

# MISSISSIPPI SOYBEAN



## VARIETY TRIALS, 2006



**Experiment Station**  
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**Mississippi Agricultural & Forestry Experiment Station**

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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 76-79 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 76-79.

# Mississippi Soybean Variety Trials, 2006

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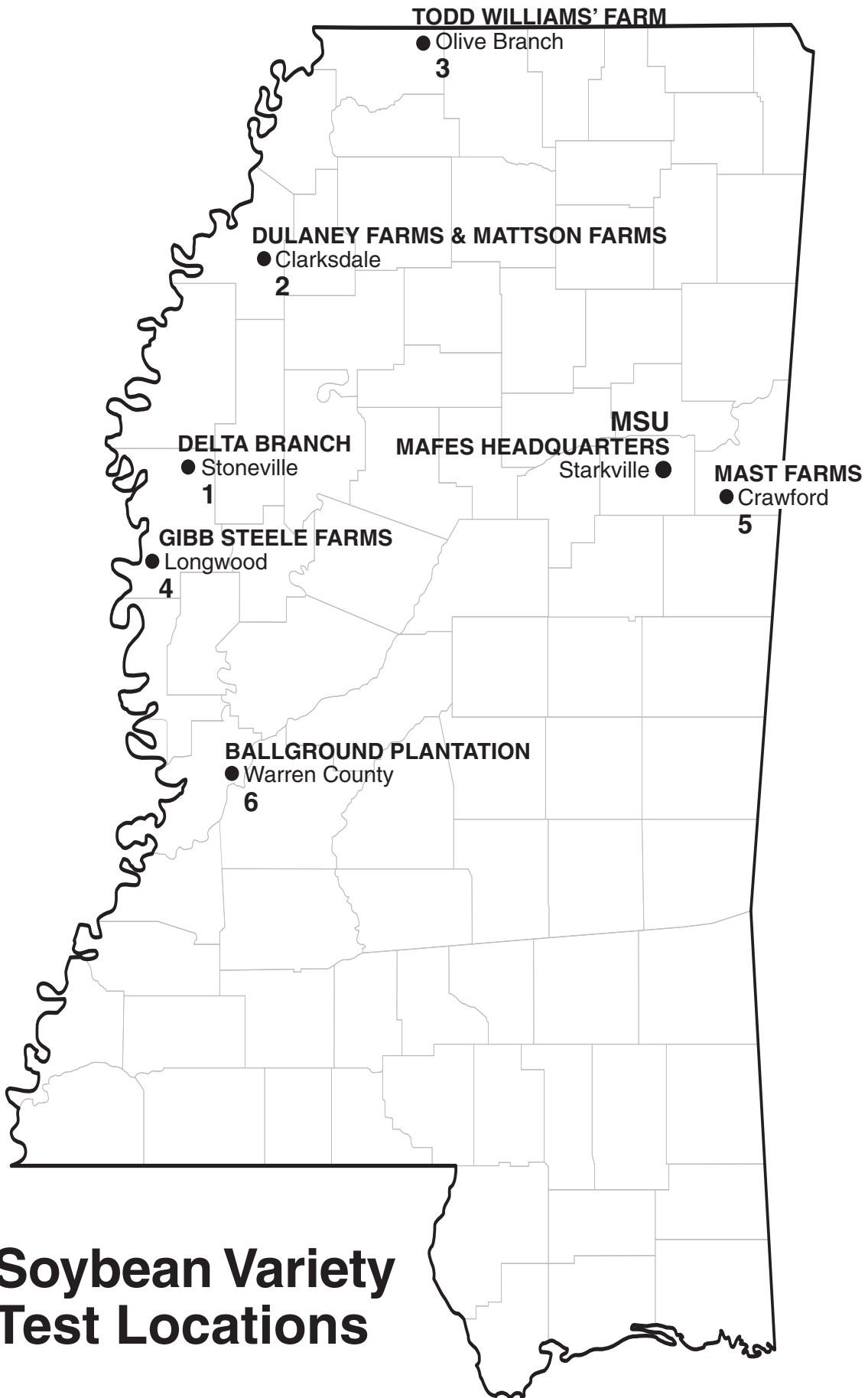
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Recognition is given to Jessie L. Selvie, Jerry W. Nail, and Jason R. Horner, research technicians for the Variety Testing Program, for their assistance in packaging, planting, harvesting, and recording plot data; and Clayton Nash, a student worker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



# Soybean Variety Test Locations

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# Mississippi Soybean Variety Trials, 2006

## 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 2006 (see map). Commercial seed companies were given the opportunity to enter varieties for testing. Seed of all private entries were supplied by the participating companies. Public varieties were selected by the Technical Advisory Committee for evaluation at each location. The experimental design at each location for each maturity group was a randomized complete block, with three replications of each entry.

**Seeding Rate.** All seeds were packaged for planting at the rate of nine seeds per foot of row for 30-inch row spacing and six seeds per foot of row for 18-inch row spacing. Plots were planted with a cone planter. Irrigated plots had four rows, spaced 30 inches apart; nonirrigated plots had three rows, spaced 18 inches apart. All plots were planted to a length of 20 feet. Plot ends were trimmed to a uniform length 3 to 4 weeks after emergence.

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

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

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

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

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

**Disease and Nematodes.** When a disease or nematode problem is correctly identified, the information in Tables 70 to 80 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 70 to 80 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 in this section when choosing a variety.

## General Characteristics of Varieties

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Soybean varieties differ in significant characteristics that may not affect their performance. Tables 62 to 69 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 62 to 69, but this is subject to seasonal variation. Knowing the number of seed per pound is important in determining the amount of seed needed for planting. Fewer pounds are required for small-seeded varieties than for large-seeded varieties. Your county Extension office has a publication



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

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

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

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

#### Conventional Test

Maturity Group	Early Check	Late Check
Group IV Early	–	DP4748S
Group IV Late	DP4748S	DP5110S
Group V Early	DP5110S	USG5601T
Group V Late	USG5601T	–

#### Roundup Ready Test

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

## Use of Data Tables and Summary Statistics

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

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

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

The difference between variety Abe and variety Bill is 5 bushels per acre (40 - 35 = 5). This difference is **smaller** than the LSD (7 bushels per acre). Consequently, it is concluded that variety Abe and variety Bill have the

same yield potential, since the observed difference occurred purely due to chance.

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

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

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



**Table 1. Summary of Yields for Maturity Group IV for the 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP4748S	DPL	49.6	68.0	58.9
HBK C4926	Hornbeck	84.6	77.8	81.2
Stoddard	Public	82.1	54.7	68.4
UA 4805	Public	69.2	35.4	52.3
Overall mean		71.4	59.0	65.2
LSD (.10)		7.7	11.5	6.4
Error degrees of freedom		6	6	12
CV (%)		6.8	12.3	9.5
R <sup>2</sup> (%)		94	91	93

<sup>1</sup>All are released varieties.**Table 2. Summary of Yields for Maturity Group V Early for the 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP5110S	DPL	68.9	72.8	70.9
HBK C5025	Hornbeck	81.0	65.6	73.3
USG 5002T	USG	71.9	61.3	66.6
USG 5601T	USG	64.1	55.4	59.8
DB01-5289 (E)	Public	73.4	48.1	60.8
DB01-7391 (E)	Public	65.1	50.0	57.6
Jake	Public	77.4	54.0	65.7
Ozark	Public	57.2	50.9	54.0
Overall mean		69.9	57.3	63.6
LSD (.10)		9.8	9.6	6.6
Error degrees of freedom		13	14	27
CV (%)		9.7	11.7	10.5
R <sup>2</sup> (%)		70	73	80

<sup>1</sup>(E) = Experimental.**Table 3. Summary of Yields for Maturity Group V Late for the 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DK 5870	Delta King	80.7	73.8	77.2
HBK C5894	Hornbeck	72.7	68.0	70.3
Freedom	Public	74.2	43.5	58.9
Overall mean		75.9	61.8	68.8
LSD (.10)		9.0	7.3	5.1
Error degrees of freedom		4	4	8
CV (%)		6.8	6.8	6.9
R <sup>2</sup> (%)		69	96	94

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

**Table 4. Summary of Yields for Maturity Group III Roundup Ready for the 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Stoneville Nonirr.	Delta avg.		Olive Branch		Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>		<i>bu/A</i>
AV38T7	AgVenture	18.3	26.5	22.4		33.4		26.1
Armor AFX-3907 (E)	Armor	23.7	32.4	28.0		34.9		30.3
Armor AFX-3981 (E)	Armor	22.8	29.5	26.2		39.5		30.6
AG3705	Asgrow	18.6	25.5	22.1		33.7		25.9
AG3802	Asgrow	22.3	30.8	26.5		35.2		29.4
AG3905	Asgrow	18.8	28.9	23.9		39.6		29.1
AG3906	Asgrow	19.5	27.8	23.7		40.0		29.1
DG3950RR	Delta Grow	22.8	28.3	25.5		35.6		28.9
DG3960RR	Delta Grow	27.5	32.2	29.9		40.8		33.5
DK3964	Delta King	19.9	30.3	25.1		42.7		31.0
DK3967	Delta King	20.5	26.1	23.3		36.0		27.5
DK39T6 (E)	Delta King	19.7	29.4	24.5		41.2		30.1
DP3861RR	DPL	19.9	27.9	23.9		36.0		28.0
DPX3994RR (E)	DPL	16.9	23.2	20.1		39.2		26.4
DG 31J39	Dyna-Gro	17.6	27.3	22.5		37.1		27.3
DG 3392	Dyna-Gro	17.6	23.7	20.6		28.7		23.3
HBK R3824	Hornbeck	17.2	27.4	22.3		44.7		29.8
MorSoy RT 3883N	MorSoy	21.3	28.3	24.8		38.7		29.4
MorSoy RT 3906N (E)	MorSoy	19.3	29.3	24.3		42.0		30.2
93M90	Pioneer	23.9	26.9	25.4		32.9		27.9
Progeny 3900RR	Progeny	20.2	28.8	24.5		34.2		27.7
Progeny 3906RR (E)	Progeny	18.6	28.8	23.7		40.5		29.3
Progeny 3916RR (E)	Progeny	22.6	26.4	24.5		40.4		29.8
TV39RS31	Terral	17.1	24.7	20.9		39.2		27.0
TVX39R017 (E)	Terral	19.1	29.4	24.3		40.7		29.8
Overall mean		20.2	28.0	24.1		37.9		28.7
LSD (.10)		3.7	3.5	2.5		6.9		2.8
Error degrees of freedom		48	48	96		48		144
CV (%)		13.3	9.1	10.8		13.3		12.6
R <sup>2</sup> (%)		65	67	84		50		88

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

**Table 5. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	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>	<i>bu/A</i>	<i>bu/A</i>
AV 44D4	AgVenture	20.4	36.4	48.5	66.1	21.6	38.6	40.3	40.0	40.2	39.0
AV 46J5NRR	AgVenture	16.3	34.1	47.8	62.1	22.5	36.6	38.3	32.3	35.3	36.2
AV XG43 (E)	AgVenture	15.5	30.1	53.9	65.2	17.6	36.5	46.4	34.9	40.7	37.7
Armor GP-422	Armor	18.3	34.8	53.6	68.7	24.1	39.9	41.9	36.9	39.4	39.7
Armor GP-454	Armor	21.5	35.1	53.3	69.9	26.1	41.2	42.4	36.8	39.6	40.7
AG4103	Asgrow	22.3	22.9	36.3	69.7	22.7	34.8	40.0	33.2	36.6	35.3
AG4403	Asgrow	14.6	26.2	62.4	70.6	22.8	39.3	44.0	35.7	39.9	39.5
AG4404	Asgrow	15.8	26.7	57.1	67.0	26.2	38.5	47.7	29.7	38.7	38.6
AG4703	Asgrow	15.8	35.0	65.9	80.5	25.8	44.6	41.5	30.7	36.1	42.2
RC4233RR	Croplan Genetics	15.2	30.0	52.1	70.2	18.3	37.2	38.1	33.4	35.8	36.8
RC4432RR	Croplan Genetics	16.9	27.4	48.8	64.7	21.0	35.8	38.1	34.7	36.4	36.0
RC4455RR	Croplan Genetics	23.6	25.9	53.8	61.8	26.6	38.4	53.5	35.8	44.6	40.1
RC4655RR	Croplan Genetics	9.4	37.7	59.4	69.9	10.9	37.5	40.2	35.3	37.8	37.6
DKB40-51	DEKALB	19.6	29.8	52.4	65.1	22.8	37.9	42.6	27.1	34.8	37.0
DKB46-51	DEKALB	18.0	33.1	60.0	78.0	27.2	43.3	48.9	24.5	36.7	41.4
DG4150RR	Delta Grow	18.7	17.1	48.4	69.5	26.9	36.1	53.8	31.3	42.5	38.0
DG4460RR	Delta Grow	19.5	29.2	48.0	58.8	23.9	35.9	54.9	35.4	45.2	38.5
DG4660RR	Delta Grow	15.7	46.2	69.6	88.7	20.1	48.1	49.4	43.1	46.3	47.5
DK 4461	Delta King	16.1	33.5	56.6	76.4	24.9	41.5	45.6	39.7	42.7	41.8
DK 4661	Delta King	8.6	40.9	60.4	69.4	12.7	38.4	34.9	38.9	36.9	38.0
DK 4667	Delta King	14.0	54.4	68.4	86.8	20.9	48.9	44.1	44.5	44.3	47.6
DK XTJ701 (E)	Delta King	17.5	31.3	57.0	77.2	22.4	41.1	40.0	34.7	37.4	40.0
DK 4567	Delta King	19.3	34.5	54.5	75.8	18.1	40.4	45.7	32.0	38.9	40.0
DP4331RR	DPL	17.0	35.7	52.1	73.3	23.7	40.3	49.5	35.0	42.2	40.9
DP4546RR	DPL	10.3	46.3	57.5	76.6	21.7	42.5	40.9	37.4	39.1	41.5
DP 06-4361 (E)	DPL	14.9	34.9	55.7	73.9	26.2	41.1	42.8	29.0	35.9	39.6
DP 06-4450 (E)	DPL	25.7	39.0	54.1	67.2	20.8	41.4	42.8	38.1	40.4	41.1
DP4112RR/S	DPL	20.2	38.7	44.8	70.7	25.6	40.0	31.1	36.5	33.8	38.2
DG 32R46	Dyna-Gro	14.6	35.8	71.0	82.8	17.0	44.2	46.8	39.9	43.4	44.0
DG 3443NRR	Dyna-Gro	14.1	35.2	59.6	78.4	25.0	42.5	43.9	38.6	41.3	42.1
DG 3463NRR	Dyna-Gro	18.2	31.7	47.0	66.2	24.9	37.6	39.5	25.5	32.5	36.1
DG 35B40	Dyna-Gro	15.9	22.5	48.8	68.8	24.8	36.2	46.6	35.5	41.0	37.6
DG 37A44	Dyna-Gro	14.8	35.6	52.1	70.4	25.1	39.6	51.3	38.7	45.0	41.2
DG 37F46	Dyna-Gro	14.1	52.7	70.4	86.4	21.7	49.1	54.4	45.1	49.7	49.2
8447NRR	Excel	11.2	27.2	74.7	74.9	12.4	40.1	52.7	41.1	46.9	42.0
8448NRR	Excel	22.4	33.3	36.3	71.7	26.1	37.9	30.7	30.9	30.8	35.9
HBK R3824	Hornbeck	16.2	29.7	53.0	59.7	27.3	37.2	41.5	36.7	39.2	37.7
HBK R4623	Hornbeck	14.6	32.4	51.3	66.6	25.3	38.0	40.0	33.8	36.9	37.7
HBK HX4524 (E)	Hornbeck	14.8	44.8	63.8	77.6	17.9	43.8	46.8	40.9	43.9	43.8
MorSoy RT 4480N	MorSoy	17.9	36.4	51.1	78.4	27.3	42.2	48.6	37.5	43.1	42.5
MorSoy RT 4485N	MorSoy	20.7	39.5	52.4	71.5	25.7	42.0	49.4	37.4	43.4	42.4
MorSoy RT 4665N	MorSoy	11.1	52.3	67.5	84.2	20.7	47.1	55.0	42.3	48.6	47.6
NK S43-B1	NK Brand	17.9	45.3	46.2	75.1	19.0	40.7	44.8	31.5	38.2	40.0
NK XR4669 (E)	NK Brand	22.7	42.3	59.4	80.4	32.2	47.4	51.8	40.2	46.0	47.0
94M31	Pioneer	16.3	26.4	49.1	71.1	20.8	36.8	32.3	30.1	31.2	35.2
94M50	Pioneer	17.8	39.3	50.1	72.1	23.1	40.3	42.4	26.4	34.4	38.6
Progeny 4401RR	Progeny	17.2	39.3	58.7	80.2	25.6	44.2	46.4	34.5	40.5	43.1
Progeny 4206RR (E)	Progeny	20.0	40.2	52.5	79.7	29.3	44.3	41.5	37.8	39.6	43.0
Progeny 4216RR (E)	Progeny	14.9	32.7	41.3	68.5	24.1	36.3	28.5	31.9	30.2	34.5
Progeny 4405RR	Progeny	20.6	38.2	54.3	66.7	24.1	40.8	49.5	35.0	42.3	41.2
Progeny 4406RR (E)	Progeny	21.2	41.2	52.8	69.8	25.2	42.1	48.9	39.2	44.0	42.6
Progeny 4506RR (E)	Progeny	16.3	43.7	60.8	75.0	20.4	43.2	38.3	33.1	35.7	41.1
TV45R14	Terral	16.4	40.0	45.8	69.0	24.7	39.2	32.7	41.3	37.0	38.6
TV46R15	Terral	14.4	32.5	58.3	74.1	22.7	40.4	39.5	38.3	40.0	40.0
TVX44R270 (E)	Terral	18.1	41.4	47.9	64.9	28.2	40.1	42.5	37.5	40.0	40.0
USG 74C36	USG	13.2	23.6	41.3	67.3	17.6	32.6	46.7	41.8	44.3	35.9
USG 74T35	USG	16.6	29.2	46.3	68.5	22.3	36.6	29.8	28.1	29.0	34.4
USG 7440nRR	USG	14.0	35.7	58.5	73.6	25.3	41.4	48.6	40.9	44.8	42.3
USG 7466nRR	USG	13.7	47.3	69.2	85.4	22.1	47.5	52.8	45.3	49.1	48.0
V44N6RR	Vigoro	20.7	33.2	52.6	65.7	27.6	40.0	42.7	39.1	40.9	40.2
V47N6RR	Vigoro	13.7	47.2	63.6	86.2	19.5	46.0	44.8	42.1	43.5	45.3
S03-051RR (E)	Public	15.5	27.2	34.3	61.9	18.8	31.5	28.8	32.9	30.9	31.4
S03-058RR (E)	Public	14.7	34.7	46.5	69.8	19.9	37.1	34.3	40.8	37.6	37.2
Overall mean		16.8	35.5	54.3	72.3	22.8	40.3	43.4	36.0	39.7	40.2
LSD (.10)		3.4	6.8	7.5	6.1	3.3	2.5	9.8	7.3	6.1	2.5
Error degrees of freedom		124	124	124	124	124	620	124	124	248	868
CV (%)		15.1	14.2	10.2	6.3	10.8	10.5	16.7	15.1	16.1	12.3
R <sup>2</sup> (%)		75	80	82	80	83	98	59	55	65	96

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

**Table 6. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale	Clarksdale	Longwood	Stoneville	Stoneville	Delta	Olive	Warren	Hill	Overall
		Nonirr.	Irr.		Irr.	Nonirr.					
		<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>
AV 49D6	AgVenture	18.3	48.1	70.6	78.8	13.1	45.8	56.4	34.2	45.3	45.7
AV49J7NRR	AgVenture	19.2	34.2	73.1	71.2	19.4	43.4	57.9	40.0	49.0	45.0
AV50D2N	AgVenture	23.3	46.7	72.3	67.0	22.1	46.3	49.6	41.0	45.3	46.0
AV XG47A (E)	AgVenture	24.8	45.5	61.8	70.8	24.1	45.4	41.0	34.5	37.8	43.2
Armor GP-488	Armor	17.7	38.0	64.8	72.0	20.7	42.7	42.4	41.0	41.8	42.4
Armor GP-490	Armor	19.7	29.4	71.1	60.4	20.4	40.2	46.8	48.2	47.5	42.3
AG4703	Asgrow	20.4	24.5	73.6	70.2	23.4	42.4	46.2	43.2	44.8	43.1
AG4903	Asgrow	16.8	46.8	74.3	75.2	18.3	46.3	46.9	44.6	45.8	46.1
RC4842RR	Croplan Genetics	15.6	31.8	66.1	64.0	14.6	38.4	43.6	45.2	44.4	40.1
RC4955RR	Croplan Genetics	15.1	42.6	67.8	79.6	15.9	44.2	56.9	23.5	40.2	43.1
DG4770RR	Delta Grow	26.4	28.5	58.5	72.1	24.1	41.9	38.3	47.0	42.6	42.1
DG4840RR	Delta Grow	17.1	34.6	66.7	73.6	17.1	41.8	45.3	30.0	37.7	40.6
DG4860RR	Delta Grow	23.5	32.6	72.8	73.3	18.4	44.1	42.2	46.5	44.4	44.2
DG4960RR	Delta Grow	10.9	35.9	63.6	69.9	30.0	42.1	52.0	36.9	44.5	42.8
DG4970RR	Delta Grow	16.0	31.0	67.3	59.0	25.1	39.7	50.5	38.3	44.4	41.0
DG4975LARR	Delta Grow	16.3	51.6	70.5	81.3	23.6	48.7	44.2	49.2	46.7	48.1
DK4763	Delta King	22.5	28.6	64.9	52.5	30.6	39.8	36.7	33.4	35.0	38.4
DK4764	Delta King	19.2	29.6	53.7	60.3	23.9	37.3	45.7	35.8	40.7	38.3
DK4866	Delta King	15.9	40.8	83.4	80.6	17.7	47.7	44.0	31.9	38.0	44.9
DK4967	Delta King	19.3	35.5	71.2	73.0	18.4	43.5	34.1	41.6	37.9	41.9
DK4968	Delta King	16.0	39.2	70.9	61.7	18.5	50.2	50.8	38.4	43.3	48.2
DK XTJ702 (E)	Delta King	19.6	36.7	87.1	84.3	23.2	36.9	48.7	37.8	29.1	34.7
DK XTJ747 (E)	Delta King	19.5	25.8	59.1	65.0	15.3	41.3	32.2	26.0	44.6	42.2
DK XTJ750 (E)	Delta King	19.2	60.4	80.1	74.3	22.4	51.3	47.2	46.9	47.0	50.1
DP 4724RR	DPL	13.5	36.8	74.6	72.8	19.0	43.4	44.5	39.7	42.1	43.0
DPX 4888RR/S (E)	DPL	19.2	26.9	69.8	71.5	25.9	42.7	50.2	57.5	53.9	45.9
DP4919RR/S	DPL	21.5	47.7	65.0	72.5	17.3	44.8	46.1	40.8	43.5	44.4
DPX 9202RR/S (E)	DPL	21.2	33.9	70.5	68.9	23.3	43.6	48.3	45.5	46.9	44.5
DPX 9391RR/S (E)	DPL	16.0	31.6	60.0	73.2	15.8	39.3	49.8	44.9	47.4	41.6
DG 3481NRR	Dyna-Gro	14.9	33.1	74.3	75.0	17.3	42.9	35.7	39.2	37.4	41.3
DG 35Z49	Dyna-Gro	19.1	36.4	73.8	79.2	19.1	45.5	52.9	39.6	46.3	45.7
DG 36M49	Dyna-Gro	16.7	45.1	71.6	73.8	18.3	45.1	42.7	41.3	42.0	44.2
DG 36Y48	Dyna -Gro	13.6	49.5	71.7	70.3	16.5	44.3	50.2	46.4	48.3	45.4
DG 37P49	Dyna-Gro	18.7	46.5	77.1	79.4	19.2	48.2	55.2	41.8	48.5	48.3
8481NRR	Excel	21.2	40.6	65.3	78.7	29.0	47.0	51.1	28.0	39.6	44.8
8493NRR	Excel	13.5	40.9	61.4	68.9	16.	40.1	37.2	37.6	37.4	39.4
FFR 4886RR	FFR	14.8	46.6	69.2	80.6	17.5	45.8	51.7	38.8	45.3	45.6
FFR 4955RR	FFR	16.8	53.4	69.8	72.5	13.0	45.1	44.6	23.5	34.0	41.9
HBK R4724	Hornbeck	19.9	31.6	52.8	71.1	21.1	39.3	36.5	33.9	35.2	38.1
HBK R4924	Hornbeck	14.2	41.6	67.3	75.1	23.7	44.4	48.0	37.8	42.9	44.0
HBK HX4843 (E)	Hornbeck	18.9	44.2	63.8	67.2	22.0	43.2	50.0	45.7	47.9	44.6
MorSoy RT 4706N (E)	MorSoy	19.0	40.5	72.4	77.3	18.6	45.5	35.4	45.7	40.6	44.1
MorSoy RT 4755N (E)	MorSoy	16.5	35.9	71.7	67.2	16.8	41.6	58.4	35.6	49.0	43.2
MorSoy RT 4802N	MorSoy	17.1	42.7	66.5	73.4	18.8	43.7	36.0	41.3	38.6	42.3
MorSoy RT 4806N (E)	MorSoy	23.2	32.8	65.7	72.3	23.8	43.6	35.9	36.0	35.9	41.4
MorSoy RT 4914N	MorSoy	21.2	41.7	73.3	68.1	26.0	46.1	50.1	42.6	46.4	46.2
MorSoy RT 4993N	MorSoy	14.2	47.8	69.9	74.3	18.6	45.0	50.8	45.3	48.1	45.9
MorSoy RTS 4955N	MorSoy	16.4	54.6	73.8	79.2	17.6	48.3	47.0	36.4	41.7	46.4
NK S49-Q9	NK Brand	23.2	39.3	70.7	74.8	20.4	45.7	47.7	34.2	40.9	44.3
NK XR4967 (E)	NK Brand	20.0	43.7	61.4	72.4	14.2	42.3	33.9	26.7	30.4	38.9
94B73	Pioneer	32.1	38.2	62.9	69.3	35.6	47.6	39.3	39.7	39.5	45.3
94M80	Pioneer	21.3	27.2	62.4	62.6	21.7	39.0	32.2	41.1	36.7	38.4
Progeny 4606RR (E)	Progeny	22.0	33.0	81.7	71.9	17.4	45.2	44.5	44.3	44.4	45.0
Progeny 4706RR (E)	Progeny	25.2	34.1	70.7	72.4	24.8	45.4	45.2	43.7	44.4	45.1
Progeny 4716RR (E)	Progeny	17.7	34.7	77.3	74.6	15.9	44.1	48.1	38.2	43.2	43.8
Progeny 4804RR	Progeny	19.3	46.7	70.0	74.1	18.8	45.7	44.4	46.3	45.4	45.6
Progeny 4805RR	Progeny	15.1	39.1	72.4	74.1	14.7	43.1	44.6	39.9	42.3	42.8
Progeny 4906RR (E)	Progeny	19.1	53.3	75.0	84.5	18.9	50.1	48.6	47.2	47.9	49.5
Progeny 4949RR	Progeny	19.0	50.2	68.8	71.7	19.3	45.8	40.8	47.7	44.3	45.3
495.RC	Schillinger	25.6	41.0	71.5	65.5	29.5	46.6	51.5	46.5	49.0	47.2
4782-4	Stine	21.9	33.1	70.4	71.7	19.0	43.2	35.9	44.9	40.4	42.4
TV48R14	Terral	19.5	45.1	60.2	70.4	21.6	43.4	49.1	40.4	44.7	43.8
TV49R12	Terral	17.6	48.0	63.0	63.5	17.3	41.9	39.4	35.9	37.7	40.7
TVX47R017 (E)	Terral	16.7	42.8	74.3	73.5	18.1	45.1	40.3	35.8	38.1	43.1

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

**Table 6 (cont.). Summary of Yields for Maturity Group IV Late Roundup Ready for the 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	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>	<i>bu/A</i>	<i>bu/A</i>
TVX49R017 (E)	Terral	21.2	53.3	70.4	77.1	21.5	48.7	44.1	29.8	36.9	45.3
TVX49R270 (E)	Terral	22.3	40.7	69.9	76.6	28.9	47.7	41.9	36.2	39.1	45.2
USG 747R6	USG	17.7	42.2	74.4	77.6	17.8	45.9	47.6	48.5	48.0	46.5
USG 74T85	USG	11.1	44.2	68.2	71.2	12.6	41.5	45.1	40.4	42.8	41.8
USG 7494nRR	USG	21.8	38.3	72.0	77.3	20.2	45.9	42.7	46.4	44.6	45.5
V49N6RR	Vigoro	23.3	43.1	67.0	70.3	24.1	45.6	51.1	38.1	44.7	45.3
S03-007RR (E)	Public	24.3	40.7	61.9	69.0	20.9	43.4	47.1	41.6	44.3	43.6
Overall mean		19.0	39.9	69.2	72.0	20.4	44.1	45.3	39.9	42.6	43.7
LSD (.10)		5.1	8.1	8.9	9.1	5.2	3.3	11.5	10.3	7.7	3.2
Error degrees of freedom		140	140	140	140	140	700	140	140	280	980
CV (%)		19.8	15.1	9.5	9.3	18.9	12.4	18.7	19.1	18.9	14.5
R <sup>2</sup> (%)		67	74	71	65	71	97	49	52	55	94

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

**Table 7. Summary of Yields for Maturity Group V Early Roundup Ready for the 2006 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>
AGS 568RR	AgSouth	56.9	79.3	75.0	70.4	47.3	36.8	42.1	59.1
AV 51G1 (E)	AgVenture	52.8	64.8	78.5	65.4	44.6	34.4	39.5	55.0
AV 54D4	AgVenture	59.7	63.2	68.8	63.9	40.5	28.4	34.4	52.1
AV XG51B (E)	AgVenture	62.7	66.4	74.6	67.9	43.4	38.4	40.9	57.1
AV XG55B (E)	AgVenture	41.6	62.6	57.3	53.8	38.0	40.5	39.3	48.0
AV XG56 (E)	AgVenture	45.9	65.6	74.1	61.9	48.6	30.9	39.7	53.0
Armor GP-513	Armor	58.6	72.2	78.9	69.9	46.3	37.9	42.1	58.8
Armor GP-555	Armor	52.3	73.6	74.4	66.8	49.7	27.3	38.5	55.5
Armor GP-533	Armor	56.6	80.6	74.1	70.4	42.3	21.6	32.0	55.0
AG5501	Asgrow	52.0	71.4	67.4	63.6	47.0	33.8	40.4	54.3
AG5702	Asgrow	60.8	69.6	69.9	66.8	40.1	31.3	35.7	54.3
RC 5003	Croplan Genetics	44.2	61.4	68.5	58.0	47.5	35.3	41.4	51.4
DG5160RR	Delta Grow	51.9	71.8	74.8	66.1	46.4	39.4	42.9	56.8
DG5260RR	Delta Grow	29.5	53.3	26.0	36.3	32.5	22.1	27.3	32.7
DG5300RR	Delta Grow	46.3	67.6	74.9	63.9	46.3	42.0	44.1	55.4
DG5470RR	Delta Grow	54.5	62.2	66.8	61.1	39.2	33.7	36.4	51.3
DG5630RR	Delta Grow	54.5	66.3	67.6	62.8	52.3	17.9	35.1	51.7
DG5650RR	Delta Grow	38.9	65.3	59.9	54.7	48.9	32.1	40.5	49.0
DK5066	Delta King	63.7	69.0	79.3	70.6	40.2	41.3	40.8	58.7
DK5161	Delta King	56.3	76.0	78.2	70.2	40.2	38.5	39.4	57.9
DK52K6	Delta King	64.9	74.5	76.1	71.8	49.1	32.1	40.6	59.3
DK5366	Delta King	65.3	74.1	77.5	72.3	40.6	21.0	30.8	55.7
DK5567	Delta King	54.6	64.8	74.8	64.7	39.8	29.5	34.7	52.7
DK55T6	Delta King	61.0	66.0	74.1	67.1	46.8	26.4	36.6	54.9
DK XTJ703 (E)	Delta King	45.3	63.5	60.0	56.3	42.6	33.7	38.2	49.0
DK XTJ704 (E)	Delta King	63.8	76.8	77.4	72.7	34.6	44.6	39.6	59.4
DK 5368	Delta King	67.8	76.9	76.3	73.7	41.8	41.7	41.8	60.9
DP5414RR	DPL	49.9	66.9	68.2	61.7	37.9	37.0	37.4	52.0
DP5634RR	DPL	70.9	71.0	79.1	73.7	47.4	33.0	40.2	60.3
DP5115RR/S	DPL	57.4	67.0	68.3	64.2	39.8	26.0	32.9	51.7
DPX 5520RR/S (E)	DPL	56.5	62.2	73.6	64.1	33.3	25.5	29.4	50.2
DG32A53	Dyna-Gro	63.7	69.2	76.7	69.9	42.4	44.2	43.3	59.2
DG33B52	Dyna-Gro	54.3	67.6	74.1	65.3	39.7	43.6	41.7	55.9
DG33X55	Dyna-Gro	59.6	71.8	73.0	68.1	41.6	40.8	41.2	57.3
DG34J56	Dyna-Gro	60.6	75.1	74.6	70.1	51.0	32.9	42.0	58.8
DG3535NRR	Dyna-Gro	59.3	65.4	77.7	67.5	41.2	28.9	35.1	54.5
ESXVT-16RR (E)	Eagle Seed	61.0	68.8	53.1	61.0	30.6	36.1	33.4	49.9
ESXVT-78RR (E)	Eagle Seed	57.9	51.8	59.5	56.4	45.8	25.1	35.5	48.0
ESXVT-110RR (E)	Eagle Seed	59.5	66.9	66.6	64.3	48.8	25.9	37.4	53.5
ESXVT-111RR (E)	Eagle Seed	56.0	65.7	70.1	63.9	39.4	33.0	36.2	52.8
ESXVT-155RR (E)	Eagle Seed	56.0	67.0	60.6	61.2	41.4	49.8	45.6	55.0

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

**Table 7 (cont.). Summary of Yields for Maturity Group V Early Roundup Ready for the 2006 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>
ESXVT-173RR (E)	Eagle Seed	55.8	57.1	59.0	57.3	44.3	14.2	29.3	46.1
ESXVT-518RR (E)	Eagle Seed	60.6	66.9	52.7	60.1	42.7	33.4	38.0	51.3
ESXVT-675RR (E)	Eagle Seed	53.3	54.8	64.6	57.6	42.8	24.9	33.9	48.1
8512NRR	Excel	55.0	64.5	66.4	62.0	38.1	30.1	34.1	50.8
8520NRR	Excel	38.1	72.4	59.3	56.6	37.8	37.5	37.7	49.0
FFR 5116RR	FFR	49.0	76.5	74.4	66.6	46.3	40.0	43.1	57.2
FFR 5663RR	FFR	64.8	77.7	68.0	70.2	55.4	35.1	45.2	60.2
HBK R5226	Hornbeck	60.0	72.0	75.5	69.1	43.6	35.0	39.3	57.2
HBK R5425	Hornbeck	56.5	60.1	62.1	59.5	42.2	21.0	31.6	48.4
HBK R5525	Hornbeck	54.6	70.8	70.8	65.4	42.5	30.9	36.7	53.9
MPG 7450nRR	M-Pride	42.4	68.5	61.3	57.4	33.4	25.7	29.5	46.3
MPG 7453nRR	M-Pride	43.2	72.8	71.5	62.5	50.7	27.2	39.0	53.1
MPG 7552nRR	M-Pride	45.8	75.5	73.7	65.0	37.6	34.3	36.0	53.4
MPG 7554nRR	M-Pride	52.8	59.1	70.8	60.9	37.1	30.2	33.7	50.0
MorSoy RT 5206N (E)	MorSoy	56.2	63.0	76.6	65.2	36.4	36.0	36.2	53.6
MorSoy RT 5306N (E)	MorSoy	37.2	68.6	65.5	57.1	44.1	31.7	37.9	49.4
MorSoy RT 5506N (E)	MorSoy	44.1	64.3	53.4	53.9	38.7	41.9	40.3	48.4
NK S53-A1	NK Brand	49.0	62.5	72.0	61.2	42.2	38.5	40.4	52.9
NK S56-D7	NK Brand	77.0	72.4	79.1	76.2	48.6	27.9	38.3	61.0
NK XR5068 (E)	NK Brand	59.7	69.4	69.9	66.3	36.8	38.2	37.5	54.8
NK XR5168 (E)	NK Brand	47.6	63.0	60.0	56.9	46.7	33.2	40.0	50.1
NK XR5263 (E)	NK Brand	65.3	64.5	71.6	67.2	43.6	37.6	40.6	56.5
NK XR5563 (E)	NK Brand	53.9	63.9	69.8	62.5	39.7	13.7	26.7	48.2
95M30	Pioneer	59.3	68.7	69.5	65.8	41.5	32.3	36.9	54.2
95M50	Pioneer	57.0	74.1	68.8	66.6	40.9	30.0	35.5	54.1
Progeny 5115RR	Progeny	57.9	66.8	77.4	67.4	38.3	34.3	36.3	55.0
Progeny 5205RR	Progeny	32.4	63.7	45.8	47.3	36.2	27.8	32.0	41.2
Progeny 5260RR (E)	Progeny	53.0	64.6	73.8	63.8	43.8	38.6	41.2	54.7
Progeny 5406RR (E)	Progeny	38.7	61.3	45.5	48.5	35.7	39.7	37.7	44.2
Progeny 5622RR	Progeny	47.6	68.1	65.4	60.4	40.4	23.4	31.9	49.0
Progeny 5650RR	Progeny	56.1	73.8	74.8	68.3	47.8	24.4	36.1	55.4
55109 (E)	Schillinger	40.8	59.5	64.2	54.8	34.6	35.9	35.2	47.0
5142-4	Stine	44.3	67.4	72.2	61.3	34.0	32.2	33.1	50.0
TV52R14	Terral	57.5	70.7	62.3	63.5	44.5	41.9	43.2	55.4
TV55R15	Terral	64.8	78.5	85.0	76.1	46.8	45.2	46.0	64.0
TVX51R17 (E)	Terral	57.9	69.7	78.4	68.7	42.0	28.6	35.3	55.3
TVX53R017 (E)	Terral	51.4	59.0	66.7	59.1	34.0	29.4	31.7	48.1
TVX53R027 (E)	Terral	50.2	64.2	67.7	60.7	40.8	34.4	37.6	51.4
TVX53R037 (E)	Terral	45.8	55.4	67.5	56.3	33.3	32.0	32.7	46.8
USG 7505nRR	USG	50.2	68.7	58.6	59.1	34.4	31.9	33.2	48.7
USG 7515nRS	USG	54.9	66.3	67.9	63.0	41.7	40.4	41.0	54.2
USG 7553nRS	USG	40.2	65.2	69.1	58.2	46.5	36.7	41.6	51.4
V50N7RS	Vigoro	54.3	74.3	77.3	68.6	43.6	40.6	42.1	58.0
V51N7RS	Vigoro	52.5	67.6	80.3	66.8	48.0	33.7	40.9	56.4
S03-328RR (E)	Public	45.7	65.9	64.6	58.7	37.1	26.7	31.9	48.0
S03-383RR (E)	Public	53.7	59.1	65.9	59.6	36.5	31.0	33.8	49.3
Overall mean		53.7	67.5	68.9	63.4	42.0	32.9	37.4	53.0
LSD (.10)		8.1	7.6	6.7	4.3	10.6	7.2	6.4	3.6
Error degrees of freedom		172	172	172	516	172	172	344	860
CV (%)		11.2	8.3	7.2	8.7	18.6	16.2	17.9	11.4
R <sup>2</sup> (%)		78	70	83	85	47	73	68	91

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



**Table 8. Summary of Yields for Maturity Group V Late Roundup Ready for the 2006 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>
AV57D7NRR	AgVenture	46.8	74.7	72.2	64.6	54.2	34.6	44.4	56.5
AG5702	Asgrow	47.2	60.0	66.0	57.7	39.6	34.3	37.0	49.4
AG5903	Asgrow	52.4	67.5	67.4	62.4	44.1	28.8	36.4	52.0
AG5905	Asgrow	71.4	69.3	70.9	70.5	44.3	26.0	35.1	56.4
DG5830RR	Delta Grow	53.4	68.3	74.4	65.4	47.0	23.7	35.4	53.4
DG5960RR	Delta Grow	35.8	55.5	54.2	48.5	41.0	25.1	33.1	42.3
DK XTJ705 (E)	Delta King	60.2	64.5	68.4	64.3	44.3	31.3	37.8	53.7
DK XTJ706 (E)	Delta King	70.7	67.6	71.0	69.8	51.0	41.6	46.3	60.4
DP5808RR	DPL	58.4	82.4	73.8	71.5	53.3	27.1	40.2	59.0
DP5915RR	DPL	50.2	65.4	59.4	58.3	51.8	19.7	35.8	49.3
DPX 5914RR (E)	DPL	48.5	66.7	68.2	61.1	42.3	36.7	39.5	52.5
DG3583NRR	Dyna-Gro	55.3	67.8	63.8	62.3	46.1	31.8	39.0	53.0
DG3600	Dyna-Gro	60.9	64.2	64.4	63.2	49.8	24.6	37.3	52.8
DG36N57	Dyna-Gro	55.6	75.7	69.5	66.9	48.3	32.1	40.2	56.2
DG36T60	Dyna-Gro	56.7	69.2	69.1	65.0	46.8	26.1	36.5	53.6
DG38K57	Dyna-Gro	48.4	65.1	58.7	57.4	54.0	35.1	44.6	52.3
HBK R5825	Hornbeck	65.7	70.3	73.7	69.9	37.2	22.5	29.8	53.9
HBK R5924	Hornbeck	52.4	73.3	69.7	65.1	41.1	31.7	36.4	53.7
NK XR5862 (E)	NK Brand	59.8	63.4	67.4	63.5	48.8	14.0	31.4	50.7
NK XR5964 (E)	NK Brand	58.8	62.2	66.1	62.4	47.6	23.9	35.8	51.7
NK XR6062 (E)	NK Brand	65.6	64.8	70.1	66.8	48.2	21.9	35.1	54.1
95M80	Pioneer	49.8	69.1	67.9	62.3	47.3	27.1	37.2	52.2
Progeny 5706RR (E)	Progeny	63.2	74.5	72.6	70.1	50.9	25.7	38.3	57.4
Progeny 5806RR (E)	Progeny	45.3	67.5	60.8	57.8	43.6	16.3	30.0	46.7
TV57R14	Terral	46.8	68.1	66.3	60.4	52.8	38.1	45.5	54.4
TV57R16	Terral	49.1	73.5	67.4	63.3	42.2	41.2	41.7	54.7
TV59R14	Terral	47.4	64.8	66.9	59.7	36.9	31.0	33.9	49.4
TV59R16	Terral	61.9	77.6	78.4	72.6	46.9	29.6	38.2	58.9
USG 7582nRR	USG	60.9	65.6	64.4	63.6	44.8	32.5	38.7	53.6
Overall mean		55.1	68.2	67.7	63.7	46.4	28.8	37.6	53.3
LSD (.10)		8.1	6.1	7.3	4.1	8.5	7.0	5.5	3.3
Error degrees of freedom		56	56	56	168	56	56	112	280
CV (%)		10.7	6.5	7.9	8.3	13.4	17.9	15.2	10.2
R <sup>2</sup> (%)		76	71	62	82	48	74	84	93

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

**Table 9. Summary of 2-Year Yields for Maturity Group IV for the 2005 and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP4748S	DPL	53.0	64.8	58.9
Stoddard	Public	72.7	58.8	65.8
UA 4805	Public	64.3	49.3	56.8
Overall mean		63.3	57.6	60.5
LSD (.10)		7.6	8.0	5.2
Error degrees of freedom		8	8	16
CV (%)		11.1	12.9	12.0
R <sup>2</sup> (%)		86	83	85

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



**Table 10. Summary of 2-Year Yields for Maturity Group V Early for the 2005 and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DP5110S	DPL	73.6	67.0	70.3
HBK C5025	Hornbeck	79.9	59.1	69.5
USG 5002T	USG	70.1	62.8	66.4
USG 5601T	USG	68.2	58.7	63.4
Jake	Public	74.9	55.8	65.2
Ozark	Public	59.3	54.5	56.9
Overall mean		71.0	59.6	65.3
LSD (.10)		6.9	4.2	3.9
Error degrees of freedom		19	20	39
CV (%)		9.7	7.0	8.7
R <sup>2</sup> (%)		69	79	82

<sup>1</sup>All are released varieties.**Table 11. Summary of 2-Year Yields for Maturity Group V Late for the 2005 and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DK 5870	Delta King	78.2	62.6	70.4
HBK C5894	Hornbeck	76.2	58.6	67.4
Freedom	Public	69.0	47.5	58.2
Overall mean		74.5	56.2	65.3
LSD (.10)		5.8	3.7	3.2
Error degrees of freedom		8	8	16
CV (%)		7.2	6.1	6.9
R <sup>2</sup> (%)		76	96	95

<sup>1</sup>All are released varieties.**Table 12. Summary of 2-Year Yields for Maturity Group III Roundup Ready for the 2005 and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Nonirr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AV38T7	Agventure	35.2	25.6	30.4	41.7	34.2
AG3802	Asgrow	34.0	28.4	31.2	40.8	34.4
AG3905	Asgrow	33.3	29.1	31.2	41.6	34.6
AG3906	Asgrow	32.9	25.5	29.2	44.7	34.4
DG3950RR	Delta Grow	34.8	25.4	30.1	36.5	32.2
DK3964	Delta King	32.1	30.4	31.2	40.4	34.3
DK3967	Delta King	32.6	22.0	27.3	41.4	32.0
DP3861RR	DPL	32.1	24.4	28.3	41.8	32.8
DG 31J39	Dyna-Gro	36.8	25.2	31.0	40.0	34.0
DG 3392	Dyna-Gro	31.2	20.1	25.6	35.3	28.8
MorSoy RT 3883N	MorSoy	36.8	27.9	32.4	41.0	35.2
93M90	Pioneer	35.5	24.3	29.9	35.5	31.8
Progeny 3900RR	Progeny	34.9	26.2	30.5	38.2	33.1
TV39RS31	Terral	32.5	23.4	28.0	40.3	32.1
Overall mean		33.9	25.6	29.7	39.9	33.1
LSD (.10)		3.1	3.9	2.5	4.8	2.3
Error degrees of freedom		52	52	104	52	156
CV (%)		9.4	15.8	12.3	12.5	12.5
R <sup>2</sup> (%)		97	59	94	65	92

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

**Table 13. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready  
for the 2005 and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr.	Stoneville Nonirr.	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>	<i>bu/A</i>	<i>bu/A</i>
AV 44D4	AgVenture	56.5	40.1	54.2	64.8	26.6	48.4	49.3	48.5	48.9	48.6
AV 46J5NRR	AgVenture	47.7	33.4	53.2	62.8	23.1	44.0	50.5	43.9	47.2	44.9
Armor GP-422	Armor	54.3	41.0	53.6	65.8	26.0	48.1	45.7	47.9	46.8	47.7
Armor GP-454	Armor	53.4	37.2	62.8	72.1	28.5	50.8	49.1	53.3	51.2	50.9
AG4403	Asgrow	43.8	36.0	61.7	66.1	26.1	46.7	50.5	48.8	49.6	47.6
AG4404	Asgrow	45.1	31.5	57.2	6..7	26.1	44.7	52.7	41.8	47.3	45.5
AG4703	Asgrow	53.8	32.4	67.9	72.1	27.7	50.8	49.1	48.6	48.8	50.2
RC4455RR	Croplan Genetics	49.8	40.0	59.3	60.9	27.1	47.4	57.0	47.5	52.2	48.8
RC4655RR	Croplan Genetics	55.0	26.5	58.4	62.5	19.2	44.3	40.0	47.0	43.5	44.1
DKB46-51	DEKALB	50.6	35.0	62.0	69.7	29.9	49.4	52.9	41.9	47.4	48.9
DG4150RR	Delta Grow	38.6	39.5	54.7	67.6	28.4	45.8	57.8	46.1	51.9	47.5
DG4460RR	Delta Grow	48.7	46.7	52.9	61.7	26.7	46.5	57.5	53.9	55.7	49.1
DG4660RR	Delta Grow	59.3	33.9	70.6	80.5	25.5	53.9	53.2	53.7	53.4	53.8
DK 4461	Delta King	52.0	30.2	58.7	72.3	25.3	47.7	49.6	50.7	50.2	48.4
DK 4661	Delta King	54.5	26.5	62.1	62.9	19.0	45.0	35.9	48.4	42.2	44.2
DK 4667	Delta King	66.7	35.6	69.7	77.0	24.9	54.8	51.7	52.8	52.2	54.1
DP4331RR	DPL	50.8	32.4	56.9	70.0	27.1	47.4	52.1	51.0	51.5	48.6
DP4546RR	DPL	54.3	33.2	61.6	70.5	22.5	48.4	43.9	53.7	48.8	48.5
DG 3443NRR	Dyna-Gro	48.1	32.5	62.1	70.4	26.2	47.8	49.3	50.2	49.7	48.4
DG 3463NRR	Dyna-Gro	42.1	35.3	48.0	60.3	28.8	42.8	41.6	39.4	40.5	42.2
DG 35B40	Dyna-Gro	39.3	33.2	55.0	66.0	28.5	44.4	52.6	47.7	50.1	46.0
DG 37A44	Dyna-Gro	47.5	38.0	56.9	64.7	25.7	46.6	56.6	52.6	54.6	44.2
HBK R3824	Hornbeck	46.3	35.4	54.1	60.5	26.6	44.6	47.3	49.5	48.4	45.7
HBK R4623	Hornbeck	47.1	34.8	54.7	62.7	27.5	45.4	44.6	43.8	44.2	45.0
MorSoy RT 4480N	MorSoy	52.2	35.3	59.0	72.2	27.6	49.2	48.5	53.6	51.0	49.8
MorSoy RT 4485N	MorSoy	51.9	41.9	56.4	65.7	28.9	49.0	57.8	44.5	51.2	49.6
MorSoy RT 4665N	MorSoy	62.7	33.2	70.4	74.6	26.2	53.4	57.7	51.5	54.6	53.7
NK S43-B1	NK Brand	54.0	33.4	54.5	68.7	21.9	46.5	50.1	41.6	45.8	46.3
Progeny 4401RR	Progeny	54.9	34.6	60.1	75.0	27.9	50.5	48.6	51.1	49.8	50.3
Progeny 4405RR	Progeny	48.8	40.1	55.9	65.3	28.3	47.7	55.5	48.0	51.8	48.8
TV45R14	Terral	51.1	36.1	53.6	65.0	23.6	45.9	36.8	50.0	43.4	45.2
TV46R15	Terral	51.9	37.1	60.0	67.3	26.2	48.5	45.0	47.0	46.0	47.8
USG 7440nRR	USG	49.8	36.7	61.1	68.6	27.8	48.8	52.2	51.0	51.6	49.6
USG 7466nRR	USG	60.1	35.6	73.0	79.6	26.0	54.9	56.5	49.4	53.0	54.3
V44N6RR	Vigoro	49.0	41.9	55.4	62.0	25.9	47.0	50.1	50.9	50.5	48.0
V47N6RR	Vigoro	60.0	37.2	68.7	79.5	24.3	53.9	49.8	50.4	50.1	52.8
Overall mean		51.5	35.5	59.3	68.1	26.0	48.1	50.0	48.6	49.3	48.4
LSD (.10)		5.4	5.1	5.1	4.5	2.7	2.1	7.1	5.7	4.5	2.0
Error degrees of freedom		140	140	140	140	140	700	140	140	280	980
CV (%)		10.9	14.9	9.0	6.9	10.8	10.1	14.8	12.2	13.6	11.2
R <sup>2</sup> (%)		93	96	79	82	79	96	64	88	80	94

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

**Table 14. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready  
for the 2005 and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	Hill avg.	Overall avg.
AV49J7NRR	AgVenture	<i>bu/A</i> 54.0	<i>bu/A</i> 38.8	<i>bu/A</i> 71.9	<i>bu/A</i> 66.4	<i>bu/A</i> 22.8	<i>bu/A</i> 50.8	<i>bu/A</i> 59.7	<i>bu/A</i> 50.2	<i>bu/A</i> 55.0	<i>bu/A</i> 52.0
AV50D2N	AgVenture	61.4	41.1	72.3	67.0	24.9	53.3	58.2	49.5	53.8	53.5
Armor GP-488	Armor	53.3	33.8	67.3	69.3	23.4	49.4	47.4	46.2	46.8	48.7
AG4703	Asgrow	52.3	35.5	70.0	68.7	25.8	50.4	54.0	48.8	51.4	50.7
AG4903	Asgrow	60.3	37.8	72.8	71.9	21.5	52.8	51.5	50.4	50.9	52.3
DG4840RR	Delta Grow	51.6	38.8	68.4	68.2	19.1	49.2	52.5	49.7	51.1	49.7
DG4860RR	Delta Grow	51.9	39.4	68.9	71.1	20.2	50.3	46.1	49.5	47.8	49.6
DG4960RR	Delta Grow	50.1	33.9	65.7	64.8	33.7	49.6	55.2	52.8	54.0	50.9
DG4970RR	Delta Grow	50.6	38.9	66.9	61.8	27.6	49.2	57.0	51.9	54.4	50.7
DK4763	Delta King	47.0	37.2	64.6	58.3	28.7	47.2	51.5	43.0	47.2	47.2
DK4866	Delta King	54.8	36.9	82.3	77.8	18.1	54.0	49.3	49.0	49.2	52.6
DK4967	Delta King	50.2	35.5	69.1	70.9	18.9	48.9	42.9	47.7	45.3	47.9
DP4724RR	DPL	55.6	34.3	70.3	69.6	20.4	50.0	47.2	49.0	48.1	49.5
DP4919RR/S	DPL	6.6	40.8	70.3	70.8	22.5	53.6	52.8	53.0	52.9	53.4
DG 3481NRR	Dyna-Gro	52.8	35.6	70.6	70.6	17.9	49.5	46.4	46.6	46.5	48.6
DG 35Z49	Dyna Gro	50.2	40.9	75.0	73.5	22.7	52.4	59.8	56.3	58.1	54.0
DG 36M49	Dyna-Gro	58.5	34.5	71.9	69.9	20.8	51.1	50.5	54.6	52.5	51.5
DG 36Y48	Dyna-Gro	60.9	31.5	72.0	67.2	20.5	50.4	56.3	56.9	56.6	52.2
HBK R4724	Hornbeck	49.9	31.8	61.6	68.2	19.5	46.2	46.8	46.5	46.6	46.3
HBK R4924	Hornbeck	58.1	36.8	71.5	70.1	24.7	52.2	52.7	53.6	53.1	52.5
MorSoy RT 4802N	MorSoy	56.2	33.8	65.8	68.4	19.7	48.8	44.3	47.4	45.8	47.9
MorSoy RT 4914N	MorSoy	56.3	40.6	72.5	68.1	26.7	52.8	54.4	50.7	52.5	52.8
MorSoy RT4993N	MorSoy	59.5	34.2	69.2	68.6	19.6	50.2	55.7	49.7	52.7	50.9
MorSoy RTS 4955N	MorSoy	63.7	35.1	72.4	72.6	18.8	52.5	55.6	49.0	52.3	52.5
NK S49-Q9	NK Brand	51.6	31.6	72.5	66.3	23.3	49.0	49.5	48.9	49.2	49.1
94B73	Pioneer	53.7	42.6	66.0	71.1	36.5	54.0	42.6	44.7	43.6	51.0
94M80	Pioneer	46.7	38.5	59.5	63.4	23.9	46.4	39.7	50.7	45.2	46.1
Progeny 4804RR	Progeny	59.4	39.2	67.0	68.3	21.6	51.1	50.6	51.4	51.0	51.1
Progeny 4805RR	Progeny	55.7	34.8	73.5	67.4	22.6	50.8	47.2	54.3	50.7	50.8
Progeny 4949RR	Progeny	62.2	40.3	71.6	68.7	23.3	53.2	46.0	53.9	49.9	52.3
495.RC	Schillinger	58.7	42.9	70.7	69.4	30.9	54.5	60.7	57.5	59.1	55.8
TV48R14	Terral	55.2	35.7	67.2	68.1	24.3	50.1	52.7	52.6	52.7	50.8
TV49R12	Terral	56.4	34.8	64.1	60.2	20.2	47.1	41.8	49.5	45.6	46.7
TVX47R017 (E)	Terral	54.2	36.9	74.3	67.1	21.4	50.7	48.2	52.3	50.2	50.6
TVX49R017 (E)	Terral	60.2	35.7	72.7	69.8	22.5	52.2	51.1	47.7	49.4	51.4
USG 747R6	USG	55.1	27.9	71.2	69.6	21.1	49.0	53.3	53.9	53.6	50.3
USG 7494nRR	USG	55.6	37.4	71.1	71.7	22.3	51.6	47.8	52.6	50.2	51.2
V49N6RR	Vigoro	60.1	41.1	69.0	67.3	27.8	53.1	61.1	49.2	55.1	53.7
Overall mean		55.5	36.8	69.8	68.5	23.2	50.7	51.0	50.5	50.8	50.7
LSD (.10)		5.7	4.2	5.4	5.4	3.8	2.2	7.6	6.1	4.9	2.1
Error degrees of freedom		148	148	148	148	148	740	148	148	296	1036
CV (%)		10.7	12.0	8.0	8.2	17.1	10.2	15.6	12.5	14.2	11.5
R <sup>2</sup> (%)		92	97	68	67	74	96	68	85	78	94

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

**Table 15. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready  
for the 2005 and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	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>
AV 54D4	AgVenture	59.2	65.1	62.2	62.2	37.5	36.8	37.1	52.2
Armor GP-513	Armor	60.3	73.3	71.7	68.4	41.5	45.6	43.5	58.5
Armor GP-555	Armor	55.7	69.4	70.0	64.0	43.4	40.4	41.9	55.2
AG5501	Asgrow	59.4	68.7	63.4	63.8	43.6	42.3	42.9	55.5
AG5702	Asgrow	64.3	73.1	63.3	66.9	38.9	40.6	39.7	56.0
DG5160RR	Delta Grow	59.7	71.2	72.5	67.8	41.4	48.0	44.7	58.6
DG5260RR	Delta Grow	42.9	61.6	41.7	48.7	32.5	39.9	36.2	43.7
DG5630RR	Delta Grow	60.8	67.7	56.9	61.8	44.5	34.1	39.3	52.8
DG5650RR	Delta Grow	52.3	68.9	60.2	60.5	44.8	45.1	44.9	54.2
DK5066	Delta King	68.9	70.9	73.0	70.9	37.2	46.2	41.7	59.2
DK5161	Delta King	61.7	69.5	67.4	66.2	38.1	44.1	41.1	56.2
DK5366	Delta King	63.6	74.7	67.5	68.6	42.5	33.5	38.0	56.4
DK5567	Delta King	53.5	64.5	66.0	61.4	38.8	36.8	37.8	51.9
DK55T6	Delta King	61.3	67.0	68.0	65.3	45.4	38.1	41.7	55.6
DP5414	DPL	56.8	68.6	58.1	61.2	36.4	46.3	41.3	53.2
DP5634	DPL	68.3	70.4	68.5	69.0	41.5	44.5	43.0	58.6
DP5115RR/S	DPL	63.6	68.6	58.9	63.7	37.8	38.0	37.9	53.4
DG33B52	Dyna-Gro	58.5	70.4	67.7	65.5	38.1	45.1	41.6	56.0
DG33X55	Dyna-Gro	63.7	72.0	61.6	65.8	42.1	49.6	45.9	57.8
DG3535NRR	Dyna-Gro	58.0	69.2	63.8	63.6	42.5	39.3	40.9	54.5
ESXVT-110RR (E)	Eagle Seed	57.1	61.5	58.4	59.0	41.3	37.9	35.6	51.2
FFR 5663RR	FFR	62.9	73.6	63.6	66.7	46.9	47.1	47.0	58.8
HBK R5425	Hornbeck	55.3	65.1	52.5	57.6	40.9	28.5	34.7	48.5
HBK R5525	Hornbeck	61.0	68.9	65.9	65.3	41.0	43.3	42.2	56.0
NK S56-D7	NK Brand	69.5	67.3	66.1	67.6	45.2	44.2	44.7	58.4
95M50	Pioneer	60.6	72.5	61.3	64.8	38.2	43.7	41.0	55.3
Progeny 5115RR	Progeny	61.8	70.1	72.3	68.1	34.5	44.1	39.3	56.5
Progeny 5205RR	Progeny	53.9	65.8	52.5	57.4	32.9	35.2	34.0	48.0
Progeny 5622RR	Progeny	59.0	67.4	60.1	62.1	38.2	38.5	38.4	52.6
Progeny 5650RR	Progeny	59.8	71.7	65.0	65.5	43.6	39.6	41.6	56.0
5142-4	Stine	53.1	67.2	67.7	62.7	33.9	41.3	37.6	52.6
TV52R14	Terral	59.9	70.9	60.8	63.9	38.5	46.5	42.5	55.3
TV55R15	Terral	61.2	76.4	67.0	68.2	41.7	50.6	46.2	59.4
TVX51R17 (E)	Terral	61.7	73.9	70.8	68.8	41.0	40.9	40.9	57.6
USG 7505nRR	USG	59.1	63.5	62.4	61.7	35.2	38.9	37.0	51.8
USG 7515nRR	USG	64.7	69.5	63.0	65.7	40.1	48.7	44.4	57.2
USG 7553nRR	USG	48.5	63.1	62.9	58.2	43.8	42.9	43.3	52.2
S03-383RR (E)	Public	60.9	62.5	57.3	60.2	36.3	40.7	38.5	51.5
Overall mean		59.5	68.8	63.4	63.9	40.4	41.8	40.9	54.7
LSD (.10)		6.0	4.9	4.9	3.0	7.2	5.7	4.6	2.6
Error degrees of freedom		148	148	147	443	148	148	296	739
CV (%)		10.5	7.4	8.1	8.6	18.8	14.2	16.6	11.1
R <sup>2</sup> (%)		77	65	87	82	69	86	79	90

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

**Table 16. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2005 and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.	Overall avg.
AV57D7NRR	AgVenture	<i>bu/A</i> 52.1	<i>bu/A</i> 71.4	<i>bu/A</i> 62.4	<i>bu/A</i> 62.0	<i>bu/A</i> 45.1	<i>bu/A</i> 44.9	<i>bu/A</i> 45.0	<i>bu/A</i> 55.2
AG5702	Asgrow	55.4	68.2	60.7	61.4	34.9	43.9	39.4	52.6
AG5903	Asgrow	54.4	66.7	55.8	59.0	39.9	44.6	42.3	52.3
AG5905	Asgrow	70.3	67.9	61.2	66.5	42.2	42.6	42.4	56.8
AG5830RR	Delta Grow	60.6	67.6	60.7	63.0	42.5	44.0	43.2	55.1
DG5960RR	Delta Grow	47.8	63.4	50.9	54.0	36.7	44.5	40.6	48.7
DP5808RR	DPL	62.3	76.8	64.2	67.8	44.3	44.8	44.6	58.5
DP5915RR	DPL	57.8	66.2	54.2	59.4	45.7	38.1	41.9	52.4
DG3583NRR	Dyna-Gro	60.2	66.1	55.8	60.7	41.6	43.4	42.5	53.4
DG3600	Dyna-Gro	57.6	66.5	52.8	59.0	41.6	40.1	40.9	51.7
DG36N57	Dyna-Gro	58.3	72.9	59.4	63.5	40.0	52.4	46.2	56.6
DG38K57	Dyna-Gro	52.4	67.0	55.5	58.3	43.3	51.6	47.5	54.0
HBK R5825	Hornbeck	63.0	69.8	58.7	63.8	34.9	36.9	35.9	52.6
HBK R5924	Hornbeck	58.9	69.7	58.9	62.5	39.7	47.4	43.5	54.9
95M80	Pioneer	55.1	67.3	62.1	61.5	41.0	39.6	40.3	53.0
TV57R14	Terral	55.2	68.1	59.3	60.9	45.1	50.4	47.7	55.6
TV59R14	Terral	58.3	68.9	57.6	61.6	39.0	46.0	42.5	53.9
Overall mean		57.6	68.5	58.2	61.5	41.0	44.4	42.7	54.0
LSD (.10)		5.0	4.5	4.5	2.7	5.2	6.4	4.1	2.3
Error degrees of freedom		64	64	64	192	64	64	128	320
CV (%)		9.0	6.8	3.0	7.8	13.3	14.9	14.2	9.9
R <sup>2</sup> (%)		81	66	89	86	85	91	89	92

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

**Table 17. Summary of 3-Year Yields for Maturity Group IV for the 2004, 2005, and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
DP4748S	DPL	<i>bu/A</i> 52.6	<i>bu/A</i> 54.7	<i>bu/A</i> 53.6
Stoddard	Public	65.1	45.8	55.5
Overall mean		58.9	50.3	54.6
LSD (.10)		4.4	6.2	3.5
Error degrees of freedom		6	6	12
CV (%)		8.2	13.5	10.8
R <sup>2</sup> (%)		96	95	96

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

**Table 18. Summary of 3-Year Yields for Maturity Group V Early for the 2004, 2005, and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
DP5110S	DPL	<i>bu/A</i> 68.0	<i>bu/A</i> 57.8	<i>bu/A</i> 62.9
USG 5002T	USG	63.7	49.9	56.8
USG 5601T	USG	59.0	47.5	53.2
Ozark	Public	54.2	46.6	50.4
Overall mean		61.2	50.4	55.8
LSD (.10)		6.2	20.8	3.3
Error degrees of freedom		18	18	36
CV (%)		14.4	6.8	10.6
R <sup>2</sup> (%)		82	98	93

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

**Table 19. Summary of 3-Year Yields for Maturity Group V Late for the 2004, 2005, and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
DK 5870	Delta King	71.2	53.4	62.3
HBK C5894	Hornbeck	72.0	49.2	60.6
Freedom	Public	65.3	41.7	53.5
Overall mean		69.5	48.1	58.8
LSD (.10)		5.0	3.5	2.9
Error degrees of freedom		12	12	24
CV (%)		8.6	8.7	8.7
R <sup>2</sup> (%)		84	97	96

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

**Table 20. Summary of 3-Year Yields for Maturity Group III Roundup Ready for the 2005 and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Nonirr.	Stoneville Nonirr.	Overall avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AG3802	Asgrow	40.5	33.5	37.0
AG3905	Asgrow	40.9	36.1	38.5
AG3906	Asgrow	42.5	34.2	38.4
DK3964	Delta King	37.1	36.9	37.0
DP3861RR	DPL	43.0	31.8	37.4
93M90	Pioneer	43.4	31.7	37.6
Progeny 3900RR	Progeny	43.8	34.0	38.9
TV39RS31	Terral	41.3	29.0	35.1
Overall mean		41.6	33.4	37.5
LSD (.10)		2.8	3.3	2.1
Error degrees of freedom		42	42	84
CV (%)		8.4	12.5	10.3
R <sup>2</sup> (%)		97	92	96

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

**Table 21. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2004, 2005, and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	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>	<i>bu/A</i>	<i>bu/A</i>
AV 46J5NRR	AgVenture	46.9	42.7	50.3	52.2	32.3	44.9	54.2	47.6	50.9	46.6
AG4403	Asgrow	42.4	44.9	55.1	53.3	34.1	46.0	51.6	50.8	51.2	47.5
DKB46-51	DEKALB	47.7	43.8	56.8	55.2	38.1	48.3	54.2	47.7	50.9	49.1
DK 4461	Delta King	47.5	42.0	54.9	58.5	33.0	47.2	51.8	53.9	52.9	48.8
DK 4661	Delta King	55.5	35.1	58.6	56.4	28.5	46.8	42.2	51.5	46.9	46.8
DP4331RR	DPL	45.6	41.9	50.5	56.3	33.6	45.6	54.1	52.5	53.3	47.8
DP4546RR	DPL	53.2	41.5	55.4	55.0	32.4	47.5	47.9	53.1	50.5	48.4
DG3443NRR	Dyna Gro	44.5	43.7	55.4	55.6	32.6	46.4	52.2	49.9	51.1	47.7
DG3463NRR	Dyna Gro	40.7	45.3	43.6	47.6	34.6	42.3	44.7	44.2	44.4	42.9
HBK R4623	Hornbeck	47.2	43.8	50.0	50.6	33.6	45.0	48.2	47.6	47.9	45.8
NK S43-B1	NK Brand	50.3	41.8	50.2	55.8	31.7	46.0	51.7	45.1	48.4	46.7
Progeny 4401RR	Progeny	49.1	45.2	54.6	58.9	35.0	48.6	51.7	52.6	52.2	49.6
TV45R14	Terral	51.2	44.0	51.5	55.1	30.8	46.5	41.7	52.1	46.9	46.6
TV46R15	Terral	53.0	44.1	57.5	55.1	31.9	48.3	47.8	49.4	48.6	48.4
USG 7440nRR	USG	45.9	47.0	55.3	55.4	34.1	47.5	53.5	50.8	52.2	48.8
Overall mean		48.0	43.1	53.3	54.7	33.1	46.5	49.8	49.9	49.9	47.4
LSD (.10)		4.0	4.2	3.9	3.6	2.2	1.6	5.1	4.6	3.4	1.5
Error degrees of freedom		84	84	84	84	84	420	84	84	168	588
CV (%)		10.5	12.4	9.3	8.3	8.7	10.0	13.1	11.8	12.5	10.8
R <sup>2</sup> (%)		92	96	85	97	96	96	69	86	80	94

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

**Table 22. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2004, 2005, and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	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>	<i>bu/A</i>	<i>bu/A</i>
AV49J7NRR	AgVenture	51.0	46.9	63.9	55.8	29.3	49.4	60.1	52.1	56.1	51.3
AG4903	Asgrow	58.2	44.1	67.7	59.7	29.0	51.8	52.0	54.6	53.3	52.2
DG4840RR	Delta Grow	51.4	47.0	61.4	56.4	28.9	49.0	54.0	53.1	53.5	50.3
DG4860RR	Delta Grow	51.6	48.9	61.1	58.2	29.5	49.8	47.2	53.7	50.5	50.0
DG4960RR	Delta Grow	47.6	44.0	55.7	53.5	39.0	48.0	57.4	54.0	55.7	50.2
DG4970RR	Delta Grow	51.5	50.5	63.2	55.1	37.7	51.6	58.6	54.4	56.5	53.0
DK4763	Delta King	45.7	45.4	57.3	49.2	35.4	46.6	54.1	45.6	49.9	47.5
DK4866	Delta King	52.1	45.7	70.4	62.0	25.5	51.1	49.2	50.8	50.0	50.8
DK4967	Delta King	50.9	44.3	60.6	58.5	29.5	48.8	48.4	48.9	48.7	48.7
DP 4724RR	DPL	53.6	42.1	64.5	58.0	28.2	49.3	52.0	51.9	52.0	50.0
DG3481NRR	Dyna Gro	52.3	45.2	63.1	59.5	28.4	49.7	48.6	49.4	49.0	49.5
DG36M49	Dyna Gro	55.1	43.8	64.3	57.0	29.1	49.9	54.5	56.8	55.7	51.5
HBK R4724	Hornbeck	48.0	43.9	54.6	56.5	29.0	46.4	53.1	50.5	51.8	48.0
HBK R4924	Hornbeck	55.9	45.3	64.8	60.2	30.4	51.3	52.3	53.1	52.7	51.7
MorSoy RT 4802N	MorSoy	56.4	44.0	61.3	55.8	28.4	49.2	48.6	52.0	50.3	49.5
MorSoy RT 4993N	MorSoy	57.7	42.9	61.1	55.6	28.5	49.2	56.2	50.8	53.5	50.4
NK S49-Q9	NK Brand	50.2	41.9	61.9	54.7	29.4	47.6	53.2	51.0	52.1	48.9
94B73	Pioneer	53.4	54.4	59.8	59.2	43.5	54.1	48.2	46.4	47.3	52.1
Progeny 4804RR	Progeny	55.8	46.7	60.4	56.4	29.4	49.7	50.7	52.6	51.6	50.3
Progeny 4949RR	Progeny	60.2	49.2	63.6	59.5	30.8	52.7	48.8	55.5	52.2	52.5
495.RC	Schillinger	56.4	54.8	64.4	59.4	40.6	55.1	60.0	60.1	60.0	56.5
TV48R14	Terral	57.9	44.3	60.1	57.7	30.1	50.0	55.3	54.1	54.7	51.4
TV49R12	Terral	57.5	41.5	58.5	52.0	25.8	47.1	45.0	50.8	47.9	47.3
USG 7494nRR	USG	53.1	46.3	64.3	58.8	29.8	50.5	51.9	53.8	52.9	51.2
Overall mean		53.5	46.0	62.0	57.0	31.1	49.9	52.5	52.3	52.4	50.6
LSD (.10)		4.2	4.0	4.0	4.0	2.8	1.7	5.6	5.0	3.8	1.6
Error degrees of freedom		138	138	138	138	138	690	138	138	276	966
CV (%)		10.1	11.2	8.2	9.0	11.7	9.9	13.8	12.2	13.0	10.9
R <sup>2</sup> (%)		91	96	90	95	95	96	70	81	76	94

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



**Table 23. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2004, 2005, and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	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 GP-513	Armor	62.5	67.2	61.7	63.8	43.7	45.0	44.3	56.3
AG5501	Asgrow	56.1	63.3	54.6	58.0	46.2	41.5	44.0	52.6
DG5260RR	Delta Grow	44.5	57.6	38.0	46.7	40.8	40.8	40.8	44.4
DG5630RR	Delta Grow	56.8	62.2	49.2	56.1	44.2	33.9	39.3	49.6
DG5650RR	Delta Grow	51.2	61.6	52.5	55.1	49.9	45.0	47.6	52.2
DK5161	Delta King	62.4	67.0	59.6	63.0	42.4	44.0	43.2	55.3
DK5366	Delta King	60.6	67.7	57.6	62.0	43.0	34.7	39.1	53.1
DK5567	Delta King	56.3	62.6	55.9	58.3	44.4	37.4	41.1	51.6
DK55T6	Delta King	58.4	59.5	55.6	57.9	46.9	36.3	41.9	51.6
DP5414RR	DPL	50.0	62.6	51.8	54.8	40.8	46.8	43.6	50.5
DP5634RR	DPL	64.5	68.4	58.3	63.7	43.1	44.6	43.8	56.0
DG33B52	Dyna Gro	60.5	66.5	60.1	62.3	42.9	47.2	44.9	55.6
DG3535NRR	Dyna Gro	54.1	60.7	55.1	56.6	42.7	38.2	40.6	50.4
FFR 5663RR	FFR	64.7	71.5	54.8	63.7	48.8	46.9	47.9	57.6
NK S56-D7	NK Brand	65.5	64.7	56.1	62.1	46.3	45.7	46.0	55.9
Progeny 5622RR	Progeny	57.5	60.9	52.4	56.9	42.4	37.1	39.9	50.3
TV52R14	Terral	56.3	63.2	52.7	57.4	42.5	47.6	44.9	52.5
TV55R15	Terral	56.6	70.7	55.6	61.0	39.9	50.4	44.8	54.7
USG 7553nRS	USG	49.1	58.9	52.2	53.4	45.7	44.1	44.9	50.1
Overall mean		57.2	64.0	54.4	58.6	44.0	42.5	43.3	52.7
LSD (.10)		4.3	4.2	8.9	2.3	4.8	5.0	3.4	1.9
Error degrees of freedom		108	108	107	323	108	90	198	521
CV (%)		9.5	8.5	7.5	8.6	14.0	14.1	14.1	10.4
R <sup>2</sup> (%)		82	82	96	91	75	85	81	91

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

**Table 24. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2004, 2005, and 2006 Mississippi Soybean Variety Trials.<sup>1</sup>**

Variety	Brand	Clarksdale Irr.	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>
AV57D7NRR	AgVenture	56.2	69.2	50.7	58.7	46.1	41.8	44.1	53.1
AG5903	Asgrow	55.2	63.3	46.6	55.0	45.0	37.6	41.5	49.8
AG5905	Asgrow	62.4	62.8	50.1	58.5	40.6	37.6	39.2	51.0
DG5960RR	Delta Grow	50.3	60.2	44.4	51.6	43.7	39.8	41.9	47.9
DP5808RR	DPL	65.1	72.2	56.6	64.6	45.7	41.0	43.5	56.5
DP5915RR	DPL	57.1	63.3	44.9	55.1	46.1	34.6	40.7	49.5
DG3583NRR	Dyna-Gro	55.4	60.7	48.4	54.8	46.9	38.3	42.9	50.2
DG36N57	Dyna-Gro	61.7	70.6	52.3	61.5	44.3	49.0	46.5	55.7
DG38K57	Dyna-Gro	52.5	58.0	48.4	53.0	44.8	44.6	44.7	49.8
HBK R5924	Hornbeck	64.0	65.4	49.7	59.7	46.2	41.7	44.0	53.6
95M80	Pioneer	56.1	63.7	52.2	57.3	43.8	36.1	40.2	50.7
TV57R14	Terral	53.6	61.4	52.0	55.7	45.0	47.6	46.3	52.0
TV59R14	Terral	55.8	62.5	50.2	56.2	42.4	41.2	41.8	50.6
Overall mean		57.3	64.1	49.7	57.1	44.7	40.8	42.9	51.6
LSD (.10)		4.4	3.6	4.2	2.3	4.2	5.5	3.4	1.9
Error degrees of freedom		72	72	72	216	72	60	132	348
CV (%)		9.8	7.2	10.7	9.1	12.0	16.1	13.9	10.6
R <sup>2</sup> (%)		80	86	92	90	85	92	90	92

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

# Location 1. MAFES Delta Branch, Stoneville

## Location Summary

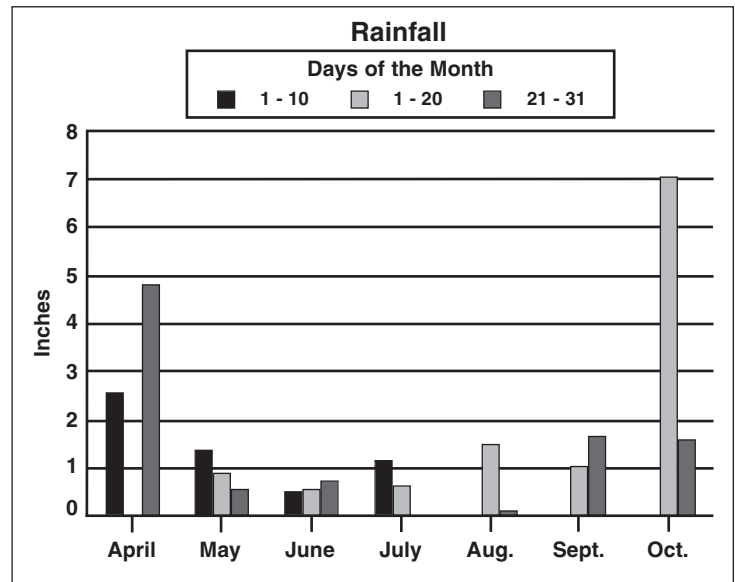
The nonirrigated trials were planted into a fall prepared seedbed containing good soil moisture. After the stand emerged, heavy rainfall fell in late April. Good field drainage prevented any stand losses. The remainder of the growing season had warmer-than-normal temperatures and below-normal rainfall. As a result of these

weather conditions, soybean yields were lower than expected. The irrigated trials were planted into similar soil conditions as the nonirrigated trials. However, the heavy rainfall in late April did reduce stand to some degree in some plots. The hot, dry growing season was offset by timely irrigation and yields were outstanding.

Soil type	Sharkey clay
Soil pH	7.3
Soil fertility	P=H; K=H
Fertilizer added	None
Herbicide application	Nonirrigated: Postemergence — Roundup Weathermax @ 22 oz/A on 5-18-06 and 6-18-06 Irrigated: Roundup Ready Test — Preemergence – Scepter @ 2.86 oz/A + Dual II Magnum @ 32 oz/A on 4-18-06 Postemergence – Roundup Weathermax @ 22 oz/A on 5-18-06 Lay-By – Roundup Weathermax @ 22 oz/A + Classic @ 0.25 oz/A on 6-23-06 Irrigated: Conventional Test — Preemergence – Scepter @ 2.86 oz/A + Dual II Magnum @ 32 oz/A on 4-18-06 Postemergence – Classic @ 0.5 oz/A + Basagran @ 1.5 pt/A on 5-18-06 Lay-By – Reflex @ 1 pt/A + Select @ 10 oz/A + Dual II Magnum @ 1 pt/A on 6-23-06
Insecticide	None
Irrigation	June 7, June 13, July 6, July 14, July 28, August 8, August 23, and September 7 (Group 5 only)
Planting date	Nonirrigated – April 17; Irrigated – April 18
Harvest date	Group III – August 8; Group IV E NI – August 16; Group IV L NI – August 21; Group IV E Irrigated – September 8; Group IV Conventional – September 21; Group IV L Irrigated – September 21; Group V Conv. and RR – October 12

## Rainfall Summary

	Inches
April	7.38
May	2.86
June	1.81
July	1.78
August	1.56
September	2.72
October	8.64
Total	26.75



**Table 25. Maturity Group IV Soybeans Planted April 18, 2006, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK C4926	Hornbeck	–	–	77.8	09/21	31	1
DP4748S	DPL	34.5	61.5	68.0	09/11	29	1
Stoddard	Public	19.8	62.9	54.7	09/11	18	1
UA4805	Public	–	63.1	35.4	09/21	12	1
Overall mean		25.5	61.9	59.0			
LSD (.10)		7.2	7.1	11.5			
Error degrees of freedom		14	10	6			
CV (%)		19.7	7.7	12.3			
R <sup>2</sup> (%)		72	17	91			

<sup>1</sup>Sharkey clay soil. All are released varieties.

**Table 26. Maturity Group V Early Soybeans Planted April 18, 2006, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP5110S	DPL	39.5	61.1	72.8	09/24	30	2
HBK C5025	Hornbeck	–	52.6	65.6	09/24	38	1
USG 5002T	USG	24.1	64.3	61.3	09/24	13	1
USG 5601T	USG	25.0	62.0	55.4	09/24	16	1
Jake	Public	–	57.5	54.0	09/24	17	1
Ozark	Public	31.0	58.1	50.9	09/24	17	1
DB01-7391 (E)	Public	–	–	50.0	09/24	14	1
DB01-5289 (E)	Public	–	–	48.1	09/27	18	1
Overall mean		26.3	58.9	57.3			
LSD (.10)		4.6	6.5	9.6			
Error degrees of freedom		28	18	14			
CV (%)		12.5	7.8	11.7			
R <sup>2</sup> (%)		82	62	73			

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

**Table 27. Maturity Group V Late Soybeans Planted April 18, 2006, and Irrigated (Delta Branch Experiment Station, Stoneville)<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5870RR	Delta King	35.1	51.4	73.8	09/24	20	1
HBK C5894	Hornbeck	30.6	49.2	68.0	09/24	22	1
Freedom	Public	30.0	51.4	43.5	09/24	15	1
Overall mean		26.4	49.6	61.8			
LSD (.10)		4.2	10.3	7.3			
Error degrees of freedom		18	14	4			
CV (%)		11.2	14.4	6.8			
R <sup>2</sup> (%)		81	68	96			

<sup>1</sup>Sharkey clay soil. All are released varieties.

**Table 28. Roundup Ready Maturity Group III Soybeans Planted April 17, 2006, and Not Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Armor AFX-3907 (E)	Armor	–	–	32.4	08/01	25	1
DG3960RR	Delta Grow	–	–	32.2	08/01	27	1
AG3802	Asgrow	43.7	26.1	30.8	07/30	23	1
DK 3964RR	Delta King	49.9	30.5	30.3	08/02	25	1
Armor AFX-3981 (E)	Armor	–	–	29.5	07/30	19	1
TVX39R017 (E)	Terral	–	–	29.4	08/01	21	1
DK 39T6 (E)	Delta King	–	–	29.4	07/31	25	1
MorSoy RT 3906N (E)	MorSoy	–	–	29.3	07/31	21	1
AG3905	Asgrow	50.4	29.2	28.9	08/01	24	1
Progeny 3900RR	Progeny	49.8	23.4	28.8	08/01	20	1
Progeny 3906RR (E)	Progeny	–	–	28.8	07/29	18	1
MorSoy RT 3883N	MorSoy	–	27.6	28.3	07/31	24	1
DG3950RR	Delta Grow	–	22.6	28.3	07/31	24	1
DP3861RR	DPL	46.6	20.9	27.9	07/31	17	1
AG3906	Asgrow	51.6	23.2	27.8	08/04	22	1
HBK R3824	Hornbeck	–	–	27.4	08/02	26	1
DG 31J39	Dyna-Gro	–	23.2	27.3	08/04	26	1
93M90	Pioneer	46.5	21.7	26.9	07/25	17	1
AV38T7	AgVenture	–	24.7	26.5	08/01	22	1
Progeny 3916RR (E)	Progeny	–	–	26.4	08/01	25	1
DK 3967	Delta King	–	17.9	26.1	07/29	24	1
AG3705	Asgrow	–	–	25.5	07/30	23	1
TV39RS31	Terral	40.1	22.2	24.7	08/02	21	1
DG 3392	Dyna-Gro	–	16.5	23.7	07/30	22	1
DPX3994RR (E)	DPL	–	–	23.2	07/31	21	1
Overall mean		47.3	21.4	28.0			
LSD (.10)		4.6	6.0	3.5			
Error degrees of freedom		24	48	48			
CV (%)		7.0	20.4	9.1			
R <sup>2</sup> (%)		67	62	67			

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

**Table 29. Roundup Ready Maturity Group IV Early Soybeans Planted April 18, 2006, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DG4660RR	Delta Grow	—	72.2	88.7	09/09	30	1
DK 4667	Delta King	—	67.1	86.8	09/10	30	1
DG 37F46	Dyna-Gro	—	—	86.4	09/10	32	1
V47N6RR	Vigoro	—	72.8	86.2	09/11	32	1
USG 7466nRR	USG	—	73.8	85.4	09/09	30	1
MorSoy RT 4665N	MorSoy	—	64.9	84.2	09/11	33	1
DG 32R46	Dyna-Gro	—	—	82.8	09/09	22	1
AG4703	Asgrow	—	63.6	80.5	09/11	23	1
NK XR4669 (E)	NK Brand	—	—	80.4	09/11	32	1
Progeny 4401RR	Progeny	26.6	69.8	80.2	09/11	29	1
Progeny 4206RR (E)	Progeny	—	—	79.7	09/11	24	1
MorSoy RT 4480	MorSoy	—	65.9	78.4	09/09	26	1
DG 3443NRR	Dyna-Gro	26.2	62.3	78.4	09/07	31	1
DKB46-51	DEKALB	26.3	61.5	78.0	09/11	24	1
HBK HX4524 (E)	Hornbeck	—	—	77.6	09/09	29	1
DK XTJ701 (E)	Delta King	—	—	77.2	09/08	31	1
DP4546RR	DPL	24.0	64.5	76.6	09/09	29	1
DK 4461RR	Delta King	31.0	68.1	76.4	09/11	25	1
DK 4567	Delta King	—	—	75.8	09/09	27	1
NK S43-B1	NK Brand	30.1	62.1	75.1	09/11	29	1
Progeny 4506RR (E)	Progeny	—	—	75.0	09/11	30	1
8447NRR	Excel	—	—	74.9	09/09	27	1
TV46R15	Terral	30.9	60.4	74.1	09/06	32	1
06-4361RR (E)	DPL	—	—	73.9	09/09	25	1
USG 7440nRR	USG	28.9	63.6	73.6	09/09	28	1
DP4331RR	DPL	28.9	66.7	73.3	09/09	27	1
94M50	Pioneer	—	—	72.1	09/06	24	1
8448NRR	Excel	—	—	71.7	09/09	18	1
MorSoy RT 4485N	MorSoy	—	59.7	71.5	09/06	27	1
94M31	Pioneer	—	—	71.1	06/06	26	1
DP4112RR/S	DPL	—	—	70.7	09/11	30	1
AG4403	Asgrow	27.6	61.6	70.6	09/09	26	1
DG 37A44	Dyna-Gro	—	58.9	70.4	09/09	29	1
RC 4233	Croplan Genetics	—	—	70.2	09/06	26	1
RC 4655	Croplan Genetics	—	55.0	69.9	09/09	29	1
Armor GP-454	Armor	—	74.4	69.9	09/06	28	1
Progeny 4406RR (E)	Progeny	—	—	69.8	09/06	26	1
S03-058RR (E)	Public	—	—	69.8	08/31	34	1
AG4103	Asgrow	—	—	69.7	09/09	22	1
DG4150RR	Delta Grow	—	65.8	69.5	09/08	27	1
DK4661	Delta King	43.4	56.5	69.4	09/10	33	1
TV45R14	Terral	35.4	61.1	69.0	08/31	35	1
DG 35B40	Dyna-Gro	—	63.1	68.8	09/10	27	1
Armor GP 422	Armor	—	62.9	68.7	09/06	26	1
USG 74T35	USG	—	—	68.5	09/09	23	1
Progeny 4216RR (E)	Progeny	—	—	68.5	09/06	30	1
USG 74C36	USG	—	—	67.3	09/11	24	1
06-4450RR (E)	DPL	—	—	67.2	09/06	27	1
AG4404	Asgrow	—	60.5	67.0	09/11	20	1
Progeny 4405RR	Progeny	—	63.8	66.7	09/04	29	1
HBK R4623	Hornbeck	26.4	58.8	66.6	09/06	24	1
DG 3463NRR	Dyna-Gro	22.1	54.5	66.2	09/06	32	1
AV 44D4	AgVenture	—	63.6	66.1	09/06	25	1
V44N6RR	Vigoro	—	58.4	65.7	09/06	29	1
XG43 (E)	AgVenture	—	—	65.2	09/09	30	1
DKB40-51	DEKALB	—	—	65.1	09/09	27	1
TVX44R270 (E)	Terral	—	—	64.9	09/06	30	1
RC 4432	Croplan Genetics	—	—	64.7	09/07	30	1
AV46J5NRR	AgVenture	30.9	63.4	62.1	09/09	18	1
S03-051RR (E)	Public	—	—	61.9	08/31	29	1
RC 4455	Croplan Genetics	—	60.0	61.8	09/06	28	1
HBK R3824	Hornbeck	—	61.2	59.7	09/05	21	1
DG4460RR	Delta Grow	—	64.5	58.8	08/31	28	1
Overall mean		26.3	62.8	72.3			
LSD (.10)		5.6	6.5	6.1			
Error degrees of freedom		98	132	124			
CV (%)		15.7	7.7	6.3			
R <sup>2</sup> (%)		80	59	80			

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

**Table 30. Roundup Ready Maturity Group IV Late Soybeans Planted April 18, 2006, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Progeny 4906RR (E)	Progeny	—	—	84.5	09/11	29	1
DK XTJ702 (E)	Delta King	—	—	84.3	09/11	28	1
DG4975LARR	Delta Grow	—	—	81.3	09/11	30	1
FFR 4886RR	FFR	—	—	80.6	09/09	31	1
DK4866	Delta King	30.4	75.0	80.6	09/11	28	1
4955RR	Croplan Genetics	—	—	79.6	09/11	27	1
DG 37P49	Dyna-Gro	—	—	79.4	09/11	26	1
DG 35Z49	Dyna-Gro	—	67.9	79.2	09/11	33	1
MorSoy RT 4955N	MorSoy	—	66.0	79.2	09/11	27	1
49D6	AgVenture	—	—	78.8	09/11	30	1
8481NRR	Excel	—	—	78.7	09/08	32	1
USG 747R6	USG	—	61.5	77.6	09/11	27	1
USG 7494nRR	USG	33.2	66.0	77.3	09/11	29	1
MorSoy RT 4706N (E)	MorSoy	—	—	77.3	09/11	21	1
TVX49R017 (E)	Terral	—	62.4	77.1	09/11	36	1
TVX49R270 (E)	Terral	—	—	76.6	09/11	33	1
AG4903	Asgrow	35.4	68.6	75.2	09/11	29	1
HBK R4924	Hornbeck	40.6	65.1	75.1	09/11	30	1
DG 3481NRR	Dyna-Gro	37.3	66.1	75.0	09/06	31	1
NK S49-Q9	NK Brand	31.6	57.8	74.8	09/11	27	1
Progeny 4716RR (E)	Progeny	—	—	74.6	09/11	25	1
DK XTJ750 (E)	Delta King	—	—	74.3	09/11	29	1
MorSoy RT 4993	MorSoy	29.6	62.9	74.3	09/11	28	1
Progeny 4805RR	Progeny	—	60.6	74.1	09/11	26	1
Progeny 4804RR	Progeny	32.5	62.6	74.1	09/09	29	1
DG 36M49	Dyna-Gro	31.4	65.9	73.8	09/11	25	1
DG 4840RR	Delta Grow	32.8	62.7	73.6	09/09	29	1
TVX47R017 (E)	Terral	—	60.7	73.5	09/10	34	1
MorSoy RT 4802	MorSoy	30.7	63.4	73.4	09/06	29	1
DG 4860RR	Delta Grow	32.3	68.8	73.3	09/05	30	1
DPX9391RR (E)	DPL	—	—	73.2	09/09	32	1
DK4967RR	Delta King	33.6	68.8	73.0	09/04	23	1
DP4724RR	DPL	34.8	66.4	72.8	09/06	30	1
DP4919RR/S	DPL	—	—	72.5	09/09	33	1
FFR 4955RR	FFR	—	—	72.5	09/09	32	1
NK XR4967 (E)	NK Brand	—	—	72.4	09/11	28	1
Progeny 4706RR (E)	Progeny	—	—	72.4	09/07	27	1
MorSoy RT 4806N (E)	MorSoy	—	—	72.3	09/06	28	1
DG4770RR	Delta Grow	—	—	72.1	09/07	29	1
Armor GP-488	Armor	—	66.5	72.0	09/11	30	1
Progeny 4606RR (E)	Progeny	—	—	71.9	09/09	26	1
Progeny 4949RR	Progeny	41.2	65.6	71.7	09/11	31	1
4782-4	Stine	—	—	71.7	09/11	24	1
DPX4888RR/S (E)	DPL	—	—	71.5	09/09	31	1
AV49J7NRR	AgVenture	34.5	61.5	71.2	09/09	27	1
USG 74T85	USG	—	—	71.2	09/06	31	1
HBK R4724	Hornbeck	33.2	65.3	71.1	09/09	25	1
XG47A (E)	AgVenture	—	—	70.8	09/11	30	1
TV48R14	Terral	36.9	65.8	70.4	09/09	24	1
V49N6RR	Vigoro	—	64.3	70.3	09/11	33	1
DG 36Y48	Dyna-Gro	—	64.2	70.3	09/11	27	1
AG4703	Asgrow	—	67.2	70.2	09/09	25	1
DG 4960RR	Delta Grow	30.9	59.7	69.9	09/09	27	1
94B73	Pioneer	35.5	73.0	69.3	09/04	25	1
S03-007RR (E)	Public	—	—	69.0	09/09	32	1
DPX9202RR/S (E)	DPL	—	—	68.9	09/09	29	1
8493NRR	Excel	—	—	68.9	09/07	27	1
MorSoy RT 4914N	MorSoy	—	68.0	68.1	09/11	28	1
HBK HX4843 (E)	Hornbeck	—	—	67.2	09/11	32	1
MorSoy RT 4755N (E)	MorSoy	—	—	67.2	09/13	23	1
AV 50D2NRR	AgVenture	—	66.9	67.0	09/11	30	1
495.RC	Schillinger	39.4	73.4	65.5	09/11	26	1
DK XTJ747 (E)	Delta King	—	—	65.0	09/04	24	1
RC 4842	Croplan Genetics	—	—	64.0	09/06	29	1
TV49R12	Terral	35.6	56.9	63.5	09/09	35	1
94M80	Pioneer	—	64.3	62.6	09/06	23	1
DK 4968	Delta King	—	—	61.7	09/11	24	1
Armor GP-490	Armor	—	—	60.4	09/09	27	1
DK 4764	Delta King	—	—	60.3	08/31	27	1
DG 4970RR	Delta Grow	41.6	64.7	59.0	09/09	33	1
DK 4763RR	Delta King	31.0	64.1	52.5	09/05	20	1
Overall mean		33.1	63.3	72.1			
LSD (.10)		4.5	5.0	8.8			
Error degrees of freedom		148	156	140			
CV (%)		10.0	5.8	9.0			
R <sup>2</sup> (%)		73	75	66			

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

**Table 31. Roundup Ready Maturity Group IV Early Soybeans Planted April 17, 2006, and Not Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
NK XR4669 (E)	NK Brand	—	—	32.2	08/05	28	1
Progeny 4206RR (E)	Progeny	—	—	29.3	08/04	22	1
TVX44R270 (E)	Terral	—	—	28.2	08/07	28	1
V44N6RR	Vigoro	—	24.3	27.6	08/08	23	1
MorSoy RT 4480	MorSoy	—	27.8	27.3	08/06	22	1
HBK R3824	Hornbeck	—	26.0	27.3	08/04	24	1
DKB46-51	DEKALB	54.7	32.5	27.2	08/07	20	1
DG4150RR	Delta Grow	—	29.8	26.9	08/07	24	1
RC 4455	Croplan Genetics	—	27.4	26.6	08/08	25	1
06-4361RR (E)	DPL	—	—	26.2	08/07	24	1
AG4404	Asgrow	—	26.0	26.2	08/07	21	1
Armor GP-454	Armor	—	30.9	26.1	08/07	22	1
8448NRR	Excel	—	—	26.1	08/03	17	1
AG4703	Asgrow	—	29.6	25.8	08/07	20	1
MorSoy RT 4485N	MorSoy	—	32.1	25.7	08/08	28	1
DP4112RR/S	DPL	—	—	25.6	08/08	21	1
Progeny 4401RR	Progeny	49.3	30.1	25.6	08/07	24	1
USG 7440nRR	USG	46.6	30.4	25.3	08/05	21	1
HBK R4623	Hornbeck	45.7	29.8	25.3	08/08	28	1
Progeny 4406RR (E)	Progeny	—	—	25.2	08/06	24	1
DG 37A44	Dyna-Gro	—	26.3	25.1	08/06	23	1
DG 3443NRR	Dyna-Gro	45.5	27.4	25.0	08/05	24	1
DK 4461RR	Delta King	48.4	25.7	24.9	08/06	23	1
DG 3463NRR	Dyna-Gro	46.1	32.7	24.9	08/10	24	1
DG 35B40	Dyna Gro	—	32.1	24.8	08/07	21	1
TV45R14	Terral	45.3	22.5	24.7	07/31	24	1
Armor GP 422	Armor	—	27.7	24.1	08/05	22	1
Progeny 4216RR (E)	Progeny	—	—	24.1	08/04	27	1
Progeny 4405RR	Progeny	—	32.5	24.1	08/07	28	1
DG4460RR	Delta Grow	—	29.5	23.9	08/06	24	1
DP4331RR	DPL	46.6	30.5	23.7	07/31	20	1
94M50	Pioneer	—	—	23.1	07/31	20	1
DKB40-51	DEKALB	—	—	22.8	08/05	22	1
AG4403	Asgrow	50.1	29.4	22.8	08/07	23	1
AG4103	Asgrow	—	—	22.7	08/07	20	1
TV46R15	Terral	43.3	29.6	22.7	08/07	28	1
AV46J5NRR	AgVenture	50.7	23.6	22.5	08/07	18	1
DK XTJ701 (E)	Delta King	—	—	22.4	08/08	23	1
USG 74T35	USG	—	—	22.3	07/31	16	1
USG 7466nRR	USG	—	29.8	22.1	08/08	27	1
DP4546RR	DPL	52.1	23.4	21.7	07/31	25	1
DG 37F46	Dyna-Gro	—	—	21.7	08/07	26	1
AV 44D4	AgVenture	—	31.6	21.6	08/06	24	1
RC 4432	Croplan Genetics	—	—	21.0	08/09	22	1
DK 4667	Delta King	—	28.9	20.9	08/07	26	1
06-4450RR (E)	DPL	—	—	20.8	08/06	24	1
94M31	Pioneer	—	—	20.8	07/31	26	1
MorSoy RT 4665N	MorSoy	—	31.7	20.7	08/08	25	1
Progeny 4506RR (E)	Progeny	—	—	20.4	08/12	26	1
DG4660RR	Delta Grow	—	30.9	20.1	08/09	23	1
S03-058RR (E)	Public	—	—	19.9	08/03	25	1
V47N6RR	Vigoro	—	29.0	19.5	08/07	23	1
NK S43-B1	NK Brand	51.1	24.8	19.0	08/05	24	1
S03-051RR (E)	Public	—	—	18.8	08/06	23	1
RC 4233	Croplan Genetics	—	—	18.3	08/03	22	1
DK 4567	Delta King	—	—	18.1	08/02	20	1
HBK HX4524 (E)	Hornbeck	—	—	17.9	08/09	28	1
XG43 (E)	AgVenture	—	—	17.6	08/12	25	1
USG 74C36	USG	—	—	17.6	08/07	23	1
DG 32R46	Dyna-Gro	—	—	17.0	08/08	23	1
DK4661	Delta King	47.4	25.3	12.7	08/07	28	1
8447NRR	Excel	—	—	12.4	08/03	18	1
RC 4655	Croplan Genetics	—	27.4	10.9	08/05	25	1
Overall mean		46.7	27.2	22.8			
LSD (.10)		4.3	4.1	3.3			
Error degrees of freedom		98	132	124			
CV (%)		6.7	11.0	10.8			
R <sup>2</sup> (%)		75	69	83			

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



**Table 32. Roundup Ready Maturity Group IV Late Soybeans Planted April 17, 2006, and Not Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
94B73	Pioneer	57.6	37.5	35.6	08/11	28	1
DK 4763RR	Delta King	48.6	26.8	30.6	08/11	22	1
DG 4960RR	Delta Grow	49.8	37.3	30.0	08/23	23	1
495.RC	Schillinger	59.8	32.5	29.5	08/21	29	1
8481NRR	Excel	—	—	29.0	08/10	28	1
TVX49R270 (E)	Terral	—	—	28.9	08/18	26	1
MorSoy RT 4914N	MorSoy	—	27.4	26.0	08/21	26	1
DPX4888RR/S (E)	DPL	—	—	25.9	08/18	29	1
DG 4970RR	Delta Grow	58.0	30.0	25.1	08/23	28	1
Progeny 4706RR (E)	Progeny	—	—	24.8	08/11	23	1
DG4770RR	Delta Grow	—	—	24.1	08/10	24	1
XG47A (E)	AgVenture	—	—	24.1	08/09	24	1
V49N6RR	Vigoro	—	31.5	24.1	08/22	30	1
DK 4764	Delta King	—	—	23.9	08/10	26	1
MorSoy RT 4806N (E)	MorSoy	—	—	23.8	08/08	21	1
HBK R4924	Hornbeck	41.8	25.8	23.7	08/17	29	1
DG4975LARR	Delta Grow	—	—	23.6	08/22	23	1
AG4703	Asgrow	—	28.2	23.4	08/10	18	1
DPX9202RR/S (E)	DPL	—	—	23.3	08/10	23	1
DK XTJ702 (E)	Delta King	—	—	23.2	08/10	21	1
DK XTJ750 (E)	Delta King	—	—	22.4	08/16	26	1
AV 50D2NRR	AgVenture	—	27.8	22.1	08/10	27	1
HBK HX4843 (E)	Hornbeck	—	—	22.0	08/12	28	1
94M80	Pioneer	—	26.1	21.7	08/11	29	1
TV48R14	Terral	41.6	27.1	21.6	08/16	24	1
TVX49R017 (E)	Terral	—	23.4	21.5	08/23	29	1
HBK R4724	Hornbeck	48.0	17.8	21.1	08/10	24	1
S03-007RR (E)	Public	—	—	20.9	08/10	27	1
Armor GP-488	Armor	—	26.2	20.7	08/10	24	1
NK S49-Q9	NK Brand	41.6	26.1	20.4	08/23	25	1
Armor GP-490	Armor	—	—	20.4	08/16	26	1
USG 7494nRR	USG	44.8	24.4	20.2	08/09	24	1
AV49JNRR	AgVenture	42.5	26.2	19.4	08/11	24	1
Progeny 4949RR	Progeny	45.9	27.4	19.3	08/16	27	1
DG 37P49	Dyna-Gro	—	—	19.2	08/18	24	1
DG 35Z49	Dyna-Gro	—	26.3	19.1	08/16	26	1
4782-4	Stine	—	—	19.0	08/15	22	1
DP4724RR	DPL	43.8	21.8	19.0	08/10	26	1
Progeny 4906RR (E)	Progeny	—	—	18.9	08/19	22	1
MorSoy RT 4802	MorSoy	45.8	20.5	18.8	08/10	24	1
Progeny 4804RR	Progeny	45.1	24.4	18.8	08/15	24	1
MorSoy RT 4706N (E)	MorSoy	—	—	18.6	08/16	19	1
MorSoy RT 4993	MorSoy	46.4	20.6	18.6	08/11	24	1
DK 4968	Delta King	—	—	18.5	08/12	24	1
DG 4860RR	Delta Grow	47.9	22.0	18.4	08/10	27	1
DK4967RR	Delta King	50.8	19.2	18.4	08/04	23	1
DG 36M49	Dyna-Gro	45.8	23.2	18.3	08/11	30	1
AG4903	Asgrow	44.2	24.6	18.3	08/18	24	1
TVX47R017 (E)	Terral	—	24.6	18.1	08/16	30	1
USG 747R6	USG	—	24.4	17.8	08/08	26	1
DK4866	Delta King	40.3	18.5	17.7	08/11	20	1
MorSoy RT 4955N	MorSoy	—	20.1	17.6	08/11	24	1
FFR 4886RR	FFR	—	—	17.5	08/16	23	1
Progeny 4606RR (E)	Progeny	—	—	17.4	08/09	23	1
TV49R12	Terral	37.1	23.1	17.3	08/18	28	1
DG 3481NRR	Dyna-Gro	49.5	18.5	17.3	08/10	23	1
DP4919RR/S	DPL	—	—	17.3	08/08	26	1
DG 4840RR	Delta Grow	48.4	21.2	17.1	08/15	24	1
MorSoy RT 4755N (E)	MorSoy	—	—	16.8	08/17	24	1
DG 36Y48	Dyna-Gro	—	24.5	16.5	08/12	24	1
8493NRR	Excel	—	—	16.0	08/09	24	1
Progeny 4716RR (E)	Progeny	—	—	15.9	08/16	23	1
4955RR	Croplan Genetics	—	—	15.9	08/08	22	1
DPX9391RR (E)	DPL	—	—	15.8	08/10	26	1
DK XTJ747 (E)	Delta King	—	—	15.3	08/04	29	1
Progeny 4805RR	Progeny	—	30.6	14.7	08/16	24	1
RC 4842	Croplan Genetics	—	—	14.6	08/08	21	1
NK XR4967 (E)	NK Brand	—	—	14.2	08/10	20	1
49D6	AgVenture	—	—	13.1	08/16	25	1
FFR 4955RR	FFR	—	—	13.0	08/16	27	1
USG 74T85	USG	—	—	12.6	08/11	23	1
Overall mean		43.8	24.1	20.4			
LSD (.10)		4.9	5.0	5.2			
Error degrees of freedom		148	156	140			
CV (%)		7.2	15.3	18.9			
R <sup>2</sup> (%)		87	73	71			

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

**Table 33. Roundup Ready Maturity Group V Early Soybeans Planted April 18, 2006, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TV55R15	Terral	32.8	49.0	85.0	09/27	24	1
V51N7RS	Vigoro	–	–	80.3	09/27	21	1
DK 5066RR	Delta King	–	66.8	79.3	09/11	28	2
NK S56-D7	NK Brand	36.1	53.1	79.1	09/24	26	1
DP5634RR	DPL	37.8	57.9	79.1	09/27	25	1
Armor GP 513	Armor	41.9	64.4	78.9	09/27	22	1
51G1 (E)	AgVenture	–	–	78.5	09/15	28	1
TVX51R17 (E)	Terral	–	63.2	78.4	09/11	30	1
DK 5161RR	Delta King	43.9	56.6	78.2	09/27	24	1
DG 3535NRR	Dyna-Gro	37.6	50.0	77.7	10/03	23	1
DK 5366RR	Delta King	37.6	37.6	77.5	09/27	26	1
Progeny 5115RR	Progeny	–	67.1	77.4	09/11	32	1
DK XTJ704 (E)	Delta King	–	–	77.4	09/22	28	1
V50N7RS	Vigoro	–	–	77.3	09/11	25	2
DG 32A53	Dyna-Gro	–	–	76.7	09/22	26	1
RT 5206N (E)	MorSoy	–	–	76.6	09/24	26	1
DK 5368	Delta King	–	–	76.3	09/24	22	1
DK 52K6	Delta King	–	–	76.1	09/27	26	1
HBK R5226	Hornbeck	–	–	75.5	09/27	23	1
AGS 568RR	AgSouth	–	–	75.0	09/27	20	1
DG5300RR	Delta Grow	–	–	74.9	09/15	23	1
Progeny 5650RR	Progeny	–	55.1	74.8	10/03	28	1
DK 5567RR	Delta King	37.5	57.2	74.8	10/03	24	1
DG5160RR	Delta Grow	–	70.3	74.8	09/11	26	1
DG 34J56	Dyna-Gro	–	–	74.6	09/22	29	1
XG51B (E)	AgVenture	–	–	74.6	09/22	23	1
Armor GP 555	Armor	–	59.5	74.4	09/27	22	1
FFR 5116RR	FFR	–	–	74.4	09/22	21	1
DK55T6RR	Delta King	35.0	58.8	74.1	09/11	24	1
Armor ACX-5510 (E)	Armor	–	–	74.1	09/27	24	1
XG56 (E)	AgVenture	–	–	74.1	09/27	23	1
DG 33B52	Dyna-Gro	44.9	61.3	74.1	09/27	21	1
Progeny 5260RR (E)	Progeny	–	–	73.8	09/22	21	1
MPG 7552nRR	M-Pride	–	–	73.7	09/24	25	1
DPX5520RR/S (E)	DPL	–	–	73.6	09/24	28	1
DG 33X55	Dyna-Gro	–	50.3	73.0	09/27	24	1
5142-4	Stine	–	63.2	72.2	09/11	27	1
NK S53-A1	NK Brand	–	–	72.0	09/24	15	1
NK XR5263 (E)	NK Brand	–	–	71.6	09/22	19	1
MPG 7453nRR	M-Pride	–	–	71.5	09/15	27	1
MPG 7554nRR	M-Pride	–	–	70.8	09/24	27	1
HBK R5525	Hornbeck	–	61.0	70.8	09/27	22	1
ESXVT-111 (E)	Eagle Seed	–	–	70.1	09/27	18	1
NK XR5068 (E)	NK Brand	–	–	69.9	09/11	27	1
AG5702	Asgrow	–	56.7	69.9	09/27	22	1
NK XR5563 (E)	NK Brand	–	–	69.8	09/24	22	1
95M30	Pioneer	–	–	69.5	09/24	25	1
USG 7553nRS	USG	30.8	56.6	69.1	09/24	21	1
AV 54D4	AgVenture	–	55.6	68.8	09/27	42	2
95M50	Pioneer	–	53.8	68.8	09/27	23	1
RC 5003	Croplan Genetics	–	–	68.5	09/11	22	1
DP 5115RR/S	DPL	–	49.6	68.3	09/24	34	1
DP5414RR	DPL	39.2	48.1	68.2	09/27	27	1
FFR 5663RR	FFR	37.4	59.1	68.0	09/27	15	1
USG 7515nRS	USG	–	58.1	67.9	09/11	28	1
TVX53R027 (E)	Terral	–	–	67.7	09/22	26	1
DG 5630RR	Delta Grow	33.7	46.2	67.6	09/27	19	1
TVX53R037 (E)	Terral	–	–	67.5	09/22	26	1
AG5501	Asgrow	37.0	59.4	67.4	09/27	19	1
DG5470RR	Delta Grow	–	–	66.8	09/24	28	1
TVX53R017 (E)	Terral	–	–	66.7	09/22	26	1
ESXVT-110RR (E)	Eagle Seed	–	50.2	66.6	09/27	23	1
8512NRR	Excel	–	–	66.4	09/24	28	1
S03-383 (E)	Public	–	48.6	65.9	09/24	29	1
RT 5306N (E)	MorSoy	–	–	65.5	09/24	20	1
Progeny 5622RR	Progeny	37.1	54.7	65.4	10/03	24	1
ESXVT-675 (E)	Eagle Seed	–	–	64.6	09/22	30	2
S03-328RR (E)	Public	–	–	64.6	09/22	23	1

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

**Table 33 (cont.). Roundup Ready Maturity Group V Early Soybeans Planted April 18, 2006, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
55109 (E)	Schillinger	–	–	64.2	09/27	22	1
TV52R14	Terral	36.5	59.2	62.3	09/27	23	1
HBK R5425	Hornbeck	–	43.0	62.1	09/27	45	2
MPG 7450nRR	M-Pride	–	–	61.3	09/11	27	2
ESXVT-155 (E)	Eagle Seed	–	–	60.6	09/24	16	1
DK XTJ703 (E)	Delta King	–	–	60.0	09/11	25	1
NK XR5168 (E)	NK Brand	–	–	60.0	09/11	27	1
DG 5650RR	Delta Grow	37.2	60.4	59.9	09/27	24	1
ESXVT-78 (E)	Eagle Seed	–	–	59.5	09/27	40	3
8520NRR	Excel	–	–	59.3	09/15	20	1
ESXVT-173 (E)	Eagle Seed	–	–	59.0	09/27	46	3
USG 7505nRR	USG	–	66.2	58.6	09/11	27	1
XG55B (E)	AgVenture	–	–	57.3	09/15	20	1
RT 5506N (E)	MorSoy	–	–	53.4	09/11	23	1
ESXVT-16 (E)	Eagle Seed	–	–	53.1	09/27	18	1
ESXVT-518 (E)	Eagle Seed	–	–	52.7	09/24	41	2
Progeny 5205RR	Progeny	–	59.2	45.8	09/11	23	1
Progeny 5406RR (E)	Progeny	–	–	45.5	09/24	21	1
DG 5260RR	Delta Grow	30.5	57.3	26.0	09/24	18	1
Overall mean		34.5	55.8	68.9			
LSD (.10)		3.1	7.3	6.7			
Error degrees of freedom		156	157	172			
CV (%)		67	9.7	7.2			
R <sup>2</sup> (%)		84	67	83			

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

**Table 34. Roundup Ready Maturity Group V Late Soybeans Planted April 18, 2006, and Irrigated (Delta Branch Experiment Station, Stoneville).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
TV59R16	Terral	–	–	78.4	10/03	25	1
DG5830RR	Delta Grow	–	47.0	74.4	10/03	28	1
DP 5808RR	DPL	41.3	54.6	73.8	09/27	28	1
HBK R5825	Hornbeck	–	43.7	73.7	09/27	26	1
Progeny 5706RR (E)	Progeny	–	–	72.6	10/03	25	1
AV 57D7RR	AgVenture	27.4	52.6	72.2	10/03	19	1
DK XTJ706 (E)	Delta King	–	–	71.0	09/24	20	1
AG5905	Asgrow	27.7	51.6	70.9	10/03	27	1
NK XR6062 (E)	NK Brand	–	–	70.1	09/27	23	1
HBK R5924	Hornbeck	31.3	48.0	69.7	10/03	22	1
DG 36N57	Dyna-Gro	38.0	49.4	69.5	09/27	16	1
DG 36T60	Dyna-Gro	–	–	69.1	10/03	25	1
DK XTJ705 (E)	Delta King	–	–	68.4	10/03	23	1
DPX5914RR (E)	DPL	–	–	68.2	09/27	22	1
95M80	Pioneer	32.4	56.4	67.9	09/29	25	1
TV57R16	Terral	–	–	67.4	09/27	26	1
AG5903	Asgrow	28.1	44.1	67.4	09/27	19	1
NK XR5862 (E)	NK Brand	–	–	67.4	10/03	21	1
TV59R14	Terral	35.4	48.4	66.9	10/03	21	1
TV57R14	Terral	37.5	52.2	66.3	09/27	23	1
NK XR5964 (E)	NK Brand	–	–	66.1	09/27	22	1
AG5702	Asgrow	–	55.3	66.0	09/27	21	1
DG 3600	Dyna-Gro	–	41.2	64.4	10/03	23	1
USG 7582nRR	USG	–	–	64.4	10/03	21	1
DG 3583NRR	Dyna-Gro	33.7	47.7	63.8	10/03	17	1
Progeny 5806RR (E)	Progeny	–	–	60.8	10/03	19	1
DP5915RR	DPL	26.3	49.0	59.4	10/03	21	1
DG 38K57	Dyna-Gro	34.4	52.2	58.7	09/27	22	1
DG 5960RR	Delta Grow	31.4	47.7	54.2	09/27	21	1
Overall mean		31.7	47.3	67.7			
LSD (.10)		7.3	4.1	7.3			
Error degrees of freedom		90	50	56			
CV (%)		16.9	6.4	7.9			
R <sup>2</sup> (%)		58	85	62			

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

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

## Location Summary

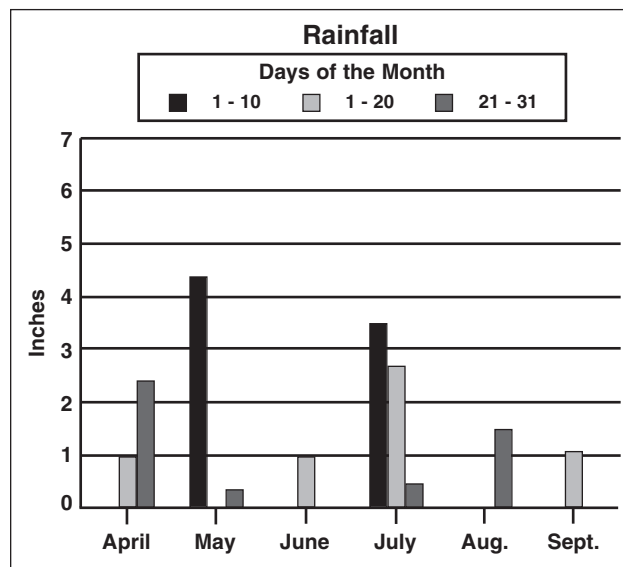
Soybeans were planted into a crusted seedbed with good moisture and emerged to a good stand after rainfall. The growing season brought warmer and drier-than-nor-

mal temperatures and rainfall. Even with irrigation, soybean yields were lower than historically expected for this location.

Soil type	Sharkey clay
Soil pH	6.8
Soil fertility	P=H; K=H
Fertilizer added	None
Herbicide application	Preemergence — Dual II Magnum @ 32 oz/A on 4-19-06 Postemergence — Roundup Weathermax @ 22 oz/A on 5-17-06 Lay-By — Sequence @ 3 pt/A on 6-27-06
Insecticide/Fungicide	Headline @ 4 oz/A + Karate Z @ 1.6 oz/A on 7-25-06 Orthene @ 0.6 lb/A on 8-30-06
Irrigation	June 14, June 24, July 5, July 15, July 25, and August 7.
Planting date	April 19
Harvest date	Group IV E RR — September 11; Group IV L RR — September 29; Group V E and L RR — October 6

## Rainfall Summary

	Inches
April	3.40
May	4.80
June	1.50
July	0.30
August	1.50
September	1.10
<b>Total</b>	<b>12.60</b>



**Table 35. Roundup Ready Maturity Group IV Early Soybeans Planted April 19, 2006, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 4667	Delta King	–	78.9	54.4	09/10	28	3
DG 37F46	Dyna-Gro	–	–	52.7	09/10	26	2
MorSoy RT 4665N	MorSoy	–	73.1	52.3	09/08	27	2
USG 7466nRR	USG	–	73.0	47.3	09/10	26	2
V47N6RR	Vigoro	–	72.8	47.2	09/10	25	1
DP4546RR	DPL	51.0	62.3	46.3	09/08	22	1
DG4660RR	Delta Grow	–	72.5	46.2	09/08	28	2
NK S43-B1	NK Brand	42.9	62.8	45.3	08/31	25	1
HBK HX4524 (E)	Hornbeck	–	–	44.8	09/09	30	2
Progeny 4506RR (E)	Progeny	–	–	43.7	09/12	27	1
NK XR4669 (E)	NK Brand	–	–	42.3	09/13	26	1
TVX44R270 (E)	Terral	–	–	41.4	09/05	23	1
Progeny 4406RR	Progeny	–	–	41.2	09/05	23	1
DK4661	Delta King	57.6	68.0	40.9	09/10	22	1
Progeny 4206RR (E)	Progeny	–	–	40.2	09/08	18	1
TV45R14	Terral	51.3	62.2	40.0	08/31	21	1
MorSoy RT 4485N	MorSoy	–	64.3	39.5	09/05	23	1
Progeny 4401RR	Progeny	37.5	70.5	39.3	09/05	20	1
06-4450RR (E)	DPL	–	–	39.0	09/07	19	1
DP4112RR/S	DPL	–	–	38.7	09/05	23	1
94M50	Pioneer	–	–	38.3	09/05	14	1
Progeny 4405RR	Progeny	–	59.5	38.2	09/05	23	1
RC 4655	Croplan Genetics	–	72.4	37.7	09/10	21	1
AV 44D4	AgVenture	–	76.5	36.4	08/31	26	1
MorSoy RT 4480	MorSoy	–	67.9	36.4	09/07	27	1
DG 32R46	Dyna-Gro	–	–	35.8	09/08	17	1
USG 7440nRR	USG	38.0	63.9	35.7	09/05	23	1
DP4331RR	DPL	35.3	65.9	35.7	09/08	25	1
DG 37A44	Dyna-Gro	–	59.2	35.6	09/05	24	1
DG 3443NRR	Dyna-Gro	37.3	61.0	35.2	09/08	19	1
Armor GP-454	Armor	–	71.6	35.1	09/05	22	1
AG4703	Asgrow	–	72.6	35.0	09/08	20	1
06-4361RR (E)	DPL	–	–	34.9	09/08	20	1
Armor GP 422	Armor	–	73.8	34.8	08/28	22	1
S03-058RR (E)	Public	–	–	34.7	09/04	27	1
DK 4567	Delta King	–	–	34.5	09/07	18	1
AV46J5NRR	AgVenture	45.4	61.2	34.1	09/08	18	1
DK 4461RR	Delta King	38.7	70.3	33.5	09/08	23	1
8448NRR	Excel	–	–	33.3	09/02	15	1
V44N6RR	Vigoro	–	66.5	33.2	08/31	20	1
DKB46-51	DEKALB	41.9	68.0	33.1	09/07	21	1
Progeny 4216RR (E)	Progeny	–	–	32.7	08/31	25	1
TV46R15	Terral	55.2	71.1	32.5	09/07	23	1
HBK R4623	Hornbeck	47.4	61.9	32.4	09/07	25	1
DG 3463NRR	Dyna-Gro	37.8	52.6	31.7	08/31	22	1
DK XTJ701 (E)	Delta King	–	–	31.3	09/07	20	1
XG43 (E)	AgVenture	–	–	30.1	09/08	23	1
RC 4233	Croplan Genetics	–	–	30.0	09/05	17	1
DKB40-51	DEKALB	–	–	29.8	09/08	18	1
HBK R3824	Hornbeck	–	63.0	29.7	09/05	20	1
USG 74T35	USG	–	–	29.2	09/07	15	1
DG4460RR	Delta Grow	–	68.2	29.2	09/05	25	1
RC 4432	Croplan Genetics	–	–	27.4	09/08	21	1
S03-051RR (E)	Public	–	–	27.2	09/05	22	1
8447NRR	Excel	–	–	27.2	09/12	19	1
AG4404	Asgrow	–	63.5	26.7	09/05	15	1
94M31	Pioneer	–	–	26.4	08/28	21	1
AG4403	Asgrow	39.5	61.5	26.2	09/05	22	1
RC 4455	Croplan Genetics	–	73.6	25.9	08/31	21	1
USG 74C36	USG	–	–	23.6	08/28	19	1
AG4103	Asgrow	–	–	22.9	08/28	20	1
DG 35B40	Dyna-Gro	–	55.9	22.5	09/05	19	1
DG4150RR	Delta Grow	–	60.0	17.1	09/05	18	1
Overall mean		39.5	65.0	35.5			
LSD (.10)		5.8	9.6	6.8			
Error degrees of freedom		98	132	124			
CV (%)		10.8	10.9	14.2			
R <sup>2</sup> (%)		85	56	80			

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

**Table 36. Roundup Ready Maturity Group IV Late Soybeans Planted April 19, 2006, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK XTJ750 (E)	Delta King	–	–	60.4	09/16	27	1
MorSoy RT 4955N	MorSoy	–	72.8	54.6	09/16	30	1
FFR 4955RR	FFR	–	–	53.4	09/18	25	1
TVX49R017 (E)	Terral	–	67.2	53.3	09/14	34	1
Progeny 4906RR (E)	Progeny	–	–	53.3	09/14	24	1
DG4975LARR	Delta Grow	–	–	51.6	09/14	24	1
Progeny 4949RR	Progeny	56.1	74.2	50.2	09/16	28	1
DG 36Y48	Dyna-Gro	–	72.4	49.5	09/16	24	1
49D6	AgVenture	–	–	48.1	09/21	22	1
TV49R12	Terral	60.0	64.7	48.0	09/10	32	1
MorSoy RT 4993	MorSoy	54.3	71.1	47.8	09/14	25	1
DP4919RR/S	DPL	–	–	47.7	09/10	28	1
AG4903	Asgrow	52.9	73.9	46.8	09/16	21	1
AV 50D2NRR	AgVenture	–	76.1	46.7	09/14	18	1
Progeny 4804RR	Progeny	48.7	72.2	46.7	06/14	25	1
FFR 4886RR	FFR	–	–	46.6	09/16	26	1
DG 37P49	Dyna-Gro	–	–	46.5	09/10	23	1
XG47A (E)	AgVenture	–	–	45.5	09/14	25	1
TV48R14	Terral	63.2	65.3	45.1	09/14	27	1
DG 36M49	Dyna-Gro	48.5	71.8	45.1	09/14	21	1
HBK HX4843 (E)	Hornbeck	–	–	44.2	09/10	28	1
USG 74T85	USG	–	–	44.2	09/12	28	1
NK XR4967 (E)	NK Brand	–	–	43.7	09/18	25	1
V49N6RR	Vigoro	–	77.1	43.1	09/16	22	1
TVX47R017 (E)	Terral	–	65.6	42.8	09/14	30	1
MorSoy RT 4802	MorSoy	56.8	69.6	42.7	09/08	23	1
4955RR	Croplan Genetics	–	–	42.6	09/21	21	1
USG 747R6	USG	–	68.0	42.2	09/14	20	1
MorSoy RT 4914N	MorSoy	–	70.9	41.7	09/16	27	1
HBK R4924	Hornbeck	51.6	74.5	41.6	09/16	29	1
495.RC	Schillinger	51.8	76.5	41.0	09/10	24	1
8493NRR	Excel	–	–	40.9	09/12	19	1
DK4866	Delta King	46.6	68.8	40.8	09/14	23	1
S03-007RR (E)	Public	–	–	40.7	09/10	24	1
TVX49R270 (E)	Terral	–	–	40.7	09/16	24	1
8481NRR	Excel	–	–	40.6	09/08	26	1
MorSoy RT 4706N (E)	MorSoy	–	–	40.5	09/14	18	1
NK S49-Q9	NK Brand	47.4	63.8	39.3	09/18	18	1
DK 4968	Delta King	–	–	39.2	09/10	23	1
Progeny 4805RR	Progeny	–	72.4	39.1	09/18	26	1
USG 7494nRR	USG	48.1	72.8	38.3	09/10	23	1
94B73	Pioneer	52.8	69.1	38.2	09/05	24	1
Armor GP-488	Armor	–	68.6	38.0	09/16	22	1
DP4724RR	DPL	49.6	74.4	36.8	09/07	20	1
DK XTJ702 (E)	Delta King	–	–	36.7	09/16	21	1
DG 35Z49	Dyna-Gro	–	63.6	36.4	09/16	23	1
DG 4960RR	Delta Grow	42.7	64.3	35.9	09/10	15	1
MorSoy RT 4755N (E)	MorSoy	–	–	35.9	09/14	26	1
DK4967RR	Delta King	52.5	64.8	35.5	09/07	22	1
Progeny 4716RR (E)	Progeny	–	–	34.7	09/16	21	1
DG 4840RR	Delta Grow	51.0	68.6	34.6	09/10	21	1
AV49J7NRR	AgVenture	44.9	73.8	34.2	09/14	23	1
Progeny 4706RR (E)	Progeny	–	–	34.1	09/02	23	1
DPX9202RR/S (E)	DPL	–	–	33.9	09/16	22	1
4782-4	Stine	–	–	33.1	09/16	17	1
DG 3481NRR	Dyna-Gro	51.2	72.5	33.1	09/07	23	1
Progeny 4606RR (E)	Progeny	–	–	33.0	09/10	18	1
MorSoy RT 4806N (E)	MorSoy	–	–	32.8	09/08	20	1
DG 4860RR	Delta Grow	50.8	71.3	32.6	09/05	18	1
RC 4842	Croplan Genetics	–	–	31.8	09/07	23	1
DPX9391RR (E)	DPL	–	–	31.6	09/16	21	1
HBK R4724	Hornbeck	44.4	68.1	31.6	09/16	26	1
DG 4970RR	Delta Grow	53.4	70.0	31.0	09/16	26	1
DK 4764	Delta King	–	–	29.6	09/05	24	1
Armor GP-490	Armor	–	–	29.4	09/10	24	1
DK 4763RR	Delta King	43.1	65.3	28.6	09/08	18	1
DG4770RR	Delta Grow	–	–	28.5	09/02	22	1
94M80	Pioneer	–	66.3	27.2	09/08	20	1
DPX4888RR/S (E)	DPL	–	–	26.9	09/10	21	1
DK XTJ747 (E)	Delta King	–	–	25.8	09/07	20	1
AG4703	Asgrow	–	80.1	24.5	09/08	16	1
Overall mean		50.0	68.6	39.9			
LSD (.10)		5.5	7.8	8.1			
Error degrees of freedom		148	156	140			
CV (%)		8.1	8.4	15.1			
R <sup>2</sup> (%)		82	57	74			

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



**Table 37. Roundup Ready Maturity Group V Early Soybeans Planted April 19, 2006, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
NK S56-D7	NK Brand	57.6	61.9	77.0	10/04	20	1
DP5634RR	DPL	57.0	65.6	70.9	10/02	25	1
DK 5368	Delta King	–	–	67.8	10/02	18	1
NK XR5263 (E)	NK Brand	–	–	65.3	10/02	19	1
DK 5366RR	Delta King	54.6	61.9	65.3	10/06	20	1
DK 52K6	Delta King	–	–	64.9	10/02	18	1
FFR 5663RR	FFR	68.4	61.0	64.8	10/04	18	1
TV55R15	Terral	47.5	57.6	64.8	10/04	26	1
DK XTJ704 (E)	Delta King	–	–	63.8	09/16	27	1
DG 32A53	Dyna-Gro	–	–	63.7	09/27	19	1
DK 5066RR	Delta King	–	74.1	63.7	09/14	26	1
XG51B (E)	AgVenture	–	–	62.7	09/24	18	1
ESXVT-16 (E)	Eagle Seed	–	–	61.0	10/02	17	1
DK55T6RR	Delta King	52.4	61.7	61.0	10/06	22	1
AG5702	Asgrow	–	67.7	60.8	09/29	19	1
DG 34J56	Dyna-Gro	–	–	60.6	10/02	22	1
ESXVT-518 (E)	Eagle Seed	–	–	60.6	09/29	32	1
HBK R5226	Hornbeck	–	–	60.0	10/04	16	1
AV 54D4	AgVenture	–	58.8	59.7	09/27	31	1
NK XR5068 (E)	NK Brand	–	–	59.7	09/21	29	1
DG 33X55	Dyna-Gro	–	67.7	59.6	10/02	17	1
ESXVT-110RR (E)	Eagle Seed	–	54.6	59.5	10/04	16	1
DG 3535NRR	Dyna-Gro	46.3	56.6	59.3	10/06	18	1
95M30	Pioneer	–	–	59.3	10/02	17	1
Armor GP 513	Armor	68.9	62.0	58.6	10/02	19	1
Progeny 5115RR	Progeny	–	65.6	57.9	09/16	28	1
TVX51R17 (E)	Terral	–	65.5	57.9	09/18	26	1
ESXVT-78 (E)	Eagle Seed	–	–	57.9	09/29	34	3
TV52R14	Terral	49.2	62.4	57.5	09/24	17	1
DP 5115RR/S	DPL	–	69.7	57.4	09/21	32	1
95M50	Pioneer	–	64.3	57.0	10/04	19	1
AGS 568RR	AgSouth	–	–	56.9	10/02	16	1
Armor ACX-5510 (E)	Armor	–	–	56.6	10/04	15	1
DPX5520RR/S (E)	DPL	–	–	56.5	09/27	26	1
HBK R5425	Hornbeck	–	54.1	56.5	10/06	38	2
DK 5161RR	Delta King	63.8	67.0	56.3	09/29	21	2
MorSoy RT 5206N (E)	MorSoy	–	–	56.2	10/02	19	1
Progeny 5650RR	Progeny	–	63.6	56.1	10/06	20	1
ESXVT-111 (E)	Eagle Seed	–	–	56.0	10/02	21	1
ESXVT-155 (E)	Eagle Seed	–	–	56.0	09/24	13	1
ESXVT-173 (E)	Eagle Seed	–	–	55.8	10/02	41	2
8512NRR	Excel	–	–	55.0	09/29	26	1
USG 7515nRS	USG	–	74.4	54.9	09/16	21	1
HBK R5525	Hornbeck	–	67.2	54.6	10/04	18	1
DK 5567RR	Delta King	61.8	52.5	54.6	10/06	20	1
DG5470RR	Delta Grow	–	–	54.5	09/30	26	1
DG 5630RR	Delta Grow	48.7	67.2	54.5	10/06	18	1
DG 33B52	Dyna-Gro	64.6	62.6	54.3	10/04	17	1
V50N7RS	Vigoro	–	–	54.3	09/14	31	1
NK XR5563 (E)	NK Brand	–	–	53.9	10/05	23	1
S03-383 (E)	Public	–	68.2	53.7	09/29	24	1
ESXVT-675 (E)	Eagle Seed	–	–	53.3	09/27	32	1
Progeny 5260RR (E)	Progeny	–	–	53.0	09/21	18	1
51G1 (E)	AgVenture	–	–	52.8	09/22	16	1
MPG 7554nRR	M-Pride	–	–	52.8	09/29	25	1
V51N7RS	Vigoro	–	–	52.5	09/27	16	1
Armor GP 555	Armor	–	59.2	52.3	10/04	17	1
AG5501	Asgrow	49.6	66.8	52.0	10/04	19	1
DG5160RR	Delta Grow	–	67.4	51.9	09/14	20	2
TVX53R017 (E)	Terral	–	–	51.4	10/02	19	1
USG 7505nRR	USG	–	68.0	50.2	09/14	25	1
TVX53R027 (E)	Terral	–	–	50.2	10/02	19	1
DP5414RR	DPL	36.5	63.6	49.9	09/27	19	1
NK S53-A1	NK Brand	–	–	49.0	09/24	17	1
FFR 5116RR	FFR	–	–	49.0	09/29	20	1

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



**Table 37 (cont.). Roundup Ready Maturity Group V Early Soybeans Planted April 19, 2006, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
NK XR5168 (E)	NK Brand	–	–	47.6	09/21	26	1
Progeny 5622RR	Progeny	54.5	70.3	47.6	10/06	13	1
DG5300RR	Delta Grow	–	–	46.3	09/24	18	1
XG56 (E)	AgVenture	–	–	45.9	09/23	18	1
TVX53R037 (E)	Terral	–	–	45.8	10/02	20	1
MPG 7552nRR	M-Pride	–	–	45.8	09/27	20	1
S03-328RR (E)	Public	–	–	45.7	09/16	27	1
DK XTJ703 (E)	Delta King	–	–	45.3	09/10	28	1
5142-4	Stine	–	61.8	44.3	09/12	25	2
RC 5003	Croplan Genetics	–	–	44.2	09/14	20	1
MorSoy RT 5506N (E)	MorSoy	–	–	44.1	09/27	15	1
MPG 7453nRR	M-Pride	–	–	43.2	09/27	21	1
MPG 7450nRR	M-Pride	–	–	42.4	09/16	27	1
XG55B (E)	AgVenture	–	–	41.6	09/22	15	1
55109 (E)	Schillinger	–	–	40.8	10/04	13	1
USG 7553nRS	USG	50.2	56.4	40.2	09/29	17	1
DG 5650RR	Delta Grow	49.1	65.8	38.9	10/02	15	1
Progeny 5406RR (E)	Progeny	–	–	38.7	09/22	14	1
8520NRR	Excel	–	–	38.1	09/27	14	1
MorSoy RT 5306N (E)	MorSoy	–	–	37.2	09/27	20	1
Progeny 5205RR	Progeny	–	75.4	32.4	09/16	23	1
DG 5260RR	Delta Grow	47.5	56.4	29.5	10/02	14	1
Overall mean		51.7	62.4	53.7			
LSD (.10)		5.3	7.8	8.1			
Error degrees of freedom		156	158	172			
CV (%)		7.6	9.2	11.2			
R <sup>2</sup> (%)		83	60	78			

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

**Table 38. Roundup Ready Maturity Group V Late Soybeans Planted April 19, 2006, and Irrigated (Dulaney Farms, Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
AG5905	Asgrow	<i>bu/A</i> 46.7	<i>bu/A</i> 69.2	<i>bu/A</i> 71.4	10/06	<i>in</i> 23	1
DK XTJ706 (E)	Delta King	–	–	70.7	09/27	18	1
HBK R5825	Hornbeck	–	60.2	65.7	10/04	20	1
NK XR6062 (E)	NK Brand	–	–	65.6	10/01	22	1
Progeny 5706RR (E)	Progeny	–	–	63.2	10/06	20	1
TV59R16	Terral	–	–	61.9	10/06	18	1
USG 7582nRR	USG	–	–	60.9	10/04	17	1
DG 3600	Dyna-Gro	–	54.2	60.9	01/04	22	1
DK XTJ705 (E)	Delta King	–	–	60.2	10/06	21	1
NK XR5862 (E)	NK Brand	–	–	59.8	10/02	22	1
NK XR5964 (E)	NK Brand	–	–	58.8	10/01	18	1
DP 5808RR	DPL	70.7	66.1	58.4	10/04	23	1
DG 36T60	Dyna-Gro	–	–	56.7	10/04	22	1
DG 36N57	Dyna-Gro	68.6	61.0	55.6	10/04	19	1
DG 3583NRR	Dyna-Gro	45.9	65.1	55.3	10/04	14	1
DG5830RR	Delta Grow	–	67.8	53.4	10/06	23	1
HBK R5924	Hornbeck	74.1	65.4	52.4	10/06	15	1
AG5903	Asgrow	56.7	56.4	52.4	10/06	20	1
DP5915RR	DPL	55.6	65.4	50.2	10/06	15	1
95M80	Pioneer	58.0	60.5	49.8	10/02	18	1
TV57R16	Terral	–	–	49.1	10/02	21	1
DPX5914RR (E)	DPL	–	–	48.5	10/01	19	1
DG 38K57	Dyna-Gro	52.9	56.4	48.4	09/29	15	1
TV59R14	Terral	50.9	69.2	47.4	10/04	14	1
AG5702	Asgrow	–	63.7	47.2	09/29	15	1
TV57R14	Terral	50.2	63.6	46.8	09/29	21	1
AV 57D7RR	AgVenture	64.5	57.4	46.8	10/02	19	1
Progeny 5806RR (E)	Progeny	–	–	45.3	10/06	14	1
DG 5960RR	Delta Grow	55.4	59.7	35.8	10/06	15	1
Overall mean		54.7	62.3	55.1			
LSD (.10)		10.8	6.6	8.1			
Error degrees of freedom		90	50	56			
CV (%)		14.5	7.7	10.7			
R <sup>2</sup> (%)		66	68	76			

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

# Location 2. Mattson Farms, Clarksdale (Nonirrigated)

## Location Summary

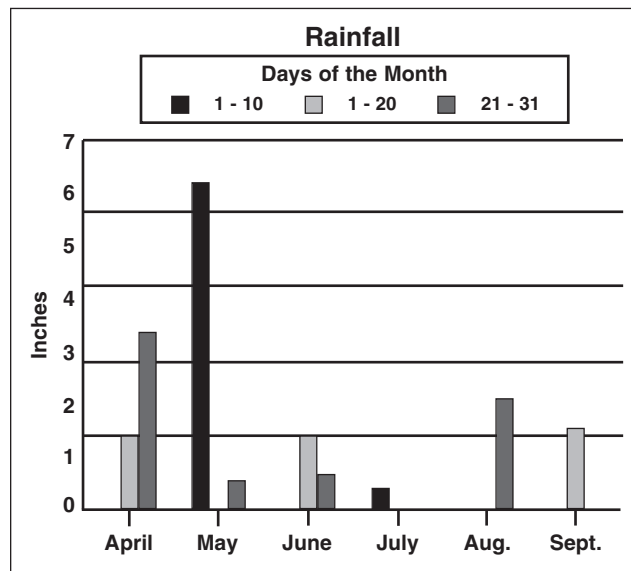
Soybeans were planted no-till into good soil moisture and emerged to a good stand. The above-average temper-

atures and below-average rainfall reduced soybean yields. Harvest was completed in hot, dry weather conditions.

Soil type	Sharkey clay
Soil pH	6.7
Soil fertility	P=H; K=H
Fertilizer added	None
Herbicide application	Preemergence — Dual II Magnum @ 32 oz/A on 4-12-06 Postemergence — Roundup Weathermax @ 22 oz/A on 5-17-06
Planting date	April 12
Harvest date	Group III — August 8; Group IV E — August 8; Group IV L — August 15

## Rainfall Summary

	Inches
April	3.40
May	4.80
June	1.50
July	0.30
August	1.50
September	1.10
<b>Total</b>	<b>12.60</b>



**Table 39. Roundup Ready Maturity Group III Soybeans Planted April 12, 2006, and Not Irrigated (Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
DG3960RR	Delta Grow	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
		–	–	27.5	08/04	24	1
93M90	Pioneer	59.3	47.1	23.9	07/31	19	1
Armor AFX-3907 (E)	Armor	–	–	23.7	08/04	26	1
Armor AFX-3981 (E)	Armor	–	–	22.8	08/02	25	1
DG3950RR	Delta Grow	–	46.8	22.8	08/04	22	1
Progeny 3916RR (E)	Progeny	–	–	22.6	07/31	25	1
AG3802	Asgrow	53.5	45.7	22.3	07/31	19	1
MorSoy RT 3883N	MorSoy	–	52.4	21.3	07/31	23	1
DK 3967	Delta King	–	44.7	20.5	07/31	24	1
Progeny 3900RR	Progeny	61.7	49.5	20.2	08/02	22	1
DP3861RR	DPL	64.7	44.3	19.9	08/04	19	1
DK 3964RR	Delta King	47.2	44.2	19.9	07/31	25	1
DK 39T6 (E)	Delta King	–	–	19.7	08/02	20	1
AG3906	Asgrow	61.8	46.3	19.5	08/04	20	1
MorSoy RT 3906N (E)	MorSoy	–	–	19.3	08/04	27	1
TVX39R017 (E)	Terral	–	–	19.1	08/05	20	1
AG3905	Asgrow	56.1	47.9	18.8	08/07	18	1
AG3705	Asgrow	–	–	18.6	07/31	21	1
Progeny 3906RR (E)	Progeny	–	–	18.6	08/02	19	1
AV38T7	AgVenture	–	52.1	18.3	07/31	22	1
DG 31J39	Dyna-Gro	–	56.0	17.6	08/04	20	1
DG 3392	Dyna-Gro	–	44.7	17.6	07/31	20	1
HBK R3824	Hornbeck	–	–	17.2	08/05	21	1
TV39RS31	Terral	58.9	48.0	17.1	08/04	20	1
DPX3994RR (E)	DPL	–	–	16.9	08/04	26	1
Overall mean		57.3	46.3	20.2			
LSD (.10)		6.9	5.5	3.7			
Error degrees of freedom		24	48	48			
CV (%)		8.6	8.7	13.3			
R <sup>2</sup> (%)		72	64	65			

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

**Table 40. Roundup Ready Maturity Group IV Early Soybeans Planted April 12, 2006, and Not Irrigated (Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
06-4450RR (E)	DPL	—	—	25.7	08/05	26	1
RC 4455	Croplan Genetics	—	56.4	23.6	08/05	29	1
NK XR4669 (E)	NK Brand	—	—	22.7	08/08	23	1
8448NRR	Excel	—	—	22.4	08/02	13	1
AG4103	Asgrow	—	—	22.3	08/05	23	1
Armor GP-454	Armor	—	52.9	21.5	08/07	30	1
Progeny 4406RR (E)	Progeny	—	—	21.2	08/08	27	1
V44N6RR	Vigoro	—	63.1	20.7	08/07	22	1
MorSoy RT 4485N	MorSoy	—	63.1	20.7	08/07	26	1
Progeny 4405RR	Progeny	—	59.6	20.6	08/07	24	1
AV 44D4	AgVenture	—	59.8	20.4	08/07	30	1
DP4112RR/S	DPL	—	—	20.2	08/07	24	1
Progeny 4206RR (E)	Progeny	—	—	20.0	08/05	18	1
DKB40-51	DEKALB	—	—	19.6	08/03	22	1
DG4460RR	Delta Grow	—	65.8	19.5	08/05	29	1
DK 4567	Delta King	—	—	19.3	08/02	23	1
DG4150RR	Delta Grow	—	60.2	18.7	08/07	19	1
Armor GP 422	Armor	—	63.6	18.3	08/04	20	1
DG 3463NRR	Dyna-Gro	65.3	52.4	18.2	08/09	24	1
TVX44R270 (E)	Terral	—	—	18.1	08/07	28	1
DKB46-51	DEKALB	61.4	52.1	18.0	08/05	17	1
MorSoy RT 4480	MorSoy	—	52.8	17.9	08/07	20	1
NK S43-B1	NK Brand	58.6	48.9	17.9	08/02	24	1
94M50	Pioneer	—	—	17.8	08/02	19	1
DK XTJ701 (E)	Delta King	—	—	17.5	08/09	21	1
Progeny 4401RR	Progeny	66.5	52.0	17.2	08/07	18	1
DP4331RR	DPL	60.8	47.9	17.0	08/07	25	1
RC 4432	Croplan Genetics	—	—	16.9	08/07	26	1
USG 74T35	USG	—	—	16.6	08/02	16	1
TV45R14	Terral	60.0	55.7	16.4	08/05	26	1
AV46J5NRR	AgVenture	61.5	50.5	16.3	08/06	18	1
Progeny 4506RR (E)	Progeny	—	—	16.3	08/09	20	1
94M31	Pioneer	—	—	16.3	08/02	23	1
HBK R3824	Hornbeck	—	54.5	16.2	08/06	20	1
DK 4461RR	Delta King	65.8	44.2	16.1	08/07	22	1
DG 35B40	Dyna-Gro	—	50.5	15.9	08/08	19	1
AG4404	Asgrow	—	47.3	15.8	08/02	19	1
AG4703	Asgrow	—	49.0	15.8	08/07	17	1
DG4660RR	Delta Grow	—	52.0	15.7	08/07	26	1
S03-051RR (E)	Public	—	—	15.5	08/05	24	1
XG43 (E)	AgVenture	—	—	15.5	08/09	28	1
RC 4233	Croplan Genetics	—	—	15.2	08/05	19	1
Progeny 4216RR (E)	Progeny	—	—	14.9	08/02	23	1
06-4361RR (E)	DPL	—	—	14.9	08/05	19	1
DG 37A44	Dyna-Gro	—	61.2	14.8	08/07	23	1
HBK HX4524 (E)	Hornbeck	—	—	14.8	08/07	26	1
S03-058RR (E)	Public	—	—	14.7	08/05	25	1
AG4403	Asgrow	62.8	57.4	14.6	08/07	21	1
HBK R4623	Hornbeck	62.0	55.0	14.6	08/07	27	1
DG 32R46	Dyna-Gro	—	—	14.6	08/07	18	1
TV46R15	Terral	58.2	59.7	14.4	08/05	23	1
DG 3443NRR	Dyna-Gro	66.0	50.9	14.1	08/07	18	1
DG 37F46	Dyna-Gro	—	—	14.1	08/09	29	1
DK 4667	Delta King	—	57.9	14.0	08/09	28	1
USG 7440nRR	USG	67.5	59.3	14.0	08/04	20	1
USG 7466nRR	USG	—	57.4	13.7	08/07	29	1
V47N6RR	Vigoro	—	60.8	13.7	08/07	26	1
USG 74C36	USG	—	—	13.2	08/07	26	1
8447NRR	Excel	—	—	11.2	08/09	24	1
MorSoy RT 4665N	MorSoy	—	55.3	11.1	08/07	22	1
DP4546RR	DPL	58.1	56.1	10.3	08/09	24	1
RC 4655	Croplan Genetics	—	43.6	9.4	08/07	25	1
DK4661	Delta King	52.2	44.3	8.6	08/07	17	1
Overall mean		61.2	53.8	16.8			
LSD (.10)		7.8	8.5	3.4			
Error degrees of freedom		98	132	124			
CV (%)		9.4	11.7	15.1			
R <sup>2</sup> (%)		61	62	75			

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

**Table 41. Roundup Ready Maturity Group IV Late Soybeans Planted April 12, 2006, and Not Irrigated (Coahoma County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
94B73	Pioneer	78.1	53.0	32.1	08/09	23	1
DG4770RR	Delta Grow	—	—	26.4	08/07	20	1
495.RC	Schillinger	78.6	60.2	25.6	08/12	23	1
Progeny 4706RR (E)	Progeny	—	—	25.2	08/09	21	1
XG47A (E)	AgVenture	—	—	24.8	08/14	27	1
S03-007RR (E)	Public	—	—	24.3	08/14	25	1
DG 4860RR	Delta Grow	67.9	55.2	23.5	08/07	24	1
V49N6RR	Vigoro	—	58.9	23.3	08/16	27	1
AV 50D2NRR	AgVenture	—	58.9	23.3	08/10	25	1
NK S49-Q9	NK Brand	62.5	39.9	23.2	08/14	22	1
MorSoy RT 4806N (E)	MorSoy	—	—	23.2	08/08	17	1
TVX49R270 (E)	Terral	—	—	22.3	08/10	25	1
DK 4763RR	Delta King	61.8	52.0	22.3	08/10	23	1
Progeny 4606RR (E)	Progeny	—	—	22.0	08/09	20	1
4782-4	Stine	—	—	21.9	08/09	20	1
USG 7494nRR	USG	64.2	53.1	21.8	08/07	22	1
DP4919RR/S	DPL	—	—	21.5	08/08	26	1
94M80	Pioneer	—	55.7	21.3	08/09	21	1
DPX9202RR/S (E)	DPL	—	—	21.2	08/10	26	1
MorSoy RT 4914N	MorSoy	—	60.1	21.2	08/10	24	1
8481NRR	Excel	—	—	21.2	08/14	31	1
TVX49R017 (E)	Terral	—	50.3	21.2	08/16	28	1
AG4703	Asgrow	—	50.5	20.4	08/08	18	1
NK XR4967 (E)	NK Brand	—	—	20.0	08/14	21	1
HBK R4724	Hornbeck	68.1	43.6	19.9	08/07	22	1
Armor GP-490	Armor	—	—	19.7	08/10	28	1
DK XTJ702 (E)	Delta King	—	—	19.6	08/13	24	1
TV48R14	Terral	61.5	51.9	19.5	08/12	24	1
DK XTJ747 (E)	Delta King	—	—	19.5	08/07	20	1
Progeny 4804RR	Progeny	61.6	59.1	19.3	08/10	21	1
DK4967RR	Delta King	61.8	51.7	19.3	08/09	21	1
DPX4888RR/S (E)	DPL	—	—	19.2	08/10	28	1
DK 4764	Delta King	—	—	19.2	08/07	24	1
AV49JNRR	AgVenture	63.0	58.4	19.2	08/09	22	1
DK XTJ750	Delta King	—	—	19.2	08/15	24	1
Progeny 4906RR (E)	Progeny	—	—	19.1	08/12	22	1
DG 35Z49	Dyna-Gro	—	62.6	19.1	08/14	28	1
Progeny 4949RR	Progeny	67.1	61.5	19.0	08/14	24	1
MorSoy RT 4706N (E)	MorSoy	—	—	19.0	08/09	17	1
HBK HX4843 (E)	Hornbeck	—	—	18.9	08/09	24	1
DG 37P49	Dyna-Gro	—	—	18.7	08/16	26	1
49D6	AgVenture	—	—	18.3	08/14	27	1
Armor GP-488	Armor	—	49.9	17.7	08/08	25	1
Progeny 4716RR (E)	Progeny	—	—	17.7	08/14	19	1
USG 747R6	USG	—	38.1	17.7	08/09	23	1
TV49R12	Terral	54.8	52.0	17.6	08/12	28	1
MorSoy RT 4802 (E)	MorSoy	64.4	50.6	17.1	08/09	21	1
DG 4840RR	Delta Grow	62.5	60.5	17.1	08/09	21	1
FFR 4955RR	FFR	—	—	16.8	08/10	26	1
AG4903	Asgrow	56.8	58.8	16.8	08/14	18	1
DG 36M49	Dyna-Gro	62.3	52.3	16.7	08/07	20	1
TVX47R017 (E)	Terral	—	57.2	16.7	08/14	26	1
MorSoy RT 4755N (E)	MorSoy	—	—	16.5	08/14	19	1
MorSoy RT 4955N	MorSoy	—	53.7	16.4	08/10	22	1
DG4975LARR	Delta Grow	—	—	16.3	08/14	22	1
DPX9391RR (E)	DPL	—	—	16.0	08/10	22	1
DK 4968	Delta King	—	—	16.0	08/14	20	1
DG 4970RR	Delta Grow	73.6	61.9	16.0	08/14	23	1
DK4866	Delta King	63.2	57.9	15.9	08/10	23	1
RC 4842	Croplan Genetics	—	—	15.6	08/09	26	1
4955RR	Croplan Genetics	—	—	15.1	08/14	29	1
Progeny 4805RR	Progeny	—	54.4	15.1	08/17	22	1
DG 3481NRR	Dyna-Gro	64.6	56.2	14.9	08/07	21	1
FFR 4886RR	FFR	—	—	14.8	08/09	23	1
HBK R4924	Hornbeck	62.3	59.3	14.2	08/10	23	1
MorSoy RT 4993	MorSoy	60.4	54.2	14.2	08/09	21	1
DG 36Y48	Dyna-Gro	—	49.3	13.6	08/10	19	1
8493NRR	Excel	—	—	13.5	08/10	28	1
DP4724RR	DPL	57.7	55.1	13.5	08/08	23	1
USG 74T85	USG	—	—	11.1	08/09	24	1
DG 4960RR	Delta Grow	64.4	56.7	10.9	08/09	18	1
Overall mean		61.2	53.2	19.0			
LSD (.10)		7.6	6.8	5.1			
Error degrees of freedom		148	156	140			
CV (%)		9.2	9.5	19.8			
R <sup>2</sup> (%)		73	73	67			

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

# Location 3. Todd Williams Farm, Olive Branch

## Location Summary

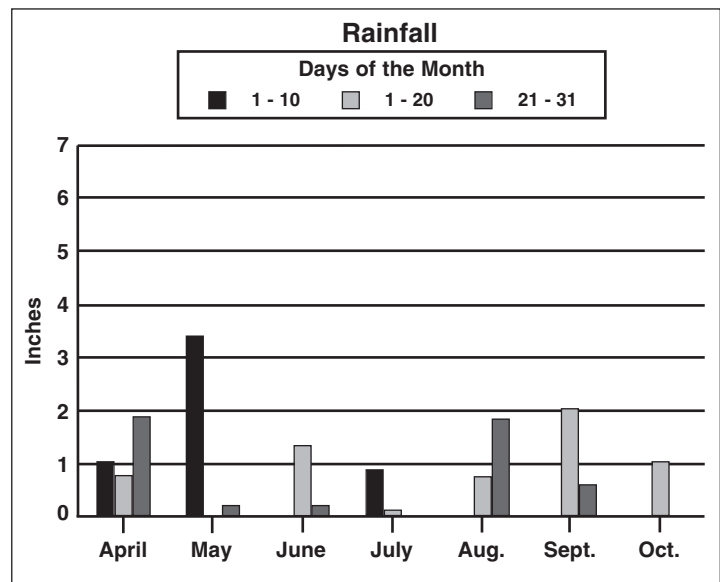
The soybean test was planted after a field cultivator was pulled over the field. Soil moisture was ideal, and a good stand was established. Even with the hot, dry grow-

ing season, rainfall in August was adequate enough to produce good yields. Insect and disease pressure were light. Harvest was completed on time.

Soil type .....	Collins silt loam
Soil pH .....	6.1
Soil fertility .....	P=H; K=H+
Fertilizer added .....	P <sub>2</sub> O <sub>5</sub> @ 30 lb/A + K <sub>2</sub> O @ 90 lb/A + B @ 1 lb/A
Herbicide application ...	Preemergence — Dual II Magnum @ 24 oz/A on 4-13-06 Postemergence — Roundup Weathermax @ 22 oz/A + First Rate @ 0.15 oz/A on 5-22-06 and 6-05-06 Lay-By — Roundup Weathermax @ 22 oz/A + Pursuit @ 1.44 oz/A on 6-15-06
Planting date .....	April 13
Harvest date .....	Group III — September 1; Group IV RR — September 21; Group V RR — October 3

## Rainfall Summary

	Inches
April .....	3.68
May .....	3.61
June .....	1.57
July .....	1.04
August .....	2.60
September .....	2.65
October .....	1.01
Total .....	16.16





**Table 42. Roundup Ready Maturity Group III Soybeans Planted April 13, 2006 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004 <sup>2</sup>	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK R3824	Hornbeck	–	–	44.7	08/21	29	1
DK 3964RR	Delta King	–	38.1	42.7	08/21	30	1
MorSoy RT 3906N (E)	MorSoy	–	–	42.0	08/23	33	1
DK 39T6 (E)	Delta King	–	–	41.2	08/23	29	1
DG3960RR	Delta Grow	–	–	40.8	08/24	30	1
TVX39R017 (E)	Terral	–	–	40.7	08/24	29	1
Progeny 3906RR (E)	Progeny	–	–	40.5	08/21	26	1
Progeny 3916RR (E)	Progeny	–	–	40.4	08/24	35	1
AG3906	Asgrow	–	49.3	40.0	08/24	24	1
AG3905	Asgrow	–	43.5	39.6	08/24	31	1
Armor AFX-3981 (E)	Armor	–	–	39.5	08/22	28	1
DPX3994RR (E)	DPL	–	–	39.2	08/14	29	1
TV39RS31	Terral	–	41.5	39.2	08/22	27	1
MorSoy RT 3883N	MorSoy	–	43.2	38.7	08/23	28	1
DG 31J39	Dyna-Gro	–	42.8	37.1	08/23	28	1
DK 3967	Delta King	–	46.7	36.0	08/22	34	1
DP3861RR	DPL	–	47.5	36.0	08/12	27	1
DG3950RR	Delta Grow	–	37.3	35.6	08/24	27	1
AG3802	Asgrow	–	46.4	35.2	08/12	27	1
Armor AFX-3907 (E)	Armor	–	–	34.9	08/24	35	2
Progeny 3900RR	Progeny	–	42.3	34.2	08/24	28	1
AG3705	Asgrow	–	–	33.7	08/21	21	1
AV38T7	AgVenture	–	49.9	33.4	08/22	23	1
93M90	Pioneer	–	38.2	32.9	08/21	30	1
DG 3392	Dyna-Gro	–	41.8	28.7	08/22	30	1
Overall mean		–	44.3	37.9			
LSD (.10)		–	7.4	6.9			
Error degrees of freedom		–	48	48			
CV (%)		–	12.2	13.3			
R <sup>2</sup> (%)		–	63	50			

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

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

**Table 43. Roundup Ready Maturity Group IV Early Soybeans Planted April 13, 2006 ( Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
MorSoy RT 4665N	MorSoy	–	60.8	55.0	09/12	37	2
DG4460RR	Delta Grow	–	60.0	54.9	09/10	32	2
DG 37F46	Dyna-Gro	–	–	54.4	09/15	39	1
DG4150RR	Delta Grow	–	61.8	53.8	09/16	34	2
RC 4455	Croplan Genetics	–	60.4	53.5	09/12	32	1
USG 7466nRR	USG	–	60.3	52.8	09/12	35	1
8447NRR	Excel	–	–	52.7	09/02	29	1
NK XR4669 (E)	NK Brand	–	–	51.8	09/15	39	1
DG 37A44	Dyna-Gro	–	61.9	51.3	09/14	34	1
Progeny 4405RR	Progeny	–	61.5	49.5	09/13	33	2
DP4331RR	DPL	58.3	54.6	49.5	09/12	26	1
DG4660RR	Delta Grow	–	57.0	49.4	09/15	35	2
MorSoy RT 4485N	MorSoy	–	66.3	49.4	09/14	35	1
DKB46-51	DEKALB	56.9	56.9	48.9	09/15	30	1
Progeny 4406RR (E)	Progeny	–	–	48.9	09/13	34	1
MorSoy RT 4480	MorSoy	–	48.4	48.6	09/15	34	1
USG 7440nRR	USG	56.1	55.8	48.6	08/24	35	1
AG4404	Asgrow	–	57.7	47.7	09/15	30	1
DG 32R46	Dyna-Gro	–	–	46.8	09/05	27	1
HBK HX4524 (E)	Hornbeck	–	–	46.8	09/12	37	1
USG 74C36	USG	–	–	46.7	09/14	34	1
DG 35B40	Dyna-Gro	–	58.5	46.6	09/14	33	1
XG43 (E)	AgVenture	–	–	46.4	09/16	34	1
Progeny 4401RR	Progeny	58.1	50.7	46.4	09/12	33	1
DK 4567	Delta King	–	–	45.7	08/24	31	1
DK 4461RR	Delta King	56.2	53.6	45.6	09/16	36	2
V47N6RR	Vigoro	–	54.7	44.8	09/16	35	1
NK S43-B1	NK Brand	54.9	55.3	44.8	09/15	34	1
DK 4667	Delta King	–	59.2	44.1	09/16	38	2
AG4403	Asgrow	53.7	56.9	44.0	09/15	35	1
DG 3443NRR	Dyna-Gro	57.9	54.7	43.9	09/15	34	1
06-4450RR (E)	DPL	–	–	42.8	09/07	31	1
06-4361RR (E)	DPL	–	–	42.8	09/15	28	1
V44N6RR	Vigoro	–	57.5	42.7	06/06	33	1
DKB40-51	DEKALB	–	–	42.6	09/15	31	1
TVX44R270 (E)	Terral	–	–	42.5	09/12	37	2
94M50	Pioneer	–	–	42.4	09/16	23	1
Armor GP-454	Armor	–	55.8	42.4	06/06	33	1
Armor GP 422	Armor	–	49.4	41.9	09/06	34	1
Progeny 4206RR (E)	Progeny	–	–	41.5	08/24	29	1
HBK R3824	Hornbeck	–	53.1	41.5	09/05	27	1
AG4703	Asgrow	–	56.6	41.5	09/16	31	1
DP4546RR	DPL	55.8	47.0	40.9	09/12	32	1
AV 44D4	AgVenture	–	58.3	40.3	09/06	31	1
RC 4655	Croplan Genetics	–	39.7	40.2	09/15	33	1
DK XTJ701 (E)	Delta King	–	–	40.0	09/15	35	1
HBK R4623	Hornbeck	55.2	49.3	40.0	09/12	31	1
AG4103	Asgrow	–	–	40.0	09/14	29	1
TV46R15	Terral	53.3	50.4	39.5	09/14	35	1
DG 3463NRR	Dyna-Gro	50.8	43.7	39.5	09/14	36	1
Progeny 4506RR (E)	Progeny	–	–	38.3	09/16	33	1
AV46J5NRR	AgVenture	61.7	62.6	38.3	08/25	29	1
RC 4432	Croplan Genetics	–	–	38.1	09/19	33	1
RC 4233	Croplan Genetics	–	–	38.1	06/16	30	1
DK4661	Delta King	54.9	36.9	34.9	09/16	37	1
S03-058RR (E)	Public	–	–	34.3	08/23	32	1
TV45R14	Terral	51.5	40.9-	32.7	09/12	31	1
94M31	Pioneer	–	–	32.3	08/24	31	1
DP4112RR/S	DPL	–	–	31.1	08/25	32	1
8448NRR	Excel	–	–	30.7	09/02	23	1
USG 74T35	USG	–	–	29.8	08/24	24	1
S03-051RR (E)	Public	–	–	28.8	09/06	36	1
Progeny 4216RR (E)	Progeny	–	–	28.5	08/22	32	1
Overall mean		56.9	53.9	43.4			
LSD (.10)		8.3	10.3	9.8			
Error degrees of freedom		98	132	124			
CV (%)		10.8	14.2	16.7			
R <sup>2</sup> (%)		55	55	59			

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

**Table 44. Roundup Ready Maturity Group IV Late Soybeans Planted April 13, 2006 ( Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
MorSoy RT 4755N (E)	MorSoy	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
AV49J7NRR	AgVenture	60.9	61.6	57.9		31	1
4955RR	Croplan Genetics	–	–	56.9		29	1
49D6	AgVenture	–	–	56.4		33	1
DG 37P49	Dyna-Gro	–	–	55.2		35	1
DG 35Z49	Dyna-Gro	–	66.7	52.9		32	1
DG 4960RR	Delta Grow	61.9	58.4	52.0		32	1
FFR 4886RR	FFR	–	–	51.7		29	1
495.RC	Schillinger	58.7	69.9	51.5		32	1
V49N6RR	Vigoro	–	71.0	51.1		31	1
8481NRR	Excel	–	–	51.1		31	1
DK 4968	Delta King	–	–	50.8		30	1
MorSoy RT 4993	MorSoy	57.2	60.6	50.8		29	1
DG 4970RR	Delta Grow	61.9	63.4	50.5		32	1
DG 36Y48	Dyna-Gro	–	62.4	50.2		35	1
DPX4888RR/S (E)	DPL	–	–	50.2		35	1
MorSoy RT 4914N	MorSoy	–	58.7	50.1		34	1
HBK HX4843 (E)	Hornbeck	–	–	50.0		40	1
DPX9391RR (E)	DPL	–	–	49.8		35	1
AV 50D2NRR	AgVenture	–	66.7	49.6		34	1
TV48R14	Terral	60.6	56.3	49.1		34	1
DK XTJ702 (E)	Delta King	–	–	48.7		33	1
Progeny 4906RR (E)	Progeny	–	–	48.6		32	1
DPX9202RR/S (E)	DPL	–	–	48.3		28	1
Progeny 4716RR (E)	Progeny	–	–	48.1		29	1
HBK R4924	Hornbeck	51.7	57.3	48.0		36	1
NK S49-Q9	NK Brand	60.6	51.3	47.7		29	1
USG 747R6	USG	–	59.0	47.6		29	1
DK XTJ750 (E)	Delta King	–	–	47.2		28	1
S03-007RR (E)	Public	–	–	47.1		38	1
MorSoy RT 4955N	MorSoy	–	64.3	47.0		34	1
AG4903	Asgrow	53.1	56.0	46.9		25	1
Armor GP-490	Armor	–	–	46.8		26	1
AG4703	Asgrow	–	61.7	46.2		32	1
DP4919RR/S	DPL	–	–	46.1		36	1
DK 4764	Delta King	–	–	45.7		30	1
DG 4840RR	Delta Grow	57.0	59.6	45.3		29	1
Progeny 4706RR (E)	Progeny	–	–	45.2		34	1
USG 74T85	USG	–	–	45.1		37	1
FFR 4955RR	FFR	–	–	44.6		35	1
Progeny 4805RR	Progeny	–	49.8	44.6		35	1
DP4724RR	DPL	61.7	49.9	44.5		30	1
Progeny 4606RR (E)	Progeny	–	–	44.5		29	1
Progeny 4804RR	Progeny	50.8	56.8	44.4		33	1
DG4975LARR	Delta Grow	–	–	44.2		30	1
TVX49R017 (E)	Terral	–	58.1	44.1		39	1
DK4866	Delta King	49.0	54.6	44.0		32	1
RC 4842	Croplan Genetics	–	–	43.6		28	1
DG 36M49	Dyna-Gro	62.7	58.1	42.7		32	1
USG 7494nRR	USG	60.3	52.9	42.7		29	1
Armor GP-488	Armor	–	52.4	42.4		30	1
DG 4860RR	Delta Grow	49.4	50.0	42.2		31	1
TVX49R270 (E)	Terral	–	–	41.9		30	1
XG47A (E)	AgVenture	–	–	41.0		35	1
Progeny 4949RR	Progeny	54.6	51.1	40.8		30	1
TVX47R017 (E)	Terral	–	56.1	40.3		36	1
TV49R12	Terral	51.3	44.1	39.4		44	1
94B73	Pioneer	59.4	45.8	39.3		34	1
DG4770RR	Delta Grow	–	–	38.3		27	1
8493NRR	Excel	–	–	37.2		32	1
DK 4763RR	Delta King	59.4	66.2	36.7		29	1
HBK R4724	Hornbeck	65.8	57.0	36.5		35	1
MorSoy RT 4802	MorSoy	57.3	52.5	36.0		29	1
4782-4	Stine	–	–	35.9		24	1
MorSoy RT 4806N (E)	MorSoy	–	–	35.9		29	1
DG 3481NRR	Dyna-Gro	52.9	57.1	35.7		32	1
MorSoy RT 4706N (E)	MorSoy	–	–	35.4		26	1
DK4967RR	Delta King	59.5	51.6	34.1		27	1
NK XR4967 (E)	NK Brand	–	–	33.9		30	1
94M80	Pioneer	–	47.1	32.2		32	1
DK XTJ747 (E)	Delta King	–	–	32.2		28	1
Overall mean		53.1	55.8	45.3			
LSD (.10)		8.4	9.6	11.5			
Error degrees of freedom		148	156	140			
CV (%)		11.1	12.7	18.7			
R <sup>2</sup> (%)		61	61	49			

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

**Table 45. Roundup Ready Maturity Group V Early Soybeans Planted April 13, 2006 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
FFR 5663RR	FFR	52.6	38.5	55.4	09/28	26	1
DG 5630RR	Delta Grow	43.7	36.6	52.3	09/29	34	1
DG 34J56	Dyna-Gro	–	–	51.0	09/29	35	1
MPG 7453nRR	M-Pride	–	–	50.7	09/16	32	1
Armor GP 555	Armor	–	37.1	49.7	09/28	27	1
DK 52K6	Delta King	–	–	49.1	09/24	25	1
DG 5650RR	Delta Grow	60.1	40.6	48.9	09/22	30	1
ESXVT-110RR (E)	Eagle Seed	–	33.8	48.8	09/25	28	1
XG56 (E)	AgVenture	–	–	48.6	09/20	25	1
NK S56-D7	NK Brand	48.5	41.7	48.6	09/24	31	1
V51N7RS	Vigoro	–	–	48.0	09/16	31	1
Progeny 5650RR	Progeny	–	39.4	47.8	09/30	25	1
RC 5003	Croplan Genetics	–	–	47.5	09/16	31	1
DP5634RR	DPL	46.2	35.7	47.4	09/26	28	1
AGS 568RR	AgSouth	–	–	47.3	09/24	26	1
AG5501	Asgrow	51.5	40.2	47.0	09/25	26	1
DK55T6RR	Delta King	50.0	44.0	46.8	09/30	32	1
TV55R15	Terral	36.1	36.7	46.8	09/26	31	1
NK XR5168 (E)	NK Brand	–	–	46.7	09/28	30	1
USG 7553nRS	USG	49.4	41.1	46.5	09/22	25	1
DG5160RR	Delta Grow	–	36.4	46.4	09/22	33	1
Armor GP 513	Armor	48.2	36.7	46.3	09/25	27	1
DG5300RR	Delta Grow	–	–	46.3	09/20	29	1
FFR 5116RR	FFR	–	–	46.3	09/26	32	1
ESXVT-78 (E)	Eagle Seed	–	–	45.8	09/29	42	2
51G1 (E)	AgVenture	–	–	44.6	09/24	30	1
TV52R14	Terral	50.4	32.6	44.5	09/26	28	1
ESXVT-173 (E)	Eagle Seed	–	–	44.3	09/30	47	2
RT 5306N (E)	MorSoy	–	–	44.1	09/23	28	1
Progeny 5260RR (E)	Progeny	–	–	43.8	09/23	32	1
NK XR5263 (E)	NK Brand	–	–	43.6	09/28	26	1
V50N7RS	Vigoro	–	–	43.6	09/24	31	1
HBK R5226	Hornbeck	–	–	43.6	09/22	27	1
XG51B (E)	AgVenture	–	–	43.4	09/29	28	1
ESXVT-675 (E)	Eagle Seed	–	–	42.8	09/22	27	1
ESXVT-518 (E)	Eagle Seed	–	–	42.7	09/20	31	1
DK XTJ703 (E)	Delta King	–	–	42.6	09/15	33	2
HBK R5525	Hornbeck	–	39.5	42.5	09/30	27	1
DG 32A53	Dyna-Gro	–	–	42.4	908	30	1
Armor ACX-5510 (E)	Armor	–	–	42.3	09/29	26	1
NK S53-A1	NK Brand	–	–	42.2	09/23	24	1
HBK R5425	Hornbeck	–	39.8	42.2	09/29	41	1
TVX51R17 (E)	Terral	–	39.9	42.0	09/28	36	1
DK 5368	Delta King	–	–	41.8	09/27	31	1
USG 7515nRS	USG	–	38.5	41.7	09/16	32	1
DG 33X55	Dyna-Gro	–	42.6	41.6	09/24	28	1
95M30	Pioneer	–	–	41.5	09/20	29	1
ESXVT-155 (E)	Eagle Seed	–	–	41.4	09/28	28	1
DG 3535NRR	Dyna-Gro	43.0	43.7	41.2	09/25	29	1
95M50	Pioneer	–	35.6	40.9	09/20	27	1
TVX53R027 (E)	Terral	–	–	40.8	09/26	30	1
DK 5366RR	Delta King	44.2	44.3	40.6	09/26	29	1
AV 54D4	AgVenture	–	34.4	40.5	09/22	38	1
Progeny 5622RR	Progeny	50.9	36.1	40.4	09/29	30	1
DK 5066RR	Delta King	–	34.2	40.2	09/30	32	1
DK 5161RR	Delta King	50.9	36.0	40.2	09/26	27	1
AG5702	Asgrow	–	37.6	40.1	09/26	28	1
DK 5567RR	Delta King	55.6	37.7	39.8	09/26	24	1
DP 5115RR/S	DPL	–	35.8	39.8	09/30	34	1
DG 33B52	Dyna-Gro	52.5	36.6	39.7	09/24	27	1
NK XR5563 (E)	NK Brand	–	–	39.7	09/25	29	1
ESXVT-111 (E)	Eagle Seed	–	–	39.4	09/21	26	1
DG5470RR	Delta Grow	–	–	39.2	09/30	31	1
RT 5506N (E)	MorSoy	–	–	38.7	09/28	26	1
Progeny 5115RR	Progeny	–	30.5	38.3	09/30	31	1
8512NRR	Excel	–	–	38.1	09/31	32	1

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

**Table 45 (cont.). Roundup Ready Maturity Group V Early Soybeans Planted April 13, 2006 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
XG55B (E)	AgVenture	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP5414RR	DPL	49.6	35.0	37.9	09/25	32	1
8520NRR	Excel	–	–	37.8	09/24	27	1
MPG 7552nRR	M-Pride	–	–	37.6	09/24	22	1
MPG 7554nRR	M-Pride	–	–	37.1	09/21	33	1
S03-328RR (E)	Public	–	–	37.1	09/25	29	1
NK XR5068 (E)	NK Brand	–	–	36.8	09/24	35	1
S03-383 (E)	Public	–	36.2	36.5	09/25	30	1
RT 5206N (E)	MorSoy	–	–	36.4	09/23	26	1
Progeny 5205RR	Progeny	–	29.5	36.2	09/30	31	1
Progeny 5406RR (E)	Progeny	–	–	35.7	09/24	27	1
DK XTJ704 (E)	Delta King	–	–	34.6	09/22	29	1
55109 (E)	Schillinger	–	–	34.6	09/24	28	1
USG 7505nRR	USG	–	35.9	34.4	09/24	32	1
TVX53R017 (E)	Terral	–	–	34.0	09/26	27	1
5142-4	Stine	–	33.8	34.0	09/20	31	1
MPG 7450nRR	M-Pride	–	–	33.4	09/24	34	1
TVX53R037 (E)	Terral	–	–	33.3	09/26	28	1
DPX5520RR/S (E)	DPL	–	–	33.3	09/30	32	1
DG 5260RR	Delta Grow	57.6	32.4	32.5	09/27	24	1
ESXVT-16 (E)	Eagle Seed	–	–	30.6	09/28	28	1
Overall mean		47.8	37.7	42.0			
LSD (.10)		8.2	9.4	10.6			
Error degrees of freedom		156	158	172			
CV (%)		12.7	18.5	18.6			
R <sup>2</sup> (%)		63	76	47			

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

**Table 46. Roundup Ready Maturity Group V Late Soybeans Planted April 13, 2006 (Todd Williams Farm, DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
AV 57D7RR	AgVenture	48.1	36.1	54.2	09/29	29	1
DG 38K57	Dyna-Gro	47.7	32.7	54.0	09/30	30	1
DP 5808RR	DPL	48.6	35.3	53.3	09/27	33	1
TV57R14	Terral	45.0	37.3	52.8	09/29	32	1
DP5915RR	DPL	47.0	39.6	51.8	09/27	29	1
DK XTJ706 (E)	Delta King	–	–	51.0	09/28	29	1
Progeny 5706RR (E)	Progeny	–	–	50.9	09/29	33	1
DG 3600	Dyna-Gro	–	33.4	49.8	09/28	32	1
NK XR5862 (E)	NK Brand	–	–	48.8	09/30	30	1
DG 36N57	Dyna-Gro	52.9	31.7	48.3	09/30	25	1
NK XR6062 (E)	NK Brand	–	–	48.2	09/30	31	1
NK XR5964 (E)	NK Brand	–	–	47.6	09/30	26	1
95M80	Pioneer	49.6	34.6	47.3	09/30	33	1
DG5830RR	Delta Grow	–	37.8	47.0	09/28	31	1
TV59R16	Terral	–	–	46.9	09/28	24	1
DG 36T60	Dyna-Gro	–	–	46.8	09/25	29	1
DG 3583NRR	Dyna-Gro	57.6	37.1	46.1	09/28	30	1
USG 7582nRR	USG	–	–	44.8	09/29	28	1
AG5905	Asgrow	37.4	40.0	44.3	09/28	31	1
DK XTJ705 (E)	Delta King	–	–	44.3	09/29	30	1
AG5903	Asgrow	55.3	35.7	44.1	09/28	32	1
Progeny 5806RR (E)	Progeny	–	–	43.6	09/29	30	1
DPX5914RR (E)	DPL	–	–	42.3	09/27	27	1
TV57R16	Terral	–	–	42.2	09/29	30	1
HBK R5924	Hornbeck	59.2	38.2	41.1	09/30	26	1
DG 5960RR	Delta Grow	57.6	32.4	41.0	09/29	27	1
AG5702	Asgrow	–	30.2	39.6	09/28	31	1
HBK R5825	Hornbeck	–	32.6	37.2	09/30	32	1
TV59R14	Terral	49.4	41.0	36.9	09/29	24	1
Overall mean		49.1	35.1	46.4			
LSD (.10)		8.4	6.9	8.5			
Error degrees of freedom		90	50	56			
CV (%)		12.5	14.3	13.4			
R <sup>2</sup> (%)		67	84	48			

<sup>1</sup>Collins silt loam soil. (E) = Experimental.**Table 47. Maturity Group IV Early Soybeans Late Planted on June 21, 2006, and Not Irrigated (DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004 <sup>2</sup>	2005 <sup>2</sup>	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
94M30	Pioneer	–	–	42.4	10/09	36	1
94B73	Pioneer	–	–	39.6	10/03	31	1
Progeny 4405RR	Progeny	–	–	37.6	10/08	29	1
DK 4667	Delta King	–	–	34.4	10/10	32	1
Overall mean		–	–	38.5			
LSD (.10)		–	–	5.0			
Error degrees of freedom		–	–	6			
CV (%)		–	–	8.2			
R <sup>2</sup> (%)		–	–	83			

<sup>1</sup>Collins silt loam soil. All are released varieties.<sup>2</sup>No 2- or 3-year yields.

**Table 48. Maturity Group IV Late Soybeans Late Planted on June 21, 2006, and Not Irrigated (DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004 <sup>2</sup>	2005 <sup>2</sup>	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
94M80	Pioneer	–	–	42.6	10/10	32	1
DK4967RR	Delta King	–	–	39.0	10/10	32	1
Progeny 4949RR	Progeny	–	–	37.6	10/10	35	1
Armor 47-G7	Armor	–	–	33.4	10/09	30	1
Overall mean		–	–	38.1			
LSD (.10)		–	–	8.4			
Error degrees of freedom		–	–	6			
CV (%)		–	–	13.9			
R <sup>2</sup> (%)		–	–	53			

<sup>1</sup>Collins silt loam soil. All are released varieties.  
<sup>2</sup>No 2- or 3-year yields.

**Table 49. Maturity Group V Early Soybeans Late Planted on June 21, 2006, and Not Irrigated (DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004 <sup>2</sup>	2005 <sup>2</sup>	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DP5414RR	DPL	–	–	52.4	10/17	43	1
DK 5366RR	Delta King	–	–	49.3	10/17	38	1
HBK R5620	Hornbeck	–	–	48.5	10/07	34	1
495.RC	Schillinger	–	–	46.2	10/09	37	1
Overall mean		–	–	49.1			
LSD (.10)		–	–	3.7			
Error degrees of freedom		–	–	6			
CV (%)		–	–	4.8			
R <sup>2</sup> (%)		–	–	76			

<sup>1</sup>Collins silt loam soil. All are released varieties.  
<sup>2</sup>No 2- or 3-year yields.

**Table 50. Maturity Group V Late Soybeans Late Planted on June 21, 2006, and Not Irrigated (DeSoto County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004 <sup>2</sup>	2005 <sup>2</sup>	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
95M80	Pioneer	–	–	47.4	10/17	38	1
DP5634RR	DPL	–	–	47.3	10/17	39	1
DP5915RR	DPL	–	–	45.5	10/17	39	1
AG5905	Asgrow	–	–	39.5	10/17	39	1
Overall mean		–	–	44.9			
LSD (.10)		–	–	7.1			
Error degrees of freedom		–	–	6			
CV (%)		–	–	9.9			
R <sup>2</sup> (%)		–	–	57			

<sup>1</sup>Collins silt loam soil. All are released varieties.  
<sup>2</sup>No 2- or 3-year yields.



# Location 4. Gibb Steele Farms, Longwood

## Location Summary

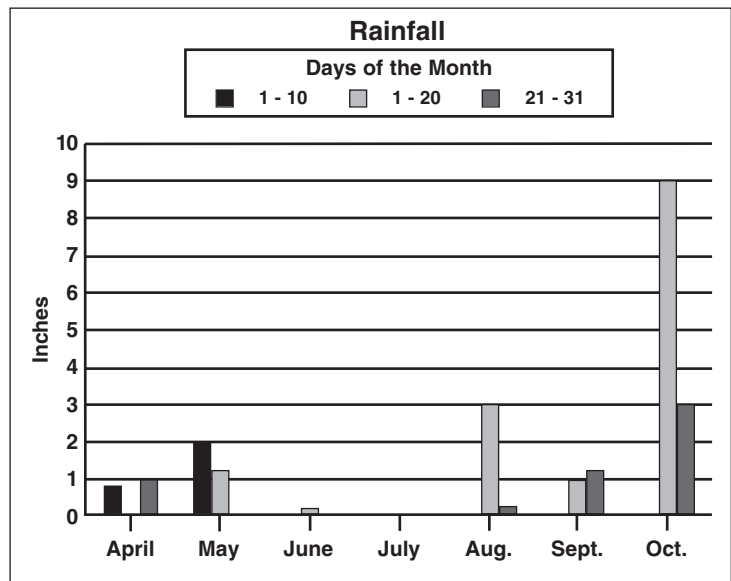
Soybeans were planted no-till into rice stubble and came up to a good stand. The growing season consisted of below-normal rainfall and above-normal temperatures. There was no rainfall recorded in the month of July. With

irrigation, soybean yields were good. Harvest of the Maturity Group IV soybeans was delayed by a late irrigation and rainfall. The Maturity Group V soybeans were harvested on time.

Soil type	Sharkey clay
Soil pH	7.4
Soil fertility	P=M+; K=M+
Fertilizer added	None
Herbicide application	Roundup Ready Test — Preemergence — Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 32 oz/A + Scepter @ 2.86 oz/A on 4-16-06 Postemergence — Roundup Weathermax @ 22 oz/A on 5-18-06 Postemergence — Roundup Weathermax @ 22 oz/A + Reflex 2 12 oz/A on 6-8-06 Lay-By — Roundup Weathermax @ 22 oz/A + Pursuit @ 1.44 oz/A on 6-30-06 Conventional Test — Preemergence — Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 32 oz/A + Scepter @ 2.86 oz/A on 4-16-06 Postemergence — Classic @ 0.75 oz/A + Select @ 10 oz/A on 5-18-06 Postemergence — Reflex @ 24 oz/A + Select @ 10 oz/A on 6-8-06 Lay-By — Classic @ 0.66 oz/A + First Rate @ 0.15 oz/A + Select @ 10 oz/A on 6-30-06
Fungicide	Quadris @ 4 oz/A on 7-18-06
Irrigation	June 9, June 23, July 8, July 22, August 4, August 27, and September 11
Planting date	April 14
Harvest date	Group IV Conventional and RR and Group V Conventional — September 29; Group V RR — October 5

## Rainfall Summary

	Inches
April	1.80
May	3.25
June	0.20
July	0
August	3.30
September	2.25
October	12.00
<b>Total</b>	<b>21.00</b>



**Table 51. Maturity Group IV Soybeans Planted April 14, 2006 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK C4926	Hornbeck	–	–	84.6	09/12	34	2
Stoddard	Public	49.9	63.3	82.1	09/14	17	1
UA4805	Public	–	59.4	69.2	09/09	16	1
DP4748S	DPL	51.8	56.3	49.6	09/01	26	1
Overall mean		48.9	61.7	71.4			
LSD (.10)		6.1	14.5	7.7			
Error degrees of freedom		14	10	6			
CV (%)		8.6	15.9	6.8			
R <sup>2</sup> (%)		78	69	94			

<sup>1</sup>Sharkey clay soil. All are released varieties.

**Table 52. Maturity Group V Early Soybeans Planted April 14, 2006 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
HBK C5025	Hornbeck	–	78.8	81.0	09/14	45	2
Jake	Public	–	72.0	77.4	09/15	20	1
DB01-5289 (E)	Public	–	–	73.4	09/17	21	1
USG 5002T	USG	50.8	68.4	71.9	09/11	20	1
DP5110S	DPL	56.8	78.2	68.9	09/04	36	2
DB01-7391 (E)	Public	–	–	65.1	09/13	18	1
USG 5601T	USG	40.6	72.3	64.1	09/18	18	1
Ozark	Public	44.1	61.4	57.2	09/15	21	1
Overall mean		48.8	69.4	69.9			
LSD (.10)		8.9	9.7	9.8			
Error degrees of freedom		28	18	13			
CV (%)		13.2	9.9	9.7			
R <sup>2</sup> (%)		67	75	70			

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

**Table 53. Maturity Group V Late Soybeans Planted April 14, 2006 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK 5870RR	Delta King	57.5	75.6	80.7	09/22	28	1
Freedom	Public	57.8	63.7	74.2	09/22	20	1
HBK C5894	Hornbeck	63.4	79.8	72.7	09/20	24	1
Overall mean		50.1	71.8	75.9			
LSD (.10)		9.1	7.6	9.0			
Error degrees of freedom		18	14	4			
CV (%)		12.8	7.4	6.8			
R <sup>2</sup> (%)		70	63	69			

<sup>1</sup>Sharkey clay soil. All are released varieties.

**Table 54. Roundup Ready Maturity Group IV Early Soybeans Planted April 14, 2006 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
8447NRR	Excel	–	–	74.7	09/09	23	1
DG 32R46	Dyna-Gro	–	–	71.0	09/01	22	1
DG 37F46	Dyna-Gro	–	–	70.4	09/05	29	2
DG4660RR	Delta Grow	–	71.4	69.6	09/03	34	3
USG 7466nRR	USG	–	76.9	69.2	09/05	36	3
DK 4667	Delta King	–	70.9	68.4	09/07	27	1
MorSoy RT 4665N	MorSoy	–	73.3	67.5	09/06	32	1
AG4703	Asgrow	–	70.0	65.9	09/02	21	1
HBK HX4524 (E)	Hornbeck	–	–	63.8	09/02	29	1
V47N6RR	Vigoro	–	73.7	63.6	09/10	34	1
AG4403	Asgrow	41.9	60.9	62.4	08/30	25	1
Progeny 4506RR (E)	Progeny	–	–	60.8	09/10	31	2
DK4661	Delta King	51.8	63.7	60.4	08/30	31	1
DKB46-51	DEKALB	46.5	63.9	60.0	08/30	25	1
DG 3443NRR	Dyna-Gro	42.1	64.5	59.6	09/04	19	1
NK XR4669 (E)	NK Brand	–	–	59.4	09/12	29	1
RC 4655	Croplan Genetics	–	57.4	59.4	09/09	32	2
Progeny 4401RR	Progeny	43.7	61.4	58.7	08/26	29	1
USG 7440nRR	USG	43.6	63.7	58.5	08/24	28	1
TV46R15	Terral	52.4	61.8	58.3	09/03	28	2
DP4546RR	DPL	43.1	65.7	57.5	08/22	23	1
AG4404	Asgrow	–	57.4	57.1	08/18	20	1
DK XTJ701 (E)	Delta King	–	–	57.0	09/03	26	1
DK 4461RR	Delta King	47.3	60.9	56.6	08/30	25	1
06-4361RR (E)	DPL	–	–	55.7	09/03	23	1
DK 4567	Delta King	–	–	54.5	09/02	23	1
Progeny 4405RR	Progeny	–	57.4	54.3	08/24	29	2
06-4450RR (E)	DPL	–	–	54.1	08/25	24	1
XG43 (E)	AgVenture	–	–	53.9	09/01	29	2
RC 4455	Croplan Genetics	–	64.7	53.8	08/24	30	1
Armor GP 422	Armor	–	53.6	53.6	08/23	21	1
Armor GP-454	Armor	–	72.3	53.3	08/24	28	2
HBK R3824	Hornbeck	–	55.2	53.0	08/22	27	1
Progeny 4406RR (E)	Progeny	–	–	52.8	08/24	27	1
V44N6RR	Vigoro	–	58.3	52.6	08/24	25	1
Progeny 4206RR (E)	Progeny	–	–	52.5	08/31	28	1
DKB40-51	DEKALB	–	–	52.4	08/22	22	1
MorSoy RT 4485N	MorSoy	–	60.4	52.4	08/29	25	1
DG 37A44	Dyna-Gro	–	61.8	52.1	08/30	27	1
RC 4233	Croplan Genetics	–	–	52.1	08/21	23	1
DP4331RR	DPL	37.6	61.8	52.1	08/24	25	1
HBK R4623	Hornbeck	40.6	58.1	51.3	08/26	23	1
MorSoy RT 4480	MorSoy	–	66.8	51.1	08/30	22	1
94M50	Pioneer	–	–	50.1	08/22	22	1
94M31	Pioneer	–	–	49.1	08/15	22	1
DG 35B40	Dyna-Gro	–	61.1	48.8	08/26	19	1
RC 4432	Croplan Genetics	–	–	48.8	08/22	30	1
AV 44D4	AgVenture	–	59.9	48.5	08/25	29	1
DG4150RR	Delta Grow	–	61.1	48.4	08/26	26	1
DG4460RR	Delta Grow	–	57.9	48.0	08/27	27	1
TVX44R270 (E)	Terral	–	–	47.9	08/21	29	2
AV46J5NRR	AgVenture	44.6	58.5	47.8	09/04	23	1
DG 3463NRR	Dyna-Gro	34.8	48.9	47.0	08/20	29	1
S03-058RR (E)	Public	–	–	46.5	08/21	31	1
USG 74T35	USG	–	–	46.3	08/22	23	1
NK S43-B1	NK Brand	41.6	62.9	46.2	08/26	23	1
TV45R14	Terral	47.5	61.3	45.8	08/23	27	1
DP4112RR/S	DPL	–	–	44.8	08/26	21	1
Progeny 4216RR (E)	Progeny	–	–	41.3	08/14	29	1
USG 74C36	USG	–	–	41.3	08/20	20	1
AG4103	Asgrow	–	–	36.3	08/21	19	1
8448NRR	Excel	–	–	36.3	08/13	23	1
S03-051RR (E)	Public	–	–	34.3	08/20	27	1
Overall mean		43.5	62.8	54.3			
LSD (.10)		6.6	7.0	7.5			
Error degrees of freedom		96	132	124			
CV (%)		11.1	8.2	10.2			
R <sup>2</sup> (%)		71	70	82			

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

**Table 55. Roundup Ready Maturity Group IV Late Soybeans Planted April 14, 2006 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
DK XTJ702 (E)	Delta King	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	09/19	<i>in</i>	1
DK4866	Delta King	46.5	81.3	83.4	09/19	22	1
Progeny 4606RR (E)	Progeny	—	—	81.7	09/01	26	1
DK XTJ750 (E)	Delta King	—	—	80.1	09/21	30	1
Progeny 4716RR (E)	Progeny	—	—	77.3	09/10	23	1
DG 37P49	Dyna-Gro	—	—	77.1	09/12	29	1
Progeny 4906RR (E)	Progeny	—	—	75.0	09/08	25	1
DP4724RR	DPL	52.9	65.9	74.6	09/02	30	2
USG 747R6	USG	—	67.9	74.4	09/12	29	1
DG 3481NRR	Dyna-Gro	48.3	66.9	74.3	08/29	26	1
AG4903	Asgrow	57.5	71.3	74.3	09/09	24	1
TVX47R017 (E)	Terral	—	74.2	74.3	09/15	36	1
DG 35Z49	Dyna-Gro	—	72.1	73.8	09/11	31	1
MorSoy RT 4955	MorSoy	—	70.9	73.8	09/21	26	1
AG4703	Asgrow	—	66.4	73.6	08/31	23	1
MorSoy RT 4914	MorSoy	—	71.6	73.3	09/21	27	2
AV49J7NRR	AgVenture	47.9	70.6	73.1	09/11	23	1
DG 4860RR	Delta Grow	45.4	65.1	72.8	08/30	27	1
MorSoy RT 4706N (E)	MorSoy	—	—	72.4	09/05	20	1
Progeny 4805RR	Progeny	—	74.6	72.4	09/10	26	1
AV 50D2NRR	AgVenture	—	72.3	72.3	09/15	25	1
USG 7494nRR	USG	50.8	70.4	72.0	09/13	25	1
MorSoy RT 4755N (E)	MorSoy	—	—	71.7	09/04	26	1
DG 36Y48	Dyna-Gro	—	72.4	71.7	09/16	26	1
DG 36M49	Dyna-Gro	48.9	72.2	71.6	09/12	23	2
495.RC	Schillinger	51.9	69.8	71.5	09/13	27	1
DK4967RR	Delta King	43.6	67.0	71.2	09/04	25	1
Armor GP-490	Armor	—	—	71.1	09/08	26	1
DK 4968	Delta King	—	—	70.9	09/05	29	1
NK S49-Q9	NK Brand	40.6	74.2	70.7	09/13	26	1
Progeny 4706RR (E)	Progeny	—	—	70.7	08/27	26	2
49D6	AgVenture	—	—	70.6	09/25	32	1
DPX9202RR/S (E)	DPL	—	—	70.5	09/06	27	1
DG4975LARR	Delta Grow	—	—	70.5	09/13	29	1
4782-4	Stine	—	—	70.4	09/06	20	1
TVX49R017 (E)	Terral	—	75.0	70.4	09/24	36	3
Progeny 4804RR	Progeny	47.4	63.9	70.0	09/12	23	2
TVX49R270 (E)	Terral	—	—	69.9	09/17	25	2
MorSoy RT 4993	MorSoy	44.9	68.5	69.9	09/17	24	3
FFR 4955RR	FFR	—	—	69.8	09/30	30	1
DPX4888RR/S (E)	DPL	—	—	69.8	09/03	27	1
FFR 4886RR	FFR	—	—	69.2	09/19	29	1
Progeny 4949RR	Progeny	47.7	74.5	68.8	09/13	28	1
USG 74T85	USG	—	—	68.2	09/09	28	1
4955RR	Croplan Genetics	—	—	67.8	09/26	32	1
HBK R4924	Hornbeck	51.2	75.8	67.3	09/07	26	1
DG 4970RR	Delta Grow	55.7	66.6	67.3	09/12	29	2
V49N6RR	Vigoro	—	71.0	67.0	09/17	28	2
DG 4840RR	Delta Grow	47.4	70.0	66.7	09/12	26	1
MorSoy RT 4802	MorSoy	52.2	65.4	66.5	08/30	26	1
RC 4842	Croplan Genetics	—	—	66.1	08/31	27	1
MorSoy RT 4806N (E)	MorSoy	—	—	65.7	08/28	23	1
8481NRR	Excel	—	—	65.3	09/02	29	2
DP4919RR/S	DPL	—	—	65.0	09/03	27	1
DK 4763RR	Delta King	42.6	64.3	64.9	09/05	19	1
Armor GP-488	Armor	—	69.7	64.8	09/10	27	1
HBK HX4843 (E)	Hornbeck	—	—	63.8	08/30	27	2
DG 4960RR	Delta Grow	35.5	67.8	63.6	09/09	21	1
TV49R12	Terral	47.3	65.2	63.0	09/07	32	2
94B73	Pioneer	47.7	69.0	62.9	08/24	27	1
94M80	Pioneer	—	56.5	62.4	08/26	27	1
S03-007RR (E)	Public	—	—	61.9	09/05	29	2
XG47A (E)	AgVenture	—	—	61.8	09/21	26	2
8493NRR	Excel	—	—	61.4	09/12	32	1
NK XR4967 (E)	NK Brand	—	—	61.4	09/23	30	1
TV48R14	Terral	45.9	74.1	60.2	09/13	31	1
DPX9391RR (E)	DPL	—	—	60.0	09/06	26	1
DK XTJ747 (E)	Delta King	—	—	59.1	08/29	22	1
DG4770RR	Delta Grow	—	—	58.5	08/25	26	1
DK 4764	Delta King	—	—	53.7	09/01	23	1
HBK R4724	Hornbeck	40.6	70.5	52.8	09/03	21	1
Overall mean		45.3	69.9	69.2			
LSD (.10)		7.1	6.7	8.9			
Error degrees of freedom		141	156	140			
CV (%)		11.6	7.1	9.5			
R <sup>2</sup> (%)		70	68	71			

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

**Table 56. Roundup Ready Maturity Group V Early Soybeans Planted April 14, 2006 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Armor ACX-5510 (E)	Armor	—	—	80.6	09/27	27	1
AGS 568RR	AgSouth	—	—	79.3	09/17	22	1
TV55R15	Terral	59.2	74.3	78.5	09/20	26	1
FFR 5663RR	FFR	67.3	69.6	77.7	09/17	21	1
DK 5368	Delta King	—	—	76.9	09/11	21	1
DK XTJ704 (E)	Delta King	—	—	76.8	09/25	30	1
FFR 5116RR	FFR	—	—	76.5	09/13	23	1
DK 5161RR	Delta King	61.8	63.0	76.0	09/13	19	1
MPG 7552nRR	M-Pride	—	—	75.5	09/10	29	1
DG 34J56	Dyna-Gro	—	—	75.1	09/20	23	1
DK 52K6	Delta King	—	—	74.5	09/20	21	1
V50N7RS	Vigoro	—	—	74.3	09/14	28	1
DK 5366RR	Delta King	53.7	75.3	74.1	09/25	25	1
95M50	Pioneer	—	70.9	74.1	09/21	20	1
Progeny 5650RR	Progeny	—	69.6	73.8	09/28	25	1
Armor GP 555	Armor	—	65.2	73.6	09/21	21	1
MPG 7453nRR	M-Pride	—	—	72.8	09/12	24	1
NK S56-D7	NK Brand	59.5	62.1	72.4	09/16	23	1
8520NRR	Excel	—	—	72.4	09/13	20	1
Armor GP 513	Armor	55.1	74.4	72.2	09/14	21	1
HBK R5226	Hornbeck	—	—	72.0	09/16	20	1
DG5160RR	Delta Grow	—	70.5	71.8	09/11	28	1
DG 33X55	Dyna-Gro	—	72.3	71.8	09/28	19	1
AG5501	Asgrow	52.4	65.9	71.4	09/27	26	1
DP5634RR	DPL	64.5	69.7	71.0	09/18	26	1
HBK R5525	Hornbeck	—	67.1	70.8	09/18	17	1
TV52R14	Terral	48.0	70.9	70.7	09/19	24	1
TVX51R17 (E)	Terral	—	78.1	69.7	09/22	31	1
AG5702	Asgrow	—	76.7	69.6	09/21	26	1
NK XR5068 (E)	NK Brand	—	—	69.4	09/11	31	1
DG 32A53	Dyna-Gro	—	—	69.2	09/12	20	1
DK 5066RR	Delta King	—	72.7	69.0	09/12	27	1
ESXVT-16 (E)	Eagle Seed	—	—	68.8	09/22	19	1
USG 7505nRR	USG	—	58.3	68.7	09/19	30	1
95M30	Pioneer	—	—	68.7	09/18	25	1
MorSoy RT 5306N (E)	MorSoy	—	—	68.6	09/15	24	1
MPG 7450nRR	M-Pride	—	—	68.5	09/11	28	1
Progeny 5622RR	Progeny	47.8	66.7	68.1	10/01	21	1
DG5300RR	Delta Grow	—	—	67.6	09/13	25	1
DG 33B52	Dyna-Gro	58.5	73.3	67.6	09/20	18	1
V51N7RS	Vigoro	—	—	67.6	09/16	23	1
5142-4	Stine	—	66.9	67.4	09/12	29	2
ESXVT-155 (E)	Eagle Seed	—	—	67.0	09/09	20	1
DP 5115RR/S	DPL	—	70.2	67.0	09/12	29	1
ESXVT-518 (E)	Eagle Seed	—	—	66.9	09/25	43	2
ESXVT-110RR (E)	Eagle Seed	—	56.2	66.9	09/25	22	1
DP5414RR	DPL	50.7	70.3	66.9	09/22	25	1
Progeny 5115RR	Progeny	—	73.5	66.8	09/29	31	1
XG51B (E)	AgVenture	—	—	66.4	09/09	20	1
DG 5630RR	Delta Grow	51.3	69.0	66.3	09/23	20	1
USG 7515nRS	USG	—	72.6	66.3	09/16	28	1
DK55T6RR	Delta King	44.5	68.0	66.0	09/23	24	1
S03-328RR (E)	Public	—	—	65.9	09/12	24	1
ESXVT-111 (E)	Eagle Seed	—	—	65.7	09/20	19	1
XG56 (E)	AgVenture	—	—	65.6	09/09	22	1
DG 3535NRR	Dyna-Gro	43.9	73.0	65.4	10/07	24	1
DG 5650RR	Delta Grow	47.2	72.4	65.3	09/22	23	1
USG 7553nRS	USG	50.6	61.0	65.2	09/20	22	1
51G1 (E)	AgVenture	—	—	64.8	09/20	17	1
DK 5567RR	Delta King	58.7	64.2	64.8	09/22	20	1
Progeny 5260RR (E)	Progeny	—	—	64.6	09/13	25	1
8512NRR	Excel	—	—	64.5	09/29	30	1
NK XR5263 (E)	NK Brand	—	—	64.5	09/10	22	1
MorSoy RT 5506N (E)	MorSoy	—	—	64.3	09/12	18	1
TVX53R027 (E)	Terral	—	—	64.2	09/16	21	1
NK XR5563 (E)	NK Brand	—	—	63.9	09/22	23	1

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

**Table 56 (cont.). Roundup Ready Maturity Group V Early Soybeans Planted April 14, 2006 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
Progeny 5205RR	Progeny	–	67.8	63.7	09/28	30	1
DK XTJ703 (E)	Delta King	–	–	63.5	09/01	28	1
AV 54D4	AgVenture	–	66.9	63.2	09/28	42	2
NK XR5168 (E)	NK Brand	–	–	63.0	09/12	24	1
MorSoy RT 5206N (E)	MorSoy	–	–	63.0	09/21	24	1
XG55B (E)	AgVenture	–	–	62.6	09/16	19	1
NK S53-A1	NK Brand	–	–	62.5	09/14	20	1
DPX5520RR/S (E)	DPL	–	–	62.2	09/14	24	1
DG5470RR	Delta Grow	–	–	62.2	10/01	28	1
RC 5003	Croplan Genetics	–	–	61.4	09/09	21	1
Progeny 5406RR (E)	Progeny	–	–	61.3	09/18	24	1
HBK R5425	Hornbeck	–	70.1	60.1	10/02	41	2
55109 (E)	Schillinger	–	–	59.5	09/21	22	1
S03-383 (E)	Public	–	65.7	59.1	10/04	31	1
MPG 7554nRR	M-Pride	–	–	59.1	10/01	27	1
TVX53R017 (E)	Terral	–	–	59.0	09/15	21	1
ESXVT-173 (E)	Eagle Seed	–	–	57.1	09/30	35	4
TVX53R037 (E)	Terral	–	–	55.4	09/23	26	1
ESXVT-675 (E)	Eagle Seed	–	–	54.8	10/01	36	2
DG 5260RR	Delta Grow	49.6	70.0	53.3	09/14	22	1
ESXVT-78 (E)	Eagle Seed	–	–	51.8	09/22	33	3
Overall mean		50.6	67.0	67.5			
LSD (.10)		6.7	7.2	7.6			
Error degrees of freedom		156	158	172			
CV (%)		9.8	7.9	8.3			
R <sup>2</sup> (%)		74	61	70			

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

**Table 57. Roundup Ready Maturity Group V Late Soybeans Planted April 14, 2006 (Gibb Steele Farms, Washington County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
DP 5808RR	DPL	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	09/21	<i>in</i>	1
TV59R16	Terral	–	–	77.6	09/18	25	1
DG 36N57	Dyna-Gro	66.2	70.0	75.7	09/17	20	1
AV 57D7RR	AgVenture	64.8	68.1	74.7	09/14	21	1
Progeny 5706RR (E)	Progeny	–	–	74.5	09/25	24	1
TV57R16	Terral	–	–	73.5	09/19	24	1
HBK R5924	Hornbeck	56.7	66.2	73.3	09/29	27	1
HBK R5825	Hornbeck	–	69.3	70.3	09/24	24	1
AG5905	Asgrow	52.8	66.4	69.3	09/22	22	1
DG 36T60	Dyna-Gro	–	–	69.2	09/23	23	1
95M80	Pioneer	56.4	65.5	69.1	09/21	21	1
DG5830RR	Delta Grow	–	66.9	68.3	09/27	25	1
TV57R14	Terral	48.0	68.1	68.1	09/18	20	1
DG 3583NRR	Dyna-Gro	49.8	64.3	67.8	09/24	18	1
DK XTJ706 (E)	Delta King	–	–	67.6	09/11	21	1
AG5903	Asgrow	56.5	65.8	67.5	09/18	20	1
Progeny 5806RR (E)	Progeny	–	–	67.5	09/27	23	1
DPX5914RR (E)	DPL	–	–	66.7	09/18	26	1
USG 7582nRR	USG	–	–	65.6	09/21	23	1
DP5915RR	DPL	57.4	67.0	65.4	09/27	21	1
DG 38K57	Dyna-Gro	39.8	68.9	65.1	09/22	23	1
TV59R14	Terral	49.9	72.9	64.8	09/20	22	1
NK XR6062 (E)	NK Brand	–	–	64.8	09/21	23	1
DK XTJ705 (E)	Delta King	–	–	64.5	09/24	24	1
DG 3600	Dyna-Gro	–	68.8	64.2	09/22	24	1
NK XR5862 (E)	NK Brand	–	–	63.4	09/18	25	1
NK XR5964 (E)	NK Brand	–	–	62.2	09/19	19	1
AG5702	Asgrow	–	76.4	60.0	09/22	22	1
DG 5960RR	Delta Grow	53.7	71.1	55.5	09/23	16	1
Overall mean		53.5	67.9	68.2			
LSD (.10)		5.0	7.0	6.1			
Error degrees of freedom		90	50	56			
CV (%)		6.9	7.5	6.5			
R <sup>2</sup> (%)		86	47	71			

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



# Location 6. Ballground Plantation, Warren County

## Location Summary

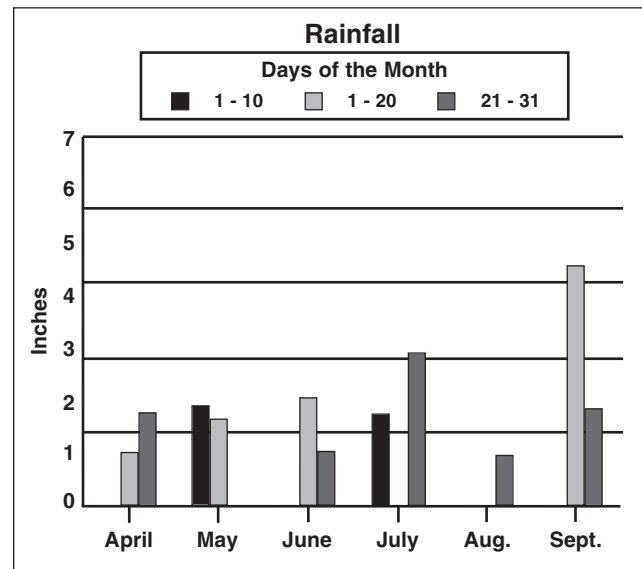
After the plot area was disked and do-alled, soybeans were planted into good soil moisture and emerged to a good stand. Although the growing season was warmer

and drier than normal, timely rainfall produced good yields. There was some delay, due to rainfall, in harvesting.

Soil type	Loring silt loam
Soil pH	6.5
Soil fertility	P=M; K=M
Fertilizer added	None
Herbicide application	Preemergence — Dual II Magnum @ 24 oz/A on 4-11-06 Postemergence — Roundup Weathermax @ 22 oz/A on 5-16-06 and 6-6-06 Lay-By — Sequence @ 3 pt/A on 6-16-06
Insecticide application	None
Planting date	April 11
Harvest date	Group IV E — August 14; Group IV L — August 28; Group V — October 12

## Rainfall Summary

	Inches
April	2.10
May	2.60
June	2.20
July	4.4
August	0.60
September	5.7
<b>Total</b>	<b>17.60</b>



**Table 58. Roundup Ready Maturity Group IV Early Soybeans Planted April 11, 2006 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
USG 7466nRR	USG	–	53.5	45.3	08/10	31	1
DG 37F46	Dyna-Gro	–	–	45.1	08/10	35	1
DK 4667	Delta King	–	61.1	44.5	08/10	33	1
DG4660RR	Delta Grow	–	64.2	43.1	08/10	29	1
MorSoy RT 4665N	MorSoy	–	60.7	42.3	08/10	34	1
V47N6RR	Vigoro	–	58.6	42.1	08/10	34	1
USG 74C36	USG	–	–	41.8	08/10	27	1
TV45R14	Terral	56.5	58.6	41.3	08/10	29	1
8447NRR	Excel	–	–	41.1	08/10	31	1
USG 7440nRR	USG	50.5	61.0	40.9	08/10	20	1
HBK HX4524 (E)	Hornbeck	–	–	40.9	08/10	37	1
S03-058RR (E)	Public	–	–	40.8	08/10	32	1
NK XR4669 (E)	NK Brand	–	–	40.2	08/10	28	1
AV 44D4	AgVenture	–	57.0	40.0	08/10	33	1
DG 32R46	Dyna-Gro	–	–	39.9	08/10	22	1
DK 4461RR	Delta King	60.1	61.8	39.7	08/10	30	1
Progeny 4406RR (E)	Progeny	–	–	39.2	08/10	28	1
V44N6RR	Vigoro	–	62.7	39.1	08/10	33	1
DK4661	Delta King	57.9	57.9	38.9	08/10	29	1
DG 37A44	Dyna Gro	–	66.6	38.7	08/10	31	1
DG 3443NRR	Dyna-Gro	49.5	61.8	38.6	08/10	27	1
TV46R15	Terral	54.3	55.6	38.3	08/10	30	1
06-4450RR (E)	DPL	–	–	38.1	08/10	33	1
Progeny 4206RR (E)	Progeny	–	–	37.8	08/10	25	1
MorSoy RT 4480	MorSoy	–	69.6	37.5	08/10	30	1
TVX44R270 (E)	Terral	–	–	37.5	08/10	27	1
MorSoy RT 4485N	MorSoy	–	51.6	37.4	08/10	26	1
DP4546RR	DPL	52.0	70.0	37.4	08/10	30	1
Armor GP 422	Armor	–	58.9	36.9	08/10	23	1
Armor GP-454	Armor	–	69.8	36.8	08/10	31	1
HBK R3824	Hornbeck	–	62.2	36.7	08/10	24	1
DP4112RR/S	DPL	–	–	36.5	08/10	28	1
RC 4455	Croplan Genetics	–	59.2	35.8	08/10	29	1
AG4403	Asgrow	54.9	61.9	35.7	08/10	25	1
DG 35B40	Dyna-Gro	–	59.8	35.5	08/10	26	1
DG4460RR	Delta Grow	–	72.4	35.4	08/10	28	1
RC 4655	Croplan Genetics	–	58.5	35.3	08/10	30	1
Progeny 4405RR	Progeny	–	61.0	35.0	08/10	28	1
DP4331RR	DPL	55.4	66.9	35.0	08/10	27	1
XG43 (E)	AgVenture	–	–	34.9	08/10	31	1
RC 4432	Croplan Genetics	–	–	34.7	08/10	29	1
DK XTJ701 (E)	Delta King	–	–	34.7	08/10	24	1
Progeny 4401RR	Progeny	55.6	67.7	34.5	08/10	29	1
HBK R4623	Hornbeck	55.2	53.7	33.8	08/10	27	1
RC 4233	Croplan Genetics	–	–	33.4	08/10	21	1
AG4103	Asgrow	–	–	33.2	08/10	23	1
Progeny 4506RR (E)	Progeny	–	–	33.1	08/10	30	1
S03-051RR (E)	Public	–	–	32.9	08/10	24	1
AV46J5NRR	AgVenture	55.2	55.4	32.3	08/10	25	1
DK 4567	Delta King	–	–	32.0	08/10	23	1
Progeny 4216RR (E)	Progeny	–	–	31.9	08/10	29	1
NK S43-B1	NK Brand	52.1	51.6	31.5	08/10	22	1
DG4150RR	Delta Grow	–	60.8	31.3	08/10	23	1
8448NRR	Excel	–	–	30.9	08/10	22	1
AG4703	Asgrow	–	66.5	30.7	08/10	18	1
94M31	Pioneer	–	–	30.1	08/10	21	1
AG4404	Asgrow	–	53.9	29.7	08/10	21	1
06-4361RR (E)	DPL	–	–	29.0	08/10	20	1
USG 74T35	USG	–	–	28.1	08/10	17	1
DKB40-51	DEKALB	–	–	27.1	08/10	25	1
94M50	Pioneer	–	–	26.4	08/10	15	1
DG 3463NRR	Dyna-Gro	53.8	53.3	25.5	08/10	24	1
DKB46-51	DEKALB	59.2	59.3	24.5	08/10	16	1
Overall mean		54.0	57.4	36.0			
LSD (.10)		8.3	8.7	7.3			
Error degrees of freedom		98	132	124			
CV (%)		11.3	11.2	15.1			
R <sup>2</sup> (%)		46	67	55			

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

**Table 59. Roundup Ready Maturity Group IV Late Soybeans Planted April 11, 2006 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DPX4888RR/S (E)	DPL	—	—	57.5	08/15	26	1
DG4975LARR	Delta Grow	—	—	49.2	08/20	27	1
USG 747R6	USG	—	59.2	48.5	08/18	25	1
Armor GP-490	Armor	—	—	48.2	08/15	25	1
Progeny 4949RR	Progeny	58.5	60.2	47.7	08/20	27	1
Progeny 4906RR (E)	Progeny	—	—	47.2	08/18	26	1
DG4770RR	Delta Grow	—	—	47.0	08/15	25	1
DK XTJ750 (E)	Delta King	—	—	46.9	08/21	31	1
DG 4860RR	Delta Grow	62.1	52.4	46.5	08/18	26	1
495.RC	Schillinger	65.4	68.4	46.5	08/20	23	1
DG 36Y48	Dyna-Gro	—	67.4	46.4	08/18	28	1
USG 7494nRR	USG	56.3	58.8	46.4	08/15	28	1
Progeny 4804RR	Progeny	55.1	56.4	46.3	08/20	25	1
MorSoy RT 4706N (E)	MorSoy	—	—	45.7	08/20	20	1
HBK HX4843 (E)	Hornbeck	—	—	45.7	08/15	35	1
DPX9202RR/S (E)	DPL	—	—	45.5	08/15	23	1
MorSoy RT 4993	MorSoy	53.0	54.1	45.3	08/22	29	1
RC 4842	Croplan Genetics	—	—	45.2	08/18	25	1
DPX9391RR (E)	DPL	—	—	44.9	08/15	23	1
4782-4	Stine	—	—	44.9	08/18	20	1
AG4903	Asgrow	63.0	56.1	44.6	08/20	27	1
Progeny 4606RR (E)	Progeny	—	—	44.3	08/15	21	1
Progeny 4706RR (E)	Progeny	—	—	43.7	08/15	23	1
AG4703	Asgrow	—	54.2	43.2	08/18	21	1
MorSoy RT 4914N	MorSoy	—	58.7	42.6	08/22	25	1
DG 37P49	Dyna-Gro	—	—	41.8	08/21	31	1
S03-007RR (E)	Public	—	—	41.6	08/18	29	1
DK4967RR	Delta King	51.2	53.9	41.6	08/15	24	1
DG 36M49	Dyna-Gro	61.2	67.9	41.3	08/15	24	1
MorSoy RT 4802	MorSoy	61.2	53.6	41.3	08/18	28	1
94M80	Pioneer	—	60.3	41.1	08/15	32	1
Armor GP-488	Armor	—	51.3	41.0	08/18	28	1
AV 50D2NRR	AgVenture	—	57.9	41.0	08/18	27	1
DP4919RR/S	DPL	—	—	40.8	08/15	28	1
USG 74T85	USG	—	—	40.4	08/18	28	1
TV48R14	Terral	57.2	64.9	40.4	08/21	22	1
AV49J7NRR	AgVenture	56.0	60.4	40.0	08/18	20	1
Progeny 4805RR	Progeny	—	68.6	39.9	08/21	26	1
94B73	Pioneer	49.9	49.7	39.7	08/15	25	1
DP4724RR	DPL	57.6	58.2	39.7	08/15	21	1
DG 35Z49	Dyna-Gro	—	73.0	39.6	08/21	32	1
DG 3481NRR	Dyna-Gro	55.0	54.1	39.2	08/12	26	1
FFR 4886RR	FFR	—	—	38.8	08/21	26	1
DK 4968	Delta King	—	—	38.4	08/22	19	1
DG 4970RR	Delta Grow	59.4	65.4	38.3	08/18	26	1
Progeny 4716RR (E)	Progeny	—	—	38.2	08/20	24	1
V49N6RR	Vigoro	—	60.3	38.1	08/21	29	1
HBK R4924	Hornbeck	52.3	69.2	37.8	08/20	28	1
DK XTJ702 (E)	Delta King	—	—	37.8	08/18	21	1
8493NRR	Excel	—	—	37.6	08/18	29	1
DG 4960RR	Delta Grow	56.5	68.7	36.9	08/21	21	1
MorSoy RT 4955N	MorSoy	—	61.6	36.4	08/22	27	1
TVX49R270 (E)	Terral	—	—	36.2	08/15	23	1
MorSoy RT 4806N (E)	MorSoy	—	—	36.0	08/12	23	1
TV49R12	Terral	53.4	63.1	35.9	08/21	31	1
TVX47R017 (E)	Terral	—	68.7	35.8	08/21	34	1
DK 4764	Delta King	—	—	35.8	08/12	30	1
MorSoy RT 4755N (E)	MorSoy	—	—	35.6	08/20	31	1
XG47A (E)	AgVenture	—	—	34.5	08/21	22	1
49D6	AgVenture	—	—	34.2	08/21	30	1
NK S49-Q9	NK Brand	55.3	63.5	34.2	08/21	28	1
HBK R4724	Hornbeck	58.6	59.1	33.9	08/12	21	1
DK 4763RR	Delta King	50.9	52.6	33.4	08/15	23	1
DK4866	Delta King	54.3	66.1	31.9	08/15	23	1
DG 4840RR	Delta Grow	59.9	69.4	30.0	08/20	24	1
TVX49R017 (E)	Terral	—	65.6	29.8	08/21	29	1
8481NRR	Excel	—	—	28.0	08/21	31	1
NK XR4967 (E)	NK Brand	—	—	26.7	08/21	28	1
DK XTJ747 (E)	Delta King	—	—	26.0	08/15	23	1
4955RR	Croplan Genetics	—	—	23.5	08/18	28	1
FFR 4955RR	FFR	—	—	23.5	08/21	29	1
Overall mean		53.5	60.5	39.9			
LSD (.10)		10.3	9.9	10.3			
Error degrees of freedom		148	156	140			
CV (%)		14.3	12.1	19.1			
R <sup>2</sup> (%)		57	61	52			

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

**Table 60. Roundup Ready Maturity Group V Early Soybeans Planted April 11, 2006 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
ESXVT-155 (E)	Eagle Seed	–	–	49.8	08/31	23	1
TV55R15	Terral	49.6	56.0	45.2	09/29	25	1
DK XTJ704 (E)	Delta King	–	–	44.6	08/31	36	1
DG 32A53	Dyna-Gro	–	–	44.2	09/08	26	1
DG 33B52	Dyna-Gro	53.3	46.6	43.6	09/08	25	1
DG5300RR	Delta Grow	–	–	42.0	08/31	25	1
TV52R14	Terral	50.8	51.2	41.9	09/08	30	1
RT 5506N (E)	MorSoy	–	–	41.9	09/08	27	1
DK 5368	Delta King	–	–	41.7	09/15	19	1
DK 5066RR	Delta King	–	51.0	41.3	08/31	26	1
DG 33X55	Dyna-Gro	–	58.4	40.8	09/08	28	1
V50N7RS	Vigoro	–	–	40.6	08/25	30	1
XG55B (E)	AgVenture	–	–	40.5	09/29	28	1
USG 7515nRS	USG	–	57.1	40.4	08/25	29	1
FFR 5116RR	FFR	–	–	40.0	08/31	23	1
Progeny 5406RR (E)	Progeny	–	–	39.7	09/08	23	1
DG5160RR	Delta Grow	–	56.6	39.4	08/31	35	1
Progeny 5260RR (E)	Progeny	–	–	38.6	09/15	20	1
NK S53-A1	NK Brand	–	–	38.5	09/15	25	1
DK 5161RR	Delta King	43.8	49.8	38.5	09/15	25	1
XG51B (E)	AgVenture	–	–	38.4	09/15	19	1
NK XR5068 (E)	NK Brand	–	–	38.2	08/31	38	1
Armor GP 513	Armor	43.1	53.2	37.9	09/08	22	1
NK XR5263 (E)	NK Brand	–	–	37.6	09/08	21	1
8520NRR	Excel	–	–	37.5	09/08	19	1
DP5414RR	DPL	48.2	55.6	37.0	09/29	35	1
AGS 568RR	AgSouth	–	–	36.8	09/29	23	1
USG 7553nRS	USG	47.8	49.0	36.7	08/25	18	1
ESXVT-16 (E)	Eagle Seed	–	–	36.1	09/29	20	1
RT 5206N (E)	MorSoy	–	–	36.0	09/08	31	1
55109 (E)	Schillinger	–	–	35.9	09/29	20	1
RC 5003	Croplan Genetics	–	–	35.3	09/08	21	1
FFR 5663RR	FFR	46.3	59.2	35.1	09/29	17	1
HBK R5226	Hornbeck	–	–	35.0	09/15	24	1
TVX53R027 (E)	Terral	–	–	34.4	09/15	24	1
51G1 (E)	AgVenture	–	–	34.4	09/08	27	1
MPG 7552nRR	M-Pride	–	–	34.3	09/08	26	1
Progeny 5115RR	Progeny	–	53.9	34.3	08/31	34	1
AG5501	Asgrow	39.1	50.7	33.8	09/29	22	1
V51N7RS	Vigoro	–	–	33.7	08/31	25	1
DG5470RR	Delta Grow	–	–	33.7	09/08	35	1
DK XTJ703 (E)	Delta King	–	–	33.7	08/31	25	1
ESXVT-518 (E)	Eagle Seed	–	–	33.4	09/08	43	1
NK XR5168 (E)	NK Brand	–	–	33.2	09/15	27	1
ESXVT-111 (E)	Eagle Seed	–	–	33.0	09/29	21	1
DP5634RR	DPL	44.8	56.1	33.0	09/29	22	1
DG 34J56	Dyna-Gro	–	–	32.9	09/15	29	1
95M30	Pioneer	–	–	32.3	09/29	24	1
5142-4	Stine	–	50.3	32.2	09/08	26	1
DG 5650RR	Delta Grow	44.7	58.1	32.1	09/29	18	1
DK 52K6	Delta King	–	–	32.1	09/15	23	1
TVX53R037 (E)	Terral	–	–	32.0	09/08	22	1
USG 7505nRR	USG	–	45.9	31.9	08/31	38	1
RT 5306N (E)	MorSoy	–	–	31.7	09/08	28	1
AG5702	Asgrow	–	49.8	31.3	09/08	22	1
S03-383 (E)	Public	–	50.3	31.0	09/08	33	1
HBK R5525	Hornbeck	–	55.6	30.9	09/15	24	1
XG56 (E)	AgVenture	–	–	30.9	08/31	18	1
MPG 7554nRR	M-Pride	–	–	30.2	09/15	28	1
8512NRR	Excel	–	–	30.1	09/08	32	1
95M50	Pioneer	–	57.4	30.0	09/08	25	1
DK 5567RR	Delta King	39.4	44.0	29.5	08/08	16	1
TVX53R017 (E)	Terral	–	–	29.4	09/08	26	1
DG 3535NRR	Dyna-Gro	35.1	49.6	28.9	09/08	28	1
TVX51R17 (E)	Terral	–	53.0	28.6	08/31	34	1
AV 54D4	AgVenture	–	45.2	28.4	09/29	41	1

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

**Table 60 (cont.). Roundup Ready Maturity Group V Early Soybeans Planted April 11, 2006 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
NK S56-D7	NK Brand	50.2	60.5	27.9	09/15	26	1
Progeny 5205RR	Progeny	–	42.5	27.8	09/08	39	1
Armor GP 555	Armor	–	53.5	27.3	09/29	20	1
MPG 7453nRR	M-Pride	–	–	27.2	09/08	22	1
S03-328RR (E)	Public	–	–	26.7	08/31	39	1
DK55T6RR	Delta King	30.7	49.8	26.4	10/03	23	1
DP 5115RR/S	DPL	–	50.0	26.0	09/08	35	1
ESXVT-110RR (E)	Eagle Seed	–	49.9	25.9	09/29	25	1
MPG 7450nRR	M-Pride	–	–	25.7	09/15	36	1
DPX5520RR/S (E)	DPL	–	–	25.5	09/08	34	1
ESXVT-78 (E)	Eagle Seed	–	–	25.1	09/29	39	1
ESXVT-675 (E)	Eagle Seed	–	–	24.9	09/29	39	1
Progeny 5650RR	Progeny	–	54.9	24.4	09/29	23	1
Progeny 5622RR	Progeny	32.7	53.6	23.4	09/29	22	1
DG 5260RR	Delta Grow	42.4	57.8	22.1	09/08	16	1
Armor ACX-5510 (E)	Armor	–	–	21.6	09/29	23	1
HBK R5425	Hornbeck	–	36.0	21.0	09/15	38	1
DK 5366RR	Delta King	38.4	46.0	21.0	09/15	21	1
DG 5630RR	Delta Grow	33.1	50.3	17.9	09/29	26	1
ESXVT-173 (E)	Eagle Seed	–	–	14.2	09/29	45	1
NK XR5563 (E)	NK Brand	–	–	13.7	09/15	31	1
Overall mean		41.8	50.0	32.9			
LSD (.10)		8.4	8.2	7.2			
Error degrees of freedom		78	158	172			
CV (%)		12.1	12.2	16.2			
R <sup>2</sup> (%)		78	62	73			

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

**Table 61. Roundup Ready Maturity Group V Late Soybeans Planted April 11, 2006 (Ballground Plantation, Warren County).<sup>1</sup>**

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2004	2005	2006			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	
DK XTJ706 (E)	Delta King	–	–	41.6	09/29	26	1
TV57R16	Terral	–	–	41.2	09/15	21	1
TV57R14	Terral	39.5	62.6	38.1	09/15	22	1
DPX5914RRR (E)	DPL	–	–	36.7	09/29	31	1
DG 38K57	Dyna-Gro	23.4	68.1	35.1	09/15	30	1
AV 57D7RR	AgVenture	32.5	55.2	34.6	09/15	20	1
AG5702	Asgrow	–	53.4	34.3	09/15	22	1
USG 7582nRR	USG	–	–	32.5	10/03	27	1
DG 36N57	Dyna-Gro	38.8	72.6	32.1	09/15	22	1
DG 3583NRR	Dyna-Gro	23.3	54.9	31.8	09/29	30	1
HBK R5924	Hornbeck	24.3	63.1	31.7	09/29	21	1
DK XTJ705 (E)	Delta King	–	–	31.3	10/03	26	1
TV59R14	Terral	26.6	61.1	31.0	10/03	27	3
TV59R16	Terral	–	–	29.6	10/03	23	1
AG5903	Asgrow	16.5	60.5	28.8	10/03	28	1
DP 5808RR	DPL	29.6	62.5	27.1	10/03	21	1
95M80	Pioneer	25.6	52.0	27.1	10/03	16	1
DG 36T60	Dyna-Gro	–	–	26.1	10/03	36	1
AG5905	Asgrow	22.4	59.3	26.0	10/03	24	1
Progeny 5706RR (E)	Progeny	–	–	25.7	10/03	23	1
DG 5960RR	Delta Grow	25.7	63.9	25.1	09/29	21	1
DG 3600	Dyna-Gro	–	55.6	24.6	10/03	26	1
NK XR5964 (E)	NK Brand	–	–	23.9	10/03	32	1
DG5830RR	Delta Grow	–	64.2	23.7	10/03	19	1
HBK R5825	Hornbeck	–	51.3	22.5	10/03	27	1
NK XR6062 (E)	NK Brand	–	–	21.9	10/03	28	1
DP5915RR	DPL	23.9	56.5	19.7	10/03	22	1
Progeny 5806RR (E)	Progeny	–	–	16.3	10/03	26	1
NK XR5862 (E)	NK Brand	–	–	14.0	10/03	31	1
Overall mean		24.0	56.4	28.8			
LSD (.10)		9.6	11.3	7.0			
Error degrees of freedom		45	50	56			
CV (%)		23.7	14.6	17.9			
R <sup>2</sup> (%)		84	63	74			

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

# Plant Characteristics

**Table 62. 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> 2400	I	4.9	% 35.4	% 20.9
HBK C4926	Hornbeck	purple	gray	tan	imp black	2600	I	4.9	34.7	21.4
Stoddard	Public	white	tawny	tan	black	2400	D	4.9	35.5	20.5
UA4805 (E)	Public	purple	gray	gray	brown	3200	D	4.8	36.4	19.7

<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>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 63. 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> 3100	5.1	% 36.6	% 20.3
HBK C5025	Hornbeck	white	gray	tan	buff	2400	5.0	34.4	22.0
USG 5002T	USG	white	tawny	tan	imp black	2500	5.0	36.3	21.2
USG 5601T	USG	white	gray	tan	buff	3000	5.6	36.9	20.0
DB01-5289 (E)	Public	white	tawny	tan	imp. black	3200	5.5	36.6	20.0
DB01-7391 (E)	Public	white	tawny	tan	imp. black	3000	5.1	36.1	20.8
Jake	Public	purple	tawny	tan	black	2800	5.4	36.2	20.6
Ozark	Public	purple	gray	gray	brown	2800	5.2	36.1	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.

**Table 64. 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				
DK 5870	Delta King	purple	gray	tan	imp. black	<i>no./lb</i> 2400	5.8	% 36.5	% 21.0
HBK C5894	Hornbeck	purple	gray	tan	imp. black	2700	5.8	36.2	21.2
Freedom	Public	white	gray	tan	buff	3500	5.7	36.5	20.2

<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 65. 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>		
AV38T7	AgVenture	white	tawny	tan	black	<i>no./lb</i> 2500	I	3.8	35.5	20.5
Armor AFX-3907 (E)	Armor	purple	brown	tan	black	3300	—	3.9	36.0	20.4
Armor AFX-3981 (E)	Armor	purple	brown	tan	black	3100	—	3.9	35.3	20.7
AG3705	Asgrow	purple	tawny	brown	black	2600	I	3.7	35.1	20.4
AG3802	Asgrow	purple	gray	brown	imp. black	3000	I	3.8	36.0	20.3
AG3905	Asgrow	purple	tawny	tan	black	2800	I	3.9	35.5	20.2
AG3906	Asgrow	purple	tawny	brown	black	2600	I	3.9	36.0	20.5
DG3950RR	Delta Grow	purple	lt. tawny	tan	black	2500	I	3.9	35.6	21.3
DG3960RR	Delta Grow	—	—	—	—	3400	I	3.9	36.4	21.2
DK3964	Delta King	white	tawny	tan	black	3100	I	3.9	35.5	20.7
DK3967	Delta King	purple	tawny	brown	black	2800	I	3.9	36.3	20.3
DK39T6 (E)	Delta King	purple	tawny	tan	black	2800	I	3.9	36.0	21.0
DP3861RR	DPL	purple	gray	tan	imp. black	3100	I	3.8	36.6	20.2
DPX3994RR (E)	DPL	white	tawny	tan	black	3500	I	3.9	34.6	20.7
DG 31J39	Dyna-Gro	purple	tawny	tan	black	2900	I	3.9	35.1	21.0
DG 3392	Dyna-Gro	purple	tawny	brown	black	3200	I	3.9	35.4	21.1
HBK R3824	Hornbeck	purple	lt. tawny	tan	black	2800	I	3.9	35.4	20.8
MorSoy RT 3883N	MorSoy	purple	lt. tawny	tan	black	2300	I	3.8	35.6	21.3
MorSoy RT 3906N (E)	MorSoy	purple	tawny	tan	black	2800	I	3.9	34.9	20.3
93M90	Pioneer	purple	gray	brown	imp. black	2500	I	3.9	36.6	20.4
Progeny 3900RR	Progeny	purple	lt. tawny	tan	black	2900	I	3.9	35.4	21.5
Progeny 3906RR (E)	Progeny	purple	gray	brown	black	2700	I	3.9	36.3	20.3
Progeny 3916RR (E)	Progeny	purple	tawny	tan	black	3400	I	3.9	36.1	21.1
TV39RS31	Terral	purple	gray	brown	imp. black	3200	I	3.9	35.0	20.8
TVX39R017 (E)	Terral	purple	tawny	tan	black	3200	I	3.9	35.0	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, 3.0 is very early in Group III, while 3.9 is very late in Group III.

**Table 66. Plant Characteristics of Roundup Ready Maturity Group IV Early 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>		
AV 44D4	AgVenture	purple	lt. tawny	brown	brown	3500	I	4.4	35.1	21.7
AV 46J5NRR	AgVenture	purple	tawny	tan	black	2500	I	4.6	36.4	20.8
AV XG43 (E)	AgVenture	purple	lt. tawny	brown	black	3000	I	4.3	36.0	21.0
Armor GP-422	Armor	purple	brown	tan	black	2800	—	4.2	35.3	21.8
Armor GP-454	Armor	purple	gray	tawny	brown	3200	—	4.5	35.7	21.3
AG4103	Asgrow	white	gray	tan	buff	3000	I	4.1	36.3	21.4
AG4403	Asgrow	purple	lt. tawny	tan	black	3600	I	4.4	36.3	22.2
AG4404	Asgrow	white	tawny	tan	black	3200	I	4.4	36.5	20.6
AG4703	Asgrow	purple	lt. tawny	tan	black	2900	I	4.7	36.0	20.6
RC4233RR	Croplan Genetics	purple	lt. tawny	tan	black	2900	—	4.2	35.5	21.7
RC4432RR	Croplan Genetics	white	tawny	tan	black	3000	—	4.4	36.2	21.0
RC4455RR	Croplan Genetics	purple	lt. tawny	brown	black	3000	—	4.5	35.1	22.0
RC4655RR	Croplan Genetics	purple	tawny	tan	black	2900	—	4.7	36.5	20.3
DKB40-51	DEKALB	purple	gray	brown	imp. black	2800	I	4.0	36.0	21.2
DKB46-51	DEKALB	white	tawny	tan	black	2900	I	4.6	36.4	20.6
DG4150RR	Delta Grow	white	tawny	tan	brown	3100	I	4.1	36.6	20.5
DG4460RR	Delta Grow	purple	lt. tawny	brown	brown	3500	I	4.4	35.0	21.7
DG4660RR	Delta Grow	purple	lt. tawny	brown	black	2800	I	4.6	35.5	20.6
DK 4461	Delta King	purple	lt. tawny	brown	black	3100	I	4.6	35.1	22.3
DK 4661	Delta King	purple	tawny	tan	black	2200	I	4.6	36.4	20.4
DK 4667	Delta King	purple	lt. tawny	brown	black	2900	I	4.6	35.4	20.7
DK XTJ701 (E)	Delta King	purple	lt. tawny	brown	black	3200	I	4.6	35.5	22.1
DK 4567	Delta King	white	tawny	tan	black	2500	I	4.4	36.0	21.0
DP4331RR	DPL	purple	lt. tawny	brown	black	3300	I	4.3	35.2	22.4
DP4546RR	DPL	white	tawny	tan	black	2600	I	4.5	36.8	20.4
DP 06-4361 (E)	DPL	white	tawny	tan	black	3100	I	4.3	36.4	20.5
DP 06-4450 (E)	DPL	purple	lt. tawny	brown	brown	3100	I	4.4	35.5	21.4
DP4112RR/S	DPL	purple	tawny	tan	black	3100	I	4.1	36.3	20.8
DG 32R46	Dyna-Gro	purple	gray	tan	black	3000	I	4.6	35.4	21.2
DG 3443NRR	Dyna-Gro	purple	tawny	brown	black	3200	I	4.4	35.9	21.8
DG 3463NRR	Dyna-Gro	white	tawny	tan	black	3200	I	4.6	36.9	20.6
DG 35B40	Dyna-Gro	white	tawny	tan	black	2900	I	4.0	36.8	20.2
DG 37A44	Dyna-Gro	purple	tawny	brown	black	3400	I	4.4	36.2	20.9
DG 37F46	Dyna-Gro	purple	tawny	brown	black	2800	I	4.6	35.4	20.7
8447NRR	Excel	white	lt. tawny	tan	black	3500	I	4.5	36.2	20.4
8448NRR	Excel	purple	tawny	brown	black	2500	I	4.4	35.7	21.4
HBK R3824	Hornbeck	purple	lt. tawny	tan	black	2800	I	4.0	34.9	21.9
HBK R4623	Hornbeck	purple	tawny	tan	black	3200	I	4.5	35.4	21.7
HBK HX4524 (E)	Hornbeck	white	tan	brown	black	3000	I	4.5	35.9	20.7
MorSoy RT 4480N	MorSoy	purple	lt. tawny	brown	black	3200	I	4.4	35.3	22.0
MorSoy RT 4485N (E)	MorSoy	purple	lt. tawny	brown	brown	3200	I	4.4	35.7	21.2
MorSoy RT 4665N (E)	MorSoy	purple	lt. tawny	brown	black	2700	I	4.6	35.5	20.6
NK S43-B1	NK Brand	purple	tawny	brown	brown	2800	—	4.3	36.3	20.8
NK XR4669 (E)	NK Brand	white	lt. tawny	brown	black	2300	—	4.6	36.2	20.5
94M31	Pioneer	white	lt. tawny	tan	brown	2700	I	4.3	35.6	21.9
94M50	Pioneer	white	tawny	brown	black	2700	I	4.5	36.3	21.1
Progeny 4401RR	Progeny	purple	lt. tawny	brown	black	3300	I	4.4	35.1	22.5
Progeny 4206RR (E)	Progeny	white	lt. tawny	brown	black	2600	I	4.2	35.6	21.3
Progeny 4216RR (E)	Progeny	purple	tawny	tan	black	2900	I	4.2	35.7	21.3
Progeny 4405RR	Progeny	purple	lt. tawny	brown	brown	3100	I	4.4	35.4	21.7
Progeny 4406RR (E)	Progeny	purple	lt. tawny	brown	brown	3200	I	4.4	35.2	21.8
Progeny 4506RR (E)	Progeny	purple	tawny	brown	black	2500	I	4.5	36.4	20.5
TV45R14	Terral	purple	tawny	tan	black	3300	I	4.5	36.0	21.1
TV46R15	Terral	white	tawny	tan	black	3400	I	4.6	35.9	21.5
TVX44R270 (E)	Terral	purple	lt. tawny	brown	brown	3100	I	4.4	35.5	21.4
USG 74C36	USG	purple	tawny	tan	black	2900	I	4.3	36.1	21.3
USG 74T35	USG	purple	tawny	brown	black	2600	I	4.3	35.8	21.2
USG 7440nRR	USG	purple	lt. tawny	brown	black	3000	I	4.4	35.2	22.3
USG 7466nRR	USG	purple	lt. tawny	brown	black	2600	I	4.6	35.3	20.7
V44N6RR	Vigoro	purple	lt. tawny	brown	brown	2900	I	4.4	35.7	21.4
V47N6RR	Vigoro	purple	lt. tawny	brown	black	3000	I	4.6	35.3	20.9
S03-051RR (E)	Public	white	tawny	tan	black	2600	I	4.2	35.9	21.5
S03-058RR (E)	Public	white	tawny	tan	black	2600	I	4.4	35.8	21.6

<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, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

**Table 67. Plant Characteristics of Roundup Ready Maturity Group IV Late 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>		
AV 49D6	AgVenture	purple	lt. tawny	brown	black	no./lb		%	%	
AV 49J7NRR	AgVenture	purple	lt. tawny	tan	black	3100	I	4.9	35.0	21.3
AV 50D2N	AgVenture	purple	lt. tawny	brown	black	2900	I	4.9	35.5	20.9
AV XG47A (E)	AgVenture	purple	tawny	brown	black	2800	I	5.0	36.3	20.1
Amor GP-488	Armor	purple	brown	tan	black	2700	I	4.7	36.4	20.6
Armor GP-490	Armor	purple	brown	tan	black	2700	—	4.8	35.7	21.1
AG4703	Asgrow	purple	lt. tawny	tan	black	3200	—	4.9	36.3	20.6
AG4903	Asgrow	purple	lt. tawny	tan	black	2900	I	4.7	35.7	20.6
RC4842RR	Croplan Genetics	purple	lt. tawny	brown	black	3000	I	4.9	35.6	21.1
RC4955RR	Croplan Genetics	purple	lt. tawny	brown	black	2700	—	4.8	36.2	20.8
DG4770RR	Delta Grow	—	—	—	—	3000	—	4.9	35.2	21.2
DG4840RR	Delta Grow	—	—	—	—	2900	I	4.7	35.3	21.3
DG4860RR	Delta Grow	purple	tawny	tan	black	3400	I	4.8	35.7	20.6
DG4960RR	Delta Grow	purple	tawny	tan	black	2900	I	4.8	36.3	20.8
DG4970RR	Delta Grow	purple	gray	tan	buff	2500	D	4.9	36.7	20.5
DG4975LARR	Delta Grow	purple	tawny	brown	black	3200	I	4.9	36.6	19.8
DK4763	Delta King	white	tawny	tan	black	3100	I	4.9	35.4	21.3
DK4764	Delta King	white	tawny	tan	black	3100	I	4.7	36.3	20.4
DK4866	Delta King	purple	lt. tawny	brown	brown	3100	I	4.7	34.9	21.8
DK4967	Delta King	purple	lt. tawny	brown	black	2900	I	4.8	35.7	20.6
DK 4968	Delta King	purple	tawny	tan	black	3100	I	4.9	36.2	21.0
DK XTJ702 (E)	Delta King	purple	gray	tan	imp. black	2900	I	4.9	35.4	20.5
DK XTJ747 (E)	Delta King	purple	lt. tawny	brown	black	3000	I	4.8	35.6	20.7
DK XTJ750 (E)	Delta King	white	tawny	tan	black	2400	I	4.7	35.6	21.3
DP 4724RR	DPL	white	gray	tan	black	3000	I	4.9	36.0	20.6
DPX 4888RR/S (E)	DPL	purple	tawny	tan	black	2800	I	4.7	36.3	20.8
DPX 4919RR/S	DPL	white	tawny	tan	black	3200	I	4.8	35.8	20.7
DPX 9202RR/S (E)	DPL	white	tawny	tan	black	2700	I	4.9	36.2	20.7
DPX 9391RR/S (E)	DPL	white	tawny	brown	black	2800	I	4.8	36.4	20.2
DG 3481NRR	Dyna-Gro	white	tawny	brown	black	2800	I	4.9	35.4	21.0
DG 35Z49	Dyna-Gro	purple	tawny	tan	black	2600	I	4.8	36.2	20.9
DG 36M49	Dyna-Gro	purple	tawny	brown	black	2900	I	4.9	35.6	20.7
DG 36Y48	Dyna-Gro	purple	tawny	tan	black	2900	I	4.9	35.5	20.6
DG 37P49	Dyna-Gro	purple	gray	tan	black	2500	I	4.8	35.9	20.9
8481NRR	Excel	purple	tawny	tan	black	3000	I	4.9	35.4	21.4
8493NRR	Excel	Seg.	tawny	tan	black	2600	I	4.8	36.3	20.6
FFR 4886RR	FFR	purple	lt. tawny	brown	gray	3000	I	4.9	35.8	21.0
FFR 4955RR	FFR	—	—	—	—	2600	—	4.8	36.3	20.8
HBK R4724	Hornbeck	—	—	—	—	3000	—	4.9	35.0	21.0
HBK R4924	Hornbeck	purple	lt. tawny	brown	black	2500	I	4.7	35.5	20.8
HBK HX4843 (E)	Hornbeck	purple	lt. tawny	brown	lt. black	2800	I	4.9	35.6	20.6
MorSoy RT 4706N (E)	MorSoy	purple	tan	tan	lt. black	2300	I	4.8	36.0	20.9
MorSoy RT 4755N (E)	MorSoy	purple	gray	tan	imp. black	2800	I	4.7	35.1	21.3
MorSoy RT 4802N	MorSoy	purple	gray	tan	black	2900	I	4.7	35.7	20.3
MorSoy RT 4806N (E)	MorSoy	purple	tawny	tan	black	2500	D	4.8	36.2	20.9
MorSoy RT 4914N	MorSoy	purple	lt. tawny	tan	black	2700	I	4.8	35.4	21.2
MorSoy RTS 4955N (E)	MorSoy	purple	lt. tawny	brown	black	2600	I	4.9	36.3	20.1
MorSoy RT 4993N	MorSoy	purple	gray	tan	imp. black	2700	I	4.9	35.6	21.2
NK S49-Q9	NK Brand	purple	lt. tawny	tan	black	3000	I	4.9	35.6	20.7
NK XR4967 (E)	NK Brand	purple	gray	tan	imp. black	2800	—	4.9	35.9	20.1
94B73	Pioneer	purple	lt. tawny	brown	black	2500	—	4.9	35.8	20.8
94M80	Pioneer	purple	lt. tawny	tan	black	2800	I	4.7	35.4	21.6
Progeny 4606RR (E)	Progeny	white	tawny	tan	black	2300	I	4.8	36.1	20.7
Progeny 4706RR (E)	Progeny	purple	gray	tan	black	3000	I	4.6	34.8	21.3
Progeny 4716RR (E)	Progeny	purple	tawny	tan	black	2800	I	4.7	35.6	20.9
Progeny 4804RR	Progeny	white	lt. tawny	tan	black	3400	I	4.7	36.1	20.6
Progeny 4805RR	Progeny	purple	lt. tawny	tan	black	3100	I	4.8	35.5	20.8
Progeny 4906RR (E)	Progeny	purple	lt. tawny	tan	black	3200	I	4.8	35.5	20.5
Progeny 4949RR	Progeny	purple	tawny	tan	black	3200	I	4.9	35.6	21.1
495.RC	Schillinger	white	tawny	brown	black	2300	I	4.9	35.8	20.9
4782-4	Stine	purple	lt. tawny	brown	black	2600	I	4.9	36.3	20.0
TV48R14	Terral	purple	lt. tawny	tan	black	3000	I	4.7	34.5	21.5
TV49R12	Terral	purple	tawny	tan	black	2700	I	4.8	35.4	21.3
TVX47R017 (E)	Terral	purple	tawny	brown	black	2800	I	4.9	36.3	20.6
TVX49R017 (E)	Terral	purple	gray	brown	black	3500	I	4.7	36.5	20.3
TVX49R270 (E)	Terral	purple	tawny	brown	black	3000	I	4.9	35.3	21.3
USG 747R6	USG	purple	lt. tawny	brown	black	2800	I	4.9	36.6	19.8
USG 74T85	USG	purple	tawny	brown	black	2700	I	4.7	36.2	20.6
USG 7494nRR	USG	purple	lt. tawny	brown	gray	3000	I	4.8	35.5	21.4
V49N6RR	Vigoro	purple	lt. tawny	tan	black	2600	I	4.9	35.9	20.6
S03-007RR (E)	Public	purple	lt. tawny	brown	black	2800	I	4.9	36.4	20.0
		white	tawny	tan	black	2800	I	4.8	35.4	21.5

<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 68. Plant Characteristics of Roundup Ready 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				
AGS 568RR	AgSouth	purple	tawny	tan	black	<i>no./lb</i> 2700	5.6	36.9	20.3
AV 51G 1 (E)	AgVenture	white	gray	tan	black	2800	5.1	36.4	20.3
AV 54D4	AgVenture	purple	tawny	tan	black	3300	5.4	35.3	20.9
AV XG51B (E)	AgVenture	purple	tawny	tan	imp. black	2400	5.1	37.3	20.4
AV XG55B (E)	AgVenture	white	gray	tan	buff	3600	5.5	35.9	20.9
AV XG56 (E)	AgVenture	purple	gray	tan	imp. black	2600	5.5	36.1	20.5
Armor GP-513	Armor	white	gray	tawny	buff	2800	5.1	35.6	21.0
Armor GP-555	Armor	purple	brown	tan	black	2800	5.5	36.9	20.1
Armor GP-533	Armor	white	brown	tan	brown	2600	5.5	36.5	19.7
AG5501	Asgrow	purple	gray	tan	imp. black	3000	5.5	36.3	20.3
AG5702	Asgrow	purple	gray	tan	imp. black	2900	5.7	37.0	20.2
RC 5003	Croplan Genetics	purple	gray	tan	black	2500	5.0	36.2	21.1
DG5160RR	Delta Grow	purple	gray	tan	imp. black	2700	5.1	35.5	21.8
DG5260RR	Delta Grow	white	gray	tan	buff	3100	5.2	36.3	20.7
DG5300RR	Delta Grow	—	—	—	—	2600	5.3	36.1	20.7
DG5470RR	Delta Grow	white	tawny	tan	black	2200	5.4	37.0	20.1
DG5630RR	Delta Grow	white	gray	tan	buff	3200	5.6	36.3	20.2
DG5650RR	Delta Grow	white	gray	tan	buff	3300	5.6	36.3	20.5
DK5066	Delta King	purple	gray	tan	imp. black	2600	5.0	35.9	21.4
DK5161	Delta King	white	gray	brown	buff	2800	5.1	35.9	21.0
DK52K6	Delta King	purple	tawny	tan	black	2700	5.2	37.0	20.4
DK5366	Delta King	purple	gray	tan	brown	2900	5.3	36.3	20.2
DK5567	Delta King	white	gray	tan	black	2700	5.5	36.9	19.7
DK55T6	Delta King	white	gray	tan	buff	2500	5.6	36.4	20.2
DK XTJ703 (E)	Delta King	purple	gray	tan	imp. black	2900	5.0	36.2	20.6
DK XTJ704 (E)	Delta King	white	gray	tan	black	3000	5.0	36.7	20.7
DK 5368	Delta King	purple	gray	tan	black	2600	5.3	36.9	20.8
DP5414RR	DPL	white	tawny	tan	black	2800	5.4	36.9	19.9
DP5634RR	DPL	white	tawny	tan	black	2500	5.6	36.4	20.5
DP5115RR/S	DPL	white	tawny	tan	brown	2800	5.1	37.1	20.5
DPX 5520RR/S (E)	DPL	white	tawny	tan	brown	2700	5.5	36.6	19.9
DG32A53	Dyna-Gro	white	gray	tan	buff	2400	5.3	37.2	20.4
DG33B52	Dyna-Gro	white	gray	tan	black	2800	5.2	35.8	20.8
DG33X55	Dyna-Gro	purple	tawny	tan	black	2800	5.5	36.8	20.2
DG34J56	Dyna-Gro	purple	tawny	tan	black	2500	5.6	36.7	19.9
DG3535NRR	Dyna-Gro	purple	gray	tan	black	3100	5.3	36.4	20.1
ESXVT-16RR (E)	Eagle Seed	white	gray	tan	brown	3400	5.3	36.4	20.4
ESXVT-78RR (E)	Eagle Seed	purple	gray	tan	brown	2800	5.0	35.3	20.6
ESXVT-110RR (E)	Eagle Seed	purple	gray	tan	imp. black	3000	5.4	37.0	19.7
ESXVT-111RR (E)	Eagle Seed	white	gray	tan	brown	3000	5.5	36.5	20.4
ESXVT-155RR (E)	Eagle Seed	purple	tan	brown	black	2800	5.4	35.7	21.3
ESXVT-173RR (E)	Eagle Seed	purple	gray	tan	imp. black	2600	5.5	35.0	21.3
ESXVT-518RR (E)	Eagle Seed	white	tan	brown	black	2800	5.4	36.0	20.6
ESXVT-675RR (E)	Eagle Seed	purple	gray	gray	yellow	2500	5.1	36.7	20.4
8512NRR	Excel	white	tawny	tan	Seg.	2200	5.1	36.8	20.4
8520NRR	Excel	purple	gray	tawny	buff	3300	5.3	36.6	20.3
FFR 5116RR	FFR	—	—	—	—	2800	5.1	36.2	20.4
FFR 5663RR	FFR	purple	tawny	tawny	black	3100	5.6	36.7	20.2
HBK R5226	Hornbeck	purple	tawny	tan	black	2700	5.2	36.4	20.7
HBK R5425	Hornbeck	white	gray	tan	buff	2700	5.4	36.2	20.4
HBK R5525	Hornbeck	purple	tawny	tan	black	2500	5.5	36.5	20.4
MPG 7450nRR	M-Pride	white	tawny	brown	black	2600	5.0	36.8	20.8
MPG 7453nRR	M-Pride	purple	tawny	tan	black	3100	5.3	35.8	21.0
MPG 7552nRR	M-Pride	purple	tawny	tan	black	3500	5.2	35.9	20.8
MPG 7554nRR	M-Pride	white	tawny	tan	black	2300	5.4	37.0	20.1
MorSoy RT 5206N (E)	MorSoy	purple	tawny	brown	brown	2400	5.2	36.5	20.1
MorSoy RT 5306N (E)	MorSoy	purple	tawny	tan	black	3300	5.3	35.4	21.0
MorSoy RT 5506N (E)	MorSoy	white	gray	tan	buff	3300	5.5	35.7	21.0
NK S53-A1	NK Brand	—	—	—	—	2200	5.3	36.8	20.8
NK S56-D7	NK Brand	purple	tawny	tan	black	2700	5.6	36.0	20.5
NK XR5068 (E)	NK Brand	white	tan	tan	black	2700	5.0	36.2	20.4
NK XR5168 (E)	NK Brand	white	tan	tan	black	2600	5.1	35.9	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>Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

**Table 68 (cont.). Plant Characteristics of Roundup Ready 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				
NK XR5263 (E)	NK Brand	purple	tan	tan	black	<i>no./lb</i> 2400	5.2	% 37.2	% 20.6
NK XR5563 (E)	NK Brand	purple	gray	tan	imp. black	2200	5.5	37.5	19.8
95M30	Pioneer	white	tawny	tan	black	3100	5.3	36.5	20.2
95M50	Pioneer	purple	gray	tan	imp. black	2500	5.5	36.2	20.1
Progeny 5115RR	Progeny	purple	lt. tawny	brown	black	2900	5.1	35.6	21.2
Progeny 5205RR	Progeny	purple	lt. tawny	brown	black	2800	5.2	37.2	19.9
Progeny 5260RR (E)	Progeny	white	gray	tan	buff	2500	5.2	36.2	20.4
Progeny 5406RR (E)	Progeny	white	gray	tan	buff	3500	5.4	35.5	21.0
Progeny 5622RR	Progeny	white	gray	tan	imp. black	3300	5.6	36.2	20.4
Progeny 5650RR	Progeny	white	gray	tan	buff	2900	5.6	35.5	21.0
55109 (E)	Schillinger	purple	gray	tan	imp. black	3800	5.5	36.2	20.4
5142-4	Stine	purple	lt. tawny	brown	black	2700	5.1	36.3	21.0
TV52R14	Terral	white	gray	tan	buff	2900	5.2	36.2	20.7
TV55R15	Terral	purple	gray	tan	imp. black	2700	5.5	36.9	20.1
TVX51R17 (E)	Terral	purple	gray	brown	black	3000	5.1	35.1	21.7
TVX53R017 (E)	Terral	purple	tawny	tan	black	2700	5.2	37.3	19.9
TVX53R027 (E)	Terral	purple	tawny	tan	black	2700	5.2	37.3	19.8
TVX53R037 (E)	Terral	purple	tawny	tan	black	2700	5.2	37.1	20.1
USG 7505nRR	USG	purple	lt. tawny	brown	black	2900	5.0	37.4	20.0
USG 7515nRS	USG	purple	gray	tan	imp. black	3100	5.1	35.9	21.6
USG 7553nRS	USG	white	gray	brown	buff	3600	5.5	36.6	20.2
V50N7RS	Vigoro	purple	gray	tan	imp. black	2600	5.0	36.1	21.6
V51N7RS	Vigoro	white	gray	tan	buff	2600	5.1	36.3	20.5
S03-328RR (E)	Public	white	tawny	tan	imp. black	2800	5.0	37.0	20.3
S03-383RR (E)	Public	white	tawny	tan	imp. black	2000	5.4	36.8	20.4

<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 69. 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				
AV57D7NRR	AgVenture	purple	tawny	tan	black	<i>no./lb</i> 2700	5.7	% 36.6	% 20.1
AG5702	Asgrow	purple	gray	tan	imp. black	2900	5.7	37.2	20.0
AG5903	Asgrow	white	gray	tan	buff	3400	5.9	35.6	21.1
AG5905	Asgrow	white	gray	tan	buff	3300	5.9	36.2	20.8
DG5830RR	Delta Grow	white	gray	tan	buff	3000	5.8	35.4	20.9
DG5960RR	Delta Grow	white	gray	tan	buff	3300	5.9	36.2	20.5
DK XTJ705 (E)	Delta King	white	gray	tan	buff	2600	5.9	36.2	20.5
DK XTJ706 (E)	Delta King	purple	gray	tan	black	2600	5.7	36.7	20.6
DP5808RR	DPL	white	tawny	brown	black	3200	5.8	36.7	19.7
DP5915RR	DPL	white	tawny	tan	black	2900	5.9	35.8	20.1
DPX 5914RR (E)	DPL	purple	tawny	tan	black	2900	5.9	37.6	19.8
DG3583NRR	Dyna-Gro	white	gray	tan	black	2700	5.9	36.2	20.4
DG3600	Dyna-Gro	purple	gray	tan	black	2900	5.9	36.3	20.1
DG36N57	Dyna-Gro	purple	tawny	tan	black	3000	5.7	36.7	20.1
DG36T60	Dyna-Gro	purple	tawny	tan	black	2400	5.9	37.0	20.0
DG38K57	Dyna-Gro	white	gray	tan	black	2900	5.7	36.6	20.3
HBK R5825	Hornbeck	purple	tawny	tan	lt. black	2300	5.8	37.2	20.1
HBK R5924	Hornbeck	white	gray	tan	buff	2900	5.9	35.7	20.6
NK XR5862 (E)	NK Brand	purple	tan	tan	black	2500	5.8	37.3	20.0
NK XR5964 (E)	NK Brand	purple	tan	tan	black	2300	5.9	37.9	20.0
NK XR6062 (E)	NK Brand	purple	tan	tan	black	2700	5.9	37.6	20.2
95M80	Pioneer	purple	gray	tan	imp. black	2900	5.8	37.5	19.5
Progeny 5706RR (E)	Progeny	white	gray	tan	buff	2800	5.7	36.7	20.2
Progeny 5806RR (E)	Progeny	purple	gray	tan	buff	2900	5.8	38.0	19.6
TV57R14	Terral	white	gray	tan	buff	2800	5.7	36.6	20.4
TV57R16	Terral	purple	tawny	tan	imp. black	3200	5.7	36.6	20.3
TV59R14	Terral	white	gray	tan	buff	2800	5.9	36.5	20.2
TV59R16	Terral	white	gray	tan	buff	2700	5.9	36.3	20.2
USG 7582nRR	USG	white	gray	tan	buff	3100	5.8	36.1	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>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 70. Reaction of Maturity Group III Roundup Ready Soybeans to Diseases.**

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AV38T7	AgVenture	R	1.1	DPX3994RR (E)	DPL	R	1.1
Armor AFX-3907 (E)	Armor	R	1.0	DG 31J39	Dyna-Gro	R	1.0
Armor AFX-3981 (E)	Armor	R	1.1	DG 3392	Dyna-Gro	R-VS (R)	1.4
AG3705	Asgrow	R-VS (VS)	3.48	HBK R3824	Hornbeck	R	1.0
AG3802	Asgrow	R-VS (R)	1.5	MorSoy RT 3883N	MorSoy	R-MS (R)	1.22
AG3905	Asgrow	R-VS (VS)	4.1	MorSoy RT 3906N (E)	MorSoy	R	1.0
AG3906	Asgrow	R	2.1	93M90	Pioneer	R	1.1
DG3950RR	Delta Grow	R	1.0	Progeny 3900RR	Progeny	R	1.15
DG3960RR	Delta Grow	R	1.0	Progeny 3906RR (E)	Progeny	-	-
DK3964	Delta King	R	1.2	Progeny 3916RR (E)	Progeny	R	1.0
DK3967	Delta King	R	1.12	TV39RS31	Terral	R	1.2
DK39T6 (E)	Delta King	R	1.0	TVX39R017 (E)	Terral	R-VS (VS)	3.2
DP3861RR	DPL	R	1.1	CHECK	-	R-VS (VS)	3.73



**Table 71. Reaction of Maturity Group IV Early Roundup Ready Soybeans to Diseases.**

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AV 44D4	AgVenture	R	1.0	DG 37A44	Dyna-Gro	R	1.0
AV 46J5NRR	AgVenture	R	1.1	DG 37F46	Dyna-Gro	R	1.0
AV XG43 (E)	AgVenture	R	1.0	8447NRR	Excel	R	
Armor GP-422	Armor	R	1.0	8448NRR	Excel	R	
Armor GP-454	Armor	R	1.0	HBK R3824	Hornbeck	R	
AG4103	Asgrow	R	1.0	HBK R4623	Hornbeck	R-VS	
AG4403	Asgrow	R-VS (MS)	2.9	HBK HX4524 (E)	Hornbeck	R	
AG4404	Asgrow	R-VS (MS)	3.0	MorSoy RT 4480N	MorSoy	MS-S	
AG4703	Asgrow	R-VS	1.8	MorSoy RT 4485N (E)	MorSoy	R	
RC4233RR	Croplan Genetics	R	1.0	MorSoy RT 4665N (E)	MorSoy	R	
RC4432RR	Croplan Genetics	R	1.0	NK S43-B1	NK Brand	R	
RC4455RR	Croplan Genetics	R	1.0	NK XR4669 (E)	NK Brand	R	
RC4655RR	Croplan Genetics	R	1.1	94M31	Pioneer	R	
DKB40-51	DEKALB	R-MS (MS)	1.7	94M50	Pioneer	R	
DKB46-51	DEKALB	R-VS (MS)	3.0	Progeny 4401RR	Progeny	R-VS (MS)	
DG4150RR	Delta Grow	R	1.0	Progeny 4206RR (E)	Progeny	R	
DG4460RR	Delta Grow	R	1.0	Progeny 4216RR (E)	Progeny	R	
DG4660RR	Delta Grow	R	1.0	Progeny 4405RR	Progeny	R	
DK 4461	Delta King	R	1.0	Progeny 4406RR (E)	Progeny	R	
DK 4661	Delta King	R	1.0	Progeny 4506RR (E)	Progeny	R-VS (MS)	
DK 4667	Delta King	R	1.0	TV45R14	Terral	R	
DK XTJ701 (E)	Delta King	-	-	TV46R15	Terral	R	
DK 4567	Delta King	R	1.0	TVX44R270 (E)	Terral	R	
DP4331RR	DPL	R-VS (MS)	3.8	USG 74C36	USG	R	
DP4546RR	DPL	R-MS	2.3	USG 74T35	USG	R	
DP 06-4361 (E)	DPL	R-VS (MS)	3.2	USG 7440nRR	USG	R-VS (MS)	
DP 06-4450 (E)	DPL	R	1.0	USG 7466nRR	USG	R	
DP4112RR/S	DPL	R	1.0	V44N6RR	Vigoro	R	
DG 32R46	Dyna-Gro	R	1.1	V47N6RR	Vigoro	R	
DG 3443NRR	Dyna-Gro	R-VS (MS)	3.5	S03-051RR (E)	Public	R-VS (R)	
DG 3463NRR	Dyna-Gro	MR	2.0	S03-058RR (E)	Public	R	
DG 35B40	Dyna-Gro	R	1.0	CHECK	-	VS	5.0

**Table 72. Reaction of Maturity Group IV Late Roundup Ready Soybeans to Diseases.**

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AV 49D6	AgVenture	R	1.0	FFR 4886RR	FFR	R	1.0
AV 49J7NRR	AgVenture	R	1.0	FFR 4955RR	FFR	R	1.0
AV 50D2N	AgVenture	R	1.0	HBK R4724	Hornbeck	R-MS	1.8
AV XG47A (E)	AgVenture	R	1.1	HBK R4924	Hornbeck	R	1.0
Amor GP-488	Armor	R	1.15	HBK HX4843 (E)	Hornbeck	R-VS (R)	1.3
Armor GP-490	Armor	R	1.0	MorSoy RT 4706N (E)	MorSoy	R	1.1
AG4703	Asgrow	R-VS	1.8	MorSoy RT 4755N (E)	MorSoy	R	1.0
AG4903	Asgrow	MR-S	3.0	MorSoy RT 4802N	MorSoy	R	1.0
RC4842RR	Croplan Genetics	R	1.0	MorSoy RT 4806N (E)	MorSoy	R	1.0
RC4955RR	Croplan Genetics	R	1.0	MorSoy RT 4914N	MorSoy	R	1.0
DG4770RR	Delta Grow	R	1.1	MorSoy RTS 4955N (E)	MorSoy	R	1.05
DG4840RR	Delta Grow	R	1.0	MorSoy RT 4993N	MorSoy	R	1.0
DG4860RR	Delta Grow	R-MR (R)	1.3	NK S49-Q9	NK Brand	R	1.0
DG4960RR	Delta Grow	R	1.0	NK XR4967 (E)	NK Brand	R	1.0
DG4970RR	Delta Grow	R	1.0	94B73	Pioneer	R-S	2.5
DG4975LARR	Delta Grow	R-VS (MS)	2.5	94M80	Pioneer	R	1.0
DK4763	Delta King	S-VS	4.5	Progeny 4606RR (E)	Progeny	R	1.0
DK4764	Delta King	R	1.0	Progeny 4706RR (E)	Progeny	R	1.0
DK4866	Delta King	-	-	Progeny 4716RR (E)	Progeny	R	1.0
DK4967	Delta King	R-MR (R)	1.3	Progeny 4804RR	Progeny	R-MR	1.3
DK4968	Delta King	R	1.0	Progeny 4805RR	Progeny	R-MR	1.3
DK XTJ702 (E)	Delta King	R-VS (S)	3.9	Progeny 4906RR (E)	Progeny	R-VS (MS)	2.6
DK XTJ747 (E)	Delta King	R	1.0	Progeny 4949RR	Progeny	R	1.0
DK XTJ750 (E)	Delta King	R	1.0	495.RC	Schillinger	R	1.0
DP 4724RR	DPL	R	1.0	4782-4	Stine	R	1.0
DPX 4888RR/S (E)	DPL	R	1.0	TV48R14	Terral	R	1.0
DPX4919RR/S	DPL	R	1.0	TV49R12	Terral	R	1.0
DPX 9202RR/S (E)	DPL	R	1.0	TVX47R017 (E)	Terral	R	1.0
DPX 9391RR/S (E)	DPL	R	1.0	TVX49R017 (E)	Terral	R	1.0
DG 3481NRR	Dyna-Gro	R	1.0	TVX49R270 (E)	Terral	R	1.0
DG 35Z49	Dyna-Gro	R-VS (R)	1.5	USG 747R6	USG	R	1.0
DG 36M49	Dyna-Gro	R	1.0	USG 74T85	USG	R	1.1
DG 36Y48	Dyna-Gro	R	1.0	USG 7494nRR	USG	R	1.1
DG 37P49	Dyna-Gro	R-VS (MS)	3.2	V49N6RR	Vigoro	R	1.0
8481NRR	Excel	R	1.0	S03-007RR (E)	Public	R	1.1
8493NRR	Excel	R	1.0	CHECK	-	VS	5.0

**Table 73. Reaction of Maturity Group V Early Roundup Ready Soybeans to Diseases.**

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AGS 568RR	AgSouth	R	1.05	8512NRR	Excel	R	1.1
AV 51G 1 (E)	AgVenture	R	1.0	8520NRR	Excel	R	1.0
AV 54D4	AgVenture	R	1.02	FFR 5116RR	FFR	R	1.0
AV XG51B (E)	AgVenture	R	1.02	FFR 5663RR	FFR	R	1.0
AV XG55B (E)	AgVenture	R-MS (R)	1.5	HBK R5226	Hornbeck	R	1.11
AV XG56 (E)	AgVenture	R	1.0	HBK R5425	Hornbeck	R	1.0
Armor GP-513	Armor	R	1.0	HBK R5525	Hornbeck	R	1.0
Armor GP-555	Armor	R	1.0	MPG 7450nRR	M-Pride	R	1.22
Armor GP-533	Armor	R	1.0	MPG 7453nRR	M-Pride	R	1.3
AG5501	Asgrow	R-MR (R)	1.3	MPG 7552nRR	M-Pride	R-VS	1.6
AG5702	Asgrow	R	1.02	MPG 7554nRR	M-Pride	R	1.1
RC 5003	Croplan Genetics	R	1.0	MorSoy RT 5206N (E)	MorSoy	R	1.0
DG5160RR	Delta Grow	R	1.0	MorSoy RT 5306N (E)	MorSoy	R	1.1
DG5260RR	Delta Grow	R	1.0	MorSoy RT 5506N (E)	MorSoy	R	1.0
DG5300RR	Delta Grow	R	1.0	NK S53-A1	NK Brand	R	1.0
DG5470RR	Delta Grow	R-VS	1.7	NK S56-D7	NK Brand	R	1.0
DG5630RR	Delta Grow	R-VS (R)	1.3	NK XR5068 (E)	NK Brand	R	1.0
DG5650RR	Delta Grow	R-VS	2.8	NK XR5168 (E)	NK Brand	R	1.0
DK5066	Delta King	R	1.0	NK XR5263 (E)	NK Brand	R	1.0
DK5161	Delta King	R	1.0	NK XR5563 (E)	NK Brand	R	1.1
DK52K6	Delta King	R	1.1	95M30	Pioneer	R	1.0
DK5366	Delta King	R-S	2.9	95M50	Pioneer	R-MR (MR)	1.8
DK5567	Delta King	R	1.0	Progeny 5115RR	Progeny	R	1.0
DK55T6	Delta King	R-VS	1.7	Progeny 5205RR	Progeny	R	1.03
DK XTJ703 (E)	Delta King	R	1.1	Progeny 5260RR (E)	Progeny	R	1.0
DK XTJ704 (E)	Delta King	R	1.0	Progeny 5406RR (E)	Progeny	R	1.0
DK 5368	Delta King	R	1.0	Progeny 5622RR	Progeny	R-VS	1.8
DP5414RR	DPL	R	1.0	Progeny 5650RR	Progeny	R	1.0
DP5634RR	DPL	R	1.15	55109 (E)	Schillinger	R	1.0
DP5115RR/S	DPL	R	1.0	5142-4	Stine	R	1.12
DPX 5520RR/S (E)	DPL	R	1.1	TV52R14	Terral	R-MR (R)	1.2
DG32A53	Dyna-Gro	R	1.0	TV55R15	Terral	R-VS	2.3
DG33B52	Dyna-Gro	R	1.0	TVX51R17 (E)	Terral	R	1.0
DG33X55	Dyna-Gro	R-VS	1.8	TVX53R017 (E)	Terral	R	1.0
DG34J56	Dyna-Gro	R	1.1	TVX53R027 (E)	Terral	R	1.0
DG3535NRR	Dyna-Gro	R-VS (S)	3.2	TVX53R037 (E)	Terral	R	1.02
ESXVT-16RR (E)	Eagle Seed	R	1.0	USG 7505nRR	USG	R	1.0
ESXVT-78RR (E)	Eagle Seed	R	1.13	USG 7515nRS	USG	R	1.0
ESXVT-110RR (E)	Eagle Seed	R	1.0	USG 7553nRS	USG	R-VS	1.9
ESXVT-111RR (E)	Eagle Seed	R	1.0	V50N7RS	Vigoro	R	1.0
ESXVT-155RR (E)	Eagle Seed	R	1.0	V51N7RS	Vigoro	R	1.0
ESXVT-173RR (E)	Eagle Seed	R-VS (R)	1.2	S03-328RR (E)	Public	R	1.0
ESXVT-518RR (E)	Eagle Seed	R	1.0	S03-383RR (E)	Public	R-MR	1.5
ESXVT-675RR (E)	Eagle Seed	R	1.0	CHECK	-	VS	5.0

**Table 74. Reaction of Maturity Group V Late Roundup Ready Soybeans to Diseases.**

Variety	Brand	Stem Canker		Variety	Brand	Stem Canker	
		Rating	HNR			Rating	HNR
AV57D7NRR	AgVenture	R	1.0	DG38K57	Dyna-Gro	R	1.0
AG5702	Asgrow	R	1.02	HBK R5825	Hornbeck	R	1.02
AG5903	Asgrow	R-MR	1.6	HBK R5924	Hornbeck	R	1.0
AG5905	Asgrow	R-VS (R)	1.3	NK XR5862 (E)	NK Brand	R	1.02
DG5830RR	Delta Grow	R	1.02	NK XR5964 (E)	NK Brand	R	1.03
DG5960RR	Delta Grow	R-MS	2.5	NK XR6062 (E)	NK Brand	R	1.0
DK XTJ705 (E)	Delta King	R	1.2	95M80	Pioneer	R	1.02
DK XTJ706 (E)	Delta King	R	1.0	Progeny 5706RR (E)	Progeny	R	1.02
DP5808RR	DPL	R	1.0	Progeny 5806RR (E)	Progeny	R	1.0
DP5915RR	DPL	MS-MS (MR)	2.1	TV57R14	Terral	R	1.0
DPX 5914RR (E)	DPL	R	1.0	TV57R16	Terral	R	1.02
DG3583NRR	Dyna-Gro	R-VS	2.2	TV59R14	Terral	R-VS	2.5
DG3600	Dyna-Gro	R	1.0	TV59R16	Terral	R	1.0
DG36N57	Dyna-Gro	R	1.0	USG 7582nRR	USG	R	1.1
DG36T60	Dyna-Gro	R	1.02	CHECK	-	V-S	5.0

## In-Field Disease Ratings and Observations

Tables 75-80 contain data on soybean varieties' reactions to late-season Cercospora, Green Stems, and Shattering.

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

**Late-Season Cercospora.** This disease is rated on a 1-9 scale: 1 = no or very little disease, and 9 = severe leaf discoloration and defoliation.

**Green Stems.** This disease is rated on a 1-9 scale when pods are dry and ready to harvest: 1 = no green stem, 3 = 33% of plants have green stem, 5 = all plants have green stems with some green petioles, 7 = all plants have green stems retaining 33% of green leaves, and 9 = all plants have green stems retaining 100% of green leaves.

**Shattering.** This disease is rated on a 1-9 scale: 1 = little to no shattering, and 9 = all seed shattered out.

**Table 75. Maturity Group IV Early Roundup Ready Soybeans.**

Variety	Brand	Stoneville Green Stems	Longwood Green Stems	Average Green Stems
AV 44D4	AgVenture	1.0	3.3	2.2
AV 46J5NRR	AgVenture	1.3	4.0	2.7
AV XG43 (E)	AgVenture	1.3	2.7	2.0
Armor GP-422	Armor	1.3	2.3	1.8
Armor GP-454	Armor	1.0	3.3	2.2
AG4103	Asgrow	2.0	4.3	3.2
AG4403	Asgrow	1.3	3.3	2.3
AG4404	Asgrow	1.3	2.3	1.8
AG4703	Asgrow	2.0	4.7	3.3
RC4233RR	Croplan Genetics	1.7	3.0	2.3
RC4432RR	Croplan Genetics	1.3	2.7	2.0
RC4455RR	Croplan Genetics	1.0	3.7	2.3
RC4655RR	Croplan Genetics	1.3	4.0	2.7
DKB40-51	DEKALB	1.7	3.7	2.7
DKB46-51	DEKALB	1.7	2.7	2.2
DG4150RR	Delta Grow	3.0	3.7	3.3
DG4460RR	Delta Grow	1.0	2.3	1.7
DG4660RR	Delta Grow	2.3	6.0	4.2
DK 4461	Delta King	1.0	4.3	2.7
DK 4661	Delta King	1.3	3.7	2.5
DK 4667	Delta King	3.0	6.3	4.7
DK XTJ701 (E)	Delta King	1.0	4.3	2.7
DK 4567	Delta King	1.3	4.7	3.0
DP4331RR	DPL	2.3	4.7	3.5
DP4546RR	DPL	1.7	3.3	2.5
DP 06-4361 (E)	DPL	1.0	3.0	2.0
DP 06-4450 (E)	DPL	1.0	4.0	2.5
DP4112RR/S	DPL	1.7	2.7	2.2
DG 32R46	Dyna-Gro	1.7	3.3	2.5
DG 3443NRR	Dyna-Gro	2.0	5.0	3.5
DG 3463NRR	Dyna-Gro	1.0	1.7	1.3
DG 35B40	Dyna-Gro	2.3	4.3	3.3
DG 37A44	Dyna-Gro	1.0	3.0	2.0
DG 37F46	Dyna-Gro	3.3	6.0	4.7
8447NRR	Excel	6.0	7.3	6.7
8448NRR	Excel	1.0	1.3	1.2
HBK R3824	Hornbeck	1.0	2.0	1.5
HBK R4623	Hornbeck	1.0	2.3	1.7
HBK HX4524 (E)	Hornbeck	2.3	4.3	3.3
MorSoy RT 4480N	MorSoy	2.7	4.0	3.3
MorSoy RT 4485N (E)	MorSoy	1.0	2.7	1.8
MorSoy RT 4665N (E)	MorSoy	4.0	6.0	5.0
NK S43-B1	NK Brand	3.7	4.3	4.0
NK XR4669 (E)	NK Brand	6.3	8.0	7.2
94M31	Pioneer	1.3	3.3	2.3
94M50	Pioneer	1.0	2.7	1.8
Progeny 4401RR	Progeny	2.3	4.3	3.3
Progeny 4206RR (E)	Progeny	4.7	5.7	5.2
Progeny 4216RR (E)	Progeny	1.0	2.7	1.8
Progeny 4405RR	Progeny	1.0	2.7	1.8
Progeny 4406RR (E)	Progeny	1.0	3.0	2.0
Progeny 4506RR (E)	Progeny	5.7	6.3	6.0
TV45R14	Terral	1.0	2.0	1.5
TV46R15	Terral	1.7	4.3	3.0
TVX44R270 (E)	Terral	1.0	2.3	1.7
USG 74C36	USG	2.0	3.7	2.8
USG 74T35	USG	1.3	3.0	2.2
USG 7440nRR	USG	2.0	4.0	3.5
USG 7466nRR	USG	3.0	6.0	4.5
V44N6RR	Vigoro	1.0	3.3	2.2
V47N6RR	Vigoro	3.3	6.0	4.7
S03-051RR (E)	Public	1.0	1.7	1.3
S03-058RR (E)	Public	1.3	1.7	1.5

**Table 76. Maturity Group IV Late Roundup Ready Soybeans.**

Variety	Brand	Stoneville Green Stems	Longwood Green Stems	Average Green Stems
AV 49D6	AgVenture	5.7	6.7	6.2
AV 49J7NRR	AgVenture	2.3	4.0	3.2
AV 50D2N	AgVenture	2.7	4.7	3.7
AV XG47A (E)	AgVenture	5.7	6.7	6.2
Armor GP-488	Armor	3.3	5.0	4.2
Armor GP-490	Armor	1.0	4.3	2.7
AG4703	Asgrow	1.7	4.0	3.0
AG4903	Asgrow	2.0	4.0	2.8
RC4842RR	Croplan Genetics	1.0	1.3	1.2
RC4955RR	Croplan Genetics	5.3	7.0	6.2
DG4770RR	Delta Grow	1.0	1.7	1.3
DG4840RR	Delta Grow	2.3	4.0	3.2
DG4860RR	Delta Grow	1.0	1.3	1.2
DG4960RR	Delta Grow	1.0	2.0	1.5
DG4970RR	Delta Grow	3.3	4.7	4.0
DG4975LARR	Delta Grow	5.3	4.7	5.0
DK4763	Delta King	1.0	2.0	1.5
DK4764	Delta King	1.0	3.0	2.0
DK4866	Delta King	3.3	3.3	3.3
DK4967	Delta King	1.0	2.7	1.8
DK4968	Delta King	1.7	2.3	2.0
DK XTJ702 (E)	Delta King	4.3	4.7	4.5
DK XTJ747 (E)	Delta King	1.0	3.7	2.3
DK XTJ750 (E)	Delta King	6.0	6.3	6.2
DP 4724RR	DPL	1.0	2.0	1.5
DPX 4888RR/S (E)	DPL	4.3	4.7	4.5
DP4919RR/S	DPL	4.0	4.3	4.2
DPX 9202RR/S (E)	DPL	3.7	3.0	3.3
DPX 9391RR/S (E)	DPL	4.7	4.3	4.5
DG 3481NRR	Dyna-Gro	1.0	2.3	1.7
DG 35Z49	Dyna-Gro	3.0	4.7	3.8
DG 36M49	Dyna-Gro	2.0	4.3	3.2
DG 36Y48	Dyna-Gro	4.0	5.0	4.5
DG 37P49	Dyna-Gro	4.7	6.3	4.5
8481NRR	Excel	1.0	3.7	2.3
8493NRR	Excel	1.0	1.7	1.3
FFR 4886RR	FFR	3.7	3.3	3.5
FFR 4955RR	FFR	5.7	7.3	6.5
HBK R4724	Hornbeck	3.7	5.7	4.7
HBK R4924	Hornbeck	3.7	5.3	4.5
HBK HX4843 (E)	Hornbeck	3.0	3.0	3.0
MorSoy RT 4706N (E)	MorSoy	2.7	3.3	3.0
MorSoy RT 4755N (E)	MorSoy	1.7	1.7	1.7
MorSoy RT 4802N	MorSoy	1.0	1.3	1.2
MorSoy RT 4806N (E)	MorSoy	1.0	1.3	1.2
MorSoy RT 4914N	MorSoy	3.3	5.7	4.5
MorSoy RTS 4955N (E)	MorSoy	4.3	5.0	4.7
MorSoy RT 4993N	MorSoy	3.0	4.3	3.7
NK S49-Q9	NK Brand	5.7	5.0	5.3
NK XR4967 (E)	NK Brand	6.0	7.7	6.8
94B73	Pioneer	2.0	4.3	3.2
94M80	Pioneer	1.3	3.0	2.2
Progeny 4606RR (E)	Progeny	1.7	1.7	1.7
Progeny 4706RR (E)	Progeny	1.0	1.7	1.3
Progeny 4716RR (E)	Progeny	6.0	6.0	6.0
Progeny 4804RR	Progeny	4.7	3.7	4.2
Progeny 4805RR	Progeny	3.3	2.7	3.0
Progeny 4906RR (E)	Progeny	5.0	4.0	4.5
Progeny 4949RR	Progeny	5.0	5.7	5.3
495.RC	Schillinger	1.7	4.3	3.0
4782-4	Stine	1.7	3.3	3.0
TV48R14	Terral	3.7	5.7	4.7
TV49R12	Terral	2.3	3.7	3.0
TVX47R017 (E)	Terral	2.7	3.0	2.8
TVX49R017 (E)	Terral	3.0	4.7	3.8
TVX49R270 (E)	Terral	3.0	4.7	3.8
USG 747R6	USG	3.7	4.7	4.2
USG 74T85	USG	1.0	4.7	2.8
USG 7494nRR	USG	1.7	5.0	3.3
V49N6RR	Vigoro	2.3	4.0	3.2
S03-007RR (E)	Public	2.0	4.0	3.0

**Table 77. Maturity Group V Early Roundup Ready Soybeans.**

Variety	Brand	Ballground Late-Season Cercospora	Variety	Brand	Ballground Late-Season Cercospora
AGS 568RR	AgSouth	4.3	8512NRR	Excel	2.7
AV 51G 1 (E)	AgVenture	5.7	8520NRR	Excel	2.7
AV 54D4	AgVenture	3.0	FFR 5116RR	FFR	5.7
AV XG51B (E)	AgVenture	4.7	FFR 5663RR	FFR	6.3
AV XG55B (E)	AgVenture	5.3	HBK R5226	Hornbeck	5.3
AV XG56 (E)	AgVenture	4.7	HBK R5425	Hornbeck	2.3
Armor GP-513	Armor	5.0	HBK R5525	Hornbeck	5.0
Armor GP-555	Armor	5.7	MPG 7450nRR	M-Pride	3.7
Armor GP-533	Armor	4.7	MPG 7453nRR	M-Pride	3.3
AG5501	Asgrow	6.0	MPG 7552nRR	M-Pride	3.7
AG5702	Asgrow	4.7	MPG 7554nRR	M-Pride	2.7
RC 5003	Croplan Genetics	4.0	MorSoy RT 5206N (E)	MorSoy	6.3
DG5160RR	Delta Grow	3.3	MorSoy RT 5306N (E)	MorSoy	3.7
DG5260RR	Delta Grow	4.0	MorSoy RT 5506N (E)	MorSoy	4.7
DG5300RR	Delta Grow	6.0	NK S53-A1	NK Brand	4.3
DG5470RR	Delta Grow	3.0	NK S56-D7	NK Brand	3.0
DG5630RR	Delta Grow	5.3	NK XR5068 (E)	NK Brand	3.0
DG5650RR	Delta Grow	3.7	NK XR5168 (E)	NK Brand	3.3
DK5066	Delta King	3.0	NK XR5263 (E)	NK Brand	3.7
DK5161	Delta King	4.0	NK XR5563 (E)	NK Brand	3.7
DK52K6	Delta King	3.3	95M30	Pioneer	4.0
DK5366	Delta King	4.7	95M50	Pioneer	5.3
DK5567	Delta King	5.3	Progeny 5115RR	Progeny	3.3
DK55T6	Delta King	4.7	Progeny 5205RR	Progeny	3.3
DK XTJ703 (E)	Delta King	3.3	Progeny 5260RR (E)	Progeny	6.0
DK XTJ704 (E)	Delta King	2.7	Progeny 5406RR (E)	Progeny	5.0
DK 5368	Delta King	5.3	Progeny 5622RR	Progeny	5.7
DP5414RR	DPL	3.3	Progeny 5650RR	Progeny	4.7
DP5634RR	DPL	4.3	55109 (E)	Schillinger	7.0
DP5115RR/S	DPL	2.7	5142-4	Stine	3.0
DPX 5520RR/S (E)	DPL	3.0	TV52R14	Terral	4.7
DG32A53	Dyna-Gro	4.3	TV55R15	Terral	4.7
DG33B52	Dyna-Gro	5.0	TVX51R17 (E)	Terral	3.0
DG33X55	Dyna-Gro	4.7	TVX53R017 (E)	Terral	5.3
DG34J56	Dyna-Gro	3.3	TVX53R027 (E)	Terral	5.3
DG3535NRR	Dyna-Gro	4.7	TVX53R037 (E)	Terral	5.7
ESXVT-16RR (E)	Eagle Seed	5.0	USG 7505nRR	USG	4.0
ESXVT-78RR (E)	Eagle Seed	2.3	USG 7515nRS	USG	2.3
ESXVT-110RR (E)	Eagle Seed	6.0	USG 7553nRS	USG	5.0
ESXVT-111RR (E)	Eagle Seed	6.0	V50N7RS	Vigoro	2.7
ESXVT-155RR (E)	Eagle Seed	4.0	V51N7RS	Vigoro	6.0
ESXVT-173RR (E)	Eagle Seed	2.0	S03-328RR (E)	Public	2.7
ESXVT-518RR (E)	Eagle Seed	2.7	S03-383RR (E)	Public	3.0
ESXVT-675RR (E)	Eagle Seed	2.3			

**Table 78. Maturity Group V Late Roundup Ready Soybeans.**

Variety	Brand	Ballground Late-Season Cercospora	Variety	Brand	Ballground Late-Season Cercospora
AV57D7NRR	AgVenture	5.7	DG38K57	Dyna-Gro	4.7
AG5702	Asgrow	5.3	HBK R5825	Hornbeck	4.0
AG5903	Asgrow	5.0	HBK R5924	Hornbeck	5.7
AG5905	Asgrow	4.3	NK XR5862 (E)	NK Brand	3.0
DG5830RR	Delta Grow	5.0	NK XR5964 (E)	NK Brand	3.0
DG5960RR	Delta Grow	6.0	NK XR6062 (E)	NK Brand	3.0
DK XTJ705 (E)	Delta King	6.0	95M80	Pioneer	5.7
DK XTJ706 (E)	Delta King	4.3	Progeny 5706RR (E)	Progeny	4.3
DP5808RR	DPL	3.7	Progeny 5806RR (E)	Progeny	4.3
DP5915RR	DPL	3.3	TV57R14	Terral	3.3
DPX 5914RR (E)	DPL	3.0	TV57R16	Terral	5.3
DG3583NRR	Dyna-Gro	6.0	TV59R14	Terral	5.7
DG3600	Dyna-Gro	5.7	TV59R16	Terral	4.0
DG36N57	Dyna-Gro	6.0	USG 7582nRR	USG	6.3
DG36T60	Dyna-Gro	3.7			



**Table 79. Maturity Group IV Early Roundup Ready Soybeans.**

Variety	Brand	Clarksdale Shattering	Longwood Shattering	Olive Branch Shattering
AV 44D4	AgVenture	1	2	1
AV 46J5NRR	AgVenture	1	3	3
AV XG43 (E)	AgVenture	1	2	1
Armor GP-422	Armor	1	2	1
Armor GP-454	Armor	1	2	1
AG4103	Asgrow	1	2	1
AG4403	Asgrow	4	2	1
AG4404	Asgrow	1	2	1
AG4703	Asgrow	1	2	1
RC4233RR	Croplan Genetics	1	3	1
RC4432RR	Croplan Genetics	1	4	1
RC4455RR	Croplan Genetics	1	2	1
RC4655RR	Croplan Genetics	1	2	1
DKB40-51	DEKALB	1	4	1
DKB46-51	DEKALB	1	1	1
DG4150RR	Delta Grow	2	3	2
DG4460RR	Delta Grow	1	2	1
DG4660RR	Delta Grow	1	3	1
DK 4461	Delta King	1	2	1
DK 4661	Delta King	1	2	1
DK 4667	Delta King	1	3	1
DK XTJ701 (E)	Delta King	1	3	2
DK 4567	Delta King	1	3	2
DP4331RR	DPL	2	2	1
DP4546RR	DPL	1	3	1
DP 06-4361 (E)	DPL	1	1	1
DP 06-4450 (E)	DPL	1	2	1
DP4112RR/S	DPL	1	3	3
DG 32R46	Dyna-Gro	1	2	3
DG 3443NRR	Dyna-Gro	1	2	1
DG 3463NRR	Dyna-Gro	1	3	1
DG 35B40	Dyna-Gro	2	3	2
DG 37A44	Dyna-Gro	1	3	1
DG 37F46	Dyna-Gro	1	3	1
8447NRR	Excel	1	2	1
8448NRR	Excel	2	4	3
HBK R3824	Hornbeck	1	2	1
HBK R4623	Hornbeck	1	3	1
HBK HX4524 (E)	Hornbeck	1	3	1
MorSoy RT 4480N	MorSoy	1	3	1
MorSoy RT 4485N (E)	MorSoy	1	3	1
MorSoy RT 4665N (E)	MorSoy	1	3	1
NK S43-B1	NK Brand	1	3	1
NK XR4669 (E)	NK Brand	1	1	1
94M31	Pioneer	3	4	4
94M50	Pioneer	1	2	2
Progeny 4401RR	Progeny	1	3	1
Progeny 4206RR (E)	Progeny	1	3	2
Progeny 4216RR (E)	Progeny	1	4	3
Progeny 4405RR	Progeny	1	3	1
Progeny 4406RR (E)	Progeny	2	3	1
Progeny 4506RR (E)	Progeny	1	2	1
TV45R14	Terral	1	6	2
TV46R15	Terral	1	2	2
TVX44R270 (E)	Terral	1	3	1
USG 74C36	USG	3	2	1
USG 74T35	USG	1	2	2
USG 7440nRR	USG	1	2	1
USG 7466nRR	USG	1	3	1
V44N6RR	Vigoro	1	3	2
V47N6RR	Vigoro	1	3	1
S03-051RR (E)	Public	2	6	2
S03-058RR (E)	Public	1	6	3

**Table 80. Maturity Group IV Late Roundup Ready Soybeans.**

Variety	Brand	Ballground Shattering	Longwood Shattering	Variety	Brand	Ballground Shattering	Longwood Shattering
AV 49D6	AgVenture	1	3	FFR 4886RR	FFR	1	3
AV 49J7NRR	AgVenture	2	2	FFR 4955RR	FFR	1	3
AV 50D2N	AgVenture	2	2	HBK R4724	Hornbeck	5	5
AV XG47A (E)	AgVenture	3	2	HBK R4924	Hornbeck	1	2
Amor GP-488	Armor	1	2	HBK HX4843 (E)	Hornbeck	2	3
Armor GP-490	Armor	1	2	MorSoy RT 4706N (E)	MorSoy	1	2
AG4703	Asgrow	1	2	MorSoy RT 4755N (E)	MorSoy	1	2
AG4903	Asgrow	1	1	MorSoy RT 4802N	MorSoy	2	2
RC4842RR	Croplan Genetics	3	1	MorSoy RT 4806N (E)	MorSoy	5	3
RC4955RR	Croplan Genetics	1	5	MorSoy RT 4914N	MorSoy	1	2
DG4770RR	Delta Grow	5	4	MorSoy RTS 4955N (E)	MorSoy	1	2
DG4840RR	Delta Grow	1	3	MorSoy RT 4993N	MorSoy	2	1
DG4860RR	Delta Grow	3	2	NK S49-Q9	NK Brand	1	2
DG4960RR	Delta Grow	1	2	NK XR4967 (E)	NK Brand	1	1
DG4970RR	Delta Grow	2	2	94B73	Pioneer	3	3
DG4975LARR	Delta Grow	1	1	94M80	Pioneer	3	4
DK4763	Delta King	2	1	Progeny 4606RR (E)	Progeny	2	2
DK4764	Delta King	3	3	Progeny 4706RR (E)	Progeny	4	3
DK4866	Delta King	1	2	Progeny 4716RR (E)	Progeny	2	2
DK4967	Delta King	3	2	Progeny 4804RR	Progeny	1	2
DK4968	Delta King	1	2	Progeny 4805RR	Progeny	1	1
DK XTJ702 (E)	Delta King	1	2	Progeny 4906RR (E)	Progeny	1	1
DK XTJ747 (E)	Delta King	5	3	Progeny 4949RR	Progeny	1	2
DK XTJ750 (E)	Delta King	1	1	495.RC	Schillinger	2	2
DP 4724RR	DPL	3	1	4782-4	Stine	1	2
DPX 4888RR/S (E)	DPL	1	4	TV48R14	Terral	1	3
DP4919RR/S	DPL	3	4	TV49R12	Terral	1	2
DPX 9202RR/S (E)	DPL	3	2	TVX47R017 (E)	Terral	1	3
DPX 9391RR/S (E)	DPL	3	5	TVX49R017 (E)	Terral	1	2
DG 3481NRR	Dyna-Gro	4	3	TVX49R270 (E)	Terral	1	2
DG 35Z49	Dyna-Gro	1	3	USG 747R6	USG	1	3
DG 36M49	Dyna-Gro	2	2	USG 74T85	USG	1	2
DG 36Y48	Dyna-Gro	1	2	USG 7494nRR	USG	2	3
DG 37P49	Dyna-Gro	1	3	V49N6RR	Vigoro	2	2
8481NRR	Excel	1	3	S03-007RR (E)	Public	3	4
8493NRR	Excel	1	3				

# Public Varieties Entered

## Arkansas Agricultural Experiment Station

Ozark  
UA4805

## University of Missouri

Jake (was S00-9970-09)  
Stoddard (was S00-9925-10)  
S03-007RR (Exp.)  
S03-051RR (Exp.)  
S03-058RR (Exp.)  
S03-328RR (Exp.)  
S03-383RR (Exp.)

## USDA Agricultural Research Service

DB01-5289 (Exp.)  
DB01-7391 (Exp.)  
Freedom

# Commercial Varieties Entered

AgSouth Genetics P.O. Box 72246 Albany, GA 31708	AGS568RR	
AgVenture 6933 Sunflower School Rd. Clarksdale, MS 38614	AgVenture AV38T7 AgVenture AV44D4 AgVenture AV46J5 AgVenture AV49D6 AgVenture AV49J7 AgVenture AV50D2 AgVenture AV51G1 (Exp.)	AgVenture AV54D4 AgVenture AV57D7 AgVenture XG43 (Exp.) AgVenture XG47A (Exp.) AgVenture XG51B (Exp.) AgVenture XG55B (Exp.) AgVenture XG56 (Exp.)
Armor Seed Company 1 Pennsylvania St. Waldenburg, AR 72475	Armor AFX-3907 (Exp.) Armor AFX-3981 (Exp.) Armor GP-422 Armor GP-454 Armor GP-488	Armor 490 Armor GP-513 Armor GP-555 Armor GP-533
B and S Seed 1283 Hwy. 44 Duncan, MS 38740	Excel 8447NRR Excel 8448NRR Excel 8481NRR	Excel 8493NRR Excel 8512NRR Excel 8520NRR
Cache River Valley Seed 12470 Hwy. 226 Cash, AR 72421	MorSoy RT 3883N MorSoy RT 3906N (Exp.) MorSoy RT 4480N MorSoy RT 4485N MorSoy RT 4665N MorSoy RT 4706N (Exp.) MorSoy RT 4755N (Exp.) MorSoy RT 4802N	MorSoy RT4806N (Exp.) MorSoy RT4993N MorSoy RT4914N MorSoy RTS 4955N MorSoy RT 5206N (Exp.) MorSoy RT 5306N (Exp.) MorSoy RT 5506N (Exp.)
Croplan Genetics P.O. Box 42 Cary, MS 39054	RC 4233RR RC 4432RR RC 4455RR RC 4655RR	RC 4842RR RC 4955RR RC 5003RR
Delta and Pine Land Co. 103 Seaboard Ave. Piedmont, AL 36272	DP3861RR DP4331RR DP4546RR DP4724RR DP4748S DP5110S DP5414RR DP5115RR/S DP5634RR DP5808RR DP5915RR	DPX3994RR (Exp.) DP4112RR/S DPX4888RR/S (Exp.) DP4919RR/S DPX9202RR/S (Exp.) DPX9391RR (Exp.) DPX5520RR/S (Exp.) DPX5914RR (Exp.) 06-4361RR (Exp.) 06-4450RR (Exp.)
Delta Grow Seed 220 NW 2nd England, AR 72046	DG 3950RR DG 3960RR DG 4150RR DG 4460RR DG 4660RR DG 4770RR DG 4840RR DG 4860RR DG 4960RR DG 4970RR	DG 4975LARR DG 5160RR DG 5260RR DG 5300RR DG 5470RR DG 5630RR DG 5650RR DG 5830RR DG 5960RR
Delta King Seed Company P.O. Box 970 McCroby, AR 72101	DK39T6RR (Exp.) DK3964RR DK3967RR DK4461RR DK4661RR DK4667RR DK4763RR DK4764RR (was XTJ6D44) DK4866RR DK4967RR DK4968RR DK5066RR DK5161RR DK52K6RR	DK5366RR DK5567RR DK55T6RR DK5870RR DK XTJ701RR (Exp.) DK XTJ702RR (Exp.) DK XTJ703RR (Exp.) DKXTJ704RR (Exp.) DK XTJ705RR (Exp.) DK XTJ706RR (Exp.) DK XTJ744RR (Exp.) DK XTJ747RR (Exp.) DK XTJ750RR (Exp.) DK XTJ753RR (Exp.)

Eagle Seed Company P.O. Box 308 Weiner, AR 72479	ES XVT-16RR (Exp.) ES XVT-78RR (Exp.) ES XVT-110RR (Exp.) ES XVT-111RR (Exp.)	ES XVT-155RR (Exp.) ES XVT-173RR (Exp.) ES XVT-518RR (Exp.) ES XVT-675RR (Exp.)
FFR Seed 969 Cloverleaf Drive Southaven, MS 38671	FFR 4886RR FFR 4955RR	FFR 5116RR FFR 5663RR
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK C4926 HBK C5025 HBK C5894 HBK R3824 HBK R4623 HBK R4724 HBK R4924	HBK R5226 HBK R5425 HBK R5525 HBK R5825 HBK R5924 HBK HX4524 (Exp.) HBK HX4843 (Exp.)
Midwest Premium Genetics 523 S. Main P.O. Box 688 Concordia, MO 64020	MPG7450NRR MPG7453NRR	MPG7552NRR MPG7554NRR
Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow AG3705 Asgrow AG3802 Asgrow AG3905 Asgrow AG3906 Asgrow AG4103 Asgrow AG4404 Asgrow AG4404 Asgrow AG4703	Asgrow AG4903 Asgrow AG5501 Asgrow AG5702 Asgrow AG5903 Asgrow AG5905 DEKALB DKB40-51 DEKALB DKB46-51
NK Brand Seeds P.O. Box 959 Minneapolis, MN 55440	NK S43-B1 NK S49-Q9 NK S53-A1 NK S56-D7 NK XR 4669 (Exp.) NK XR 4967 (Exp.) NK XR 5068 (Exp.)	NK XR5168 (Exp.) NK XR5263 (Exp.) NK XR5563 (Exp.) NK XR5862 (Exp.) NK XR5964 (Exp.) NK XR6062 (Exp.)
Pioneer, A Dupont Co. 7501 Memorial Parkway Suite 205 Huntsville, AL 35802	Pioneer variety 93M90 Pioneer variety 94B73 Pioneer variety 94M31 Pioneer variety 94M50	Pioneer variety 94M80 Pioneer variety 95M30 Pioneer variety 95M50 Pioneer variety 95M80
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 3900RR Progeny 3906RR (Exp.) Progeny 3916RR (Exp.) Progeny 4206RR (Exp.) Progeny 4216RR (Exp.) Progeny 4401RR Progeny 4405RR Progeny 4406RR (Exp.) Progeny 4506RR (Exp.) Progeny 4606RR (Exp.) Progeny 4706RR (Exp.) Progeny 4716RR (Exp.)	Progeny 4804RR Progeny 4805RR Progeny 4906RR (Exp.) Progeny 4949RR Progeny 5115RR Progeny 5205RR Progeny 5260RR (Exp.) Progeny 5406RR (Exp.) Progeny 5650RR Progeny 5622RR Progeny 5706RR (Exp.) Progeny 5806RR (Exp.)
Royster-Clark, Inc. 717 Robinson Rd. Washington C.H., OH 43160	Vigoro V44N6RR Vigoro V49N6RR Vigoro V47N6RR (was X841029)	Vigoro V50N7RS Vigoro V51N7RS
Schillinger Seed 200 Bennett's Outlet Lane Queenstown, MD 21658	55109 (Exp.)	
Stine Seed Company 2225 Larado Trail Adel, IA 50003	4782-4 5142-4	
Stratton Seed Co. 1530 Hwy. 79 South Stuttgart, AR 72160	Schillinger 495RC	

Terral Seed Company P.O. Box 826 Lake Providence, LA 71254	TV39RS31	TV59R16
	TV45R14	TVX39R017 (Exp.)
	TV46R15	TVX44R270 (Exp.)
	TV48R14	TVX47R017 (Exp.) (was TSR47RJ41)
	TV49R12	TVX49R017 (Exp.) (was TSR49RL45)
	TV52R14	TVX49R270 (Exp.)
	TV55R15	TVX51R17 (Exp.) (was TVX51R50)
	TV57R14	TVX53R017 (Exp.)
	TV57R16	TVX53R027 (Exp.)
	TV59R14	TVX53R037 (Exp.)
	UniSouth Genetics 2640-C Nolensville Rd. Nashville, TN 37211	USG 5002T
USG 5601T		USG 7494nRR
USG 74C36		USG 7505nRR
USG 74T35		USG 7515nRR
USG 7440nRR		USG 7553nRS
USG 7466nRR		USG 7582nRR
USG 747R6		
United Agri Products-Delta 57 Germantown Court Suite 200 Cordova, TN 38018	Dyna-Gro 31J39	Dyna-Gro 35B40
	Dyna-Gro 32A53	Dyna-Gro 35Z49
	Dyna-Gro 32R46	Dyna-Gro 3600
	Dyna-Gro 3392	Dyna-Gro 36M49
	Dyna-Gro 33B52	Dyna-Gro 36N57
	Dyna-Gro 33X55	Dyna-Gro 36T60
	Dyna-Gro 3443NRR	Dyna-Gro 36Y48
	Dyna-Gro 3463NRR	Dyna-Gro 37A44
	Dyna-Gro 3481NRR	Dyna-Gro 37F46
	Dyna-Gro 34J56	Dyna-Gro 37P49
	Dyna-Gro 3535NRR	Dyna-Gro 38K57
	Dyna-Gro 3583NRR	

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