK R5624	Hornbeck	-	-
Armor 54-03	Armor	R-MS(R)	1.8	Morsoy RT 5204	Morsoy	R	1.7
AG5402	Asgrow	R-VS	4.8	Morsoy RT 5252	Morsoy	R-VS	3.5
AG5501	Asgrow	R	1.7	Morsoy RT 5553	Morsoy	-	-
AG5605	Asgrow	-	-	Morsoy RT 5620	Morsoy	R-VS (R)	2.7
RC 5003	Croplan Genetics	R	1.7	NK S50-N3	NK Brand	-	-
RC 5555	Croplan Genetics	R-VS	2.0	NK S56-D7	NK Brand	R-S	3.5
DKB51-51	DEKALB	R	1.8	P95B43	Pioneer	R	2.0
DKB54-52	DEKALB	R-VS	2.0	Progeny 5250RR	Progeny	R	1.7
DG 5260RR	Delta Grow	R	1.8	Progeny 5503RR	Progeny	R-VS (R)	2.3
DG 5460RR	Delta Grow	R-VS (R)	2.0	Progeny 5660RR	Progeny	R-VS	3.3
DG5555RR	Delta Grow	R-VS	3.7	PGY 5404RR (E)	PGY	R-S (R)	3.2
DG 5610RR	Delta Grow	R & 2 MR	1.9	PGY 5622RR (E)	PGY	R-S	4.8
DG 5630RR	Delta Grow	R-VS	3.6	545.RCP	Schillinger	-	-
DG 5650RR	Delta Grow	R-S	2.9	SS RT557N	Southern States	R-S (R)	-
DK5161RR	Delta King	R-S (R)	1.8	SS RT5302N	Southern States	R-VS	4.3
DK5366RR	Delta King	R-VS (R)	2.9	SS RT5540N	Southern States	R-VS (R)	1.9
DK5668RR	Delta King	R-S (R)	2.2	SS RT5602N	Southern States	R & 1S	2.3
DK XTJ55T6RR (E)	Delta King	R-VS	2.8	TV56R11	Terral	R-VS	4.5
DK XTJ505RR (E)	Delta King	R-S (R)	3.2	TV56R12	Terral	R	1.8
DK XTJ554RR (E)	Delta King	R	1.3	TVX52R301 (E)	Terral	R	1.0
DK XTJ555RR (E)	Delta King	R & 1VS	1.3	TVX55R403 (E)	Terral	R-VS	3.3
DP5414RR	DPL	R	1.3	TVX55RL23 (E)	Terral	R-VS	2.5
DP5634RR	DPL	R-S	2.3	TVX55RM23 (E)	Terral	R-VS	2.4
DG 33B52	Dyna Gro	R-S	1.8	TVX55RN23 (E)	Terral	R-VS	2.7
DG 3535NRR	Dyna Gro	-	-	TVX56R405 (E)	Terral	R	1.3
DG3562NRR	Dyna Gro	R-VS (R)	3.5	USG 510nRR	USG	R	1.8
ESXVT-19RR (E)	Eagle	R	2.0	USG 7514nRR	USG	R	1.7
FFR 5033RR	FFR	R	1.9	USG 7523nRR	USG	R-VS	4.1
FFR 5225RR	FFR	R-VS (R)	2.2	USG 7524nRR	USG	R	1.2
FFR 5663RR	FFR	R-VS	4.5	USG 7553nRS	USG	-	-
Garst 5212RR/N	Garst	R-VS	2.8	V55N5RR	Vigoro	R & S (R)	3.5
Garst 5225RR	Garst	R	1.7	V562NRR	Vigoro	R-VS	4.3
Garst 5656RR/STS/N	Garst	R-VS (R)	2.7	S02-611 (E)	Public	-	-
D524RR	Genesis	R	2.3				

**Table 85. Reaction to Maturity Group V Late Roundup Ready Soybeans to Diseases.**

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AV 57D7RR	AgVenture	R-S (R)	2.3	Garst 5924RR/N	Garst	-	-
Armor 58-V8	Armor	R-VS	2.5	Garst 6112RR/N	Garst	-	-
AG5701	Asgrow	R-VS	3.3	HBK R5924	Hornbeck	R	1.3
AG5903	Asgrow	R-VS	2.8	HBK XR561-04 (E)	Hornbeck	-	-
AG5905	Asgrow	R-VS (R)	2.2	Morsoy RT 5773	Morsoy	R-S	1.8
RC 5972	Croplan Genetics	R-VS	3.3	Morsoy RT 5903	Morsoy	R	1.7
DKB57-51	DEKALB	R-VS	2.4	P95B96	Pioneer	R-VS	3.0
DKB58-51	DEKALB	R	1.8	P95M80	Pioneer	-	-
DG 5960RR	Delta Grow	R-MS (R)	1.6	Progeny 5703RR	Progeny	R-S	2.3
DK5767RR	Delta King	R-VS (R)	2.8	Progeny 5822RR	Progeny	R-VS	2.5
DK5967RR	Delta King	R-VS (R)	2.7	PGY 5714RR (E)	PGY	R-S (R)	2.0
DK XTJ506RR (E)	Delta King	-	-	SS RT5702N	Southern States	R	1.2
DP5806RR	DPL	R-VS	2.5	SS RT5730N	Southern States	R-VS	3.1
DP5915RR	DPL	R-VS	3.3	SS RT5999N	Southern States	R-VS (R)	1.8
DP 5808RR	DPL	R	1.6	TRS57RK8 (E)	Terral	R-VS	1.5
DG 3583NRR	Dyna Gro	R-VS (R)	2.2	TRS59RQ3 (E)	Terral	R	1.8
DG 38K57	Dyna Gro	R-S	2.9	TV57R14	Terral	R-VS	3.0
DG SX04159 (E)	Dyna Gro	R	1.0	TV58R12	Terral	-	-
DG SX04557 (E)	Dyna Gro	R-S (R)	2.4	TV59R14	Terral	R-VS	2.5
ESXVT-34RR (E)	Eagle	-	-	TV62R11	Terral	-	-
ESXVT-41RR (E)	Eagle	R	1.5	TVX57R408 (E)	Terral	R	1.2
ESXVT-46RR (E)	Eagle	R	1.3	USG 570nRR	USG	R-VS	3.1
Garst 5812RR/N	Garst	R-S (R)	1.9	USG 7582nRR	USG	R-VS (R)	2.3

# In-Field Disease Ratings

Tables in this section contain data on soybean varieties' reactions to bacterial blight, frogeye leaf spot, late-season Cercospora, SDS (sudden death syndrome), stem canker, and red crown rot.

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

**Bacterial Blight.** Rated on a scale of 1-9, with 1 equal to no or very little disease, and 9 equal to leaf blight occurrence.

**Frogeye leaf spot.** Rated on a scale of 1-9, with 1 equal to no or very little disease, and 9 equal to leaf blight occurrence.

**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.

**Stem Canker.** Rated on a scale of 1-9, with 1 equal to no or little disease, and 9 equal to severe disease.

**Red Crown Rot.** Rated on scale of 1-9, with 1 equal to no or little disease, and 9 equal severe disease.

**Table 86. Maturity Group IV Soybeans at Dulaney Farms, Clarksdale.**

Variety	Brand	Frogeye Leaf Spot	Stem Canker
DP4748S	DPL	3.3	1.0
Progeny 4910	Progeny	5.7	1.0
DT97-4290	Public	3.0	1.0
DT98-7278	Public	1.0	5.0
DT98-9102	Public	1.0	7.3
DT99-17048	Public	4.3	2.3
R98-1817	Public	2.0	1.7
S00-9925-10	Public	2.3	2.3

**Table 87. Maturity Group V Early Soybeans at Dulaney Farms, Clarksdale.**

Variety	Brand	Frogeye Leaf Spot	Stem Canker	Late-Season Cercospora
DP5110S	DPL	5.0	2.3	3.0
DB00-002	Public	1.0	1.7	2.7
DB00-138	Public	1.7	4.3	2.3
DB00-087	Public	1.0	1.7	2.0
DB00-155	Public	5.3	1.7	2.0
DB00-141	Public	5.7	2.7	7.0
Teejay	Public	6.0	2.3	2.7
DB00-173	Public	6.0	1.0	6.7
Anand	Public	4.0	2.3	2.0
Ozark	Public	1.7	5.3	3.0
S00-9979-09	Public	2.7	2.7	2.3
Delsoy 5500	Public	5.7	4.7	4.0
USG 5002T	PVP	1.7	3.7	4.0
S00-9970-08	Public	2.0	2.0	3.3
USG 5601T	PVP	4.0	1.7	6.0

**Table 88. Maturity Group V Late Soybeans at Dulaney Farms, Clarksdale.**

Variety	Brand	Frogeye Leaf Spot	Stem Canker
DK 5995	Delta King	3.3	5.7
HBK C5894	Hornbeck	1.0	1.0
PGY 5770	PGY	1.0	1.3
Freedom	Public	1.0	1.3
DT99-17574	Public	5.7	2.3
DT98-11850	Public	5.0	2.0
R97-1634	Public	1.7	5.0
Bolivar	Public	6.0	5.0
Hutcheson	Public	5.7	1.3
DKXTJ458	Delta King	1.0	1.3

**Table 89. Maturity Group III Roundup Ready Soybeans at Delta Research and Extension Center, Stoneville.**

Variety	Brand	Frogeye Leaf Spot
93M90	Pioneer	2.0
AG3802	Asgrow	5.3
AG3905	Asgrow	3.3
AG3906	Asgrow	4.0
DP3861RR	DPL	1.0
DK 3964RR	Delta King	5.3
NK S39-K6	NK Brand	6.3
Progeny 3900RR	Progeny	2.7
Armor 39-E9	Armor	5.0
Armor ARX D39104	Armor	2.0
TV39RS31	Terral	5.0
DK 3968RR	Delta King	4.0
DPX3932RR	DPL	2.7

**Table 90. Maturity Group IV Early Roundup Ready Soybeans.**

Variety	Brand	Stoneville	Clarksdale	Clarksdale	Crawford	High Plot Score
		Frogeye Leaf Spot	Frogeye Leaf Spot	Stem Canker	Red Crown Rot	Red Crown Rot
94M41	Pioneer	1.0	1.0	1.0	4.0	6
AG4102	Asgrow	5.3	5.3	1.3	2.0	6
AG4201	Asgrow	3.7	3.0	1.0	4.0	6
AG4403	Asgrow	5.0	5.0	1.7	1.7	2
AG 4502	Asgrow	1.7	3.0	1.0	3.0	4
AG4603	Asgrow	6.0	6.0	1.3	3.7	5
DKB44-51	DEKALB	4.0	5.0	1.7	2.7	4
DKB46-51	DEKALB	4.7	4.3	2.0	4.0	7
HBK R4023	Hornbeck	5.0	5.0	1.0	3.3	5
HBK R4623	Hornbeck	2.3	1.0	1.0	2.7	5
DP4331RR	DPL	5.0	5.0	1.0	2.0	2
DP4546RR	DPL	1.3	1.0	1.0	1.3	2
NK S43-B1	NK	2.0	4.0	1.0	1.3	2
TSR46RA5	Terral	1.0	1.0	1.0	2.7	5
PGY 4304RR	PGY	1.0	1.0	1.0	1.7	3
Progeny 4401RR	Progeny	5.3	5.3	1.0	3.0	5
PGY 4604RR	PGY	5.3	5.0	1.0	4.0	6
DG 4340RR	Delta Grow	1.0	1.0	1.0	3.7	7
DG 4630RR	Delta Grow	5.7	5.0	1.0	4.0	6
SS RT 4502N	Southern States	5.0	3.7	1.0	4.0	6
4612RR/N	Garst	1.3	2.0	1.0	3.7	6
Armor 44-R4	Armor	5.0	5.3	1.7	3.0	6
Armor 44-R5	Armor	1.3	1.0	1.0	3.7	7
USG 7440nRR	USG	5.7	5.3	1.0	3.0	4
RC 4233	Croplan Genetics	4.0	4.7	1.0	3.3	5
TVX44R401	Terral	1.0	1.0	1.0	4.7	7
TVX45RL21	Terral	1.0	1.0	1.0	4.7	7
TVX45RM21	Terral	1.0	1.0	1.0	3.0	6
TVX45RN21	Terral	1.0	1.0	1.0	2.7	3
TVX46R401	Terral	5.3	5.0	1.0	3.3	7
S02-679	Public	3.7	3.7	1.0	2.7	5
DK 4461RR	Delta King	5.7	6.0	1.3	3.0	4
DKXTJ540	Delta King	4.3	4.3	1.0	3.0	5
DKXTJ446	Delta King	1.7	1.3	1.0	1.3	2
DKXTJ545	Delta King	4.3	5.0	1.0	2.3	4
DKXTJ501	Delta King	5.3	5.0	1.3	1.0	1
USG 7434nRR	USG	1.0	1.0	1.0	2.0	3
USG 7443nRR	USG	1.3	1.0	1.0	3.3	6
RC 4464	Croplan Genetics	1.0	1.0	1.0	3.0	4
DG 3463NRR	Dyna-Gro	4.3	5.0	1.0	1.0	1
DKXTJ543	Delta King	1.0	1.0	1.0	2.7	5
DKXTJ546	Delta King	5.7	5.3	1.0	2.3	3
Genesis C444RR	Genesis	5.0	5.0	1.7	1.7	2
435.RC	Schillinger	4.0	4.0	1.0	3.7	6
465.RC	Schillinger	1.0	1.0	4.0	2.3	3
E434NRR	Genesis	1.0	1.0	2.0	4.0	6
DG 3443NRR	Dyna-Gro	5.7	5.3	1.0	2.0	2
AVX456NRR	AgVenture	4.7	5.0	1.0	1.0	1
AV46J5NRR	AgVenture	1.0	1.0	1.0	1.3	2
DKXTJ541	Delta King	6.0	5.7	1.0	2.7	4

**Table 91. Maturity Group IV Late Roundup Ready Soybeans.**

Variety	Brand	Stoneville Frogeye Leaf Spot	Clarksdale Frogeye Leaf Spot	Clarksdale Stem Canker	Clarksdale Late-Season Cercospora	Crawford Red Crown Rot	High Plot Score Red Crown Rot
94M90	Pioneer	4.7	4.0	1.0	3.0	4.3	5
94B73	Pioneer	1.0	1.0	1.0	2.3	4.7	6
AG4801	Asgrow	1.0	1.0	3.3	2.0	5.0	7
AG4902	Asgrow	2.7	3.7	1.0	2.7	4.0	6
AG4903	Asgrow	3.7	3.7	4.0	2.0	3.7	5
HBK R4820	Hornbeck	5.0	5.3	4.7	2.0	3.3	5
HBK R4724	Hornbeck	1.3	2.0	1.0	3.0	4.7	6
HBK R4924	Hornbeck	3.0	3.7	1.0	2.0	3.0	6
HBK R4945CX	Hornbeck	5.7	6.3	1.0	2.3	5.0	6
DPX4891RR	DPL	5.3	4.3	1.0	3.0	5.0	6
DP4724RR	DPL	1.7	1.7	1.0	2.7	3.0	4
DP4933RR	DPL	3.7	4.3	1.0	2.7	3.7	6
SG498RR	DPL	4.3	4.3	1.0	2.3	2.0	2
NK S49-Q9	NK	4.0	3.3	1.0	4.7	2.0	3
TSR47RT6	Terral	5.3	5.3	1.0	2.3	5.0	6
ESXVT-17RR	Eagle Seed	1.0	1.0	1.0	2.0	5.0	8
Progeny 4703RR	Progeny	3.0	1.0	6.0	2.0	3.0	4
PGY 4804RR	PGY	5.3	5.0	1.0	3.3	4.7	6
Progeny 4932RR	Progeny	3.7	5.0	1.0	2.3	3.0	5
Progeny 4860RR	Progeny	2.0	1.7	1.0	4.0	5.7	6
Progeny 4949RR	Progeny	1.0	1.0	1.0	2.0	3.3	4
Progeny 4858RR	Progeny	4.3	5.0	1.3	3.3	5.0	7
DG 4840RR	Delta Grow	4.7	4.7	1.0	3.3	4.0	5
DG 4860RR	Delta Grow	1.7	1.3	1.0	3.0	3.7	4
Delta Grow 4960RR	Delta Grow	2.0	1.0	1.0	4.3	5.0	5
DG 4970RR	Delta Grow	1.0	1.0	1.0	2.7	4.3	5
SS RT 4902	Southern States	3.7	5.0	1.0	2.0	4.7	6
SS RT4980	Southern States	4.0	4.7	1.0	2.7	2.0	2
RT 5130N	Southern States	1.0	1.7	1.0	4.0	3.7	4
SS RT517N	Southern States	4.0	5.3	1.3	6.0	4.3	7
SS-RT 5001N	Southern States	3.7	2.3	1.0	6.7	6.0	6
DG 3481NRR	Dyna-Gro	1.7	1.3	1.0	2.7	3.7	5
4999RR/N	Garst	2.0	4.3	1.0	2.0	2.7	3
5012RR/N	Garst	1.0	1.0	1.0	4.3	4.3	5
4888RR	Agripro	3.3	4.0	1.0	2.3	2.0	2
MorSoy RT4802	MorSoy	1.3	1.7	1.0	3.0	4.0	5
MorSoy RT4809	MorSoy	5.0	5.0	4.3	2.0	3.3	4
MorSoy RT4993	MorSoy	5.3	5.0	1.0	3.3	3.0	5
Armor 47-G7	Armor	4.3	4.3	3.3	2.3	5.7	6
Armor 49-P9	Armor	5.0	4.7	1.0	2.3	4.3	5
USG 7499nRR	USG	4.3	5.0	1.0	3.0	5.0	7
RC 4842	Croplan Genetics	1.7	1.3	1.0	3.3	4.3	5
TVX48RL27	Terral	1.0	1.0	1.3	2.0	4.0	5
TVX48RM27	Terral	1.0	1.0	1.0	2.0	4.7	5
TVX48RN27	Terral	1.0	1.0	1.0	2.0	4.3	5
TV49R12	Terral	1.0	1.0	1.0	2.3	4.3	6
TVX49R302	Terral	4.3	3.7	1.0	2.0	3.7	5
S02-677	Public	2.0	3.0	1.0	2.3	2.3	4
S02-683	Public	2.0	2.0	1.0	2.0	4.0	4
Armor ARX A48104	Armor	2.0	1.0	1.3	2.0	4.3	5
DK 4763RR	Delta King	4.3	5.0	1.3	2.7	5.3	6
DK4868RR	Delta King	5.0	5.0	4.0	2.3	3.3	4
DK4967RR	Delta King	1.7	1.3	1.0	3.0	3.7	4
DKXTJ448	Delta King	1.7	1.0	1.0	2.0	2.3	3
DKXTJ549	Delta King	3.7	5.0	1.0	2.7	4.3	5
DKXTJ54J9	Delta King	4.0	3.0	1.0	2.0	3.0	3
DKXTJ503	Delta King	1.7	1.7	1.0	3.3	3.7	5
DKXTJ502	Delta King	4.3	5.0	1.3	3.0	5.0	6
FFR 4922RR	FFR	3.3	5.0	1.0	2.0	4.0	5
TVX48R413	Terral	5.3	5.3	1.0	2.3	5.0	6
USG 7482nRR	USG	1.0	1.7	1.0	3.0	4.0	6
Armor ARX B48104	Armor	3.7	4.3	4.7	2.0	3.0	3
DG 36M49	Dyna-Gro	5.3	5.0	1.0	2.7	3.0	4
DKXTJ548	Delta King	3.3	5.3	4.7	2.0	2.0	3
DKXTJ54X9	Delta King	6.0	6.7	1.0	3.0	4.0	5
DKXTJ542	Delta King	1.0	1.0	1.0	2.7	4.3	5
USG 7484nRR	USG	4.7	5.0	1.0	3.0	3.7	4
XR48N20	Garst	6.0	4.7	1.0	3.0	4.0	6
Genesis D484RR	Genesis	1.7	1.3	1.0	3.0	3.3	4
Genesis D491RR	Genesis	5.3	5.0	1.0	2.7	4.3	5
495.RC	Schillinger	1.0	1.0	1.0	2.7	4.7	5
USG 7494nRR	USG	5.7	5.0	1.0	3.0	4.3	5
E484NRR	Genesis	5.3	5.0	1.0	2.7	3.0	5
V48N5RR	Vigoro	1.0	1.0	1.0	2.3	4.3	5
AV49J7NRR	AgVenture	5.0	5.0	1.0	3.0	3.3	4

**Table 92. Maturity Group V Early Roundup Ready Soybeans.**

Variety	Brand	Stoneville	Clarksdale	Clarksdale	Clarksdale	Crawford	High Plot Score
		Frogeye Leaf Spot	Frogeye Leaf Spot	Stem Canker	Late-Season Cercospora	Red Crown Rot	Red Crown Rot
95B43	Pioneer	5.3	6.0	3.7	4.7	3.0	4
DKB51-51	DEKALB	1.0	1.0	1.0	2.0	2.0	4
DKB54-52	DEKALB	4.7	5.0	3.7	4.0	2.3	3
AG5402	Asgrow	1.0	1.0	5.3	2.3	3.7	5
AG5501	Asgrow	4.0	5.0	1.3	5.3	4.0	4
AG5605	Asgrow	4.7	5.0	5.0	4.3	2.0	2
HBK R5123	Hornbeck	5.0	5.0	1.0	2.0	2.0	3
HBK R5422	Hornbeck	1.0	1.0	3.0	4.3	3.7	6
HBK R5620	Hornbeck	2.3	4.0	5.3	4.0	3.0	4
HBK R5624	Hornbeck	1.0	1.0	1.7	4.3	4.3	5
HBK R5324	Hornbeck	2.3	3.7	2.3	3.7	6.3	7
DP5414RR	DPL	1.0	1.0	1.7	2.0	4.3	5
DP5634RR	DPL	1.0	1.0	2.7	3.0	1.7	2
NK S50-N3	NK	4.7	5.7	1.0	2.0	4.0	5
NK S56-D7	NK	5.0	4.7	1.7	3.3	4.3	6
ESXVT-19RR	Eagle Seed	5.0	5.3	1.3	3.7	2.3	3
Progeny 5250RR	Progeny	4.0	5.7	2.7	3.7	3.7	5
PGY 5404RR	PGY	1.0	3.7	3.7	4.0	1.7	2
Progeny 5503RR	Progeny	5.3	6.0	4.7	4.3	3.0	4
Progeny 5660RR	Progeny	2.3	3.7	4.7	3.7	5.3	6
Progeny 5622RR	Progeny	1.3	3.0	1.7	3.7	5.7	6
Delta Grow 5260RR	Delta Grow	5.0	5.7	1.0	3.3	2.3	3
Delta Grow 5460RR	Delta Grow	5.0	5.7	4.3	4.7	2.0	3
DG 5555RR	Delta Grow	5.0	5.7	5.3	3.7	2.3	3
AV50J6NRR	AgVenture	1.0	1.7	1.0	2.0	6.0	7
Delta Grow 5650RR	Delta Grow	1.3	1.7	4.0	3.0	5.0	6
SS RT 5302N	Southern States	1.0	1.0	3.7	4.0	5.0	6
AV52T2NRR	AgVenture	1.0	1.0	3.3	3.7	4.3	6
RT 5540N	Southern States	4.7	5.3	3.3	4.0	2.7	4
5212RR/N	Garst	1.3	1.0	3.7	3.7	5.0	6
5656RR/STS/N	Garst	5.7	6.0	4.7	4.7	2.7	5
5225RR	Garst	1.0	1.0	1.0	2.7	4.0	5
MorSoy RT5252	MorSoy	4.7	5.0	2.7	4.0	3.7	4
Morsoy RT5204	Morsoy	4.7	5.7	1.3	2.7	3.0	4
MorSoy RT5553	MorSoy	5.0	5.7	4.3	4.0	3.3	4
MorSoy RT5620	MorSoy	1.0	1.0	3.7	4.0	3.3	5
SS RT 5602N	Southern States	4.3	4.3	2.0	6.3	3.7	5
HBK R5524	Hornbeck	5.3	6.0	5.0	4.3	4.7	6
DG 5610RR	Delta Grow	1.0	1.7	1.3	4.7	4.0	5
Armor GP530	Armor	2.3	3.0	2.7	3.7	2.0	2
Armor 52-Q2	Armor	1.0	1.0	1.0	2.3	4.0	4
Armor 56-J6	Armor	2.3	3.3	5.0	4.0	2.7	3
USG 7553nRR	USG	5.3	6.0	4.3	5.3	3.7	4
USG 510nRR	USG	5.0	6.0	1.3	6.0	3.0	4
RC 5003	Croplan Genetics	2.3	2.7	1.0	2.0	4.0	6
RC 5555	Croplan Genetics	4.0	4.7	3.0	3.7	2.3	3
TVX52R301	Terral	5.0	5.7	1.0	3.0	2.7	4
TVX55RL23	Terral	5.0	6.0	5.3	4.3	3.0	3
TVX55R403	Terral	5.0	6.0	4.3	5.0	2.0	3
TV56R11	Terral	2.3	3.3	5.0	3.7	3.3	4
TV56R12	Terral	6.3	6.0	1.0	3.3	2.3	3
TVX56R405	Terral	3.0	3.0	1.3	5.7	3.7	4
S02-611	Public	2.0	4.0	4.3	3.7	3.3	5
DK 5161RR	Delta King	1.0	1.0	1.0	2.7	3.3	4
DK 5366RR	Delta King	2.0	3.3	5.3	3.7	1.7	2
DKXTJ554	Delta King	1.0	1.0	3.7	2.0	4.7	6
DKXTJ555	Delta King	2.3	4.0	1.3	4.7	3.7	5
DKXTJ505	Delta King	2.3	3.3	5.7	3.0	2.0	2
FFR 5663RR	FFR	1.0	1.0	1.0	5.3	3.7	5
FFR 5225RR	FFR	1.0	1.0	3.7	4.3	4.7	6
FFR 5033RR	FFR	3.3	2.7	1.0	2.3	3.3	4
TVX55RN23	Terral	5.0	5.3	4.3	3.7	4.0	5
TVX55RM23	Terral	5.0	5.7	6.0	4.0	3.0	4
USG 7514nRR	USG	4.7	5.7	1.3	3.0	3.0	4
USG 7524nRR	USG	5.0	5.0	1.0	2.0	2.7	4
Armor ARX B55104	Armor	5.3	6.0	4.3	4.7	2.3	3
DG 3535NRR	Dyna-Gro	1.7	4.3	7.0	3.0	3.3	5
DG 3562NRR	Dyna-Gro	1.3	1.0	4.0	4.3	2.7	4
DG 33B52	Dyna-Gro	1.0	1.0	1.0	3.0	4.0	5
DK 5668RR	Delta King	1.0	1.0	4.0	5.0	3.3	5
DK55T6RR	Delta King	1.7	3.7	2.3	3.3	5.0	6
Genesis D524RR	Genesis	4.0	4.3	2.3	4.0	3.3	5
545.RCP	Schillinger	1.0	3.0	1.0	2.7	4.7	6
DG 5630RR	Delta Grow	1.3	3.3	5.0	3.0	3.7	5
V55N5RR	Vigoro	5.3	5.7	3.7	3.3	2.0	3
V562NRR	Vigoro	2.7	3.7	4.7	3.7	3.3	5
SS RT557N	Southern States	6.0	6.0	1.3	6.0	4.7	5
USG 7523nRR	USG	1.0	1.0	3.3	4.0	5.3	6
AV 50D2NRR	AgVenture	1.0	1.0	1.0	2.0	3.7	5

**Table 93. Maturity Group V Late Roundup Ready Soybeans.**

Variety	Brand	Clarksdale Frogeye Leaf Spot	Clarksdale Stem Canker	Clarksdale Late-Season Cercospora	Crawford Red Crown Rot	High Plot Score Red Crown Rot
95B96	Pioneer	6.0	6.7	3.3	2.0	3
DKB57-51	DEKALB	3.3	4.7	3.0	4.3	5
DKB58-51	DEKALB	4.3	1.3	3.3	1.7	2
AG5701	Asgrow	4.7	6.0	5.7	2.3	4
AG5903	Asgrow	4.0	3.0	3.0	2.0	3
AG5905	Asgrow	6.0	6.3	4.0	1.3	2
HBK R5924	Hornbeck	2.3	1.7	3.7	2.3	4
HBK XR561-04	Hornbeck	1.0	1.0	3.3	3.0	4
DP5806 RR	DPL	5.3	4.7	6.0	2.0	2
DP5915RR	DPL	1.0	5.3	3.7	2.7	4
DP 5808RR	DPL	1.0	1.3	3.0	1.3	2
TSR57RK8	Terral	1.3	2.3	4.3	3.0	5
TSR59RQ3	Terral	3.3	1.0	4.0	3.0	4
ESXVT-34RR	Eagle Seed	2.7	1.0	3.7	3.0	5
ESXVT-41RR	Eagle Seed	1.0	1.0	4.0	4.0	5
ES XVT46RR	Eagle Seed	1.0	1.0	7.0	3.7	5
Progeny 5822RR	Progeny	3.7	3.7	4.0	4.7	6
PGY 5714RR	PGY	2.0	2.0	3.3	1.7	2
Progeny 5703RR	Progeny	2.0	4.7	3.7	3.0	3
SS RT 5702N	Southern States	5.0	2.0	2.7	1.3	2
RT 5730N	Southern States	1.0	1.3	4.3	1.3	2
SS RT 5999N	Southern States	6.0	1.3	4.3	2.0	3
5812RR/N	Garst	5.7	1.3	3.3	2.0	3
5924RR/N	Garst	3.3	3.3	3.7	3.0	4
6112RR/N	Garst	2.0	1.7	3.7	1.7	2
95M80	Pioneer	6.0	1.3	4.0	3.7	4
DG 5960RR	Delta Grow	3.7	2.0	3.7	3.3	5
MorSoy RT5773	MorSoy	2.7	4.7	4.7	3.7	5
MorSoy RT5903	MorSoy	4.7	2.7	4.0	3.0	4
Armor 58-V8	Armor	3.7	3.7	3.7	2.7	4
USG 570nRR	USG	4.7	5.0	4.0	1.7	3
USG 7582nRR	USG	4.3	3.0	4.7	2.7	4
RC 5972	Croplan Genetics	4.0	3.0	2.0	3.3	4
TV57R14	Terral	3.3	4.0	3.3	3.0	4
TV58R12	Terral	6.0	3.0	5.7	4.3	5
TV59R14	Terral	3.3	3.3	3.0	3.0	4
TV62R11	Terral	2.0	1.7	6.0	1.3	2
DK5767RR	Delta King	2.7	4.0	3.0	3.7	5
DK5967RR	Delta King	3.3	2.3	3.7	2.7	4
DKXTJ506	Delta King	3.7	2.7	3.7	3.0	5
TVX57R408	Terral	1.0	1.3	3.0	1.3	2
DG 3583NRR	Dyna-Gro	3.0	3.7	4.7	3.3	5
DG 38K57	Dyna-Gro	1.7	4.3	5.7	2.7	4
DG SX04557	Dyna Gro	1.0	1.3	3.3	2.3	4
AV 57D7RR	AgVenture	1.0	1.7	3.7	1.7	2
DG SX04159	Dyna Gro	6.7	1.0	3.3	2.3	3



# Public Varieties Entered

## Arkansas Agricultural Experiment Station

Ozark

R98-1817 (Exp.)

R97-1634 (Exp.)

## University of Missouri

Anand

Delsoy 5500

S02-677 (Exp.)

S02-679 (Exp.)

S02-683 (Exp.)

S02-611 (Exp.)

S00-9970-08 (Exp.)

S00-9979-09 (Exp.)

S00-9925-10 (Exp.)

## USDA Agricultural Research Service

Bolivar

DT97-4290 (Exp.)

DT98-7278 (Exp.)

DT98-9102 (Exp.)

DT99-17048 (Exp.)

DB00-002 (Exp.)

DB00-087 (Exp.)

DB00-138 (Exp.)

DB00-141 (Exp.)

DB00-155 (Exp.)

DB00-173 (Exp.)

DT98-11850 (Exp.)

DT99-17574 (Exp.)

Freedom

## Virginia Agricultural Experiment Station

Hutcheson

Teejay

# Commercial Varieties Entered

AgVenture 6933 Sunflower School Rd. Clarksdale, MS 38614	AgVenture AV46J5NRR AgVenture AV49J7NRR AgVenture AV50J6NRR AgVenture AV52T2NRR	AgVenture AVX456NRR (Exp.) AgVenture AV 50D2NRR AgVenture AV 57D7RR
Armor Seed Company P.O. Box 178 Fisher, AR 72429	Armor 39-E9 Armor 44-R4 Armor 44-R5 Armor 47-G7 Armor GP 474 (was 49-P9) Armor 56-J6 Armor GP 530	Armor GP 513 (was Armor 52-Q2) Armor 58-V8 (was ARX 5981) Armor GP 499 (was ARX A48104)) Armor 49-T3 (was ARX B48104)) Armor 54-03 (was ARX B55104) Armor GP 470 (was ARX D39104)
Cache River Valley Seed 12470 Hwy. 226 Cash, AR 72421	MorSoy RT4802 MorSoy RT4809 MorSoy RT4993 Morsoy RT5204 MorSoy RT5252	MorSoy RT5553 MorSoy RT5620 MorSoy RT5773 MorSoy RT5903
Croplan Genetics P.O. Box 64281 St. Paul, MN 55164	RC 4233 RC 4464 RC 4842	RC 5003 RC 5555 RC 5972
Delta and Pine Land Co. 103 Seaboard Ave. Piedmont, AL 36272	DP3861RR DP4331RR DP4724RR (was DPX4824RR) DP4933RR DP5414RR DP4748S DP5634RR DP5806RR (was DPX3932RR)	DP4546RR (was DPX4446RR) DPX4891RR (Exp.) DP 5808RR DP5110S DP5915RR SG498RR DPX3950RR (Exp.)
Delta Grow Seed P.O. Box 219 England, AR 72046	DG 4340RR DG 4630RR DG 4840RR DG 4860RR DG 4960RR DG 4970RR DG 5260RR	DG 5460RR DG 5555RR DG 5610RR DG 5630RR DG 5650RR DG 5960RR
Delta King Seed Company P.O. Box 970 McCroy, AR 72101	DK3964RR DK3968RR DK4461RR DK4763RR DK4868RR DK4967RR DK5366RR DK55T6RR (Exp.) DK5668RR DK5767RR DK5967RR DK5995 DKXTJ446 (Exp.) DKXTJ540 (Exp.) DKXTJ541 (Exp.) DKXTJ542 (Exp.) DKXTJ543 (Exp.)	DKXTJ545 (Exp.) DKXTJ546 (Exp.) DKXTJ448 (Exp.) DKXTJ548 (Exp.) DKXTJ549 (Exp.) DKXTJ54J9 (Exp.) DKXTJ54X9 (Exp.) DKXTJ554 (Exp.) DKXTJ555 (Exp.) DKXTJ458 (Exp.) DKXTJ501 (Exp.) DKXTJ502 (Exp.) DKXTJ503 (Exp.) DKXTJ505 (Exp.) DKXTJ506 (Exp.) DK5161RR (was DK XTJ452RR)
Eagle Seed Company P.O. Box 308 Weiner, AR 72479	ES XVT-17RR (Exp.) ES XVT-19RR (Exp.) ES XVT-34RR (Exp.)	ES XVT-41RR (Exp.) ES XVT-46RR (Exp.)
FFR Seed 969 Cloverleaf Drive Southaven, MS 38671	FFR 4922RR FFR 5225RR	FFR 5033RR FFR 5663RR
Garst Seed Company 761 Walnut Knoll Lane, Suite 200 Memphis, TN 38018	Garst 4888RR Garst XR48N20 (Exp.) Garst 4999RR/N Garst 5012RR/N Garst 5212RR/N Garst 5812RR/N	Garst 5656RR/STS/N Garst 5225RR Garst 5924RR/N (was XR59N25) Garst 6112RR/N Garst 4612RR/N (was XR46Y02)
Genesis Brand Seed P.O. Box 21085 Lansing, MI 48909	GenesisC444RR Genesis D484RR Genesis D491RR	Genesis D524RR Genesis E434NRR Genesis E484NRR
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK C5894 HBK R4023 HBK R4623 HBK R4724 HBK R4820 HBK R4924 HBK R4945CX HBK R5123	HBK R5324 HBK R5422 HBK R5524 HBK R5620 HBK R5624 HBK R5924 HBK XR561-04 (Exp.)

Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow AG3802 Asgrow AG3905 Asgrow AG3906 Asgrow AG4102 Asgrow AG4201 Asgrow AG4403 Asgrow AG4502 Asgrow AG4603 Asgrow AG4801 Asgrow AG4902 Asgrow AG4903 Asgrow AG5402	Asgrow AG5501 Asgrow AG5605 Asgrow AG5701 Asgrow AG5903 Asgrow AG5905 DEKALB DKB44-51 DEKALB DKB46-51 DEKALB DKB51-51 DEKALB DKB54-52 DEKALB DKB57-51 DEKALB DKB58-51
Pioneer, A Dupont Co. 6767 Old Madison Pike Suite 110 Huntsville, AL 35806	Pioneer variety 93M90 Pioneer variety 94M41 Pioneer variety 94M90 Pioneer variety 94B73	Pioneer variety 95B43 Pioneer variety 95B96 Pioneer variety 95M80
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	PGY 4304RR (Exp.) Progeny 4401RR PGY 4604RR (Exp.) Progeny 4703RR PGY 4804RR (Exp.) Progeny 4910 Progeny 4932RR Progeny 4858RR Progeny 4860RR Progeny 4949RR	Progeny 5250RR PGY 5404RR (Exp.) Progeny 5503RR PGY 5622RR (Exp.) Progeny 5660RR Progeny 5703RR PGY 5770 (Exp.) Progeny 5822RR PGY 5714RR (Exp.) Progeny 3900RR
Royster-Clark, Inc. 717 Robinson Rd. Washington C.H., OH 43160	Vigoro V48N5RR Vigoro V55N5RR Vigoro V562NRR	
Schillinger Seed 200 Bennett's Outlet Lane Queenstown, MD 21658	435.RC 465.RC	495.RC 545.RCP
Southern States Coop P.O. Box 26234 Richmond, VA 23260	SS RT4502N SS RT4902 SS RT4980 SS RT5130N SS RT517N SS RT5001N SS RT5302N	SS RT557N SS RT5540N SS RT5602N SS RT5702N SS RT 5730N SS RT5999N
Syngenta Seed 100 Sangria Drive Hattiesburg, MS 39402	NK S39-K6 NK S43-B1 NK S49-Q9	NK S50-N3 NK S56-D7
Terral Seed, Inc. 905 Broadway Ext N Greenville, MS 38703	TSR46RA5 (Exp.) TSR47RT6 (Exp.)	TSR57RK8 (Exp.) TSR59RQ3 (Exp.)
Terral Seed Company P.O. Box 826 Lake Providence, LA 71254	TV39RS31 (was TVX39RS301) TVX44R401 (Exp.) TVX45RL21 (Exp.) TVX45RM21 (Exp.) TVX45RN21 (Exp.) TVX46R401 (Exp.) TVX48R413 (Exp.) TVX48RL27 (Exp.) TVX48RM27 (Exp.) TVX48RN27 (Exp.) TV49R12 (was TVX49R1L2) TVX49R302 (Exp.) TVX52R301 (Exp.)	TVX55RL23 (Exp.) TVX55RM23 (Exp.) TVX55RN23 (Exp.) TVX55R403 (Exp.) TV56R11 TV56R12 (was TVX56R3K1) TVX56R405 (Exp.) TV57R14 (was TVX57R301) TVX57R408 (Exp.) TV58R12 (was TVX58R1V2) TV59R14 (was TVX59R301) TV62R11 (was TVX62R001)
UAP Mid South 57 Germantown Court Suite 200 Cordova, TN 38018	Dyna-Gro 3443NRR Dyna-Gro 3463NRR Dyna-Gro 3481NRR Dyna-Gro 33B52 Dyna-Gro 3535NRR Dyna-Gro 3562NRR	Dyna-Gro 3583NRR Dyna-Gro 38K57 Dyna-Gro 36M49 (was SX03149) Dyna-Gro SX04557 (Exp.) Dyna-Gro SX04159 (Exp.)
UniSouth Genetics 2640-C Nolensville Rd. Nashville, TN 37211	PVP USG 5002t PVP USG 5601t USG 570nRR USG 7434nRR USG 7440nRR USG 7443nRR USG 7482nRR USG 7484nRR	USG 7494nRR USG 7499nRR USG 510nRR USG 7514nRR USG 7523nRR USG 7524nRR USG 7553nRS USG 7582nRR

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