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MISSISSIPPI SOYBEAN

VARIETY TRIALS, 2007

MAFES

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NOTICE TO USER

This information bulletin is a summary of research conducted under project number MIS 2348 at six 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 75-77 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 75-77.

Mississippi Soybean Variety Trials, 2007

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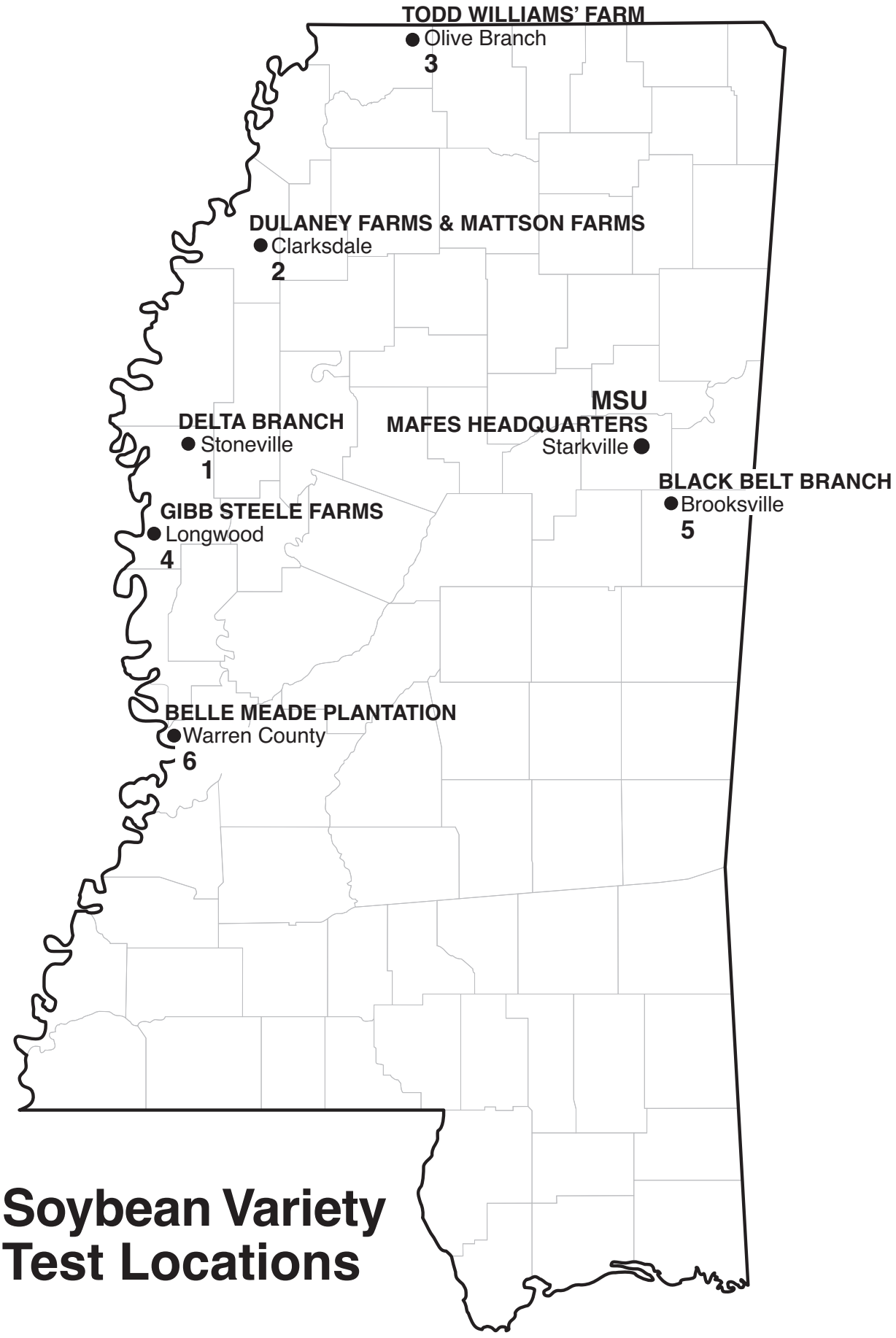

Soybean Variety Test Locations

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Mississippi Soybean Variety Trials, 2007

Introduction

Procedures

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

Soybean variety trials were conducted at six locations in 2007 (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 at the rate of six seeds per foot 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 at maturity from the soil to the top extremity, and plant height was recorded as the average of the height of plants measured.

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

Disease and Nematodes. When a disease or nematode problem is correctly identified, the information in Tables 77 to 81 may be used to select varieties that have genetically inherited resistance to the problem. Stem canker ratings shown in this report were determined by Dr. Gabe Sciumbato, plant pathologist, MAFES.

How to Select Varieties

In Problem or Difficult Fields

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

(2) Use Tables 77 to 85 to select varieties for fields that need disease 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. Do not 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 with other varieties, conventional and herbicide-resistant.

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

General Characteristics of Varieties

Soybean varieties differ in significant characteristics that may not affect their performance. Tables 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 number of seed per pound for different varieties is shown in Tables 69 to 76, 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 early- and late-maturity checks:

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 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
DP4748S	DPL	48.3	53.1	50.7	39.8	45.3
HBK C4926	Hornbeck	66.0	59.3	62.7	30.1	46.4
UA 4805	Public	53.5	58.1	55.8	38.9	47.4
Overall Mean		55.9	56.8	56.4	36.3	46.3
LSD (.10)		14.2	8.3	—	7.7	—
Error degrees of freedom		4	4	—	4	—
CV (%)		14.6	8.4	—	12.3	—
R^2(%)		69	49	—	69	—

[1]All are released varieties.

Table 2. Summary of Yields for Maturity Group V Early for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
DP5110S	DPL	55.9	52.8	54.4	23.9	39.1
HBK C5025	Hornbeck	70.6	63.9	67.3	24.6	45.9
DB01-5289 (E)	Public	60.6	61.4	61.0	28.2	44.6
DB02-2517 (E)	Public	54.6	59.6	57.1	29.0	43.1
DB03-10440 (E)	Public	44.1	54.6	49.4	27.6	38.5
DB03-1381(E)	Public	49.1	64.4	56.8	25.5	41.1
DB03-2811(E)	Public	47.8	58.8	53.3	26.1	39.7
DB03-8416 (E)	Public	63.4	62.8	63.1	29.5	46.3
Jake	Public	66.9	72.7	69.8	33.0	51.4
Ozark	Public	50.8	62.2	56.5	24.9	40.7
Stoddard	Public	46.3	66.3	56.3	32.2	44.3
USG 5002T	USG	53.7	59.7	56.7	38.6	47.7
USG 5601T	USG	51.5	59.9	55.7	24.6	40.2
Overall Mean		55.0	61.5	58.3	28.3	43.3
LSD (.10)		6.3	5.1	—	5.8	—
Error degrees of freedom		24	24	—	24	—
CV (%)		8.1	5.9	—	14.6	—
R^2(%)		84	76	—	61	—

[1](E) = Experimental.

Table 3. Summary of Yields for Maturity Group V Late for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
HBK C5894	Hornbeck	68.8	69.3	69.1	28.2	48.6
Osage	Public	67.3	69.2	68.3	34.5	51.4
Overall Mean		68.1	69.2	68.7	31.3	50.0
LSD (.10)		8.3	8.3	—	6.2	—
Error degrees of freedom		2	2	—	2	—
CV (%)		5.1	5.0	—	8.3	—
R^2(%)		52	28	—	85	—

[1]All are released varieties.

Table 4. Summary of Yields for Maturity Group III Roundup Ready for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Stoneville Nonirr.	Delta avg.	Brooksville	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 38T7NRR	AgVenture	50.7	30.9	40.8	20.4	34.7	27.6		34.2
Armor 39-K4	Armor	58.6	39.3	48.9	29.1	46.5	31.9		40.4
AG3803	Asgrow	62.0	34.2	48.1	22.9	39.4	31.2		39.7
AG3905	Asgrow	58.0	36.1	47.1	33.3	43.7	38.5		42.8
AG3906	Asgrow	57.8	37.6	47.9	23.0	53.7	38.4		43.2
DP3993RR	DPL	58.4	33.8	46.1	32.4	42.2	37.3		41.7
DP 07-3980RR (E)	DPL	65.1	33.8	49.5	30.1	49.8	40.0		44.8
DP 07-3972RR (E)	DPL	60.4	33.4	46.9	24.5	48.2	36.4		41.7
DG 31J39	Dyna-Gro	50.0	33.6	41.8	26.8	38.3	32.5		37.2
HBK R3824	Hornbeck	48.1	32.6	40.4	30.7	36.7	33.7		37.1
HBK R3927	Hornbeck	60.9	39.8	53.9	33.1	40.5	36.8		45.4
Morsoy RT3906N	MorSoy	53.3	33.6	43.5	29.6	34.7	32.2		37.9
S03-051 (E)	Public	54.0	26.8	40.4	25.1	32.0	28.6		34.5
Overall Mean		56.7	34.3	45.5	27.8	41.6	34.7		40.1
LSD (.10)		10.8	4.8	—	5.2	6.6	—		—
Error degrees of freedom		24	24	—	24	24	—		—
CV (%)		13.6	10.1	—	13.3	11.3	—		—
R^2(%)		50	67	—	68	75	—		—

[1](E) = Experimental.

Table 5. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Brooksville	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 44D4	AgVenture	59.6	54.1	41.5	51.3	39.7	49.2	36.1	38.9	80.0	51.7		50.5
AV XP46 (E)	AgVenture	57.2	61.0	47.0	55.8	32.3	50.7	31.0	36.2	74.3	47.2		48.9
Armor GP-454	Armor	59.8	49.5	41.5	46.4	36.7	46.8	35.4	28.5	69.0	44.3		45.5
Armor X4228 (E)	Armor	57.6	43.7	37.5	56.6	40.0	47.1	38.6	34.6	74.0	49.1		48.1
Armor X4560 (E)	Armor	63.8	59.5	54.7	61.4	35.4	55.0	38.5	32.2	71.5	47.4		51.2
AG4403	Asgrow	55.0	63.1	43.2	52.4	39.5	50.6	31.4	37.5	79.5	49.5		50.1
AG4404	Asgrow	58.4	53.7	38.1	50.6	35.5	47.3	27.1	36.7	74.7	46.2		46.7
AG4405	Asgrow	62.7	62.0	40.7	54.4	32.1	50.4	36.2	43.1	76.0	51.8		51.1
AG4604	Asgrow	67.1	71.8	43.6	52.2	43.2	55.6	32.1	34.5	79.8	48.8		52.2
AG4605	Asgrow	64.7	52.4	54.3	60.4	39.3	54.2	30.8	34.7	75.7	47.1		50.6
AG4703	Asgrow	60.6	63.6	43.2	55.5	38.8	52.3	34.5	41.4	71.3	49.1		50.7
Asgrow DKB46-51	Asgrow	63.9	63.6	47.9	56.6	37.3	53.9	30.6	42.7	67.3	46.9		50.4
Asgrow DKB46-51 (C)	Asgrow	64.7	53.5	50.6	54.8	40.7	52.9	32.0	44.5	75.7	50.7		51.8
RC 4655	Croplan Genetics	45.3	43.4	44.3	55.9	28.9	43.6	29.8	20.9	77.6	42.8		43.2
RC4444	Croplan Genetics	55.1	57.6	42.0	37.7	37.6	46.0	29.5	38.2	77.1	48.3		47.1
DG 4470RR/STS	Delta Grow	58.8	35.5	47.2	58.7	37.7	47.6	29.3	42.9	75.4	49.2		48.4
DG4150RR	Delta Grow	58.8	44.5	31.8	52.3	39.3	45.3	35.3	34.3	75.0	48.2		46.8
DG4460RR	Delta Grow	62.1	47.8	38.9	49.8	38.8	47.5	30.8	34.3	78.6	47.9		47.7
DG4660RR	Delta Grow	61.6	60.5	48.7	48.5	32.1	50.3	38.8	28.2	81.8	49.6		49.9
DK 4567	Delta King	56.0	48.5	46.3	53.9	34.6	47.9	27.7	39.8	71.6	46.4		47.1
DK 4667	Delta King	62.0	66.4	47.7	51.6	35.7	52.7	35.4	26.0	81.4	47.6		50.1
DP 07-4470RR (E)	DPL	56.3	53.1	44.0	49.3	30.0	46.5	37.4	31.2	72.6	47.1		46.8
DP 07-4492RR/S (E)	DPL	59.3	45.6	42.2	56.5	43.7	49.5	32.4	42.1	77.2	50.6		50.0
DP 07-4732RR (E)	DPL	67.0	65.6	65.4	62.0	43.0	60.6	33.2	41.8	78.5	51.2		55.9
DP 4112 RR/S	DPL	62.4	70.1	42.0	52.8	36.5	52.8	30.0	41.3	67.1	46.1		49.4
DP 4450RR	DPL	58.6	51.2	38.9	52.6	34.3	47.1	34.0	32.8	74.0	46.9		47.0
DP4546RR	DPL	56.3	68.1	48.3	49.7	30.3	50.5	31.1	30.4	81.6	47.7		49.1
DPX 4334RR (E)	DPL	66.0	57.3	46.7	52.7	41.6	52.9	31.4	37.0	72.5	47.0		49.9
DG 32R46	Dyna-Gro	57.5	52.9	54.4	54.5	26.4	49.1	31.1	27.5	83.2	47.3		48.2
DG 33Y45	Dyna-Gro	63.5	55.3	45.1	59.5	40.7	52.8	26.9	33.4	71.8	44.0		48.4
DG 35B40	Dyna-Gro	57.4	49.8	35.3	51.8	37.8	46.4	34.0	39.8	75.3	49.7		48.1
DG 37A44	Dyna-Gro	59.0	53.8	46.6	50.3	34.5	48.8	31.0	37.6	78.2	48.9		48.9
DG 37F46	Dyna-Gro	59.3	62.9	50.3	51.8	36.7	52.2	37.0	26.1	76.2	46.4		49.3
DG35D44	Dyna-Gro	53.3	42.2	35.9	46.3	35.0	42.5	27.0	40.4	57.9	41.8		42.2
HBK R3824	Hornbeck	59.5	54.5	40.3	45.3	37.6	47.4	34.1	36.1	75.3	48.5		48.0
HBK R3927	Hornbeck	64.1	48.8	42.0	51.8	41.5	49.6	39.4	44.3	72.5	52.1		50.9
HBK R4527	Hornbeck	56.4	74.2	54.2	57.4	21.1	52.7	37.3	33.1	90.0	53.5		53.1

[1](E) = Experimental. (C) = Cruiser.

Table 5 (cont.). Summary of Yields for Maturity Group IV Early Roundup Ready for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Brooksville	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
MorSoy RT 4485N	MorSoy	59.6	52.4	36.6	51.5	36.6	47.3	27.6	32.5	87.6	49.2		48.3
MorSoy RTS4556N (E)	MorSoy	64.3	47.6	49.0	58.4	38.2	51.5	27.7	37.6	73.2	46.2		48.8
MPV4808nRR	M-Pride	64.1	64.4	45.9	58.3	33.9	53.3	35.7	35.3	76.6	49.2		51.3
NK S43-B1	NK Brand	54.5	48.2	47.4	51.3	36.9	47.7	31.2	38.5	70.1	46.6		47.1
NK S46-U6	NK Brand	65.1	63.7	46.6	62.6	35.6	54.7	42.6	35.7	77.4	51.9		53.3
94M31	Pioneer	58.0	44.1	38.0	50.0	35.3	45.1	26.4	38.4	78.8	47.9		46.5
94M50	Pioneer	61.9	50.3	43.8	56.4	38.6	50.2	35.0	42.9	63.9	47.3		48.7
P4507RR (E)	Progeny	63.8	55.3	49.4	53.9	39.6	52.4	27.4	38.0	76.7	47.4		49.9
Progeny 4206RR	Progeny	61.8	47.0	51.9	57.8	41.0	51.9	29.8	39.6	73.7	47.7		49.8
Progeny 4405RR	Progeny	50.4	42.6	36.0	40.7	35.7	41.1	29.8	31.7	71.5	44.3		42.7
Progeny 4606RR	Progeny	56.2	45.1	47.1	55.6	29.4	46.7	32.2	33.7	75.0	47.0		46.8
S04-5969 (E)	Public	54.5	45.9	33.5	50.4	39.0	44.7	33.5	35.4	78.0	49.0		46.8
S04-6008 (E)	Public	55.2	55.3	43.9	54.1	38.4	49.4	30.5	35.0	88.3	51.3		50.3
S04-6013 (E)	Public	56.8	51.8	45.0	50.2	36.7	48.1	35.4	33.3	85.1	51.3		49.7
457.RCP	Schillinger	61.1	57.0	46.5	56.3	41.2	52.4	31.5	29.0	78.5	46.3		49.4
467.RCP	Schillinger	59.5	64.3	43.2	54.6	32.9	50.9	30.2	31.7	74.0	45.3		48.1
4782-4	Stine	60.2	65.4	53.5	60.4	31.2	54.1	34.4	30.1	83.5	49.3		51.7
TV44R27	Terral	55.3	54.2	42.5	52.1	39.2	48.7	35.8	38.6	74.4	49.6		49.1
TV45R14	Terral	53.6	58.9	40.7	42.6	34.0	46.0	32.1	35.0	61.1	42.7		44.3
TV46R15	Terral	57.7	58.4	49.3	50.7	37.2	50.7	31.3	33.3	72.2	45.6		48.1
TVX45R018 (E)	Terral	59.3	60.9	42.6	55.1	42.5	52.1	33.0	34.4	72.9	46.8		49.4
TVX45R118 (E)	Terral	58.7	61.9	41.7	55.3	40.9	51.7	31.4	39.4	75.3	48.7		50.2
TVX46R018 (E)	Terral	61.7	64.6	43.2	51.5	41.4	52.5	30.7	32.8	72.9	45.5		49.0
USG 7440nRR	USG	55.4	49.8	43.0	47.1	35.7	46.2	35.5	26.4	76.4	46.1		46.2
USG 7466nRR	USG	55.1	48.8	51.2	52.2	32.3	47.9	35.9	25.1	75.2	45.4		46.7
USG 74A27	USG	62.2	41.0	49.5	56.5	38.6	49.6	33.5	44.1	66.1	47.9		48.7
Overall Mean		59.3	54.9	44.8	53.1	36.6	49.7	32.7	35.4	75.4	47.8		48.8
LSD (.10)		4.9	11.6	8.0	4.6	3.8	—	6.3	7.2	8.4	—		—
Error degrees of freedom		124	124	124	124	124	—	124	124	124	—		—
CV (%)		6.1	15.6	13.1	6.5	7.6	—	14.4	15.1	8.3	—		—
R^2(%)		67	69	66	75	79	—	53	60	57	—		—

[1](E) = Experimental. (C) = Cruiser.

Table 6. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
47G3 NRR	AgVenture	53.1	51.2	46.3	56.5	51.8	30.4	24.8	64.8	40.0		45.9
49D6	AgVenture	49.3	61.9	55.3	57.5	56.0	31.3	19.8	79.5	43.5		49.8
AV XP47A (E)	AgVenture	57.1	57.7	55.2	61.4	57.9	32.7	29.0	71.9	44.5		51.2
AV XP47B (E)	AgVenture	56.9	61.3	51.5	52.5	55.6	31.7	28.9	75.0	45.2		50.4
AV XP49A (E)	AgVenture	38.8	60.7	56.7	57.2	53.4	35.0	21.0	74.3	43.4		48.4
AV XP49B (E)	AgVenture	28.4	51.8	50.7	53.0	46.0	26.7	18.6	64.9	36.7		41.4
AV49J7NRR	AgVenture	56.1	56.4	42.4	55.4	52.6	33.2	27.0	68.6	42.9		47.8
DK 4995	Armor	45.5	61.9	66.5	52.7	56.7	31.2	22.4	70.9	41.5		49.1
Armor X4996 (E)	Armor	57.0	52.7	46.8	57.3	53.5	30.2	22.8	69.3	40.8		47.1
AG4703	Asgrow	64.6	40.9	37.7	57.8	50.3	33.6	27.9	75.9	45.8		48.0
AG4903	Asgrow	49.9	60.3	55.0	50.6	54.0	33.2	22.1	80.5	45.3		49.6
Asgrow EXP648AX (E)	Asgrow	48.5	43.9	43.5	46.5	45.6	32.3	19.2	71.5	41.0		43.3
4955RR	Croplan Genetics	48.1	70.4	52.4	54.8	56.4	29.2	21.0	85.5	45.2		50.8
DG 4780RR	Delta Grow	55.5	58.7	52.0	54.8	55.3	28.9	26.8	74.1	43.3		49.3
DG 4840RR	Delta Grow	60.9	53.0	46.8	52.7	53.4	35.7	25.1	76.1	45.6		49.5
DG 4860RR	Delta Grow	52.7	53.9	42.6	47.3	49.1	33.3	21.3	70.3	41.6		45.4
DG 4960RR	Delta Grow	47.1	50.7	46.8	62.1	51.7	37.5	28.5	73.6	46.5		49.1
DG 4970RR	Delta Grow	61.0	58.4	44.9	56.1	55.1	29.6	22.7	74.4	42.2		48.7
DG4770RR	Delta Grow	55.7	44.9	40.1	51.6	48.1	31.0	31.1	75.3	45.8		46.9
DG4975LARR	Delta Grow	55.1	67.4	54.1	58.0	58.7	38.7	23.5	83.9	48.7		53.7
DK 4763RR	Delta King	57.3	55.5	47.1	55.6	53.9	28.3	30.9	61.6	40.3		47.1
DK 4968	Delta King	51.7	67.6	46.5	54.4	55.1	31.8	33.3	80.6	48.6		51.8

[1](E) = Experimental. (G) = Gaucho.

Table 6 (cont.). Summary of Yields for Maturity Group IV Late Roundup Ready for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK XTJ847 (E)	Delta King	57.5	56.0	48.4	59.4	55.3	33.8	38.0	64.6	45.5		50.4
DK XTJ848 (E)	Delta King	66.2	59.5	47.4	57.5	57.7	27.1	29.5	76.4	44.3		51.0
DK4866	Delta King	58.1	65.3	49.9	61.0	58.6	37.0	20.2	82.1	46.4		52.5
DK4967RR	Delta King	54.5	58.1	49.6	51.2	53.4	33.3	26.3	66.5	42.0		47.7
DP 07-4950RR (E)	DPL	50.1	70.8	50.4	58.2	57.4	28.7	21.3	76.2	42.1		49.7
DP 4888RR/S	DPL	53.5	67.7	48.2	55.8	56.3	36.7	27.1	75.5	46.4		51.4
DP 4919 RR/S	DPL	60.2	54.2	48.9	52.2	53.9	36.3	26.1	75.0	45.8		49.8
DP4724RR	DPL	53.0	63.1	36.0	49.3	50.4	37.0	24.9	66.2	42.7		46.5
DPX 4727RR (E)	DPL	52.5	54.2	39.2	56.2	50.5	26.9	27.1	68.9	41.0		45.7
DG 35Z49	Dyna-Gro	49.4	43.8	48.8	45.4	46.9	32.5	20.2	89.8	47.5		47.2
DG 36Y48	Dyna-Gro	48.5	54.7	56.2	51.8	52.8	35.7	21.8	89.8	49.1		51.0
DG 37P49	Dyna-Gro	48.2	58.1	52.5	59.1	54.5	37.2	27.1	84.4	49.6		52.0
DG 38X47	Dyna-Gro	58.1	37.5	51.3	55.0	50.5	33.7	30.8	69.8	44.8		47.6
HBK HX4843 (E)	Hornbeck	56.6	63.3	44.2	47.8	53.0	34.5	26.6	73.2	44.8		48.9
HBK R4727	Hornbeck	48.2	52.4	47.7	53.4	50.4	30.8	23.4	71.2	41.8		46.1
HBK R4924	Hornbeck	48.0	56.9	49.8	49.3	51.0	33.6	23.7	93.2	50.2		50.6
MorSoy RT 4914N	MorSoy	53.6	43.1	45.2	60.1	50.5	32.5	27.6	79.0	46.4		48.4
MorSoy RT 4955N	MorSoy	48.8	46.7	49.1	49.6	48.6	30.0	14.7	80.7	41.8		45.2
MorSoy RT4707N (E)	MorSoy	50.8	50.1	49.4	52.8	50.8	32.1	28.9	71.1	44.0		47.4
MorSoy RTS 4706N	MorSoy	55.0	42.0	40.3	56.7	48.5	34.7	23.7	87.4	48.6		48.6
NK S49-W6	NK Brand	50.2	54.1	40.9	58.3	50.9	30.3	23.3	74.6	42.7		46.8
94B73	Pioneer	68.4	57.2	45.2	58.1	57.2	31.7	37.6	67.3	45.5		51.4
94M71	Pioneer	57.0	51.9	45.9	52.1	51.7	26.7	30.3	67.6	41.5		46.6
94M80	Pioneer	54.7	47.5	39.7	50.4	48.1	33.0	31.3	73.0	45.8		46.9
P4807RR (E)	Progeny	58.6	54.4	54.2	55.4	55.7	33.1	23.0	75.9	44.0		49.8
Progeny 4706RR	Progeny	58.6	47.3	46.0	51.1	50.8	31.8	31.0	69.9	44.2		47.5
Progeny 4906RR	Progeny	53.4	68.3	56.9	58.1	59.2	33.2	19.2	85.3	45.9		52.5
Progeny 4949RR	Progeny	48.3	54.2	55.0	58.1	53.9	29.9	22.7	73.3	42.0		47.9
TN03-12RR (E)	Public	41.0	49.6	49.1	60.7	50.1	29.5	28.0	71.0	42.8		46.5
495.RC	Schillinger	56.6	47.0	56.6	53.4	53.4	33.5	29.3	80.5	47.8		50.6
495.RC (G)	Schillinger	54.8	55.6	48.7	60.8	55.0	38.6	29.9	79.4	49.3		52.1
XP47 (E)	Schillinger	59.9	52.2	52.0	58.6	55.7	36.8	30.8	73.5	47.0		51.4
XP49 (E)	Schillinger	50.7	57.9	51.5	54.4	53.6	35.3	23.0	77.3	45.2		49.4
TV47R17	Terral	45.0	53.8	60.8	46.9	51.6	30.9	19.7	69.4	40.0		45.8
TV48R14	Terral	50.1	49.6	45.8	55.6	50.3	27.8	21.8	67.6	39.1		44.7
TV49R17	Terral	50.2	57.6	48.5	53.6	52.5	34.6	17.6	83.5	45.2		48.9
TV49R27	Terral	61.1	69.3	48.4	59.7	59.6	32.1	28.5	71.0	43.9		51.7
TVX47R018 (E)	Terral	54.9	59.9	51.1	54.8	55.2	32.1	25.2	72.7	43.3		49.3
TVX47R118 (E)	Terral	53.3	61.3	45.2	52.6	53.1	34.9	26.9	68.1	43.3		48.2
TVX48R018 (E)	Terral	51.8	66.5	48.3	50.8	54.4	37.1	22.7	74.5	44.8		49.6
USG 7494nRR	USG	57.7	54.7	39.3	54.5	51.6	34.3	27.6	72.8	44.9		48.2
USG 7495nRS	USG	48.9	55.1	50.4	53.0	51.9	32.3	12.9	87.7	44.3		48.1
USG 74F78	USG	56.2	50.7	47.0	54.6	52.1	36.0	28.1	66.6	43.6		47.8
Overall Mean		53.3	55.6	48.6	54.7	53.1	32.7	25.3	74.4	44.1		48.6
LSD (.10)		5.7	10.7	7.5	4.3	—	5.5	7.6	12.6	—		—
Error degrees of freedom		128	128	128	128	—	128	127	127	—		—
CV (%)		7.9	14.3	11.4	5.9	—	12.5	22.2	12.5	—		—
R^2(%)		79	78	65	70	—	48	55	58	—		—

[1](E) = Experimental. (G) = Gaucho.

Table 7. Summary of Yields for Maturity Group V Early Roundup Ready for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 568RR	AgSouth	67.6	54.8	70.5	64.3	24.0	30.0	76.1	43.4		53.8
52P2	AgVenture	35.2	44.5	64.3	48.0	27.3	20.1	63.9	37.1		42.6
AV 50D2NRR	AgVenture	38.6	40.4	52.2	43.7	20.0	19.4	61.8	33.7		38.7
AV 53D3NRR	AgVenture	39.0	44.2	62.2	48.5	26.8	14.1	74.8	38.6		43.5
AV 54D4	AgVenture	38.7	50.7	61.9	50.4	24.4	11.2	63.9	33.2		41.8
AV 54P1NRR	AgVenture	45.9	48.8	58.2	51.0	24.6	23.1	53.5	33.7		42.4
AV XP54A	AgVenture	37.9	41.1	53.4	44.1	20.0	21.3	55.3	32.2		38.2
AV XP56	AgVenture	51.3	61.5	69.9	60.9	21.7	25.0	71.9	39.5		50.2
Armor GP 513	Armor	48.1	54.1	63.4	55.2	24.7	22.0	64.6	37.1		46.2
Armor GP-500	Armor	45.2	49.9	64.9	53.3	30.7	13.0	76.2	40.0		46.7
Armor GP-533	Armor	56.7	61.0	66.5	61.4	29.9	17.8	76.7	41.5		51.4
AG5501	Asgrow	51.2	40.9	61.6	51.2	21.3	18.6	68.9	36.3		43.8
RC 5007	Croplan Genetics	51.7	40.7	55.6	49.3	17.6	18.2	63.9	33.2		41.3
RC 5332	Croplan Genetics	45.5	48.3	57.9	50.6	26.0	21.9	58.1	35.3		43.0
RC 5555	Croplan Genetics	42.8	35.8	62.1	46.9	24.0	22.7	74.8	40.5		43.7
DG 5270RR	Delta Grow	54.8	43.3	53.1	50.4	21.8	15.4	65.4	34.2		42.3
DG 5450RR	Delta Grow	45.2	50.0	58.8	51.3	22.8	26.5	65.7	38.3		44.8
DG 5555RR	Delta Grow	64.8	60.5	66.3	63.9	34.1	30.6	70.6	45.1		54.5
DG 5570RR	Delta Grow	53.5	47.9	65.7	55.7	27.7	36.0	66.8	43.5		49.6
DG 5630RR	Delta Grow	54.2	51.1	64.5	56.6	20.0	24.5	63.6	36.0		46.3
DG5160RR	Delta Grow	50.9	38.4	50.0	46.4	24.8	9.8	73.7	36.1		41.3
DG5300RR	Delta Grow	38.5	40.7	59.3	46.2	23.3	18.1	68.2	36.5		41.4
DG5470RR	Delta Grow	46.2	47.7	52.3	48.7	25.8	13.7	68.3	35.9		42.3
DK 5066RR	Delta King	57.8	44.8	51.8	51.5	22.3	12.5	63.6	32.8		42.1
DK 5068RR	Delta King	63.3	57.5	60.3	60.4	23.8	16.5	75.9	38.7		49.6
DK 5161RR	Delta King	45.1	51.1	66.3	54.2	26.4	18.1	59.3	34.6		44.4
DK 52K6	Delta King	61.2	59.8	72.8	64.6	26.0	24.6	78.0	42.9		53.7
DK 5366RR	Delta King	54.6	63.0	67.8	61.8	26.0	20.5	76.6	41.0		51.4
DK 5368	Delta King	54.8	59.1	68.8	60.9	26.7	24.9	66.7	39.4		50.2
DK 5567RR	Delta King	41.2	52.2	66.5	53.3	23.7	21.9	54.5	33.4		43.3
DK XTJ851	Delta King	37.5	57.9	65.6	53.7	24.5	13.0	59.0	32.2		42.9
DK55T6RR	Delta King	63.2	54.3	64.8	60.8	24.7	24.4	61.6	36.9		48.8
DP 51-103RR	DPL	58.0	51.8	51.1	53.6	25.0	14.4	58.8	32.7		43.2
DP 5115RR/S	DPL	57.7	45.7	51.8	51.7	25.0	17.8	58.3	33.7		42.7
DP 5335RR/S	DPL	61.7	54.0	55.3	57.0	27.4	16.0	64.1	35.8		46.4
DP5414RR	DPL	53.3	45.6	56.5	51.8	23.5	17.1	71.0	37.2		44.5
DP5634RR	DPL	55.4	59.6	65.4	60.1	19.7	31.1	74.7	41.8		51.0
DG 31R54	Dyna-Gro	48.7	54.3	59.4	54.1	29.3	30.2	67.6	42.4		48.3
DG 32A53	Dyna-Gro	49.9	54.7	66.0	56.9	28.8	20.1	61.8	36.9		46.9
DG 33B52	Dyna-Gro	53.7	53.8	68.9	58.8	27.5	23.6	68.4	39.8		49.3
DG 33P54	Dyna-Gro	44.1	37.7	55.9	45.9	29.0	21.7	54.7	35.1		40.5
DG 33X55	Dyna-Gro	56.2	55.4	71.4	61.0	24.2	26.2	69.4	39.9		50.5
DG 34J56	Dyna-Gro	48.4	60.1	62.3	56.9	26.9	24.9	66.9	39.6		48.3
DG 39F51	Dyna-Gro	48.6	42.4	55.0	48.7	22.0	17.8	72.8	37.5		43.1
ESXVT-110RR	Eagle Seed	32.6	42.7	64.0	46.4	21.8	30.1	58.5	36.8		41.6
ESXVT-111	Eagle Seed	36.8	41.1	59.9	45.9	26.6	22.0	71.5	40.0		43.0
ESXVT-155	Eagle Seed	32.0	43.0	65.7	46.9	24.3	14.8	56.0	31.7		39.3
ESXVT-16	Eagle Seed	47.5	46.3	58.6	50.8	24.5	28.2	63.4	38.7		44.8
ESXVT-173	Eagle Seed	48.2	51.7	58.2	52.7	28.1	18.5	46.9	31.2		41.9
ESXVT-425	Eagle Seed	44.9	70.9	60.2	58.7	19.1	32.5	62.4	38.0		48.3
ESXVT-518	Eagle Seed	44.1	46.2	52.8	47.7	26.3	11.4	52.3	30.0		38.9
ESXVT-675	Eagle Seed	47.5	49.0	55.5	50.7	28.7	13.1	51.4	31.1		40.9
ESXVT-78	Eagle Seed	54.3	43.5	47.8	48.5	26.6	13.8	46.9	29.1		38.8
FFR 5116RR	FFR	45.8	40.8	58.5	48.4	19.1	14.2	65.6	33.0		40.7
FFR 5663RR	FFR	54.2	60.3	69.2	61.2	27.2	21.7	76.1	41.7		51.5
HBK R5226	Hornbeck	53.3	64.6	65.2	61.0	24.3	26.6	71.4	40.8		50.9
HBK R5425	Hornbeck	60.0	61.5	54.4	58.6	23.8	21.9	65.5	37.1		47.9
HBK R5525	Hornbeck	50.2	63.6	66.2	60.0	21.8	21.5	67.2	36.8		48.4
HBK RS5227	Hornbeck	48.0	46.9	57.8	50.9	21.9	15.5	63.2	33.5		42.2
MorSoy RT 5306N	MorSoy	48.0	38.8	58.5	48.4	26.7	16.8	77.5	40.3		44.4
MorSoy RT5107N	MorSoy	58.1	38.1	54.9	50.4	24.7	13.7	69.3	35.9		43.1
MorSoy RT5307N	MorSoy	50.8	39.7	50.9	47.1	25.6	23.8	72.6	40.7		43.9
MorSoy RT5407N	MorSoy	43.9	36.3	50.7	43.6	27.9	24.7	52.5	35.0		39.3
MPG 7552nRR	M-Pride	45.7	53.5	62.6	53.9	23.0	16.7	72.2	37.3		45.6
MPG 7554nRR	M-Pride	52.9	43.1	55.2	50.4	27.7	17.5	69.3	38.2		44.3

[1](E) = Experimental. (C) = Cruiser.

Table 7 (cont.). Summary of Yields for Maturity Group V Early Roundup Ready for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
MPG Exp.55-7nRR	M-Pride	40.8	40.8	51.2	44.3	20.8	14.0	64.4	33.1		38.7
NK S52-F2	NK Brand	53.1	53.4	64.3	56.9	21.5	25.5	55.2	34.1		45.5
NK S56-D (C)	NK Brand	62.9	65.6	63.4	64.0	27.5	20.0	73.5	40.3		52.2
NK S56-D7	NK Brand	55.2	57.8	65.2	59.4	22.7	22.4	71.2	38.8		49.1
95M30	Pioneer	43.0	56.4	65.4	54.9	20.6	22.6	61.2	34.8		44.9
95M50	Pioneer	46.4	53.5	62.9	54.3	22.1	20.9	69.5	37.5		45.9
P5207RR	Progeny	56.6	47.8	53.2	52.5	22.2	12.0	64.1	32.8		42.7
P5307RR	Progeny	52.0	39.7	49.2	47.0	21.4	15.8	57.0	31.4		39.2
P5407RR	Progeny	45.3	48.6	53.2	49.0	25.0	14.6	70.1	36.6		42.8
P5507RR	Progeny	37.7	37.1	57.2	44.0	27.3	17.6	46.7	30.5		37.3
Progeny 5115RR	Progeny	54.1	47.7	51.1	51.0	26.8	11.7	71.1	36.5		43.8
Progeny 5650RR	Progeny	55.0	60.9	67.2	61.0	27.2	28.2	72.1	42.5		51.8
557.RC	Schillinger	40.9	43.7	62.9	49.2	19.6	8.5	58.8	29.0		39.1
TV52R14	Terral	51.8	41.9	60.8	51.5	23.8	17.3	69.5	36.9		44.2
TV55R15	Terral	65.0	70.0	70.8	68.6	32.1	28.1	77.5	45.9		57.3
TVX52R018	Terral	49.8	35.9	51.5	45.7	22.9	17.2	63.6	34.6		40.2
TVX52R028	Terral	55.7	61.6	63.7	60.3	30.8	19.7	69.1	39.9		50.1
TVX52R128	Terral	57.6	52.6	62.9	57.7	27.3	22.4	61.4	37.0		47.4
TVX52R218	Terral	54.9	49.8	61.2	55.3	27.7	23.3	72.1	41.0		48.2
TVX53R018	Terral	54.9	53.9	66.2	58.3	22.4	22.4	64.4	36.4		47.4
TVX53R028	Terral	47.2	60.9	65.3	57.8	28.6	20.0	73.5	40.7		49.3
TVX53R118	Terral	47.6	63.4	63.0	58.0	22.5	24.5	67.9	38.3		48.2
TVX54R018	Terral	44.7	50.4	57.7	50.9	25.7	21.5	59.1	35.4		43.2
TVX56R018	Terral	55.8	62.9	66.6	61.8	33.3	29.3	67.5	43.4		52.6
USG 7553nRS	USG	39.0	30.7	61.3	43.7	23.5	19.9	57.9	33.8		38.7
USG 75J17	USG	53.2	45.7	53.8	50.9	18.7	12.0	66.5	32.4		41.7
USG Allen	USG	53.6	60.1	62.2	58.6	22.0	23.9	55.6	33.8		46.2
Overall Mean		49.9	50.3	60.4	53.5	24.8	20.3	65.5	36.9		45.2
LSD (.10)		12.6	10.1	5.0	—	5.8	6.0	10.2	—		—
Error degrees of freedom		182.0	182.0	181.0	—	182.0	182.0	182.0	—		—
CV (%)		18.7	14.9	6.1	—	17.2	22.1	11.5	—		—
R^2(%)		67.0	70.0	80.0	—	55.0	79.0	64.0	—		—

[1](E) = Experimental. (C) = Cruiser.

Table 8. Summary of Yields for Maturity Group V Late Roundup Ready for the 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 57D7RR	AgVenture	35.8	65.2	64.2	55.1	25.5	31.8	72.3	43.2		49.1
AG5903	Asgrow	36.9	59.4	67.2	54.5	25.1	31.4	62.9	39.8		47.2
AG5905	Asgrow	43.6	64.7	65.0	57.8	26.3	30.7	73.2	43.4		50.6
DG 5960RR	Delta Grow	40.9	63.3	60.5	54.9	25.2	29.3	66.7	40.4		47.7
DG 5970RR	Delta Grow	51.8	65.9	63.1	60.3	28.2	29.1	75.0	44.1		52.2
DG5830RR	Delta Grow	34.7	60.1	62.6	52.5	28.4	28.9	61.8	39.7		46.1
DP 5808RR	DPL	49.9	66.3	61.1	59.1	26.7	27.5	62.8	39.0		49.1
DP 5808RR(G)	DPL	40.8	61.3	63.5	55.2	26.7	27.5	61.5	38.6		46.9
DP 5914RR	DPL	37.4	57.2	65.3	53.3	24.8	25.3	71.8	40.6		47.0
DP J02-11943RR (E)	DPL	44.5	70.6	64.3	59.8	23.9	24.1	74.9	41.0		50.4
DP J02-11990RR (E)	DPL	44.8	57.1	62.0	54.6	22.8	23.2	74.3	40.1		47.4
DP5915RR	DPL	33.1	59.6	61.5	51.4	24.2	22.1	86.6	44.3		47.9
DG 32B57	Dyna-Gro	26.5	48.3	61.7	45.5	28.0	21.2	56.1	35.1		40.3
DG 33C59	Dyna-Gro	58.5	80.9	69.6	69.7	34.1	20.4	79.6	44.7		57.2
DG 3583NRR	Dyna-Gro	43.4	64.1	60.7	56.1	28.9	20.3	61.9	37.0		46.6
DG 36N57	Dyna-Gro	34.8	66.4	62.5	54.6	28.4	19.9	68.4	38.9		46.7
HBK R5825	Hornbeck	39.2	52.6	57.1	49.6	25.2	19.9	62.5	35.9		42.8
NK S59-B8	NK Brand	46.4	61.3	56.6	54.8	25.9	19.8	59.6	35.1		44.9
95M80	Pioneer	35.4	60.0	59.0	51.5	24.6	19.1	67.6	37.1		44.3
Progeny 5706RR	Progeny	47.1	71.9	66.7	61.9	23.6	18.3	69.7	37.2		49.6
TV57R14	Terral	32.2	51.0	61.9	48.4	28.0	18.2	54.2	33.5		40.9
TV57R16	Terral	45.5	68.0	63.5	59.0	27.2	17.2	70.0	38.1		48.6
TV59R16	Terral	52.0	75.8	69.1	65.6	33.1	14.9	72.5	40.2		52.9
USG 7582nRR	USG	50.9	64.9	61.2	59.0	24.9	14.4	69.2	36.2		47.6
Overall Mean		41.9	63.2	62.9	56.0	26.7	23.1	68.1	39.3		47.7
LSD (.10)		46	9.4	5.2	—	5.5	5.9	14.1	—		—
Error degrees of freedom		46	46	46	—	46	46	46	—		—
CV (%)		16.3	10.9	6.1	—	15.0	18.7	15.1	—		—
R^2(%)		70	65	55	—	44	79	51	—		—

[1](E) = Experimental. (G) = Gaucho.

Table 9. Summary of 2-Year Yields for Maturity Group IV for the 2006 and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		bu/A	*bu/A*	*bu/A*
DP4748S	DPL	48.9	60.6	54.8
HBK C4926	Hornbeck	75.3	68.6	71.9
UA 4805	Public	61.3	46.8	54.1
Overall Mean		61.8	58.7	60.2

[1]All are released varieties.

Table 10. Summary of 2-Year Yields for Maturity Group V Early for the 2006 and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		bu/A	*bu/A*	*bu/A*
DP5110S	DPL	62.4	62.8	62.6
HBK C5025	Hornbeck	75.8	64.8	70.3
USG 5002T	USG	62.8	60.5	61.7
USG 5601T	USG	57.8	57.6	57.7
DB01-5289 (E)	Public	67.0	54.8	60.9
Jake	Public	72.1	63.4	67.8
Ozark	Public	54.0	56.6	55.3
Stoddard	Public	64.2	60.5	62.4
Overall Mean		64.6	60.1	62.4

[1](E) = Experimental.

Table 11. Summary of 2-Year Yields for Maturity Group V Late for the 2006 and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
	bu/A	*bu/A*	*bu/A*	
HBK C5894	Hornbeck	70.7	68.6	69.7
Overall Mean		70.7	68.6	69.7

[1]All are released varieties.

Table 12. Summary of 2-Year Yields for Maturity Group III Roundup Ready for the 2006 and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AV38T7NRR	Agventure	34.5	26.7	31.6	34.1	32.4
Armor 39-K4	Armor	41.2	35.9	38.5	40.7	39.2
AG3905	Asgrow	38.4	32.5	35.5	41.7	37.5
AG3906	Asgrow	38.7	32.7	35.7	46.9	39.4
DG 31J39	Dyna-Gro	33.8	30.4	32.1	37.7	34.0
HBK R3824	Hornbeck	32.7	30.0	31.3	40.7	34.5
MorSoy RT3906N	MorSoy	36.3	31.5	33.9	38.4	35.4
Overall Mean		36.5	31.7	34.1	40.0	36.1

[1]All are released varieties.

Table 13. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2006 and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 44D4NRR	AgVenture	45.3	40.0	45.0	58.7	30.7	43.9	39.6	60.0	49.8		46.9
Armor GP-454	Armor	42.3	40.6	47.4	58.1	31.4	44.0	35.4	52.9	44.2		44.1
AG4403	Asgrow	44.6	34.8	52.8	61.5	31.2	45.0	40.8	57.6	49.2		47.1
AG4404	Asgrow	40.2	37.1	47.6	58.8	30.9	42.9	42.2	52.3	47.3		45.1
AG4703	Asgrow	49.3	38.2	54.5	68.0	32.3	48.5	41.5	51.0	46.3		47.4
Asgrow DKB46-51	Asgrow	48.4	40.9	54.0	67.3	32.3	48.6	45.8	45.9	45.9		47.2
RC4655RR	Croplan Genetics	40.5	27.3	51.9	53.8	19.9	38.7	30.6	56.5	43.6		41.1
DG4150RR	Delta Grow	30.9	38.7	40.1	60.9	33.1	40.7	44.0	53.1	48.6		44.6
DG4460RR	Delta Grow	38.5	40.8	43.4	54.3	31.3	41.7	44.6	57.0	50.8		46.2
DG4660RR	Delta Grow	53.3	38.6	59.2	68.6	26.1	49.2	38.8	62.5	50.7		49.9
DK 4567	Delta King	41.5	37.7	50.4	64.9	26.4	44.2	42.7	51.8	47.3		45.7
DK 4667	Delta King	60.4	38.0	58.1	69.2	28.3	50.8	35.1	63.0	49.1		49.9
DP 4112 RR/S	DPL	54.4	41.3	43.4	61.8	31.0	46.4	36.2	51.8	44.0		45.2
DP4450RR	DPL	45.1	42.1	46.5	59.9	27.6	44.2	37.8	56.0	46.9		45.6
DP 4546RR	DPL	57.2	33.3	52.9	63.1	26.0	46.5	35.7	59.5	47.6		47.1
DG 32R46	Dyna-Gro	44.4	36.1	62.6	68.7	21.7	46.7	37.2	61.6	49.4		48.1
DG 35B40	Dyna-Gro	36.2	36.7	42.1	60.3	31.3	41.3	43.2	55.4	49.3		45.3
DG 37A44	Dyna-Gro	44.7	36.9	49.3	60.4	29.8	44.2	44.5	58.5	51.5		47.9
DG 37F46	Dyna-Gro	57.8	36.7	60.3	69.1	29.2	50.6	40.3	60.6	50.5		50.5
HBK R3824	Hornbeck	42.1	37.9	46.7	52.5	32.4	42.3	38.8	56.0	47.4		44.9
MorSoy RT 4485N	MorSoy	46.0	40.2	44.5	61.5	31.1	44.7	41.0	62.5	51.8		48.2
NK S43-B1	NK Brand	46.8	36.2	46.8	63.2	28.0	44.2	41.7	50.8	46.3		45.2
NK S46-U6	NK Brand	53.0	43.9	53.0	71.5	33.9	51.1	43.8	58.8	51.3		51.2
94M31	Pioneer	35.3	37.2	43.6	60.6	28.1	41.0	35.4	54.4	44.9		42.9
94M50	Pioneer	44.3	39.8	47.0	64.2	30.8	45.2	42.7	45.2	44.0		44.6
Progeny 4206RR	Progeny	43.6	40.9	52.2	68.7	35.2	48.1	40.6	55.7	48.2		48.1
Progeny 4405RR	Progeny	40.4	35.5	45.2	53.7	29.9	40.9	40.6	53.3	47.0		43.9
4782-4	Stine	49.3	41.1	62.0	66.1	25.1	48.7	33.5	65.1	49.3		49.0
TV44R27	Terral	47.8	36.7	45.2	58.5	33.7	44.4	40.5	55.9	48.2		46.3
TV45R14	Terral	49.5	35.0	43.3	55.8	29.4	42.6	33.9	51.2	42.6		42.6
TV46R15	Terral	45.5	36.1	53.8	62.4	30.0	45.6	36.4	55.3	45.9		45.7
USG 7440nRR	USG	42.8	34.7	50.8	60.3	30.5	43.8	37.5	58.7	48.1		46.0
USG 7466nRR	USG	48.1	34.4	60.2	68.8	27.2	47.7	38.9	60.3	49.6		48.7
Overall Mean		46.7	37.2	52.6	63.8	29.0	45.8	39.3	60.2	49.7		47.8

[1]All are released varieties.

Table 14. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2006 and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 47G3NRR	AgVenture	48.3	39.0	54.1	63.7	51.3	32.9	49.7	41.3		46.3
AV 49D6NRR	AgVenture	55.0	33.8	63.0	68.2	55.0	38.1	56.9	47.5		47.5
AV 49J7NRR	AgVenture	45.3	37.7	57.7	63.4	51.0	42.4	54.3	48.4		49.7
AG4703	Asgrow	32.7	42.5	55.7	64.0	48.7	37.1	59.6	48.4		48.5
AG4903	Asgrow	53.5	33.4	64.7	62.9	53.6	34.5	62.6	48.6		51.1
RC4955RR	Croplan Genetics	56.5	31.6	60.1	67.2	53.9	39.0	54.5	46.8		50.3
DG4770RR	Delta Grow	36.7	41.1	49.3	61.8	47.2	34.7	61.2	48.0		47.6
DG4840RR	Delta Grow	43.8	39.0	56.8	63.2	50.7	35.2	53.1	44.2		47.4
DG4860RR	Delta Grow	43.3	38.1	57.7	60.3	49.9	31.8	58.4	45.1		47.5
DG4960	Delta Grow	43.3	29.0	55.2	66.0	48.4	40.3	55.3	47.8		48.1
DG4970RR	Delta Grow	44.8	38.5	56.1	57.6	49.3	36.7	56.3	46.5		47.9
DG4975LARR	Delta Grow	59.5	35.7	62.3	69.7	56.8	33.8	66.6	50.2		53.5
DK4763	Delta King	42.1	39.8	56.0	54.1	48.0	33.8	47.5	40.7		44.3
DK4866	Delta King	53.0	37.0	66.6	70.8	56.9	32.2	57.0	44.6		50.7
DK4967	Delta King	46.8	36.9	60.4	62.1	51.6	30.3	54.1	42.2		46.9
DK4968	Delta King	53.4	33.9	58.7	58.0	51.0	42.1	59.5	50.8		50.9
DP 4724RR	DPL	50.0	33.3	55.3	61.1	49.9	34.7	52.9	43.8		46.9
DP 4888RR/S	DPL	47.3	36.4	59.0	63.7	51.6	38.7	66.5	52.6		52.1
DP 4919RR/S	DPL	51.0	40.9	57.0	62.4	52.8	36.1	57.9	47.0		49.9
DG 35Z49	Dyna Gro	40.1	34.2	61.3	62.3	49.5	36.5	64.7	50.6		50.0
DG 36Y48	Dyna Gro	52.1	31.1	64.0	61.0	52.1	36.0	68.1	52.1		52.1
DG 37P49	Dyna-Gro	52.3	33.5	64.8	69.2	55.0	41.2	63.1	52.2		53.6
HBK R4924	Hornbeck	49.2	31.1	58.6	62.2	50.3	35.9	65.6	50.8		50.5
HBK HX4843 (E)	Hornbeck	53.8	37.8	54.0	57.5	50.8	38.3	59.4	48.9		49.8
MorSoy RTS4706N	MorSoy	41.2	37.0	56.3	67.0	50.4	29.6	66.5	48.1		49.2
MorSoy RT4914N	MorSoy	42.4	37.4	59.3	64.1	50.8	38.9	60.8	49.9		50.3
MorSoy RTS4955N	MorSoy	50.7	32.6	61.5	64.4	52.3	30.8	58.5	44.7		48.5
NK S49-W6	NK Brand	56.9	—	55.2	64.1	58.7	30.1	56.4	43.3		51.0
94B73	Pioneer	47.7	50.3	54.1	63.7	54.0	38.4	53.5	46.0		50.0
94M80	Pioneer	37.3	38.0	51.1	56.5	45.7	31.8	57.1	44.5		45.1
Progeny 4706RR	Progeny	40.7	41.9	58.4	61.8	50.7	38.1	56.8	47.5		49.1
Progeny 4906RR	Progeny	60.8	36.2	66.0	71.3	58.6	33.9	66.3	50.1		54.3
Progeny 4949RR	Progeny	52.2	33.7	61.9	64.9	53.2	31.8	60.5	46.2		49.7
495.RC	Schillinger	44.0	41.1	64.1	59.4	52.2	40.4	63.5	52.0		52.1
TV47R17	Terral	48.3	30.8	67.5	60.2	51.7	30.0	52.6	41.3		46.5
TV48R14	Terral	47.4	34.8	53.0	63.0	49.6	35.5	54.0	44.8		47.2
TV49R17	Terral	55.4	35.7	59.5	65.4	54.0	30.9	56.7	43.8		48.9
TV49R27	Terral	55.0	41.7	59.2	68.2	56.0	35.2	53.7	44.5		50.2
USG 7494nRR	USG	46.5	39.7	55.7	65.9	52.0	35.2	59.6	47.4		49.7
Overall Mean		48.0	36.7	58.8	63.4	51.7	35.6	58.5	47.1		49.4

[1](E) = Experimental.

Table 15. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2006 and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 568RR	AgSouth	62.2	67.1	72.7	67.3	38.7	56.5	47.6		57.5
AV 50D2NRR	AgVenture	42.7	56.4	59.6	52.9	34.5	51.4	43.0		47.9
AV 52P2	Agventure	49.0	55.5	69.5	58.0	31.8	51.1	41.5		49.7
AV 54D4	AgVenture	49.2	57.0	65.3	57.2	25.9	46.1	36.0		46.6
Armor GP-513	Armor	53.4	63.2	71.2	62.6	34.2	51.3	42.8		52.7
Armor GP-533	Armor	56.6	70.8	70.3	65.9	30.1	49.1	39.6		52.8
AG5501	Asgrow	51.6	56.2	64.5	57.4	32.8	51.4	42.1		49.8
DG5160RR/STS	Delta Grow	51.4	55.1	62.4	56.3	28.1	56.6	42.4		49.3
DG5300RR	Delta Grow	42.4	54.2	67.2	54.6	32.2	55.1	43.7		49.1
DG5470RR/STS	Delta Grow	50.4	54.9	59.5	54.9	26.4	51.0	38.7		46.8
DG5630RR	Delta Grow	54.4	58.7	66.1	59.7	38.4	40.7	39.6		49.6
DK5066	Delta King	60.7	56.9	65.5	61.0	26.4	52.5	39.5		50.2
DK5068	Delta King	61.9	68.8	67.3	66.0	31.9	61.4	46.7		56.3
DK5161	Delta King	50.7	63.6	72.3	62.2	29.2	48.9	39.1		50.6
DK52K6	Delta King	63.1	67.1	74.4	68.2	36.8	55.1	46.0		57.1
DK5366	Delta King	60.0	68.6	72.7	67.1	30.5	48.8	39.7		53.4
DK5368	Delta King	61.3	68.0	72.5	67.3	33.4	54.2	43.8		55.5
DK5567	Delta King	47.9	58.5	70.7	59.0	30.9	42.0	36.5		47.7
DK55T6	Delta King	62.1	60.2	69.5	63.9	35.6	44.0	39.8		51.9
DP5414RR	DPL	51.6	56.3	62.3	56.7	27.4	54.0	40.7		48.7
DP5634RR	DPL	63.2	65.3	72.2	66.9	39.3	53.8	46.6		56.7
DP5115RR/S	DPL	57.6	56.4	60.0	58.0	28.8	42.1	35.5		46.7
DG32A53	Dyna-Gro	56.8	61.9	71.3	63.3	31.2	53.0	42.1		52.7
DG33B52	Dyna-Gro	54.0	60.7	71.5	62.1	31.7	56.0	43.9		53.0
DG33X55	Dyna-Gro	57.9	63.6	72.2	64.6	33.9	55.1	44.5		54.5
DG34J56	Dyna-Gro	54.6	67.6	68.4	63.5	38.0	49.9	44.0		53.7
ESXVT-16RR (E)	Eagle Seed	54.2	57.6	55.9	55.9	29.4	49.8	39.6		47.8
ESXVT-78RR (E)	Eagle Seed	56.1	47.7	53.6	52.5	29.8	36.0	32.9		42.7
ESXVT-110RR (E)	Eagle Seed	46.1	54.8	65.3	55.4	39.5	42.2	40.9		48.1
ESXVT-111RR (E)	Eagle Seed	46.4	53.4	65.0	54.9	30.7	52.2	41.5		48.2
ESXVT-155RR (E)	Eagle Seed	44.0	55.1	63.1	54.1	28.1	52.9	40.5		47.3
ESXVT-173RR (E)	Eagle Seed	52.0	54.4	58.6	55.0	31.4	30.6	31.0		43.0
ESXVT-518RR (E)	Eagle Seed	52.4	56.5	52.8	53.9	27.1	42.8	35.0		44.4
ESXVT-675RR (E)	Eagle Seed	50.4	51.9	60.1	54.1	27.9	38.2	33.1		43.6
FFR 5116RR	FFR	47.4	58.6	66.5	57.5	30.2	52.8	41.5		49.5
FFR 5663RR	FFR	59.5	69.0	68.6	65.7	38.5	55.6	47.1		56.4
HBK R5226	Hornbeck	56.7	68.3	70.4	65.1	35.1	53.2	44.2		54.6
HBK R5425	Hornbeck	58.3	60.8	58.2	59.1	32.0	43.3	37.7		48.4
HBK R5525	Hornbeck	52.4	67.2	68.5	62.7	32.0	49.1	40.6		51.6
MPG 7552nRR	M-Pride	45.7	64.5	68.2	59.5	27.1	53.2	40.2		49.8
MPG 7554nRR	M-Pride	52.8	51.1	63.1	55.7	27.3	49.8	38.6		47.1
Morsoy RT 5306N	Morsoy	42.6	53.7	62.0	52.8	30.4	54.6	42.5		47.6
NK S52-F2	NK Brand	59.2	58.9	68.0	62.0	34.5	46.4	40.5		51.2
NK S56-D7	NK Brand	66.1	65.1	72.2	67.8	35.6	49.6	42.6		55.2
95M30	Pioneer	51.2	62.6	67.4	60.4	32.1	46.7	39.4		49.9
95M50	Pioneer	51.7	63.8	65.8	60.4	30.9	49.8	40.4		50.4
Progeny 5115RR	Progeny	56.0	57.3	64.3	59.2	25.1	52.7	38.9		49.1
Progeny 5650RR	Progeny	55.5	67.4	71.0	64.6	38.0	48.3	43.2		53.9
TV52R14	Terral	54.6	56.3	61.6	57.5	30.9	55.7	43.3		50.4
TV55R15	Terral	64.9	74.2	77.9	72.3	37.5	61.3	49.4		60.9
USG 7553nRR	USG	39.6	48.0	65.2	50.9	33.2	47.3	40.3		45.6
Overall Mean		53.8	60.1	66.5	60.1	32.0	49.6	40.8		50.5

[1](E) = Experimental.

Table 16. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2006 and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 57D7NRR	AgVenture	41.3	70.0	68.2	59.8	34.3	53.4	43.9		51.8
AG5903	Asgrow	44.6	63.5	67.3	58.5	32.0	45.8	38.9		48.7
AG5905	Asgrow	57.6	67.0	67.9	64.2	32.3	49.6	41.0		52.6
AG5830RR	Delta Grow	44.1	64.2	68.5	58.9	38.9	42.8	40.9		49.9
DG5960RR	Delta Grow	38.4	59.4	57.4	51.7	30.7	45.9	38.3		45.0
DP5808RR	DPL	54.2	74.3	67.4	65.3	36.6	44.9	40.8		53.0
DP5914RR	DPL	43.0	62.0	66.7	57.2	33.2	54.2	43.7		50.5
DP5915RR	DPL	41.7	62.5	60.4	54.9	41.8	53.2	47.5		51.2
DG3583NRR	Dyna-Gro	49.4	66.0	62.3	59.2	34.1	46.9	40.5		49.9
DG36N57	Dyna-Gro	45.2	71.0	66.0	60.7	33.3	50.3	41.8		51.3
HBK R5825	Hornbeck	52.5	61.4	65.4	59.8	33.1	42.5	37.8		48.8
NK S59-B8	NK Brand	53.1	62.3	62.0	59.1	38.2	36.8	37.5		48.3
95M80	Pioneer	42.6	64.6	63.4	56.9	34.3	47.3	40.8		48.8
Progeny 5706RR	Progeny	55.2	73.2	69.7	66.0	38.1	47.7	42.9		54.5
TV57R14	Terral	39.5	59.5	64.1	54.4	36.0	46.2	41.1		47.7
TV57R16	Terral	47.3	70.7	65.5	61.2	31.0	55.6	43.3		52.2
TV59R16	Terral	57.0	76.7	73.8	69.2	39.1	51.0	45.1		57.1
USG 7582nRR	USG	55.9	65.2	62.8	61.3	36.2	50.8	43.5		52.4
Overall Mean		47.9	66.3	65.5	59.9	35.2	48.1	41.7		50.8

[1]All are released varieties.

Table 17. Summary of 3-Year Yields for Maturity Group IV for the 2005, 2006, and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		bu/A	*bu/A*	*bu/A*
DP4748S	DPL	51.4	60.9	56.1
UA 4805	Public	60.7	52.2	56.5
Overall Mean		56.0	56.6	56.3

[1]All are released varieties.

Table 18. Summary of 3-Year Yields for Maturity Group V Early for the 2005, 2006, and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		bu/A	*bu/A*	*bu/A*
DP5110S	DPL	67.7	62.2	65.0
HBK C5025	Hornbeck	76.8	60.7	68.8
USG 5002T	USG	64.7	61.8	63.3
USG 5601T	USG	62.6	59.1	60.9
Jake	Public	72.1	61.4	66.8
Ozark	Public	56.5	57.1	56.8
Stoddard	Public	63.9	61.3	62.6
Overall Mean		66.7	60.4	63.6

[1]All are released varieties.

Table 19. Summary of 3-Year Yields for Maturity Group V Late for the 2005, 2006, and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Overall avg.
		bu/A	*bu/A*	*bu/A*
HBK C5894	Hornbeck	73.7	62.1	67.9
Overall Mean		73.7	62.1	67.9

[1]All are released varieties.

Table 20. Summary of 3-Year Yields for Maturity Group III Roundup Ready for the 2005, 2006, and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Nonirr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AV 38T7NRR	AgVenture	40.4	27.4	33.9	39.4	35.7
AG3905	Asgrow	41.5	31.4	36.5	42.3	38.4
AG3906	Asgrow	41.2	29.5	35.4	47.7	39.5
DG 31J39	Dyna-Gro	41.2	28.0	34.6	39.4	36.2
Overall Mean		41.0	29.1	35.1	42.2	37.4

[1]All are released varieties.

Table 21. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2005, 2006, and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 44D4NRR	AgVenture	55.7	46.6	49.9	60.3	31.0	48.7	45.8	59.0	52.4		50.6
Armor GP-454	Armor	52.1	44.7	55.7	63.6	31.2	49.5	42.2	58.6	50.4		49.9
AG4403	Asgrow	50.2	42.3	55.5	61.6	30.6	48.0	46.2	59.0	52.6		50.3
AG4404	Asgrow	48.0	40.5	50.8	59.3	29.3	45.6	47.4	52.8	50.1		47.8
AG4703	Asgrow	57.1	41.8	59.7	66.6	31.4	51.3	46.5	56.2	51.4		51.3
Asgrow DKB46-51	Asgrow	54.9	44.6	57.3	65.3	32.4	50.9	49.5	50.4	50.0		50.4
RC4655RR	Croplan Genetics	51.1	32.8	53.7	54.2	22.4	42.8	33.6	57.2	45.4		44.1
DG4150RR	Delta Grow	40.6	45.9	47.1	62.5	32.0	45.6	50.0	55.7	52.9		49.2
DG4460RR	Delta Grow	48.4	49.1	48.2	57.7	30.7	46.8	49.8	62.1	56.0		51.4
DG4660RR	Delta Grow	59.7	43.1	63.3	69.8	27.7	52.7	44.9	63.0	54.0		53.3
DK 4667	Delta King	66.6	44.6	62.3	68.5	28.5	54.1	43.1	62.4	52.8		53.4
DP4546RR	DPL	58.9	40.9	57.2	63.6	25.1	49.1	39.4	63.0	51.2		50.2
DG 35B40	Dyna Gro	42.8	41.3	48.4	61.2	31.6	45.1	48.3	56.9	52.6		48.8
DG 37A44	Dyna Gro	49.6	45.0	53.5	59.9	28.6	47.3	50.3	61.2	55.8		51.5
HBK R3824	Hornbeck	49.0	43.4	49.5	55.4	30.3	45.5	43.6	58.1	50.9		48.2
MorSoy RT 4485N	MorSoy	52.1	47.8	49.8	60.9	31.5	48.4	49.4	58.9	54.2		51.3
NK S43-B1	NK Brand	52.1	40.4	52.1	62.9	26.9	46.9	46.2	51.1	48.7		47.8
Progeny 4405RR	Progeny	46.8	43.5	49.3	57.0	30.7	45.5	47.6	55.8	51.7		48.6
TV45R14	Terral	53.7	41.9	49.3	57.6	27.1	45.9	36.2	53.7	45.0		45.4
TV46R15	Terral	54.0	44.0	56.4	61.8	29.9	49.2	41.1	55.4	48.3		48.7
USG 7440nRR	USG	49.8	42.9	55.1	61.4	30.4	47.9	43.6	59.5	51.6		49.7
USG 7466nRR	USG	56.4	42.1	65.8	70.5	28.1	52.6	46.0.	58.0	52.0		52.3
Overall Mean		52.2	43.1	54.1	61.9	29.4	48.1	45.0	57.6	51.3		49.7

[1]All are released varieties.

Table 22. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2005, 2006, and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 49J7NRR	AgVenture	54.8	44.6	62.0	62.7	56.0	48.8	56.3	52.6		54.3
AG4703	Asgrow	48.5	45.2	59.2	65.0	54.5	45.3	57.8	51.6		53.0
AG4903	Asgrow	60.3	41.8	66.9	64.8	58.5	41.7	60.4	51.1		54.8
DG4840RR	Delta Grow	52.1	46.2	61.2	63.0	55.6	43.4	58.5	51.0		53.3
DG4860RR	Delta Grow	52.6	43.8	60.2	63.1	54.9	37.9	56.4	47.2		51.0
DG4960RR	Delta Grow	50.3	38.3	59.4	63.9	53.0	46.3	59.7	53.0		53.0
DG4970RR	Delta Grow	53.2	46.3	59.6	59.9	54.8	45.6	59.4	52.5		53.6
DK4763	Delta King	49.9	43.9	58.8	57.4	52.5	44.6	49.2	46.9		49.7
DK4866	Delta King	58.3	43.9	71.5	72.2	61.5	39.6	60.0	49.8		55.6
DK4967	Delta King	52.8	41.8	62.6	64.4	55.4	37.4	54.0	45.7		50.6
DP 4724RR	DPL	58.1	40.6	58.9	62.8	55.1	39.8	54.7	47.3		51.2
DP 4919RR/S	DPL	60.5	47.3	63.2	64.6	58.9	43.9	60.3	52.1		55.5
DG 35Z49	Dyna Gro	48.0	43.7	66.3	64.2	55.6	46.6	67.5	57.1		56.3
DG 36Y48	Dyna Gro	58.8	37.2	66.8	62.1	56.2	44.8	67.9	56.4		56.3
HBK R4924	Hornbeck	57.7	40.5	64.3	63.1	56.4	43.0	66.8	54.9		55.7
MorSoy RT4914N	MorSoy	51.9	44.9	63.4	65.4	56.4	45.5	60.1	52.8		54.6
Morsoy RT4955N	MorSoy	58.1	39.6	64.6	64.9	56.8	42.0	59.6	50.8		53.8
94B73	Pioneer	54.9	51.2	59.0	66.8	58.0	40.9	52.2	46.6		52.3
94M80	Pioneer	47.0	43.9	52.9	59.1	50.7	36.9	58.1	47.5		49.1
Progeny 4949RR	Progeny	59.5	42.9	66.1	65.1	58.4	38.2	60.4	49.3		53.9
495.RC	Schillinger	54.8	47.5	66.0	64.1	58.1	50.2	65.1	57.7		57.9
TV47R17	Terral	54.0	39.6	69.8	60.3	55.9	38.7	58.0	48.4		52.1
TV48R14	Terral	53.3	40.5	60.1	64.0	54.5	42.4	57.6	50.0		52.2
TV49R17	Terral	59.3	40.5	64.6	64.4	57.2	39.9	59.6	49.8		53.5
USG 7494nRR	USG	55.3	44.2	60.5	65.9	56.5	41.1	59.3	50.2		53.3
Overall Mean		54.6	43.2	62.7	63.7	56.1	42.6	59.2	50.9		53.5

[1]All are released varieties.

Table 23. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2005, 2006, and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 50D2NRR	AgVenture	53.8	61.7	62.0	59.1	45.2	53.6	49.4		54.2
AV 54D4	AgVenture	52.4	60.3	62.1	57.7	28.7	45.8	37.3		47.5
Armor GP-513	Armor	56.2	66.9	68.9	63.3	35.0	51.9	43.5		53.4
AG5501	Asgrow	56.7	59.4	62.8	58.5	35.3	51.3	43.3		50.9
DG5160RR/STS	Delta Grow	56.7	60.2	65.0	59.0	30.9	56.6	43.8		51.4
DG5630RR	Delta Grow	58.6	62.1	59.4	60.9	37.8	43.9	40.9		50.9
DK5066	Delta King	65.2	62.2	65.9	63.2	29.0	52.0	40.5		51.9
DK5161	Delta King	56.1	63.4	67.0	61.0	31.5	49.2	40.4		50.7
DK5366	Delta King	60.6	70.8	67.6	67.4	35.1	47.8	41.5		54.4
DK5567	Delta King	49.4	60.4	66.2	56.7	33.2	42.7	38.0		47.3
DK55T6	Delta King	62.0	62.8	66.8	62.5	38.4	45.9	42.2		52.3
DP5414RR	DPL	55.6	61.0	57.6	59.2	29.9	54.5	42.2		50.7
DP5634RR	DPL	64.0	66.8	67.5	65.9	38.1	54.6	46.4		56.1
DP5115RR/S	DPL	61.6	61.0	56.5	61.2	31.1	44.8	38.0		49.6
DG33B52	Dyna-Gro	56.9	64.9	68.1	62.2	33.3	52.9	43.1		52.7
DG33X55	Dyna-Gro	61.2	66.5	64.9	64.7	36.8	56.2	46.5		55.6
ESXVT-110RR (E)	Eagle Seed	48.9	55.3	60.3	53.2	37.6	44.7	41.2		47.2
FFR 5663RR	FFR	60.0	60.2	65.4	60.1	38.5	56.8	47.7		53.9
HBK R5425	Hornbeck	56.9	63.9	53.1	61.6	34.6	40.9	37.8		49.7
HBK R5525	Hornbeck	57.4	67.2	66.0	63.9	34.5	51.2	42.9		53.4
NK S56-D7	NK Brand	64.7	64.1	65.8	64.3	37.6	53.2	45.4		54.9
95M50	Pioneer	55.9	66.1	61.8	62.7	32.4	52.3	42.4		52.5
Progeny 5115RR	Progeny	59.2	62.6	65.2	61.5	26.9	53.1	40.0		50.7
Progeny 5650RR	Progeny	58.2	68.1	65.7	64.8	38.5	50.5	44.5		54.7
TV52R14	Terral	57.2	61.2	60.8	59.9	31.5	54.2	42.9		51.4
TV55R15	Terral	62.5	74.3	68.3	70.4	37.2	59.6	48.4		59.4
USG 7553nRS	USG	45.4	52.3	62.3	50.0	35.8	47.9	41.9		45.9
Overall Mean		57.7	63.6	63.9	61.6	34.2	50.5	42.4		52.0

[1](E) = Experimental.

Table 24. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2005, 2006, and 2007 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr.	Delta avg.	Olive Branch	Warren County	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 57D7NRR	AgVenture	46.7	69.3	63.0	59.7	34.9	54.0	44.5		52.1
AG5903	Asgrow	48.6	64.3	59.6	57.5	33.2	50.7	42.0		49.7
AG5905	Asgrow	61.4	66.8	62.5	63.6	34.9	52.8	43.9		53.7
DG5830RR	Delta Grow	52.0	65.1	61.3	59.5	38.5	49.9	44.2		51.8
DG5960RR	Delta Grow	45.5	63.3	54.1	54.3	31.3	51.9	41.6		48.0
DP5808RR	DPL	58.2	73.3	63.2	64.9	36.2	50.8	43.5		54.2
DP5915RR	DPL	49.6	64.0	56.6	56.7	41.1	54.3	47.7		52.2
DG3583NRR	Dyna-Gro	54.6	65.4	57.4	59.1	35.1	49.5	42.3		50.7
DG36N57	Dyna-Gro	50.4	70.7	60.5	60.5	32.7	57.7	45.2		52.9
HBK R5825	Hornbeck	55.0	64.0	58.2	59.1	32.9	45.4	39.2		49.1
95M80	Pioneer	48.5	64.9	61.1	58.2	34.4	48.9	41.7		49.9
TV57R14	Terral	47.6	62.4	60.2	56.7	36.4	51.7	44.1		50.4
Overall Mean		51.5	66.1	59.8	59.1	35.1	51.5	43.3		51.2

[1]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. Soybeans emerged to a good stand. Temperatures were above normal during the growing season. Rainfall was below normal for April and May, but timely rainfall in June, July, and August helped produce better yields than expected yields. The Group IV Late test was lost due to combine problems followed by a period of extended wet weather at harvest. The irrigated trials were planted into soil conditions similar to the nonirrigated trials. Early irrigation offset the early-season moisture deficiency, and good yields were produced. Harvest of the irrigated trials was not delayed by weather.

Soil type	**Sharkey clay**
Soil pH	**7.3**
Soil fertility	**P=H; K=H**
Fertilizer added	**None**
Herbicide application	**Nonirrigated — Preemergence – Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 32 oz/A + Septer @ 2.86 oz/A + Ignite @ 32 oz/A (April 24)**
	Postemergence – Roundup Weathermax @ 22 oz/A (May 21)
	Roundup Weathermax @ 22 oz/A + Blazer Ultra @ 4 oz/A (June 11)
	Irrigated — Preemergence – Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 32 oz/A + Septer @ 2.86 oz/A + Ignite @ 32 oz/A (May 1)
	Postemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A (May 21)
	Conventional – First Rate @ 0.3 oz/A + Classic @ 0.33 oz/A (May 21)
	Roundup Ready – Roundup Weathermax @ 22 oz/A + Blazer Ultra @ 4 oz/A (June 11)
	Conventional – Classic @ .66 oz/A + First Rate @ 0.3 oz/A (June 11)
	Roundup Ready – Roundup Weathermax # 22 oz/A + First Rate @ 0.15 oz/A + Blazer Ultra @ 6 oz/A Layby (June 28)
	Conventional – Pursuit @ 1.44 oz/A + Blazer Ultra @ 6 oz/A + Select @ 10 oz/A Layby (June 28)
Insecticide	**Nonirrigated – Intrepid @ 4 oz/A + Mustang Max @ 4 oz/A (April 18)**
Insecticide/Fungicide	**Irrigated – Intrepid @ 4 oz/A + Mustang Max @ 4 oz/A (April 18)**
	Stratego @ 10 oz/A + Intrepid @ 6 oz/A + Orthene @ 1 lb/A (Aug. 23)
Irrigation	**May 29, June 12, Aug. 1, Aug. 16, and Aug. 24**
Planting date	**May 23**
Harvest date	**Group III – Aug. 20; Group IV E NI – Aug. 23**
	Group IV Conv. and RR – Sept. 20; Group V E and L, Conv. and RR – Oct. 11

Rainfall Summary

	Inches
April	**3.38**
May	**1.27**
June	**3.91**
July	**7.74**
August	**3.43**
September	**4.65**
October	**3.78**
Total	**28.16**

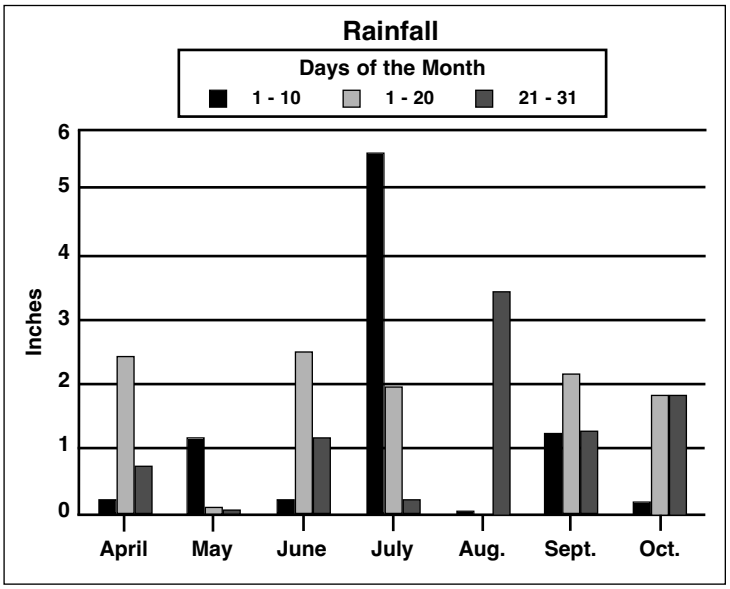

Table 25. Maturity Group IV Soybeans Planted April 18, 2007, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C4926	Hornbeck	—	77.8	59.3	9/12	38	1
UA4805	Public	63.1	35.4	58.1	9/10	21	1
DP4748S	DPL	61.5	68.0	53.1	9/10	40	1
Overall Mean		61.9	59.0	56.8			
LSD (.10)				8.3			
Error degrees of freedom				4			
CV (%)				8.4			
R^2 (%)				49			

[1]Sharkey clay soil. All are released varieties.

Table 26. Maturity Group V Early Soybeans Planted April 18, 2007, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
Jake	Public	57.5	54.0	72.7	9/21	22	1
Stoddard	Public	62.9	54.7	66.3	9/19	23	1
DB03-1381 (E)	Public	—	—	64.4	9/23	25	1
HBK C5025	Hornbeck	52.6	65.6	63.9	9/21	47	3
DB03-8416 (E)	Public	—	—	62.8	9/21	27	1
Ozark	Public	58.1	50.9	62.2	9/21	26	1
DB01-5289 (E)	Public	—	48.1	61.4	9/15	27	1
USG 5601T	USG	62.0	55.4	59.9	9/20	21	1
USG 5002T	USG	64.3	61.3	59.7	9/14	24	1
DB02-2517 (E)	Public	—	—	59.6	9/11	30	1
DB03-2811 (E)	Public	—	—	58.8	9/19	28	1
DB03-10440 (E)	Public	—	—	54.6	9/8	25	1
DP5110S	DPL	61.1	72.8	52.8	9/13	43	3
Overall Mean		58.9	57.3	61.5			
LSD (.10)				5.1			
Error degrees of freedom				24			
CV (%)				5.9			
R^2 (%)				76			

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

Table 27. Maturity Group V Late Soybeans Planted April 18, 2007, and Irrigated (Delta Branch Experiment Station, Stoneville)[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C5894	Hornbeck	49.2	68.0	69.3	9/22	36	2
Osage	Public	—	—	69.2	9/24	24	1
Overall Mean		49.6	61.8	69.2			
LSD (.10)				8.3			
Error degrees of freedom				2			
CV (%)				5.0			
R^2 (%)				28			

[1]Sharkey clay soil. All are released varieties.

Table 28. Roundup Ready Maturity Group III Soybeans Planted April 17, 2007, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R3927	Hornbeck	—	—	39.8	8/17	34	1
Armor 39-K4	Armor	—	32.4	39.3	8/15	32	1
AG3906	Asgrow	23.2	27.8	37.6	8/14	24	1
AG3905	Asgrow	29.2	28.9	36.1	8/15	26	1
AG3803	Asgrow	—	—	34.2	8/13	25	1
DP 07-3980RR (E)	DPL	—	—	33.8	8/17	25	1
DP3993RR	DPL	—	—	33.8	8/13	30	1
MorSoy RT 3906N	MorSoy	—	29.3	33.6	8/15	29	1
DG 31J39	Dyna-Gro	23.2	27.3	33.6	8/14	32	1
DP 07-3972RR (E)	DPL	—	—	33.4	8/16	23	1
HBK R3824	Hornbeck	—	27.4	32.6	8/15	27	1
AV38T7	AgVenture	24.7	26.5	30.9	8/14	32	1
S03-051RR (E)	Public	—	—	26.8	8/14	30	1
Overall Mean		21.4	28.0	34.3			
LSD (.10)				4.8			
Error degrees of freedom				24			
CV (%)				10.1			
R^2 (%)				67			

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

Table 29. Roundup Ready Maturity Group IV Early Soybeans Planted April 18, 2007, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
NK S46-U6	NK Brand	—	80.4	62.6	8/30	32	1
DP 07-4732RR (E)	DPL	—	—	62.0	9/7	29	1
Armor X4560 (E)	Armor	—	—	61.4	9/3	29	1
4782-4	Stine	—	71.7	60.4	9/3	29	1
AG4605	Asgrow	—	—	60.4	9/1	29	1
DG 33Y45	Dyna-Gro	—	—	59.5	9/1	28	1
DG 4470RR/STS	Delta Grow	—	—	58.7	8/30	26	1
MorSoy RTS4556N (E)	MorSoy	—	—	58.4	8/31	28	1
MPV4808nRR	M-Pride	—	—	58.3	9/5	39	1
Progeny 4206RR	Progeny	—	79.7	57.8	8/29	29	1
HBK R4527	Hornbeck	—	—	57.4	8/31	38	1
Armor X4228 (E)	Armor	—	—	56.6	8/27	27	1
Asgrow DKB46-51	Asgrow	61.5	78.0	56.6	8/27	27	1
DP 07-4492RR/S (E)	DPL	—	—	56.5	9/2	23	1
USG 74A27	USG	—	—	56.5	8/29	29	1
94M50	Pioneer	—	72.1	56.4	9/29	26	1
457.RCP	Schillinger	—	—	56.3	8/31	35	1
RC4444	Croplan Genetics	—	—	55.9	9/2	35	1
AV XP46 (E)	AgVenture	—	—	55.8	9/1	34	1
Progeny 4606RR	Progeny	—	—	55.6	9/3	28	1
AG4703	Asgrow	—	—	55.5	8/30	28	1
TVX45R118 (E)	Terral	—	—	55.3	8/25	41	1
TVX45R018 (E)	Terral	—	—	55.1	8/26	39	1
Asgrow DKB46-51 (C)	Asgrow	—	—	54.8	8/30	32	1
467.RCP	Schillinger	—	—	54.6	9/2	31	1
DG 32R46	Dyna-Gro	—	82.8	54.5	9/6	23	1
AG4405	Asgrow	—	—	54.4	8/31	31	1
S04-6008 (E)	Public	—	—	54.1	8/30	36	1
P4507RR (E)	Progeny	—	—	53.9	8/31	27	1
DK 4567	Delta King	—	—	53.9	9/1	29	1
DP 4112 RR/S	DPL	—	70.7	52.8	9/6	33	1
DPX 4334RR (E)	DPL	—	—	52.7	8/30	30	1
DP 4450RR	DPL	—	67.2	52.6	9/1	36	1
AG4403	Asgrow	61.6	70.6	52.4	8/26	32	1
DG4150RR	Delta Grow	65.8	69.5	52.3	8/30	33	1
AG4604	Asgrow	—	—	52.2	8/27	34	1
USG 7466nRR	USG	73.8	85.4	52.2	8/25	37	1
TV44R27	Terral	—	64.9	52.1	8/30	38	1
DG 35B40	Dyna-Gro	63.1	68.8	51.8	9/1	29	1
DG 37F46	Dyna-Gro	—	86.4	51.8	8/31	39	1
HBK R3927	Hornbeck	—	—	51.8	8/27	31	1
DK 4667	Delta King	67.1	86.8	51.6	9/2	35	1
TVX46R018 (E)	Terral	—	—	51.5	8/27	38	1
MorSoy RT 4485N	MorSoy	59.7	71.5	51.5	9/1	37	1
AV 44D4	AgVenture	63.6	66.1	51.3	8/26	39	1
NK S43-B1	NK Brand	62.1	75.1	51.3	8/12	29	1
TV46R15	Terral	60.4	74.1	50.7	8/29	40	1
AG4404	Asgrow	60.5	67.0	50.6	8/29	25	1
S04-5969 (E)	Public	—	—	50.4	9/1	36	1
DG 37A44	Dyna-Gro	58.9	70.4	50.3	8/27	35	1
S04-6013 (E)	Public	—	—	50.2	9/2	34	1
94M31	Pioneer	—	71.1	50.0	8/26	32	1
DG4460RR	Delta Grow	64.5	58.8	49.8	8/26	37	1
DP4546RR	DPL	64.5	76.6	49.7	8/31	32	1
DP 07-4470RR (E)	DPL	—	—	49.3	8/25	30	1
DG4660RR	Delta Grow	72.2	88.7	48.5	9/2	38	1
USG 7440nRR	USG	63.6	73.6	47.1	9/1	35	1
Armor GP-454	Armor	74.4	69.9	46.4	8/25	38	1
DG35D44	Dyna-Gro	—	—	46.3	9/1	30	1
HBK R3824	Hornbeck	61.2	59.7	45.3	8/25	28	1
TV45R14	Terral	61.1	69.0	42.6	8/27	38	1
Progeny 4405RR	Progeny	63.8	66.7	40.7	8/29	36	1
RC 4655	Croplan Genetics	55.0	69.9	37.7	8/27	39	1
Overall Mean		62.8	72.3	53.1			
LSD (.10)				4.6			
Error degrees of freedom				124			
CV (%)				6.5			
R^2 (%)				75			

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

Table 30. Roundup Ready Maturity Group IV Late Soybeans Planted April 18, 2007, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 4960RR	Delta Grow	—	—	62.1	9/6	27	1
AV XP47A (E)	AgVenture	—	—	61.4	9/5	30	1
DK4866	Delta King	75.0	80.6	61.0	9/8	36	1
495.RC(G)	Schillinger	—	—	60.8	9/8	32	1
TN03-12RR (E)	Public	—	—	60.7	9/5	24	1
MorSoy RT 4914N	MorSoy	68.0	68.1	60.1	9/10	32	1
TV49R27	Terral	—	76.6	59.7	9/8	33	1
DK XTJ847 (E)	Delta King	—	—	59.4	9/9	31	1
DG 37P49	Dyna-Gro	—	79.4	59.1	9/12	40	1
XP47 (E)	Schillinger	—	—	58.6	9/8	33	1
NK S49-W6	NK Brand	—	69.9	58.3	9/9	35	1
DP 07-4950RR (E)	DPL	—	—	58.2	9/12	40	1
Progeny 4906RR	Progeny	—	84.5	58.1	9/11	38	1
Progeny 4949RR	Progeny	65.6	71.7	58.1	9/9	38	1
94B73	Pioneer	73.0	69.3	58.1	9/3	33	1
DG4975LARR	Delta Grow	—	81.3	58.0	9/14	37	1
AG4703	Asgrow	67.2	70.2	57.8	9/6	30	1
49D6	AgVenture	—	78.8	57.5	9/10	42	1
DK XTJ848 (E)	Delta King	—	—	57.5	9/6	34	1
Armor X4996 (E)	Armor	—	—	57.3	9/8	30	1
AV XP49A (E)	AgVenture	—	—	57.2	9/11	43	1
MorSoy RTS 4706N	MorSoy	—	77.3	56.7	9/8	27	1
47G3 NRR	AgVenture	—	—	56.5	9/16	35	1
DPX 4727RR (E)	DPL	—	—	56.2	9/10	34	1
DG 4970RR	Delta Grow	64.7	59.0	56.1	9/8	30	1
DP 4888RR/S	DPL	—	71.5	55.8	9/11	42	1
TV48R14	Terral	65.8	70.4	55.6	9/8	40	1
DK 4763RR	Delta King	64.1	52.5	55.6	9/6	26	1
AV49J7NRR	AgVenture	61.5	71.2	55.4	9/4	37	1
P4807RR (E)	Progeny	—	—	55.4	9/10	34	1
DG 36Y48	Dyna-Gro	—	—	55.0	9/7	30	1
TVX47R018 (E)	Terral	—	—	54.8	9/8	37	1
4955RR	Croplan Genetics	—	79.6	54.8	9/9	39	1
DG 4780RR	Delta Grow	—	—	54.8	9/10	37	1
USG 74F78	USG	—	—	54.6	9/8	34	1
USG 7494nRR	USG	66.0	77.3	54.5	9/3	32	1
DK 4968	Delta King	—	61.7	54.4	9/5	34	1
XP49 (E)	Schillinger	—	—	54.4	9/8	38	1
TV49R17	Terral	62.4	77.1	53.6	9/8	44	1
HBK R4727	Hornbeck	—	—	53.4	9/10	29	1
495.RC	Schillinger	73.4	65.5	53.4	9/8	34	1
USG 7495nRS	USG	—	—	53.0	9/10	37	1
AV XP49B (E)	AgVenture	—	—	53.0	9/12	43	1
MorSoy RT4707N (E)	MorSoy	—	—	52.8	9/11	35	1
DK 4995	Armor	—	—	52.7	9/12	42	1
DG 4840RR	Delta Grow	62.7	73.6	52.7	9/6	32	1
TVX47R118 (E)	Terral	—	—	52.6	9/6	36	1
AV XP47B (E)	AgVenture	—	—	52.5	9/5	30	1
DP 4919 RR/S	DPL	69.0	72.5	52.2	9/5	42	1
94M71	Pioneer	—	—	52.1	9/4	39	1
DG 36Y48	Dyna-Gro	—	—	51.8	9/8	33	1
DG4770RR	Delta Grow	—	72.1	51.6	9/3	30	1
DK4967RR	Delta King	68.8	73.0	51.2	9/5	30	1
Progeny 4706RR	Progeny	—	72.4	51.1	9/3	33	1
TVX48R018 (E)	Terral	—	—	50.8	9/6	38	1
AG4903	Asgrow	68.6	75.2	50.6	9/3	33	1
94M80	Pioneer	64.3	62.6	50.4	9/3	34	1
MorSoy RT 4955N	MorSoy	66.0	79.2	49.6	9/8	38	1
DP4724RR	DPL	66.4	72.8	49.3	9/5	30	1
HBK R4924	Hornbeck	65.1	75.1	49.3	9/8	40	1
HBK HX4843 (E)	Hornbeck	—	67.2	47.8	9/4	34	1
DG 4860RR	Delta Grow	68.8	73.3	47.3	9/6	29	1
TV47R17	Terral	60.7	73.5	46.9	9/12	42	1
Asgrow EXP648AX (E)	Asgrow	—	—	46.5	9/3	25	1
DG 35Z49	Dyna-Gro	67.9	79.2	45.4	9/8	41	1
Overall Mean		63.3	72.1	54.7			
LSD (.10)				4.3			
Error degrees of freedom				128			
CV (%)				5.9			
R^2 (%)				70			

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

Table 31. Roundup Ready Maturity Group IV Early Soybeans Planted April 17, 2007, and Not Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DP 07-4492RR/S (E)	DPL	—	—	43.7	8/15	24	1
AG4604	Asgrow	—	—	43.2	8/16	28	1
DP 07-4732RR (E)	DPL	—	—	43.0	8/17	28	1
TVX45R018 (E)	Terral	—	—	42.5	8/14	31	1
DPX 4334RR (E)	DPL	—	—	41.6	8/17	29	1
HBK R3927	Hornbeck	—	—	41.5	8/16	36	1
TVX46R018 (E)	Terral	—	—	41.4	8/15	33	1
457.RCP	Schillinger	—	—	41.2	8/17	33	1
Progeny 4206RR	Progeny	—	29.3	41.0	8/18	30	1
TVX45R118 (E)	Terral	—	—	40.9	8/14	33	1
Asgrow DKB46-51 (C)	Asgrow	—	—	40.7	8/16	31	1
DG 33Y45	Dyna-Gro	—	—	40.7	8/16	27	1
Armor X4228 (E)	Armor	—	—	40.0	8/15	27	1
AV 44D4	AgVenture	31.6	21.6	39.7	8/15	32	1
P4507RR (E)	Progeny	—	—	39.6	8/16	26	1
AG4403	Asgrow	29.4	22.8	39.5	8/17	29	1
DG4150RR	Delta Grow	29.8	26.9	39.3	8/15	26	1
AG4605	Asgrow	—	—	39.3	8/16	25	1
TV44R27	Terral	—	28.2	39.2	8/15	33	1
S04-5969 (E)	Public	—	—	39.0	8/15	27	1
AG4703	Asgrow	—	—	38.8	8/15	28	1
DG4460RR	Delta Grow	29.5	23.9	38.8	8/16	32	1
USG 74A27	USG	—	—	38.6	8/15	22	1
94M50	Pioneer	—	23.1	38.6	8/15	27	1
S04-6008 (E)	Public	—	—	38.4	8/16	29	1
MorSoy RTS4556N (E)	MorSoy	—	—	38.2	8/15	27	1
DG 35B40	Dyna-Gro	32.1	24.8	37.8	8/14	27	1
DG 4470RR/STS	Delta Grow	—	—	37.7	8/17	23	1
RC4444	Croplan Genetics	—	—	37.6	8/17	20	1
HBK R3824	Hornbeck	26.0	27.3	37.6	8/15	24	1
Asgrow DKB46-51	Asgrow	32.5	27.2	37.3	8/15	27	1
TV46R15	Terral	29.6	22.7	37.2	5/15	36	1
NK S43-B1	NK Brand	24.8	19.0	36.9	8/15	27	1
S04-6013 (E)	Public	—	—	36.7	8/16	30	1
DG 37F46	Dyna-Gro	—	21.7	36.7	8/18	34	1
Armor GP-454	Armor	30.9	26.1	36.7	8/15	34	1
MorSoy RT 4485N	MorSoy	32.1	25.7	36.6	8/13	29	1
DP 4112 RR/S	DPL	—	25.6	36.5	8/17	30	1
DK 4667	Delta King	28.9	20.9	35.7	8/18	34	1
USG 7440nRR	USG	30.4	25.3	35.7	8/16	29	1
Progeny 4405RR	Progeny	32.5	24.1	35.7	8/15	33	1
NK S46-U6	NK Brand	—	32.2	35.6	8/22	32	1
AG4404	Asgrow	26.0	26.2	35.5	8/16	27	1
Armor X4560 (E)	Armor	—	—	35.4	8/17	28	1
94M31	Pioneer	—	20.8	35.3	8/15	26	1
DG35D44	Dyna-Gro	—	—	35.0	8/16	28	1
DK 4567	Delta King	—	—	34.6	8/16	27	1
DG 37A44	Dyna-Gro	26.3	25.1	34.5	8/15	30	1
DP 4450RR	DPL	—	20.8	34.3	8/19	29	1
TV45R14	Terral	22.5	24.7	34.0	8/16	34	1
MPV4808nRR	M-Pride	—	—	33.9	8/19	34	1
467.RCP	Schillinger	—	—	32.9	8/17	27	1
USG 7466nRR	USG	29.8	22.1	32.3	8/18	34	1
AV XP46 (E)	AgVenture	—	—	32.3	8/17	28	1
AG4405	Asgrow	—	—	32.1	8/17	26	1
DG4660RR	Delta Grow	30.9	20.1	32.1	8/18	34	1
4782-4	Stine	—	19.0	31.2	8/17	23	1
DP4546RR	DPL	23.4	21.7	30.3	8/17	24	1
DP 07-4470RR (E)	DPL	—	—	30.0	8/19	24	1
Progeny 4606RR	Progeny	—	—	29.4	8/14	24	1
RC 4655	Croplan Genetics	27.4	10.9	28.9	8/18	32	1
DG 32R46	Dyna-Gro	—	17.0	26.4	8/16	26	1
HBK R4527	Hornbeck	—	—	21.1	8/17	32	1
Overall Mean		27.2	22.8	36.6			
LSD (.10)				3.8			
Error degrees of freedom				124			
CV (%)				7.6			
R^2 (%)				79			

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

Table 32. Roundup Ready Maturity Group V Early Soybeans Planted April 18, 2007, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 52K6	Delta King	—	76.1	72.8	9/20	30	1
DG 33X55	Dyna-Gro	50.3	73.0	71.4	9/22	29	1
TV55R15	Terral	49.0	85.0	70.8	9/25	32	1
AGS 568RR	AgSouth	—	75.0	70.5	9/20	26	1
AV XP56 (E)	AgVenture	—	—	69.9	9/21	28	1
FFR 5663RR	FFR	59.1	68.0	69.2	10/3	26	1
DG 33B52	Dyna-Gro	61.3	74.1	68.9	9/22	22	1
DK 5368	Delta King	—	76.3	68.8	9/24	26	1
DK 5366RR	Delta King	37.6	77.5	67.8	9/27	34	1
Progeny 5650RR	Progeny	55.1	74.8	67.2	10/5	34	2
TVX56R018 (E)	Terral	—	—	66.6	9/23	32	1
DK 5567RR	Delta King	57.2	74.8	66.5	9/26	27	1
Armor GP-533	Armor	—	74.1	66.5	9/23	31	1
DK 5161RR	Delta King	56.6	78.2	66.3	9/20	25	1
DG 5555RR	Delta Grow	—	—	66.3	9/28	28	1
HBK R5525	Hornbeck	61.0	70.8	66.2	10/3	48	1
TVX53R018 (E)	Terral	—	—	66.2	9/26	30	1
DG 32A53	Dyna-Gro	—	76.7	66.0	9/25	30	1
DG 5570RR	Delta Grow	—	—	65.7	9/26	27	1
ESXVT-155 (E)	Eagle Seed	—	60.6	65.7	9/24	27	1
DK XTJ851 (E)	Delta King	—	—	65.6	9/20	30	1
95M30	Pioneer	—	69.5	65.4	9/21	29	1
DP5634RR	DPL	57.9	79.1	65.4	9/25	33	1
TVX53R028 (E)	Terral	—	—	65.3	9/26	28	1
HBK R5226	Hornbeck	—	75.5	65.2	9/26	32	1
NK S56-D7	NK Brand	53.1	79.1	65.2	9/28	26	1
Armor GP-500	Armor	—	—	64.9	9/22	30	1
DK55T6RR	Delta King	58.8	74.1	64.8	9/28	24	1
DG 5630RR	Delta Grow	46.2	67.6	64.5	10/4	31	1
52P2	AgVenture	—	—	64.3	9/23	28	1
NK S52-F2	NK Brand	—	71.6	64.3	9/26	28	1
ESXVT-110RR (E)	Eagle Seed	50.2	66.6	64.0	9/28	26	1
TVX52R028 (E)	Terral	—	—	63.7	9/20	30	1
NK S56-D7 (C)	NK Brand	—	—	63.4	9/26	20	1
Armor GP 513	Armor	64.4	78.9	63.4	9/18	24	1
TVX53R118 (E)	Terral	—	—	63.0	9/26	27	1
557.RC	Schillinger	—	—	62.9	9/26	24	1
95M50	Pioneer	53.8	68.8	62.9	9/25	29	1
TVX52R128 (E)	Terral	—	—	62.9	9/22	30	1
MPG 7552nRR	M-Pride	—	—	62.6	9/21	26	1
DG 34J56	Dyna-Gro	—	74.6	62.3	9/24	32	1
AV 53D3NRR	AgVenture	—	—	62.2	9/22	30	1
USG Allen	USG	—	—	62.2	9/29	30	1
RC 5555	Croplan Genetics	—	—	62.1	9/26	38	1
AV 54D4	AgVenture	55.6	68.8	61.9	9/23	43	2
AG5501	Asgrow	59.4	67.4	61.6	9/26	34	1
USG 7553nRS	USG	56.6	69.1	61.3	9/29	27	1
TVX52R218 (E)	Terral	—	—	61.2	9/20	32	1
TV52R14	Terral	59.2	62.3	60.8	9/21	31	1
DK 5068RR	Delta King	—	74.3	60.3	9/18	38	2
ESXVT-425 (E)	Eagle Seed	—	—	60.2	9/29	26	1
ESXVT-111 (E)	Eagle Seed	—	70.1	59.9	9/27	31	1
DG 31R54	Dyna-Gro	—	—	59.4	9/26	25	1
DG5300RR	Delta Grow	—	74.9	59.3	9/20	38	1
DG 5450RR	Delta Grow	—	—	58.8	10/2	26	1
ESXVT-16 (E)	Eagle Seed	—	53.1	58.6	10/1	28	1
MorSoy RT 5306N	MorSoy	—	65.5	58.5	9/24	33	1
FFR 5116RR	FFR	—	—	58.5	9/18	31	1
AV 54P1NRR	AgVenture	—	—	58.2	10/3	25	1
ESXVT-173 (E)	Eagle Seed	—	59.0	58.2	10/1	48	4
RC 5332	Croplan Genetics	—	—	57.9	9/21	33	1
HBK RS5227	Hornbeck	—	—	57.8	9/20	26	1
TVX54R018 (E)	Terral	—	—	57.7	10/2	24	1
P5507RR (E)	Progeny	—	—	57.2	9/27	26	1
DP5414RR	DPL	48.1	68.2	56.5	9/22	43	1
DG 33P54	Dyna-Gro	—	—	55.9	10/3	29	1
RC 5007	Croplan Genetics	—	—	55.6	9/18	32	1
ESXVT-675 (E)	Eagle Seed	—	64.6	55.5	9/22	40	2
DP 5335RR/S	DPL	—	—	55.3	9/24	46	2
MPG 7554nRR	M-Pride	—	—	55.2	9/25	40	1

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

Table 32 (continued). Roundup Ready Maturity Group V Early Soybeans Planted April 18, 2007, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 39F51	Dyna-Gro	—	—	55.0	9/20	33	1
MorSoy RT5107N	MorSoy	—	—	54.9	9/20	34	1
HBK R5425	Hornbeck	43.0	62.1	54.4	10/1	29	3
USG 75J17	USG	—	—	53.8	9/20	31	1
AV XP54A (E)	AgVenture	—	—	53.4	9/20	34	1
P5407RR (E)	Progeny	—	—	53.2	9/27	31	2
P5207RR (E)	Progeny	—	—	53.2	9/22	33	1
DG 5270RR	Delta Grow	—	—	53.1	9/20	32	1
ESXVT-518 (E)	Eagle Seed	—	52.7	52.8	9/27	46	3
DG5470RR	Delta Grow	—	66.8	52.3	9/27	39	3
AV 50D2NRR	AgVenture	66.9	67.0	52.2	9/20	30	2
DP 5115RR/S	DPL	49.6	68.3	51.8	9/26	30	2
DK 5066RR	Delta King	66.8	79.3	51.8	9/18	40	1
TVX52R018 (E)	Terral	—	—	51.5	9/19	34	1
MPG Exp.55-7nRR (E)	M-Pride	—	—	51.2	9/24	38	2
DP 51-103RR (E)	DPL	—	—	51.1	9/22	44	3
Progeny 5115RR	Progeny	67.1	77.4	51.1	9/24	40	2
MorSoy RT5307N (E)	MorSoy	—	—	50.9	9/18	28	1
MorSoy RT5407N (E)	MorSoy	—	—	50.7	10/4	33	1
DG5160RR	Delta Grow	70.3	74.8	50.0	9/20	26	1
P5307RR (E)	Progeny	—	—	49.2	9/20	34	1
ESXVT-78 (E)	Eagle Seed	—	59.5	47.8	9/27	42	4
Overall Mean		55.8	68.9	60.4			
LSD (.10)				5.0			
Error degrees of freedom				181			
CV (%)				6.1			
R^2 (%)				81			

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

Table 33. Roundup Ready Maturity Group V Late Soybeans Planted April 18, 2007, and Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 33C59	Dyna-Gro	—	—	69.6	9/27	25	1
TV59R16	Terral	—	78.4	69.1	9/29	31	1
AG5903	Asgrow	44.1	67.4	67.2	9/27	33	2
Progeny 5706RR	Progeny	—	72.6	66.7	9/28	35	1
DP 5914RR	DPL	—	68.2	65.3	9/27	30	1
AG5905	Asgrow	51.6	70.9	65.0	9/28	37	1
DP J02-11943RR (E)	DPL	—	—	64.3	10/2	28	1
AV 57D7RR	AgVenture	52.6	72.2	64.2	10/2	27	1
TV57R16	Terral	—	67.4	63.5	9/28	34	1
DP 5808RR(G)	DPL	54.6	73.8	63.5	10/1	30	3
DG 5970RR	Delta Grow	—	—	63.1	9/29	33	1
DG5830RR	Delta Grow	47.0	74.4	62.6	9/29	24	1
DG 36N57	Dyna-Gro	49.4	69.5	62.5	9/29	26	1
DP J02-11990RR (E)	DPL	—	—	62.0	9/29	28	1
TV57R14	Terral	52.2	66.3	61.9	9/27	25	1
DG 32B57	Dyna-Gro	—	—	61.7	9/26	20	1
DP5915RR	DPL	49.0	59.4	61.5	10/6	31	1
USG 7582nRR	USG	—	64.4	61.2	10/3	30	1
DP 5808RR	DPL	—	—	61.1	9/29	31	3
DG 3583NRR	Dyna-Gro	47.7	63.8	60.7	9/30	30	1
DG 5960RR	Delta Grow	47.7	54.2	60.5	9/27	26	1
95M80	Pioneer	56.4	67.9	59.0	10/1	33	1
HBK R5825	Hornbeck	43.7	73.7	57.1	10/6	29	1
NK S59-B8	NK Brand	—	67.4	56.6	10/2	27	1
Overall Mean		47.3	67.7	62.9			
LSD (.10)				5.2			
Error degrees of freedom				46			
CV (%)				6.1			
R^2 (%)				55			

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

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

Location Summary

Soybeans were planted into a stale seedbed prepared in the fall following rice. Adequate soil moisture helped establish good soybean seedling emergence, and soybeans emerged to a good stand. Temperatures were above normal throughout the growing season. Irrigation offset the below-normal rainfall for late May and June. Plots were harvested on time, and yields were good.

Soil type	**Forestdale clay loam**
Soil pH	**6.6**
Soil fertility	**P=H; K=H**
Fertilizer added	**None**
Herbicide application	**Preemergence — Roundup Weather Max @ 22 oz/A + Dual II Magnum @ 32 oz/A + Septer @ 2.86 oz/A (April 21)** **Postemergence — Roundup Weathermax @ 22 oz/A + Blazer Ultra @ 4 oz/A (May 22)** **Roundup Weathermax @ 22 oz/A + Blazer Ultra @ 6 oz/A + Pursuit @ 1.44 oz/A Layby (June 28)**
Insecticide/Fungicide	**Quadris @ 4 oz/A + Dimilim @ 2 oz/A + Karate Z @ 1.8 oz/A (July 20)** **Orthene @ .75 lb/A (Aug. 3)** **Methyl Parathion @ .5 lb/A (Aug. 24)**
Irrigation	**June 8, July 30, Aug. 10, Aug. 20 and Aug. 30**
Planting date	**Group IV and V, Early and Late – April 21**
Harvest date	**Group IV – Sept. 17; Group V – Sept. 24**

Rainfall Summary

	Inches
April	**1.5**
May	**1.20**
June	**0.40**
July	**4.70**
August	**0**
September	**0.40**
Total	**8.20**

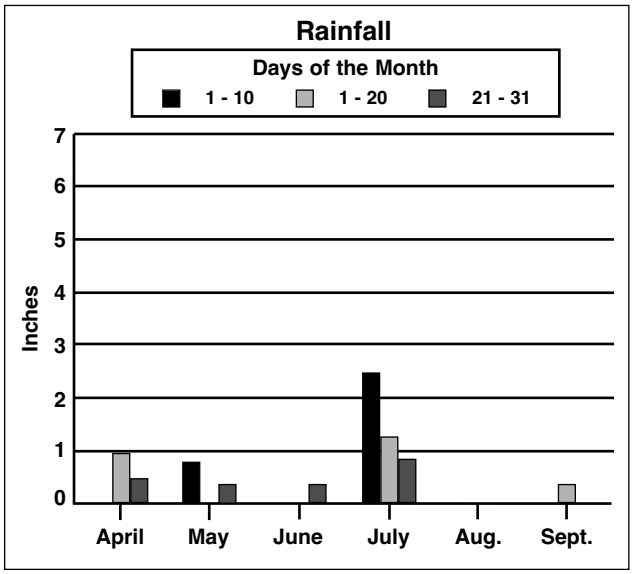

Table 34. Roundup Ready Maturity Group IV Early Soybeans Planted April 19, 2007, and Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4527	Hornbeck	—	—	74.2	9/4	30	2
AG4604	Asgrow	—	—	71.8	9/4	29	1
DP 4112 RR/S	DPL	—	38.7	70.1	9/2	29	1
DP4546RR	DPL	62.3	46.3	68.1	9/2	25	1
DK 4667	Delta King	78.9	54.4	66.4	9/8	36	2
DP 07-4732RR (E)	DPL	—	—	65.6	9/4	20	1
4782-4	Stine	—	33.1	65.4	9/10	25	1
TVX46R018 (E)	Terral	—	—	64.6	8/27	30	1
MPV4808nRR	M-Pride	—	—	64.4	9/8	34	2
467.RCP	Schillinger	—	—	64.3	9/8	31	1
NK S46-U6	NK Brand	—	42.3	63.7	9/12	31	1
Asgrow DKB46-51	Asgrow	68.0	33.1	63.6	9/6	28	1
AG4703	Asgrow	—	—	63.6	9/6	28	1
AG4403	Asgrow	61.5	26.2	63.1	9/2	27	1
DG 37F46	Dyna-Gro	—	52.7	62.9	9/8	34	1
AG4405	Asgrow	—	—	62.0	9/6	27	1
TVX45R118 (E)	Terral	—	—	61.9	8/27	29	1
AV XP46 (E)	AgVenture	—	—	61.0	9/8	30	1
TVX45R018 (E)	Terral	—	—	60.9	8/27	29	1
DG4660RR	Delta Grow	72.5	46.2	60.5	9/4	32	2
Armor X4560 (E)	Armor	—	—	59.5	9/6	24	1
TV45R14	Terral	62.2	40.0	58.9	8/27	27	2
TV46R15	Terral	71.1	32.5	58.4	8/30	29	2
RC4444	Croplan Genetics	—	—	57.6	9/6	27	1
DPX 4334RR (E)	DPL	—	—	57.3	9/4	26	1
457.RCP	Schillinger	—	—	57.0	9/6	23	2
S04-6008 (E)	Public	—	—	55.3	9/2	25	1
DG 33Y45	Dyna-Gro	—	—	55.3	9/4	21	1
P4507RR (E)	Progeny	—	—	55.3	9/6	24	1
HBK R3824	Hornbeck	63.0	29.7	54.5	8/29	24	1
TV44R27	Terral	—	41.4	54.2	8/30	29	1
AV 44D4	AgVenture	76.5	36.4	54.1	8/29	33	1
DG 37A44	Dyna-Gro	59.2	35.6	53.8	8/30	25	1
AG4404	Asgrow	63.5	26.7	53.7	9/2	25	1
Asgrow DKB46-51 (C)	Asgrow	—	—	53.5	9/8	26	1
DP 07-4470RR (E)	DPL	—	—	53.1	9/6	25	1
DG 32R46	Dyna-Gro	—	35.8	52.9	9/4	22	1
AG4605	Asgrow	—	—	52.4	9/6	25	1
MorSoy RT 4485N	MorSoy	64.3	39.5	52.4	8/30	26	1
S04-6013 (E)	Public	—	—	51.8	9/2	25	1
DP 4450RR	DPL	—	39.0	51.2	8/29	27	1
94M50	Pioneer	—	38.3	50.3	9/6	25	1
USG 7440nRR	USG	63.9	35.7	49.8	8/30	26	1
DG 35B40	Dyna-Gro	55.7	22.5	49.8	8/30	21	1
Armor GP-454	Armor	71.6	35.1	49.5	8/30	29	1
HBK R3927	Hornbeck	—	—	48.8	8/29	26	1
USG 7466nRR	USG	73.0	47.3	48.8	9/4	27	2
DK 4567	Delta King	—	—	48.5	9/8	25	1
NK S43-B1	NK Brand	62.8	45.3	48.2	8/29	24	1
DG4460RR	Delta Grow	68.2	29.2	47.8	8/27	31	1
MorSoy RTS4556N (E)	MorSoy	—	—	47.6	9/4	23	1
Progeny 4206RR	Progeny	—	40.2	47.0	9/6	25	1
S04-5969 (E)	Public	—	—	45.9	9/2	26	1
DP 07-4492RR/S (E)	DPL	—	—	45.6	9/4	18	1
Progeny 4606RR	Progeny	—	—	45.1	9/4	22	1
DG4150RR	Delta Grow	60.0	17.1	44.5	8/30	27	1
94M31	Pioneer	—	26.4	44.1	9/6	28	1
Armor X4228 (E)	Armor	—	—	43.7	9/2	22	1
RC 4655	Croplan Genetics	72.4	37.7	43.4	8/30	30	1
Progeny 4405RR	Progeny	59.5	38.2	42.6	8/27	29	1
DG35D44	Dyna-Gro	—	—	42.2	9/4	29	1
USG 74A27	USG	—	—	41.0	9/6	23	1
DG 4470RR/STS	Delta Grow	—	—	35.5	9/4	30	1
Overall Mean		65.0	35.5	54.9			
LSD (.10)				11.6			
Error degrees of freedom				124			
CV (%)				15.6			
R^2 (%)				69			

[1]Forestdale clay loam soil. (E) = Experimental. (C) = Cruiser.

Table 35. Roundup Ready Maturity Group IV Late Soybeans Planted April 19, 2007, and Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DP 07-4950RR (E)	DPL	—	—	70.8	9/10	33	1
4955RR	Croplan Genetics	—	42.6	70.4	9/16	33	1
TV49R27	Terral	—	40.7	69.3	9/14	32	1
Progeny 4906RR	Progeny	—	53.3	68.3	9/6	28	1
DP 4888RR/S	DPL	—	26.9	67.7	9/7	30	2
DK 4968	Delta King	—	39.2	67.6	9/10	27	1
DG4975LARR	Delta Grow	—	51.6	67.4	9/7	26	1
TVX48R018 (E)	Terral	—	—	66.5	9/6	28	2
DK4866	Delta King	68.8	40.8	65.3	9/7	26	1
HBK HX4843 (E)	Hornbeck	—	44.2	63.3	9/8	31	3
DP4724RR	DPL	74.4	36.8	63.1	9/4	29	1
DK 4995	Armor	—	—	61.9	9/10	36	1
49D6	AgVenture	—	48.1	61.9	9/14	32	1
TVX47R118 (E)	Terral	—	—	61.3	9/6	29	2
AV XP47B (E)	AgVenture	—	—	61.3	9/8	24	1
AV XP49A (E)	AgVenture	—	—	60.7	9/12	27	1
AG4903	Asgrow	73.9	46.8	60.3	9/10	26	1
TVX47R018 (E)	Terral	—	—	59.9	9/4	24	2
DK XTJ848 (E)	Delta King	—	—	59.5	9/10	31	1
DG 4780RR	Delta Grow	—	—	58.7	9/12	31	2
DG 4970RR	Delta Grow	70.0	31.0	58.4	9/12	27	2
DG 37P49	Dyna-Gro	—	46.5	58.1	9/8	28	1
DK4967RR	Delta King	64.8	35.5	58.1	9/6	28	1
XP49 (E)	Schillinger	—	—	57.9	9/10	30	1
AV XP47A (E)	AgVenture	—	—	57.7	9/8	34	1
TV49R17	Terral	67.2	53.3	57.6	9/7	36	1
94B73	Pioneer	69.1	38.2	57.2	8/30	30	1
HBK R4924	Hornbeck	74.5	41.6	56.9	9/10	29	2
AV49J7NRR	AgVenture	73.8	34.2	56.4	9/8	28	2
DK XTJ847 (E)	Delta King	—	—	56.0	9/10	25	1
495.RC(G)	Schillinger	—	—	55.6	9/16	29	1
DK 4763RR	Delta King	65.3	28.6	55.5	9/6	28	1
USG 7495nRS	USG	—	—	55.1	9/10	26	1
USG 7494nRR	USG	72.8	38.3	54.7	9/8	30	2
DG 36Y48	Dyna-Gro	—	—	54.7	9/10	28	1
P4807RR (E)	Progeny	—	—	54.4	9/10	27	1
DP 4919 RR/S	DPL	79.4	47.7	54.2	9/6	32	2
Progeny 4949RR	Progeny	74.2	50.2	54.2	9/6	28	1
DPX 4727RR (E)	DPL	—	—	54.2	9/14	27	1
NK S49-W6	NK Brand	—	59.7	54.1	9/14	32	1
DG 4860RR	Delta Grow	71.3	32.6	53.9	9/4	26	1
TV47R17	Terral	65.6	42.8	53.8	9/10	33	3
DG 4840RR	Delta Grow	68.6	34.6	53.0	9/4	25	2
Armor X4996 (E)	Armor	—	—	52.7	9/16	27	1
HBK R4727	Hornbeck	—	—	52.4	9/10	29	1
XP47	Schillinger	—	—	52.2	9/6	25	1
94M71	Pioneer	—	—	51.9	9/6	30	1
AV XP49B (E)	AgVenture	—	—	51.8	9/16	33	1
47G3 NRR	AgVenture	—	—	51.2	9/16	32	1
USG 74F78	USG	—	—	50.7	9/6	27	1
DG 4960RR	Delta Grow	—	—	50.7	9/10	26	1
MorSoy RT4707N (E)	MorSoy	—	—	50.1	9/14	23	1
TV48R14	Terral	65.3	45.1	49.6	9/6	29	1
TN03-12RR (E)	Public	—	—	49.6	9/10	21	1
94M80	Pioneer	66.3	27.2	47.5	8/30	28	1
Progeny 4706RR	Progeny	—	34.1	47.3	8/30	28	1
495.RC	Schillinger	76.5	41.0	47.0	9/10	23	1
MorSoy RT 4955N	MorSoy	72.8	54.6	46.7	9/14	25	2
DG4770RR	Delta Grow	—	28.5	44.9	8/30	24	1
Asgrow EXP648AX (E)	Asgrow	—	—	43.9	9/7	20	1
DG 35Z49	Dyna-Gro	63.6	36.4	43.8	9/12	29	1
MorSoy RT 4914N	MorSoy	70.9	41.7	43.1	9/16	24	1
MorSoy RTS 4706N	MorSoy	—	40.5	42.0	9/12	20	1
AG4703	Asgrow	80.1	24.5	40.9	8/30	22	1
DG 36Y48	Dyna-Gro	—	—	37.5	9/7	19	1
Overall Mean		68.6	39.9	55.6			
LSD (.10)				10.7			
Error degrees of freedom				128			
CV (%)				14.3			
R^2 (%)				78			

[1]Forestdale clay loam soil. (E) = Experimental. (G) = Gaucho.

Table 36. Roundup Ready Maturity Group V Early Soybeans Planted April 19, 2007, and Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
AGS 568RR	AgSouth	—	56.9	67.6	9/23	24	1
TV55R15	Terral	57.6	64.8	65.0	9/23	28	1
DG 5555RR	Delta Grow	—	—	64.8	9/23	23	1
DK 5068RR	Delta King	—	60.4	63.3	9/17	32	2
DK55T6RR	Delta King	61.7	61.0	63.2	9/25	27	1
NK S56-D7 (C)	NK Brand	—	—	62.9	9/25	28	1
DP 5335RR/S	DPL	—	—	61.7	9/21	29	1
DK 52K6	Delta King	—	64.9	61.2	9/23	24	1
HBK R5425	Hornbeck	54.1	56.5	60.0	9/24	42	2
MorSoy RT5107N	MorSoy	—	—	58.1	9/17	27	1
DP 51-103RR (E)	DPL	—	—	58.0	9/17	30	2
DK 5066RR	Delta King	74.1	63.7	57.8	9/12	27	1
DP 5115RR/S	DPL	69.7	57.4	57.7	9/17	34	2
TVX52R128 (E)	Terral	—	—	57.6	9/19	25	1
Armor GP-533	Armor	—	56.6	56.7	9/23	18	1
P5207RR (E)	Progeny	—	—	56.6	9/12	26	1
DG 33X55	Dyna-Gro	67.7	59.6	56.2	9/17	21	1
TVX56R018 (E)	Terral	—	—	55.8	9/19	28	1
TVX52R028 (E)	Terral	—	—	55.7	9/17	22	1
DP5634RR	DPL	65.6	70.9	55.4	9/23	28	1
NK S56-D7	NK Brand	61.9	77.0	55.2	9/23	26	1
Progeny 5650RR	Progeny	63.6	56.1	55.0	9/25	24	1
TVX52R218 (E)	Terral	—	—	54.9	9/19	26	1
TVX53R018 (E)	Terral	—	—	54.9	9/23	22	1
DK 5368	Delta King	—	67.8	54.8	9/19	24	1
DG 5270RR	Delta Grow	—	—	54.8	9/17	25	1
DK 5366RR	Delta King	61.9	65.3	54.6	9/23	28	1
ESXVT-78 (E)	Eagle Seed	—	57.9	54.3	9/19	38	3
DG 5630RR	Delta Grow	67.2	54.5	54.2	9/24	20	1
FFR 5663RR	FFR	61.0	64.8	54.2	9/23	19	1
Progeny 5115RR	Progeny	65.6	57.9	54.1	9/14	31	1
DG 33B52	Dyna-Gro	62.6	54.3	53.7	9/19	20	1
USG Allen	USG	—	—	53.6	9/25	21	1
DG 5570RR	Delta Grow	—	—	53.5	9/16	23	1
HBK R5226	Hornbeck	—	60.0	53.3	9/20	24	1
DP5414RR	DPL	63.6	49.9	53.3	9/23	28	1
USG 75J17	USG	—	—	53.2	9/14	25	1
NK S52-F2	NK Brand	—	65.3	53.1	9/19	22	1
MPG 7554nRR	M-Pride	—	—	52.9	9/19	32	1
P5307RR (E)	Progeny	—	—	52.0	9/12	23	1
TV52R14	Terral	62.4	57.5	51.8	9/23	23	1
RC 5007	Croplan Genetics	—	—	51.7	9/14	23	1
AV XP56 (E)	AgVenture	—	—	51.3	9/19	21	1
AG5501	Asgrow	66.8	52.0	51.2	9/23	23	1
DG5160RR	Delta Grow	67.4	51.9	50.9	9/12	22	1
MorSoy RT5307N (E)	MorSoy	—	—	50.8	9/10	23	1
HBK R5525	Hornbeck	67.2	54.6	50.2	9/21	23	1
DG 32A53	Dyna-Gro	—	63.7	49.9	9/12	20	1
TVX52R018 (E)	Terral	—	—	49.8	9/19	30	1
DG 31R54	Dyna-Gro	—	—	48.7	9/21	19	1
DG 39F51	Dyna-Gro	—	—	48.6	9/12	27	1
DG 34J56	Dyna-Gro	—	60.6	48.4	9/12	25	1
ESXVT-173 (E)	Eagle Seed	—	55.8	48.2	9/7	35	3
Armor GP 513	Armor	62.0	58.6	48.1	9/21	20	1
HBK RS5227	Hornbeck	—	—	48.0	9/21	22	1
MorSoy RT 5306N	MorSoy	—	37.2	48.0	9/17	23	1
TVX53R118 (E)	Terral	—	—	47.6	9/23	24	1
ESXVT-675 (E)	Eagle Seed	—	53.3	47.5	9/12	32	1
ESXVT-16 (E)	Eagle Seed	—	61.0	47.5	9/19	21	1
TVX53R028 (E)	Terral	—	—	47.2	9/25	22	1
95M50	Pioneer	64.3	57.0	46.4	9/8	23	1
DG5470RR	Delta Grow	—	54.5	46.2	9/17	29	1
AV 54P1NRR	AgVenture	—	—	45.9	9/19	21	1
FFR 5116RR	FFR	—	48.0	45.8	9/16	19	1
MPG 7552nRR	M-Pride	—	—	45.7	9/14	25	1
RC 5332	Croplan Genetics	—	—	45.5	9/16	23	1
P5407RR (E)	Progeny	—	—	45.3	9/23	25	1
Armor GP-500	Armor	—	—	45.2	9/14	20	1
DG 5450RR	Delta Grow	—	—	45.2	9/25	21	1
DK 5161RR	Delta King	67.0	56.3	45.1	9/6	26	1

[1]Forestdale clay loam soil. (E) = Experimental. (C) = Cruiser.

Table 36 (continued). Roundup Ready Maturity Group V Early Soybeans Planted April 19, 2007, and Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
ESXVT-425 (E)	Eagle Seed	—	—	44.9	9/25	20	1
TVX54R018 (E)	Terral	—	—	44.7	9/6	22	1
ESXVT-518 (E)	Eagle Seed	—	60.6	44.1	9/14	36	2
DG 33P54	Dyna-Gro	—	—	44.1	6/24	16	1
MorSoy RT5407N (E)	MorSoy	—	—	43.9	9/25	18	1
95M30	Pioneer	—	59.3	43.0	9/10	23	1
RC 5555	Croplan Genetics	—	—	42.8	9/14	24	1
DK 5567RR	Delta King	52.5	54.6	41.2	9/19	22	1
557.RC	Schillinger	—	—	40.9	9/14	24	1
MPG Exp.55-7nRR (E)	M-Pride	—	—	40.8	9/10	33	1
USG 7553nRS	USG	56.4	40.2	39.0	9/19	21	1
AV 53D3NRR	AgVenture	—	—	39.0	9/10	20	1
AV 54D4	AgVenture	58.8	59.7	38.7	9/6	34	1
AV 50D2NRR	AgVenture	76.1	46.7	38.6	9/10	25	1
DG5300RR	Delta Grow	—	46.3	38.5	9/14	18	2
AV XP54A (E)	AgVenture	—	—	37.9	9/10	26	1
P5507RR (E)	Progeny	—	—	37.7	9/23	17	1
DK XTJ851 (E)	Delta King	—	—	37.5	9/19	20	1
ESXVT-111 (E)	Eagle Seed	—	56.0	36.8	9/19	20	1
52P2	AgVenture	—	—	35.2	9/17	22	1
ESXVT-110RR (E)	Eagle Seed	54.6	59.5	32.6	9/23	17	1
ESXVT-155 (E)	Eagle Seed	—	56.0	32.0	9/8	19	1
Overall Mean		62.4	53.7	49.9			
LSD (.10)				12.6			
Error degrees of freedom				182			
CV (%)				18.7			
R^2 (%)				67			

[1]Forestdale clay loam soil. (E) = Experimental. (C) = Cruiser.

Table 37. Roundup Ready Maturity Group V Late Soybeans Planted April 19, 2007, and Irrigated (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height[2]	Lodging score[2]
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 33C59	Dyna-Gro	—	—	58.5	9/24	—	—
TV59R16	Terral	—	61.9	52.0	9/21	—	—
DG 5970RR	Delta Grow	—	—	51.8	9/24	—	—
USG 7582nRR	USG	—	60.9	50.9	9/25	—	—
DP 5808RR	DPL	66.1	58.4	49.9	9/25	—	—
Progeny 5706RR	Progeny	—	63.2	47.1	9/23	—	—
NK S59-B8	NK Brand	—	59.8	46.4	9/26	—	—
TV57R16	Terral	—	49.1	45.5	9/21	—	—
DP J02-11990RR (E)	DPL	—	—	44.8	9/23	—	—
DP J02-11943RR (E)	DPL	—	—	44.5	9/23	—	—
AG5905	Asgrow	69.2	71.4	43.6	9/21	—	—
DG 3583NRR	Dyna-Gro	65.1	55.3	43.4	9/21	—	—
DG 5960RR	Delta Grow	59.7	35.8	40.9	9/21	—	—
DP 5808RR(G)	DPL	—	—	40.8	9/21	—	—
HBK R5825	Hornbeck	60.2	65.7	39.2	9/26	—	—
DP 5914RR	DPL	—	48.5	37.4	9/23	—	—
AG5903	Asgrow	56.4	52.4	36.9	9/18	—	—
AV 57D7RR	AgVenture	57.4	46.8	35.8	9/19	—	—
95M80	Pioneer	60.5	49.8	35.4	9/23	—	—
DG 36N57	Dyna-Gro	61.0	55.6	34.8	9/23	—	—
DG5830RR	Delta Grow	67.8	53.4	34.7	9/25	—	—
DP5915RR	DPL	65.4	50.2	33.1	9/23	—	—
TV57R14	Terral	63.6	46.8	32.2	9/19	—	—
DG 32B57	Dyna-Gro	—	—	26.5	9/21	—	—
Overall Mean		62.3	55.1	41.9			
LSD (.10)				9.4			
Error degrees of freedom				46			
CV (%)				16.3			
R^2 (%)				70			

[1]Forestdale clay loam soil. (E) = Experimental. (G) = Gaucho.
[2]No Plant Height or Lodging taken.

Location 2. Mattson Farms, Clarksdale (Nonirrigated)

Location Summary

The nonirrigated trial was planted into a stale seedbed prepared in the fall following soybeans. Good soil moisture at planting produced good stands. The growing season contained higher than normal temperatures. Rainfall, though below normal in May and June, was timely and sufficient enough the rest of the growing season to produce better than expected yields.

Soil type	**Sharkey clay**
Soil pH	**6.7**
Soil fertility	**P=H; K=H**
Fertilizer added	**None**
Herbicide application	**Preemergence — Roundup Weather Max @ 22 oz/A + Dual II Magnum @ 32 oz/A + Septer @ 2.86 oz/A + Ignite @ 32 oz/A (April 20)** **Postemergence — Roundup Weathermax @ 22 oz/A + Blazer Ultra @ 4 oz/A (May 22) Roundup Weathermax @ 22 oz/A + Blazer Ultra @ 6 oz/A + Pursuit @ 1.44 oz/A Layby (June 28)**
Planting date	**Group III, Group IV E and L – April 20**
Harvest date	**Group III and Group IV E – Aug. 27; Group IV L – Sept. 7**

Rainfall Summary

	Inches
April	**1.50**
May	**1.20**
June	**0.40**
July	**4.70**
August	**0**
September	**0.40**
Total	**8.20**

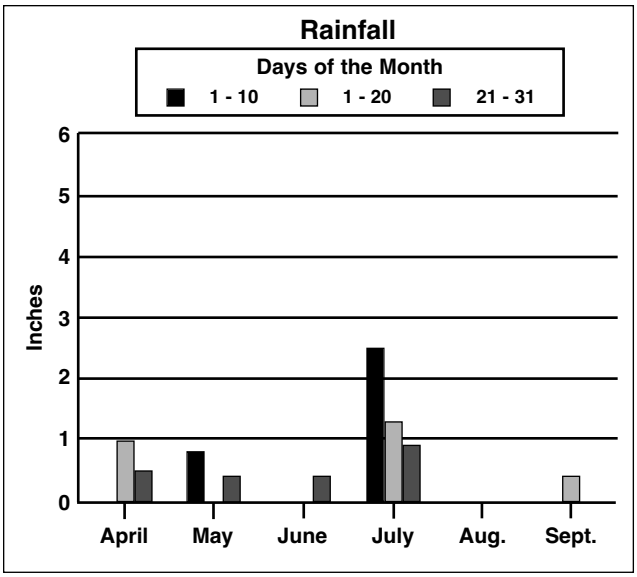

Table 38. Roundup Ready Maturity Group III Soybeans Planted April 12, 2007, and Not Irrigated (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DP 07-3980RR (E)	DPL	—	—	65.1	8/27	30	1
AG3803	Asgrow	—	—	62.0	8/23	26	1
HBK R3927	Hornbeck	—	—	60.9	8/26	35	1
DP 07-3972RR (E)	DPL	—	—	60.4	8/23	26	1
Armor 39-K4	Armor	—	23.7	58.6	8/24	33	1
DP3993RR	DPL	—	—	58.4	8/21	31	1
AG3905	Asgrow	47.9	18.8	58.0	8/23	28	1
AG3906	Asgrow	46.3	19.5	57.8	8/24	23	1
S03-051RR (E)	Public	—	—	54.0	8/23	30	1
MorSoy RT 3906N	MorSoy	—	19.3	53.3	8/24	30	1
AV38T7	AgVenture	52.1	18.3	50.7	8/23	—	1
DG 31J39	Dyna-Gro	56.0	17.6	50.0	8/24	27	1
HBK R3824	Hornbeck	—	17.2	48.1	8/24	26	1
Overall Mean		46.3	20.2	56.7			
LSD (.10)				10.8			
Error degrees of freedom				24			
CV (%)				13.6			
R^2 (%)				50			

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

Table 39. Roundup Ready Maturity Group IV Early Soybeans Planted April 12, 2007, and Not Irrigated (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4604	Asgrow	—	—	67.1	8/27	29	1
DP 07-4732RR (E)	DPL	—	—	67.0	8/27	25	1
DPX 4334RR (E)	DPL	—	—	66.0	8/27	32	1
NK S46-U6	NK Brand	—	22.7	65.1	8/28	33	1
AG4605	Asgrow	—	—	64.7	8/25	28	1
Asgrow DKB46-51 (C)	Asgrow	—	—	64.7	8/27	29	1
MorSoy RTS4556N (E)	MorSoy	—	—	64.3	8/27	26	1
MPV4808nRR	M-Pride	—	—	64.1	8/27	38	1
HBK R3927	Hornbeck	—	—	64.1	8/24	34	1
Asgrow DKB46-51	Asgrow	52.1	18.0	63.9	8/27	28	1
P4507RR (E)	Progeny	—	—	63.8	8/27	30	1
Armor X4560 (E)	Armor	—	—	63.8	8/27	30	1
DG 33Y45	Dyna-Gro	—	—	63.5	8/25	28	1
AG4405	Asgrow	—	—	62.7	8/23	28	1
DP 4112 RR/S	DPL	—	20.2	62.4	8/27	33	1
USG 74A27	USG	—	—	62.2	8/27	27	1
DG4460RR	Delta Grow	65.8	19.5	62.1	8/24	33	1
DK 4667	Delta King	57.9	14.0	62.0	8/27	37	1
94M50	Pioneer	—	17.8	61.9	8/25	25	1
Progeny 4206RR	Progeny	—	20.0	61.8	8/27	26	1
TVX46R018 (E)	Terral	—	—	61.7	8/24	36	1
DG4660RR	Delta Grow	52.0	15.7	61.6	8/25	38	1
457.RCP	Schillinger	—	—	61.1	8/29	29	1
AG4703	Asgrow	—	—	60.6	8/27	25	1
4782-4	Stine	—	21.9	60.2	8/27	25	1
Armor GP-454	Armor	52.9	21.5	59.8	8/24	36	1
MorSoy RT 4485N	MorSoy	63.1	20.7	59.6	8/24	32	1
AV 44D4	AgVenture	59.8	20.4	59.6	8/24	37	1
467.RCP	Schillinger	—	—	59.5	8/27	29	1
HBK R3824	Hornbeck	54.5	16.2	59.5	8/23	32	1
DG 37F46	Dyna-Gro	—	14.1	59.3	8/25	37	1
TVX45R018 (E)	Terral	—	—	59.3	8/24	37	1
DP 07-4492RR/S (E)	DPL	—	—	59.3	8/27	28	1
DG 37A44	Dyna-Gro	61.2	14.8	59.0	8/25	36	1
DG 4470RR/STS	Delta Grow	—	—	58.8	8/25	23	1
DG4150RR	Delta Grow	60.2	18.7	58.8	8/24	32	1
TVX45R118 (E)	Terral	—	—	58.7	8/24	35	1
DP 4450RR	DPL	—	25.7	58.6	8/28	31	1
AG4404	Asgrow	47.3	15.8	58.4	8/27	25	1
94M31	Pioneer	—	16.3	58.0	8/24	29	1
TV46R15	Terral	59.7	14.4	57.7	8/23	37	1
Armor X4228 (E)	Armor	—	—	57.6	8/24	23	1
DG 32R46	Dyna-Gro	—	14.6	57.5	8/25	26	1
DG 35B40	Dyna-Gro	50.5	15.9	57.4	8/25	28	1
AV XP46 (E)	AgVenture	—	—	57.2	8/27	31	1
S04-6013 (E)	Public	—	—	56.8	8/25	31	1
HBK R4527	Hornbeck	—	—	56.4	8/24	35	1
DP 07-4470RR (E)	DPL	—	—	56.3	8/27	27	1
DP4546RR	DPL	56.1	10.3	56.3	8/27	36	1
Progeny 4606RR	Progeny	—	—	56.2	8/25	27	1
DK 4567	Delta King	—	—	56.0	8/27	25	1
USG 7440nRR	USG	59.3	14.0	55.4	8/25	31	1
TV44R27	Terral	—	18.1	55.3	8/24	37	1
S04-6008 (E)	Public	—	—	55.2	8/27	32	1
RC4444	Croplan Genetics	—	—	55.1	8/25	31	1
USG 7466nRR	USG	57.4	13.7	55.1	8/25	36	1
AG4403	Asgrow	57.4	14.6	55.0	8/23	30	1
NK S43-B1	NK Brand	48.9	17.9	54.5	8/24	28	1
S04-5969 (E)	Public	—	—	54.5	8/27	31	1
TV45R14	Terral	55.7	16.4	53.6	8/21	33	1
DG35D44	Dyna-Gro	—	—	53.3	8/26	31	1
Progeny 4405RR	Progeny	59.6	20.6	50.4	8/25	36	1
RC 4655	Croplan Genetics	43.6	9.4	45.3	8/25	33	1
Overall Mean		53.8	16.8	59.3			
LSD (.10)				4.9			
Error degrees of freedom				124			
CV (%)				6.1			
R^2 (%)				67			

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

Table 40. Roundup Ready Maturity Group IV Late Soybeans Planted April 12, 2007, and Not Irrigated (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
94B73	Pioneer	53.0	32.1	68.4	8/24	37	1
DK XTJ848 (E)	Delta King	—	—	66.2	8/27	35	1
AG4703	Asgrow	50.5	20.4	64.6	8/27	27	1
TV49R27	Terral	—	22.3	61.1	8/27	36	1
DG 4970RR	Delta Grow	61.9	16.0	61.0	8/29	37	1
DG 4840RR	Delta Grow	60.5	17.1	60.9	8/24	31	1
DP 4919 RR/S	DPL	60.1	21.5	60.2	8/26	38	1
XP47 (E)	Schillinger	—	—	59.9	8/24	32	1
Progeny 4706RR	Progeny	—	25.2	58.6	8/24	30	1
P4807RR (E)	Progeny	—	—	58.6	8/29	32	1
DG 38X47	Dyna-Gro	—	—	58.1	8/24	29	1
DK4866	Delta King	57.9	15.9	58.1	8/27	35	1
USG 7494nRR	USG	53.1	21.8	57.7	8/24	34	1
DK XTJ847 (E)	Delta King	—	—	57.5	8/29	32	1
DK 4763RR	Delta King	52.0	22.3	57.3	8/28	30	1
AV XP47A (E)	AgVenture	—	—	57.1	8/27	28	1
94M71	Pioneer	—	—	57.0	8/22	36	1
Armor X4996 (E)	Armor	—	—	57.0	8/29	29	1
AV XP47B (E)	AgVenture	—	—	56.9	8/24	31	1
HBK HX4843 (E)	Hornbeck	—	18.9	56.6	9/5	38	1
495.RC	Schillinger	—	—	56.6	8/30	35	1
USG 74F78	USG	—	—	56.2	8/25	30	1
AV49J7NRR	AgVenture	58.4	19.2	56.1	8/25	32	1
DG4770RR	Delta Grow	—	26.4	55.7	8/24	32	1
DG 4780RR	Delta Grow	—	—	55.5	8/27	31	1
DG4975LARR	Delta Grow	—	16.3	55.1	8/22	33	1
MorSoy RTS 4706N	MorSoy	—	19.0	55.0	8/25	27	1
TVX47R018 (E)	Terral	—	—	54.9	8/21	33	1
495.RC(G)	Schillinger	60.2	25.6	54.8	8/27	34	1
94M80	Pioneer	55.7	21.3	54.7	8/24	36	1
DK4967RR	Delta King	51.7	19.3	54.5	8/24	31	1
MorSoy RT 4914N	MorSoy	60.1	21.2	53.6	8/27	38	1
DP 4888RR/S	DPL	—	19.2	53.5	8/26	36	1
Progeny 4906RR	Progeny	—	19.1	53.4	8/24	34	1
TVX47R118 (E)	Terral	—	—	53.3	8/23	32	1
47G3 NRR	AgVenture	—	—	53.1	8/29	36	1
DP4724RR	DPL	55.1	13.5	53.0	8/25	32	1
DG 4860RR	Delta Grow	—	—	52.7	8/24	30	1
DPX 4727RR (E)	DPL	—	—	52.5	9/4	31	1
TVX48R018 (E)	Terral	—	—	51.8	8/23	33	1
DK 4968	Delta King	—	16.0	51.7	8/24	34	1
MorSoy RT4707N (E)	MorSoy	—	—	50.8	8/29	31	1
XP49 (E)	Schillinger	—	—	50.7	8/30	39	1
TV49R17	Terral	50.3	21.2	50.2	8/23	44	1
NK S49-W6	NK Brand	—	—	50.2	9/4	39	1
TV48R14	Terral	51.9	19.5	50.1	8/25	36	1
DP 07-4950RR (E)	DPL	—	—	50.1	8/27	35	1
AG4903	Asgrow	58.8	16.8	49.9	8/27	29	1
DG 35Z49	Dyna-Gro	62.6	19.1	49.4	8/27	36	1
49D6	AgVenture	—	18.3	49.3	8/24	36	1
USG 7495nRS	USG	—	—	48.9	8/28	33	1
MorSoy RT 4955N	MorSoy	53.7	16.4	48.8	8/27	32	1
DG 36Y48	Dyna-Gro	—	—	48.5	8/29	33	1
Asgrow EXP648AX (E)	Asgrow	—	—	48.5	8/27	29	1
Progeny 4949RR	Progeny	61.5	19.0	48.3	8/29	36	1
DG 37P49	Dyna-Gro	—	18.7	48.2	8/27	32	1
HBK R4727	Hornbeck	—	—	48.2	9/4	38	1
4955RR	Croplan Genetics	—	15.1	48.1	8/21	37	1
HBK R4924	Hornbeck	59.3	14.2	48.0	9/4	40	1
DG 4960RR	Delta Grow	56.7	10.9	47.1	8/30	27	1
DK 4995	Armor	—	—	45.5	8/25	42	1
TV47R17	Terral	57.2	16.7	45.0	8/27	37	1
TN03-12RR (E)	Public	—	—	41.0	8/30	31	1
AV XP49A (E)	AgVenture	—	—	38.8	8/24	38	1
AV XP49B (E)	AgVenture	—	—	28.4	8/30	40	1
Overall Mean		53.2	19.0	53.3			
LSD (.10)				5.7			
Error degrees of freedom				128			
CV (%)				7.9			
R^2 (%)				79			

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

Location 3. Todd Williams Farm, Olive Branch

Location Summary

Excellent stands were established, and early-season growing conditions were good. Hot, dry conditions during reproductive stages caused severe plant stress. Disease and insect pressure were light.

Soil type	Collins silt loam
Soil pH	6.0
Soil fertility	P=H; K=H
Fertilizer added	0-20-20 @ 200 lb/A
Herbicide application	Preemergence — Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 24 oz/A + Septer @ 2.86 oz/A (May 1) Postemergence — Roundup Weathermax @ 22 oz/A + First Rate @ 0.15 oz/A (June 21)
Planting date	May 8; Late Planted (DeSoto County) — June 22
Harvest date	Group IV RR – Sept. 19; Group VE RR – Oct. 11; Group VL RR – Oct. 31; Late Planted (DeSoto County) – Oct. 31

Rainfall Summary

	Inches
April	2.61
May	1.25
June	0.64
July	2.72
August	3.10
September	0.98
October	2.15
Total	13.45

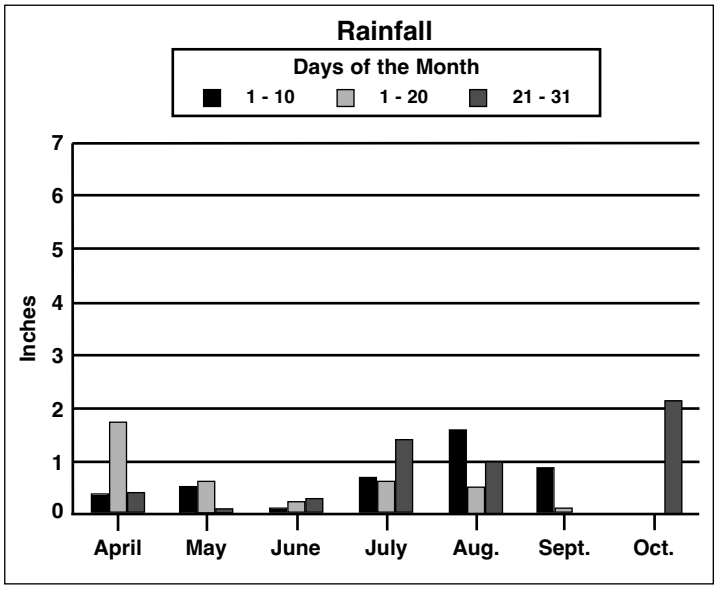

Table 41. Roundup Ready Maturity Group III Soybeans Planted April 13, 2007 (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
AG3906	Asgrow	49.3	40.0	53.7	8/27	36	1
DP 07-3980RR (E)	DPL	—	—	49.8	8/21	34	1
DP 07-3972RR (E)	DPL	—	—	48.2	8/26	36	1
Armor 39-K4	Armor	—	34.9	46.5	8/23	39	1
AG3905	Asgrow	43.5	39.6	43.7	8/22	38	1
DP3993RR	DPL	—	—	42.2	8/21	36	1
HBK R3927	Hornbeck	—	—	40.5	8/28	46	1
AG3803	Asgrow	—	—	39.4	8/22	36	1
DG 31J39	Dyna-Gro	42.8	37.1	38.3	8/21	40	1
HBK R3824	Hornbeck	—	44.7	36.7	8/26	40	1
AV38T7	AgVenture	49.9	33.4	34.7	8/26	34	1
MorSoy RT 3906N	MorSoy	—	42.0	34.7	8/23	38	1
S03-051RR (E)	Public	—	—	32.0	8/21	44	1
Overall Mean		44.3	37.9	41.6			
LSD (.10)				6.6			
Error degrees of freedom				24			
CV (%)				11.3			
R^2 (%)				75			

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

Table 42. Roundup Ready Maturity Group IV Early Soybeans Planted April 13, 2007 (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
Asgrow DKB46-51 (C)	Asgrow	—	—	44.5	8/27	40	3
HBK R3927	Hornbeck	—	—	44.3	9/3	40	2
USG 74A27	USG	—	—	44.1	8/24	34	2
AG4405	Asgrow	—	—	43.1	8/24	38	3
DG 4470RR/STS	Delta Grow	—	—	42.9	8/22	32	1
94M50	Pioneer	—	42.4	42.9	8/28	38	1
Asgrow DKB46-51	Asgrow	56.9	48.9	42.7	8/27	38	4
DP 07-4492RR/S (E)	DPL	—	—	42.1	8/28	32	1
DP 07-4732RR (E)	DPL	—	—	41.8	8/23	36	2
AG4703	Asgrow	—	—	41.4	8/29	38	2
DP 4112 RR/S	DPL	—	31.1	41.3	8/27	38	2
DG35D44	Dyna-Gro	—	—	40.4	8/26	42	2
DG 35B40	Dyna-Gro	58.5	46.6	39.8	8/28	38	3
DK 4567	Delta King	—	—	39.8	8/29	36	2
Progeny 4206RR	Progeny	—	41.5	39.6	8/24	36	1
TVX45R118 (E)	Terral	—	—	39.4	8/22	44	2
AV 44D4	AgVenture	58.3	40.3	38.9	8/29	40	2
TV44R27	Terral	—	42.5	38.6	8/22	41	3
NK S43-B1	NK Brand	55.3	44.8	38.5	8/27	33	2
94M31	Pioneer	—	32.3	38.4	8/23	38	2
RC4444	Croplan Genetics	—	—	38.2	8/29	42	2
P4507RR (E)	Progeny	—	—	38.0	8/24	36	1
MorSoy RTS4556N (E)	MorSoy	—	—	37.6	8/27	36	2
DG 37A44	Dyna-Gro	61.9	51.3	37.6	8/28	40	3
AG4403	Asgrow	56.9	44.0	37.5	8/28	40	1
DPX 4334RR (E)	DPL	—	—	37.0	8/28	40	2
AG4404	Asgrow	57.7	47.7	36.7	28/26	38	2
AV XP46 (E)	AgVenture	—	—	36.2	8/27	38	1
HBK R3824	Hornbeck	—	—	36.1	8/27	38	3
NK S46-U6	NK Brand	53.1	41.5	35.7	9/5	38	2
S04-5969 (E)	Public	—	51.8	35.4	8/27	37	1
MPV4808nRR	M-Pride	—	—	35.3	8/29	46	3
S04-6008 (E)	Public	—	—	35.0	8/28	38	2
TV45R14	Terral	40.9	32.7	35.0	8/27	44	2
AG4605	Asgrow	—	—	34.7	8/29	36	2
Armor X4228 (E)	Armor	—	—	34.6	8/22	34	1
AG4604	Asgrow	—	—	34.5	8/27	40	3
TVX45R018 (E)	Terral	—	—	34.4	8/22	41	1
DG4460RR	Delta Grow	60.0	54.9	34.3	8/22	42	2
DG4150RR	Delta Grow	61.8	53.8	34.3	8/27	39	2
Progeny 4606RR	Progeny	—	—	33.7	8/27	32	1
DG 33Y45	Dyna-Gro	—	—	33.4	8/22	33	1
S04-6013 (E)	Public	—	—	33.3	8/28	36	2
TV46R15	Terral	50.4	39.5	33.3	8/27	48	2
HBK R4527	Hornbeck	—	—	33.1	9/5	40	2
TVX46R018 (E)	Terral	—	—	32.8	8/22	43	2
DP 4450RR	DPL	—	42.8	32.8	8/28	40	2
MorSoy RT 4485N	MorSoy	66.3	49.4	32.5	8/28	44	2
Armor X4560 (E)	Armor	—	—	32.2	8/26	36	3
Progeny 4405RR	Progeny	61.5	49.5	31.7	8/25	46	2
467.RCP	Schillinger	—	—	31.7	8/29	38	1
DP 07-4470RR (E)	DPL	—	—	31.2	8/28	34	1
DP4546RR	DPL	47.0	40.9	30.4	8/28	40	2
4782-4	Stine	—	35.9	30.1	8/29	32	2
457.RCP	Schillinger	—	—	29.0	8/24	46	3
Armor GP-454	Armor	55.8	42.4	28.5	8/23	46	3
DG4660RR	Delta Grow	57.0	49.4	28.2	8/21	42	4
DG 32R46	Dyna-Gro	—	46.8	27.5	8/27	34	1
USG 7440nRR	USG	55.8	48.6	26.4	8/24	36	1
DG 37F46	Dyna-Gro	—	54.4	26.1	8/24	42	3
DK 4667	Delta King	59.2	44.1	26.0	8/29	42	4
USG 7466nRR	USG	60.3	52.8	25.1	8/28	38	3
RC 4655	Croplan Genetics	39.7	40.2	20.9	8/28	44	3
Overall Mean		53.9	43.4	35.4			
LSD (.10)				7.2			
Error degrees of freedom				124			
CV (%)				15.1			
R^2 (%)				60			

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

Table 43. Roundup Ready Maturity Group IV Late Soybeans Planted April 13, 2007 (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DK XTJ847 (E)	Delta King	—	—	38.0	9/5	40	1
94B73	Pioneer	45.8	39.3	37.6	9/6	41	3
DK 4968	Delta King	—	50.8	33.3	9/6	44	2
94M80	Pioneer	47.1	32.2	31.3	9/7	43	3
DG4770RR	Delta Grow	—	38.3	31.1	8/24	39	3
Progeny 4706RR	Progeny	—	45.2	31.0	8/22	40	4
DK 4763RR	Delta King	66.2	36.7	30.9	8/24	41	2
XP47 (E)	Schillinger	—	—	30.8	9/5	37	2
DG 38X47	Dyna-Gro	—	—	30.8	8/29	38	2
94M71	Pioneer	—	—	30.3	9/6	50	3
495.RC(G)	Schillinger	69.9	51.5	29.9	9/13	45	3
DK XTJ848 (E)	Delta King	—	—	29.5	9/5	43	2
495.RC	Schillinger	—	—	29.3	8/29	47	2
AV XP47A (E)	AgVenture	—	—	29.0	8/27	35	1
MorSoy RT4707N (E)	MorSoy	—	—	28.9	8/24	39	2
AV XP47B (E)	AgVenture	—	—	28.9	9/6	39	1
TV49R27	Terral	—	41.9	28.5	9/6	41	2
DG 4960RR	Delta Grow	—	—	28.5	9/15	38	3
USG 74F78	USG	—	—	28.1	8/29	38	1
TN03-12RR (E)	Public	—	—	28.0	9/15	36	1
AG4703	Asgrow	61.7	46.2	27.9	8/27	43	2
USG 7494nRR	USG	52.9	42.7	27.6	8/24	38	1
MorSoy RT 4914N	MorSoy	58.7	50.4	27.6	8/29	45	3
DP 4888RR/S	DPL	—	50.2	27.1	8/25	42	1
DPX 4727RR (E)	DPL	—	—	27.1	8/27	38	1
DG 37P49	Dyna-Gro	—	55.2	27.1	8/30	39	2
AV49J7NRR	AgVenture	61.6	57.9	27.0	—	38	3
TVX47R118 (E)	Terral	—	—	26.9	8/29	44	1
DG 4780RR	Delta Grow	—	—	26.8	8/28	41	1
HBK HX4843 (E)	Hornbeck	—	50.0	26.6	8/24	49	3
DK4967RR	Delta King	51.6	34.1	26.3	8/29	41	3
DP 4919 RR/S	DPL	59.3	46.1	26.1	8/25	47	2
TVX47R018 (E)	Terral	—	—	25.2	8/29	46	3
DG 4840RR	Delta Grow	59.6	45.3	25.1	8/22	38	3
DP4724RR	DPL	49.9	44.5	24.9	8/28	34	2
47G3 NRR	AgVenture	—	—	24.8	9/5	44	2
HBK R4924	Hornbeck	57.3	48.0	23.7	8/29	42	2
MorSoy RTS 4706N	MorSoy	—	35.4	23.7	8/26	32	1
DG4975LARR	Delta Grow	—	44.2	23.5	9/6	41	2
HBK R4727	Hornbeck	—	—	23.4	8/28	40	1
NK S49-W6	NK Brand	—	36.8	23.3	9/29	42	1
XP49 (E)	Schillinger	—	—	23.0	9/6	45	3
P4807RR (E)	Progeny	—	—	23.0	8/27	42	1
Armor X4996 (E)	Armor	—	—	22.8	8/21	35	1
DG 4970RR	Delta Grow	63.4	50.5	22.7	8/29	44	2
Progeny 4949RR	Progeny	51.1	40.8	22.7	8/29	44	2
TVX48R018 (E)	Terral	—	—	22.7	8/29	43	2
DK 4995	Armor	—	—	22.4	8/29	46	1
AG4903	Asgrow	56.0	46.9	22.1	8/29	40	1
DG 36Y48	Dyna-Gro	—	—	21.8	8/29	40	1
TV48R14	Terral	56.3	49.1	21.8	6/6	41	1
DP 07-4950RR (E)	DPL	—	—	21.3	8/28	44	2
DG 4860RR	Delta Grow	50.0	42.2	21.3	8/26	39	2
4955RR	Croplan Genetics	—	56.9	21.0	9/13	44	2
AV XP49A (E)	AgVenture	—	—	21.0	9/6	42	2
DK4866	Delta King	54.6	44.0	20.2	9/6	40	1
DG 35Z49	Dyna-Gro	66.7	52.9	20.2	8/29	45	2
49D6	AgVenture	—	56.4	19.8	8/29	43	2
TV47R17	Terral	56.1	40.3	19.7	09*06	48	2
Asgrow EXP648AX (E)	Asgrow	—	—	19.2	8/28	38	1
Progeny 4906RR	Progeny	—	48.6	19.2	8/28	38	2
AV XP49B (E)	AgVenture	—	—	18.6	9/15	40	1
TV49R17	Terral	58.1	44.1	17.6	8/29	48	1
MorSoy RT 4955N	MorSoy	64.3	47.0	14.7	8/29	38	2
USG 7495nRS	USG	—	—	12.9	8/29	38	1
Overall Mean		55.8	45.3	25.3			
LSD (.10)				7.6			
Error degrees of freedom				127			
CV (%)				22.2			
R^2 (%)				55			

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

Table 44. Roundup Ready Maturity Group V Early Soybeans Planted April 13, 2007 (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 5570RR	Delta Grow	—	—	36.0	10/10	43	1
ESXVT-425 (E)	Eagle Seed	—	—	32.5	10/10	35	1
DP5634RR	DPL	35.7	47.4	31.1	10/10	39	1
DG 5555RR	Delta Grow	—	—	30.6	10/10	45	1
DG 31R54	Dyna-Gro	—	—	30.2	10/10	36	1
ESXVT-110RR (E)	Eagle Seed	33.8	48.8	30.1	10/10	35	1
AGS 568RR	AgSouth	—	47.3	30.0	10/10	41	1
TVX56R018 (E)	Terral	—	—	29.3	10/10	37	1
Progeny 5650RR	Progeny	39.4	47.8	28.2	10/10	40	1
ESXVT-16 (E)	Eagle Seed	—	30.6	28.2	10/10	36	1
TV55R15	Terral	36.7	46.8	28.1	10/10	39	1
HBK R5226	Hornbeck	—	43.6	26.6	10/10	38	1
DG 5450RR	Delta Grow	—	—	26.5	10/10	40	1
DG 33X55	Dyna-Gro	42.6	41.6	26.2	10/10	40	1
NK S52-F2	NK Brand	—	43.6	25.5	10/10	34	1
AV XP56 (E)	AgVenture	—	—	25.0	10/10	39	1
DG 34J56	Dyna-Gro	—	51.0	24.9	10/10	34	1
DK 5368	Delta King	—	41.8	24.9	10/10	39	1
MorSoy RT5407N (E)	MorSoy	—	—	24.7	10/1	33	1
DK 52K6	Delta King	—	49.1	24.6	10/6	40	1
DG 5630RR	Delta Grow	36.6	52.3	24.5	10/10	43	1
TVX53R118 (E)	Terral	—	—	24.5	10/10	39	1
DK55T6RR	Delta King	44.0	46.8	24.4	10/4	45	1
USG Allen	USG	—	—	23.9	10/10	37	1
MorSoy RT5307N (E)	MorSoy	—	—	23.8	9/30	40	1
DG 33B52	Dyna-Gro	36.6	39.7	23.6	10/1	31	1
TVX52R218 (E)	Terral	—	—	23.3	10/10	42	1
AV 54P1NRR	AgVenture	—	—	23.1	9/16	40	1
RC 5555	Croplan Genetics	—	—	22.7	10/2	44	1
95M30	Pioneer	—	41.5	22.6	10/3	44	2
NK S56-D7	NK Brand	41.7	48.6	22.4	10/10	38	1
TVX52R128 (E)	Terral	—	—	22.4	10/10	43	1
TVX53R018 (E)	Terral	—	—	22.4	10/10	36	1
Armor GP 513	Armor	36.7	46.3	22.0	10/1	34	1
ESXVT-111 (E)	Eagle Seed	—	39.4	22.0	10/3	38	1
DK 5567RR	Delta King	37.7	39.8	21.9	10/10	39	1
RC 5332	Croplan Genetics	—	—	21.9	10/2	43	1
HBK R5425	Hornbeck	39.8	42.2	21.9	10/10	45	1
DG 33P54	Dyna-Gro	—	—	21.7	9/15	37	1
FFR 5663RR	FFR	38.5	55.4	21.7	9/29	39	1
TVX54R018 (E)	Terral	—	—	21.5	9/16	38	1
HBK R5525	Hornbeck	39.5	42.5	21.5	10/10	38	1
AV XP54A (E)	AgVenture	—	—	21.3	9/25	45	1
95M50	Pioneer	35.6	40.9	20.9	9/29	42	1
DK 5366RR	Delta King	44.3	40.6	20.5	10/10	43	1
52P2	AgVenture	—	—	20.1	10/10	38	1
DG 32A53	Dyna-Gro	—	42.4	20.1	10/5	40	1
NK S56-D7 (C)	NK Brand	—	—	20.0	10/10	44	1
TVX53R028 (E)	Terral	—	—	20.0	10/10	36	1
USG 7553nRS	USG	41.1	46.5	19.9	10/10	41	1
TVX52R028 (E)	Terral	—	—	19.7	10/10	42	1
AV 50D2NRR	AgVenture	66.7	49.6	19.4	9/12	45	1
AG5501	Asgrow	40.2	47.0	18.6	10/10	42	1
ESXVT-173 (E)	Eagle Seed	—	44.3	18.5	10/10	46	1
RC 5007	Croplan Genetics	—	—	18.2	9/25	40	1
DG5300RR	Delta Grow	—	46.3	18.1	9/28	38	1
DK 5161RR	Delta King	36.0	40.2	18.1	10/4	34	2
DP 5115RR/S	DPL	35.8	39.8	17.8	9/29	41	1
Armor GP-533	Armor	—	42.3	17.8	10/1	37	1
DG 39F51	Dyna-Gro	—	—	17.8	9/6	39	1
P5507RR (E)	Progeny	—	—	17.6	9/28	39	1
MPG 7554nRR	M-Pride	—	—	17.5	9/16	42	1
TV52R14	Terral	32.6	44.5	17.3	10/1	39	1
TVX52R018 (E)	Terral	—	—	17.2	9/15	40	1
DP5414RR	DPL	35.0	37.9	17.1	10/10	38	1
MorSoy RT 5306N	MorSoy	—	—	16.8	9/30	38	1
MPG 7552nRR	M-Pride	—	—	16.7	10/10	41	1
DK 5068RR	Delta King	—	47.2	16.5	9/13	43	1
DP 5335RR/S	DPL	—	—	16.0	9/29	37	1

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

Table 44 (cont.). Roundup Ready Maturity Group V Early Soybeans Planted April 13, 2007 (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
P5307RR (E)	Progeny	—	—	15.8	9/12	43	1
HBK RS5227	Hornbeck	—	—	15.5	9/29	37	1
DG 5270RR	Delta Grow	—	—	15.4	9/6	42	1
ESXVT-155 (E)	Eagle Seed	—	41.4	14.8	10/2	40	1
P5407RR (E)	Progeny	—	—	14.6	10/1	43	1
DP 51-103RR (E)	DPL	—	—	14.4	9/29	44	1
FFR 5116RR	FFR	—	46.3	14.2	9/26	39	1
AV 53D3NRR	AgVenture	—	—	14.1	9/28	42	2
MPG Exp.55-7nRR (E)	M-Pride	—	—	14.0	9/6	42	1
ESXVT-78 (E)	Eagle Seed	—	45.8	13.8	10/2	46	2
DG5470RR	Delta Grow	—	39.2	13.7	9/16	42	1
MorSoy RT5107N	MorSoy	—	—	13.7	9/6	39	1
ESXVT-675 (E)	Eagle Seed	—	42.8	13.1	9/16	40	1
Armor GP-500	Armor	—	—	13.0	9/16	41	1
DK XTJ851 (E)	Delta King	—	—	13.0	9/15	38	1
DK 5066RR	Delta King	34.2	40.2	12.5	9/6	41	1
P5207RR (E)	Progeny	—	—	12.0	9/13	40	1
USG 75J17	USG	—	—	12.0	9/5	39	1
Progeny 5115RR	Progeny	30.5	38.3	11.7	9/6	39	1
ESXVT-518 (E)	Eagle Seed	—	42.7	11.4	9/15	42	1
AV 54D4	AgVenture	34.4	40.5	11.2	10/10	44	1
DG5160RR	Delta Grow	36.4	46.4	9.8	9/6	42	1
557.RC	Schillinger	—	—	8.5	9/16	36	1
Overall Mean		37.7	42.0	20.3			
LSD (.10)				6.0			
Error degrees of freedom				182			
CV (%)				22.1			
R^2 (%)				79			

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

Table 45. Roundup Ready Maturity Group V Late Soybeans Planted April 13, 2007 (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5915RR	DPL	39.6	51.8	31.8	10/29	42	1
TV59R16	Terral	—	46.9	31.4	10/29	43	1
DG5830RR	Delta Grow	37.8	47.0	30.7	10/22	43	1
DG 33C59	Dyna-Gro	—	—	29.3	10/29	39	1
HBK R5825	Hornbeck	32.6	37.2	29.1	10/22	40	1
DG 5970RR	Delta Grow	—	—	28.9	10/22	41	3
USG 7582nRR	USG	—	44.8	27.5	10/29	40	1
NK S59-B8	NK Brand	—	48.8	27.5	10/22	44	1
Progeny 5706RR	Progeny	—	50.9	25.3	10/26	44	1
DP 5914RR	DPL	—	42.3	24.1	10/29	40	1
DP J02-11990RR	DPL	—	—	23.2	10/29	45	2
DG 3583NRR	Dyna-Gro	37.1	46.1	22.1	10/22	42	1
95M80	Pioneer	34.6	47.3	21.2	10/22	41	2
DG 5960RR	Delta Grow	32.4	41.0	20.4	10/22	42	2
AG5905	Asgrow	40.0	44.3	20.3	10/26	46	2
AG5903	Asgrow	35.7	44.1	19.9	10/5	39	3
DP 5808RR	DPL	35.3	53.3	19.9	10/22	44	3
TV57R16	Terral	—	42.2	19.8	10/22	46	3
TV57R14	Terral	37.3	52.8	19.1	10/26	44	2
DP 5808RR(G)	DPL	—	—	18.3	10/22	45	4
DG 36N57	Dyna-Gro	31.7	48.3	18.2	10/8	34	4
DP J02-11943RR	DPL	—	—	17.2	10/22	42	3
DG 32B57	Dyna-Gro	—	—	14.9	10/10	27	2
AV 57D7RR	AgVenture	36.1	54.2	14.4	10/7	39	3
Overall Mean		35.1	46.2	23.1			
LSD (.10)				5.9			
Error degrees of freedom				46			
CV (%)				18.7			
R^2 (%)				79			

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

Table 46. Maturity Group IV Early Soybeans Late Planted on June 22, 2007, and Not Irrigated (Clifton Farms, DeSoto County). [1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 4667	Delta King	—	34.4	38.5	—	31	1
Progeny 4405RR	Progeny	—	37.6	29.1	—	32	1
94B73	Pioneer	—	39.6	28.8	—	23	1
94M30	Pioneer	—	42.4	25.5	—	28	1
Overall Mean		—	38.5	30.5			
LSD (.10)				5.3			
Error degrees of freedom				6			
CV (%)				10.9			
R^2 (%)				82			

[1]Collins silt loam soil. All are released varieties. No 3-year yields. No maturity dates taken.

Table 47. Maturity Group IV Late Soybeans Late Planted on June 22, 2007, and Not Irrigated (Clifton Farms, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4949RR	Progeny	—	37.6	40.6	—	32	1
94M80	Pioneer	—	42.6	36.4	—	33	1
Armor 47-G7	Armor	—	33.4	36.0	—	27	1
DK4967RR	Delta King	—	39.0	36.0	—	28	1
Overall Mean		—	38.1	37.3			
LSD (.10)				2.7			
Error degrees of freedom				6			
CV (%)				4.5			
R^2 (%)				81			

[1]Collins silt loam soil. All are released varieties. No 3-year yields. No maturity dates taken.

Table 48. Maturity Group V Early Soybeans Late Planted on June 22, 2007, and Not Irrigated (Clifton Farms, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
FFR 5663RR	FFR	—	—	41.4	—	25	1
DK 5366RR	Delta King	—	49.3	40.8	—	32	1
DP5414RR	DPL	—	52.4	38.1	—	34	1
495.RC	Schillinger	—	46.2	35.7	—	31	1
Overall Mean		—	49.1	39.0			
LSD (.10)				4.4			
Error degrees of freedom				6			
CV (%)				7.1			
R^2 (%)				71			

[1]Collins silt loam soil. All are released varieties. No 3-year yields. No maturity dates taken.

Table 49. Maturity Group V Late Soybeans Late Planted on June 22, 2007, and Not Irrigated (Clifton Farms, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5634RR	DPL	—	47.3	43.6	—	31	1
DP5915RR	DPL	—	45.5	42.4	—	31	1
AG5905	Asgrow	—	39.5	40.7	—	36	1
95M80	Pioneer	—	47.4	34.2	—	30	1
Overall Mean		—	44.9	40.2			
LSD (.10)				4.1			
Error degrees of freedom				6			
CV (%)				6.5			
R^2 (%)				83			

[1]Collins silt loam soil. All are released varieties. No 3-year yields. No maturity dates taken.

Location 4. Gibb Steele Farms, Longwood

Location Summary

The early growing season was dry with irrigation beginning in May. Group IV yields were reduced under these conditions. The Group V yields did exceptionally well. Fortunately, some late-August rainfall finished the V's without additional irrigation.

Soil type	**Sharkey clay**
Soil pH	**7.4**
Soil fertility	**P=H; K=H**
Fertilizer added	**None**
Herbicide application	**Preemergence — Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 24 oz/A + Septer @ 2.86 oz/A (April 30)** **Postemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A + Blazer Ultra @ 8 oz/A (May 31)** **Conventional – Classic @ .75 oz/A + Blazer Ultra @ 16 oz/A (May 31)** **Classic @ .75 oz/A + Dual II Magnum @ 16 oz/A + Select @ 10 oz/A Layby (July 20)**
Irrigation	**May 28, June 11, June 25, July 28, and Aug. 9**
Planting date	**April 30**
Harvest date	**Group IV Con. and RR — Sept. 20; Group V E and L Conv. and V E RR – Oct. 1; Group V L RR – Oct. 4**

Rainfall Summary

	Inches
April	4.75
May	2.75
June	4.00
July	7.00
August	7.00
September	5.25
October	3.25
Total	34.00

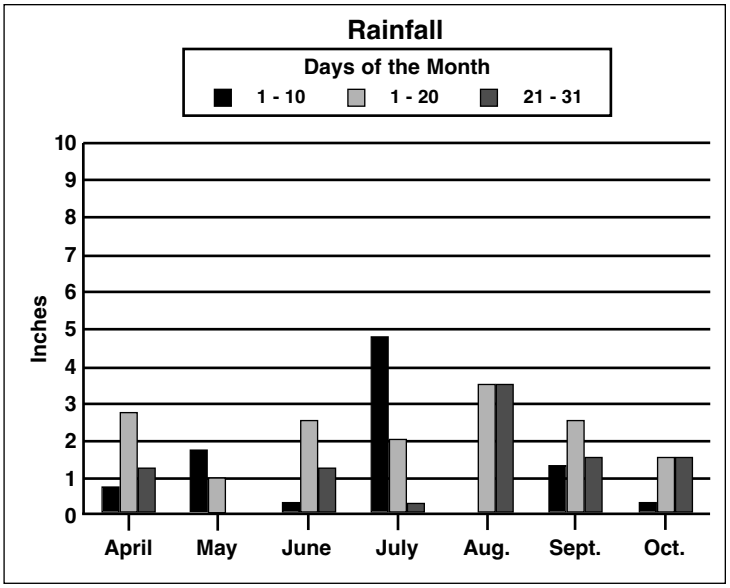

Table 50. Maturity Group IV Soybeans Planted April 14, 2007 (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C4926	Hornbeck	—	84.6	66.0	9/16	31	2
UA4805	Public	59.4	69.2	53.5	9/15	21	1
DP4748S	DPL	56.3	49.6	48.3	9/19	30	1
Overall Mean		61.7	71.4	55.9			
LSD (.10)				14.2			
Error degrees of freedom				4			
CV (%)				14.6			
R^2 (%)				69			

[1]Sharkey clay soil. All are released varieties.

Table 51. Maturity Group V Early Soybeans Planted April 14, 2007 (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C5025	Hornbeck	78.8	81.0	70.6	9/20	37	2
Jake	Public	72.0	77.4	66.9	9/14	22	1
DB03-8416 (E)	Public	—	—	63.4	9/20	23	1
DB01-5289 (E)	Public	—	73.4	60.6	9/19	22	1
DP5110S	DPL	78.2	68.9	55.9	9/18	29	2
DB02-2517 (E)	Public	—	—	54.6	9/15	27	1
USG 5002T	USG	68.4	71.9	53.7	9/16	18	1
USG 5601T	USG	72.3	64.1	51.5	9/26	20	1
Ozark	Public	61.4	57.2	50.8	9/19	21	1
DB03-1381 (E)	Public	—	—	49.1	9/22	22	1
DB03-2811 (E)	Public	—	—	47.8	9/18	27	1
Stoddard	Public	63.3	82.1	46.3	9/15	19	1
DB03-10440 (E)	Public	—	—	44.1	9/15	23	1
Overall Mean		69.4	69.9	55.0			
LSD (.10)				6.3			
Error degrees of freedom				24			
CV (%)				8.1			
R^2 (%)				84			

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

Table 52. Maturity Group V Late Soybeans Planted April 14, 2007 (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C5894	Hornbeck	79.8	72.7	68.8	9/25	30	1
Osage	Public	—	—	67.3	9/25	23	1
Overall Mean		71.8	75.9	68.1			
LSD (.10)				8.3			
Error degrees of freedom				2			
CV (%)				5.1			
R^2 (%)				52			

[1]Sharkey clay soil. All are released varieties.

Table 53. Roundup Ready Maturity Group IV Early Soybeans Planted April 14, 2007 (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DP 07-4732RR (E)	DPL	—	—	65.4	9/9	30	1
Armor X4560 (E)	Armor	—	—	54.7	9/5	26	1
DG 32R46	Dyna-Gro	—	71.0	54.4	9/6	25	1
AG4605	Asgrow	—	—	54.3	9/6	27	1
HBK R4527	Hornbeck	—	—	54.2	9/4	28	1
4782-4	Stine	—	70.4	53.5	9/7	22	1
Progeny 4206RR	Progeny	—	—	51.9	9/10	28	1
USG 7466nRR	USG	76.9	69.2	51.2	9/6	30	1
Asgrow DKB46-51 (C)	Asgrow	—	—	50.6	9/7	27	1
DG 37F46	Dyna-Gro	—	70.4	50.3	9/5	34	1
USG 74A27	USG	—	—	49.5	9/4	23	1
P4507RR (E)	Progeny	—	—	49.4	9/3	28	1
TV46R15	Terral	61.8	58.3	49.3	9/2	36	1
MorSoy RTS4556N (E)	MorSoy	—	—	49.0	9/9	26	1
DG4660RR	Delta Grow	71.4	69.6	48.7	9/10	31	1
DP4546RR	DPL	65.7	57.5	48.3	9/2	30	1
Asgrow DKB46-51	Asgrow	63.9	60.0	47.9	9/5	26	1
DK 4667	Delta King	70.9	68.4	47.7	9/10	35	1
NK S43-B1	NK Brand	62.9	46.2	47.4	9/8	27	1
DG 4470RR/STS	Delta Grow	—	—	47.2	9/9	24	1
Progeny 4606RR	Progeny	—	52.8	47.1	9/1	24	1
AV XP46 (E)	AgVenture	—	—	47.0	9/9	29	1
DPX 4334RR (E)	DPL	—	—	46.7	9/11	26	1
DG 37A44	Dyna-Gro	61.8	52.1	46.6	9/2	26	1
NK S46-U6	NK Brand	—	59.4	46.6	9/18	26	1
457.RCP	Schillinger	—	—	46.5	9/16	31	1
DK 4567	Delta King	—	—	46.3	9/11	24	1
MPV4808nRR	M-Pride	—	—	45.9	9/12	34	1
DG 33Y45	Dyna-Gro	—	—	45.1	9/8	26	1
S04-6013 (E)	Public	—	—	45.0	8/29	29	1
RC 4655	Croplan Genetics	57.4	59.4	44.3	9/6	31	1
DP 07-4470RR (E)	DPL	—	—	44.0	9/9	27	1
S04-6008 (E)	Public	—	—	43.9	9/2	26	1
94M50	Pioneer	—	50.1	43.8	9/10	22	1
AG4604	Asgrow	—	—	43.6	9/5	23	1
467.RCP	Schillinger	—	—	43.2	9/11	23	1
AG4403	Asgrow	60.9	62.4	43.2	9/8	25	1
TVX46R018 (E)	Terral	—	—	43.2	9/3	27	1
AG4703	Asgrow	—	—	43.2	9/4	23	1
USG 7440nRR	USG	63.7	58.5	43.0	9/6	30	1
TVX45R018 (E)	Terral	—	—	42.6	9/1	26	1
TV44R27	Terral	—	47.9	42.5	9/2	33	1
DP 07-4492RR/S (E)	DPL	—	—	42.2	9/14	23	1
RC4444	Croplan Genetics	—	—	42.0	9/5	25	1
DP 4112 RR/S	DPL	—	44.8	42.0	9/7	33	1
HBK R3927	Hornbeck	—	—	42.0	8/31	29	1
TVX45R118 (E)	Terral	—	—	41.7	9/2	29	1
Armor GP-454	Armor	72.3	53.3	41.5	9/4	25	1
AV 44D4	AgVenture	59.9	48.5	41.5	9/2	30	1
AG4405	Asgrow	—	—	40.7	8/27	22	1
TV45R14	Terral	61.3	45.8	40.7	8/30	27	1
HBK R3824	Hornbeck	55.2	53.0	40.3	8/29	28	1
DP 4450RR	DPL	—	54.1	38.9	9/3	30	1
DG4460RR	Delta Grow	57.9	48.0	38.9	9/4	27	1
AG4404	Asgrow	57.4	57.1	38.1	9/9	27	1
94M31	Pioneer	—	49.1	38.0	9/4	22	1
Armor X4228 (E)	Armor	—	—	37.5	9/7	22	1
MorSoy RT 4485N	MorSoy	60.4	52.4	36.6	8/30	25	1
Progeny 4405RR	Progeny	57.4	54.3	36.0	9/3	28	1
DG35D44	Dyna-Gro	—	—	35.9	9/2	29	1
DG 35B40	Dyna-Gro	61.1	48.8	35.3	9/1	28	1
S04-5969 (E)	Public	—	—	33.5	8/29	28	1
DG4150RR	Delta Grow	61.1	48.4	31.8	9/4	23	1
Overall Mean		62.8	54.3	44.8			
LSD (.10)				8.0			
Error degrees of freedom				124			
CV (%)				13.1			
R^2 (%)				66			

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

Table 54. Roundup Ready Maturity Group IV Late Soybeans Planted April 14, 2007 (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 4995	Armor	—	—	66.5	9/21	33	1
TV47R17	Terral	74.2	74.3	60.8	9/18	38	1
Progeny 4906RR	Progeny	—	75.0	56.9	9/17	30	1
AV XP49A (E)	AgVenture	—	—	56.7	8/18	32	1
495.RC	Schillinger	—	—	56.6	9/18	32	1
DG 36Y48	Dyna-Gro	—	—	56.2	9/14	30	1
49D6	AgVenture	—	70.6	55.3	9/19	27	1
AV XP47A (E)	AgVenture	—	—	55.2	9/12	24	1
AG4903	Asgrow	71.3	74.3	55.0	9/11	26	1
Progeny 4949RR	Progeny	74.5	68.8	55.0	9/26	30	1
P4807RR (E)	Progeny	—	—	54.2	9/23	31	1
DG4975LARR	Delta Grow	—	70.5	54.1	9/14	23	1
DG 37P49	Dyna-Gro	—	77.1	52.5	9/16	25	1
4955RR	Croplan Genetics	—	67.8	52.4	9/17	26	1
XP47 (E)	Schillinger	—	—	52.0	9/12	25	1
DG 4780RR	Delta Grow	—	—	52.0	9/19	29	1
XP49	Schillinger	—	—	51.5	9/17	31	1
AV XP47B (E)	AgVenture	—	—	51.5	9/12	27	1
DG 36Y48	Dyna-Gro	—	—	51.3	9/11	26	1
TVX47R018 (E)	Terral	—	—	51.1	9/12	29	1
AV XP49B (E)	AgVenture	—	—	50.7	9/18	29	1
DP 07-4950RR (E)	DPL	—	—	50.4	9/22	33	1
USG 7495nRS	USG	—	—	50.4	9/18	29	1
DK4866	Delta King	81.3	83.4	49.9	9/11	24	1
HBK R4924	Hornbeck	75.8	67.3	49.8	9/14	33	1
DK4967RR	Delta King	67.0	71.2	49.6	9/3	29	1
MorSoy RT4707N (E)	MorSoy	—	—	49.4	9/22	27	1
TN03-12RR (E)	Public	—	—	49.1	9/13	19	1
MorSoy RT 4955N	MorSoy	70.9	73.8	49.1	9/11	28	1
DP 4919 RR/S	DPL	75.6	65.0	48.9	9/7	30	1
DG 35Z49	Dyna-Gro	72.1	73.8	48.8	9/11	33	1
495.RC(G)	Schillinger	69.8	71.5	48.7	9/16	23	1
TV49R17	Terral	75.0	70.4	48.5	9/9	32	1
TV49R27	Terral	—	69.9	48.4	9/14	29	1
DK XTJ847 (E)	Delta King	—	—	48.4	9/15	23	1
TVX48R018 (E)	Terral	—	—	48.3	9/13	27	1
DP 4888RR/S	DPL	—	69.8	48.2	9/10	30	1
HBK R4727	Hornbeck	—	—	47.7	9/18	31	1
DK XTJ848 (E)	Delta King	—	—	47.4	9/10	25	1
DK 4763RR	Delta King	64.3	64.9	47.1	9/4	25	1
USG 74F78	USG	—	—	47.0	9/17	27	1
DG 4840RR	Delta Grow	70.0	66.7-	46.8	9/7	27	1
Armor X4996 (E)	Armor	—	—	46.8	9/22	25	1
DG 4960RR	Delta Grow	—	—	46.8	9/10	19	1
DK 4968	Delta King	—	70.9	46.5	9/9	26	1
47G3 NRR	AgVenture	—	—	46.3	9/21	29	1
Progeny 4706RR	Progeny	—	70.7	46.0	9/1	28	1
94M71	Pioneer	—	—	45.9	9/16	27	1
TV48R14	Terral	74.1	60.2	45.8	9/18	30	1
94B73	Pioneer	69.0	62.9	45.2	9/6	25	1
TVX47R118 (E)	Terral	—	—	45.2	9/11	29	1
MorSoy RT 4914N	MorSoy	71.6	73.3	45.2	9/9	28	1
DG 4970RR	Delta Grow	66.6	67.3	44.9	9/11	26	1
HBK HX4843 (E)	Hornbeck	—	63.8	44.2	9/7	31	1
Asgrow EXP648AX (E)	Asgrow	—	—	43.5	9/12	25	1
DG 4860RR	Delta Grow	65.1	72.8	42.6	9/6	25	1
AV49J7NRR	AgVenture	70.6	73.1	42.4	9/10	28	1
NK S49-W6	NK Brand	—	69.4	40.9	9/13	27	1
MorSoy RTS 4706N	MorSoy	—	72.4	40.3	9/10	22	1
DG4770RR	Delta Grow	—	58.5	40.1	9/5	29	1
94M80	Pioneer	56.5	62.4	39.7	9/3	24	1
USG 7494nRR	USG	70.4	72.0	39.3	9/9	25	1
DPX 4727RR (E)	DPL	—	—	39.2	9/18	28	1
AG4703	Asgrow	66.4	73.6	37.7	9/4	25	1
DP4724RR	DPL	65.9	74.6	36.0	9/1	24	1
Overall Mean		69.9	69.2	48.6			
LSD (.10)				7.5			
Error degrees of freedom				128			
CV (%)				11.4			
R^2 (%)				65			

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

Table 55. Roundup Ready Maturity Group V Early Soybeans Planted April 14, 2007 (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
ESXVT-425 (E)	Eagle Seed	—	—	70.9	9/28	25	1
TV55R15	Terral	74.3	78.5-	70.0	9/26	33	1
NK S56-D7 (C)	NK Brand	—	—	65.6	9/23	25	1
HBK R5226	Hornbeck	—	72.0	64.6	9/21	23	1
HBK R5525	Hornbeck	67.1	70.8	63.6	9/26	25	1
TVX53R118 (E)	Terral	—	—	63.4	9/22	25	1
DK 5366RR	Delta King	75.3	74.1	63.0	10/1	24	1
TVX56R018 (E)	Terral	—	—	62.9	9/22	39	1
TVX52R028 (E)	Terral	—	—	61.6	9/14	26	1
AV XP56 (E)	AgVenture	—	—	61.5	9/26	27	1
HBK R5425	Hornbeck	70.1	60.1	61.5	9/30	39	2
Armor GP-533	Armor	—	80.6	61.0	9/19	25	1
TVX53R028 (E)	Terral	—	—	60.9	9/25	21	1
Progeny 5650RR	Progeny	69.6	73.8	60.9	10/2	28	1
DG 5555RR	Delta Grow	—	—	60.5	9/26	27	1
FFR 5663RR	FFR	69.6	77.7	60.3	9/29	22	1
USG Allen	USG	—	—	60.1	10/1	25	1
DG 34J56	Dyna-Gro	—	75.1	60.1	9/20	28	1
DK 52K6	Delta King	—	74.5	59.8	9/22	22	1
DP5634RR	DPL	69.7	71.0	59.6	9/20	28	1
DK 5368	Delta King	—	76.9	59.1	9/21	19	1
DK XTJ851 (E)	Delta King	—	—	57.9	9/19	22	1
NK S56-D7	NK Brand	62.1	72.4	57.8	9/26	23	1
DK 5068RR	Delta King	—	80.1	57.5	9/18	30	1
95M30	Pioneer	—	68.7	56.4	9/18	28	1
DG 33X55	Dyna-Gro	72.3	71.8	55.4	9/22	20	1
AGS 568RR	AgSouth	—	79.3	54.8	9/26	20	1
DG 32A53	Dyna-Gro	—	69.2	54.7	9/21	23	1
DG 31R54	Dyna-Gro	—	—	54.3	9/24	24	1
DK55T6RR	Delta King	68.0	66.0	54.3	9/22	21	1
Armor GP 513	Armor	74.4	72.2	54.1	9/14	20	1
DP 5335RR/S	DPL	—	—	54.0	9/21	29	1
TVX53R018 (E)	Terral	—	—	53.9	9/23	25	1
DG 33B52	Dyna-Gro	73.3	67.6	53.8	9/14	17	1
MPG 7552nRR	M-Pride	—	—	53.5	9/14	25	1
95M50	Pioneer	70.9	74.1	53.5	9/20	22	1
NK S52-F2	NK Brand	—	64.5	53.4	9/21	20	1
TVX52R128 (E)	Terral	—	—	52.6	9/16	25	1
DK 5567RR	Delta King	64.2	64.8	52.2	9/26	18	1
DP 51-103RR (E)	DPL	—	—	51.8	9/18	33	2
ESXVT-173 (E)	Eagle Seed	—	57.1	51.7	9/18	29	3
DK 5161RR	Delta King	63.0	76.0	51.1	9/16	20	1
DG 5630RR	Delta Grow	69.0	66.3	51.1	9/30	27	1
AV 54D4	AgVenture	66.9	63.2	50.7	9/16	33	1
TVX54R018 (E)	Terral	—	—	50.4	9/26	17	1
DG 5450RR	Delta Grow	—	—	50.0	9/30	23	1
Armor GP-500	Armor	—	—	49.9	9/11	24	1
TVX52R218 (E)	Terral	—	—	49.8	9/18	27	1
ESXVT-675 (E)	Eagle Seed	—	54.8	49.0	9/9	32	1
AV 54P1NRR	AgVenture	—	—	48.8	9/20	17	1
P5407RR (E)	Progeny	—	—	48.6	9/22	31	1
RC 5332	Croplan Genetics	—	—	48.3	9/19	23	1
DG 5570RR	Delta Grow	—	—	47.9	9/27	23	1
P5207RR (E)	Progeny	—	—	47.8	9/18	31	1
Progeny 5115RR	Progeny	73.5	66.8	47.7	9/14	30	1
DG5470RR	Delta Grow	62.2	—	47.7	9/25	31	1
HBK RS5227	Hornbeck	—	—	46.9	9/14	25	1
ESXVT-16 (E)	Eagle Seed	—	68.8	46.3	9/21	14	1
ESXVT-518 (E)	Eagle Seed	—	66.9	46.2	9/12	33	2
DP 5115RR/S	DPL	70.2	67.0	45.7	9/18	37	1
USG 75J17	USG	—	—	45.7	9/16	29	1
DP5414RR	DPL	70.3	66.9	45.6	9/19	25	1
DK 5066RR	Delta King	72.7	69.0	44.8	9/9	31	2
52P2	AgVenture	—	—	44.5	9/20	20	1
AV 53D3NRR	AgVenture	—	—	44.2	9/11	25	1
557.RC	Schillinger	—	—	43.7	9/19	18	1
ESXVT-78 (E)	Eagle Seed	—	51.8	43.5	9/16	24	2
DG 5270RR	Delta Grow	—	—	43.3	9/16	31	1
MPG 7554nRR	M-Pride	—	—	43.1	9/25	30	1
ESXVT-155 (E)	Eagle Seed	—	67.0	43.0	9/15	14	1
ESXVT-110RR (E)	Eagle Seed	56.2	66.9	42.7	9/24	19	1

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

Table 55 (cont.). Roundup Ready Maturity Group V Early Soybeans Planted April 14, 2007 (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 39F51	Dyna-Gro	—	—	42.4	9/11	28	1
TV52R14	Terral	70.9	70.7	41.9	9/15	24	1
AV XP54A (E)	AgVenture	—	—	41.1	9/14	29	1
ESXVT-111 (E)	Eagle Seed	—	65.7	41.1	9/22	24	1
AG5501	Asgrow	65.9	71.4	40.9	9/20	22	1
MPG Exp.55-7nRR (E)	M-Pride	—	—	40.8	9/10	32	1
FFR 5116RR	FFR	—	76.5	40.8	9/14	21	1
RC 5007	Croplan Genetics	—	—	40.7	9/11	20	1
DG5300RR	Delta Grow	—	67.6	40.7	9/15	20	1
AV 50D2NRR	AgVenture	72.3	72.3	40.4	9/9	28	1
P5307RR (E)	Progeny	—	—	39.7	9/12	28	1
MorSoy RT5307N (E)	MorSoy	—	—	39.7	9/12	31	1
MorSoy RT 5306N	MorSoy	—	68.6	38.8	9/11	25	1
DG5160RR	Delta Grow	70.5	71.8	38.4	9/11	22	1
MorSoy RT5107N	MorSoy	—	—	38.1	9/14	29	1
DG 33P54	Dyna-Gro	—	—	37.7	9/23	20	1
P5507RR (E)	Progeny	—	—	37.1	9/27	19	1
MorSoy RT5407N (E)	MorSoy	—	—	36.3	9/19	19	1
TVX52R018 (E)	Terral	—	—	35.9	9/16	31	1
RC 5555	Croplan Genetics	—	—	35.8	9/21	24	1
USG 7553nRS	USG	61.0	65.2	30.7	9/20	20	1
Overall Mean		67.0	67.5	50.3			
LSD (.10)				10.1			
Error degrees of freedom				182			
CV (%)				14.9			
R^2 (%)				70			

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

Table 56. Roundup Ready Maturity Group V Late Soybeans Planted April 14, 2007 (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 33C59	Dyna-Gro	—	—	80.9	10/2	25	1
TV59R16	Terral	—	77.6	75.8	9/26	24	1
Progeny 5706RR	Progeny	—	74.5	71.9	10/3	27	1
DP J02-11943RR (E)	DPL	—	—	70.6	9/26	26	1
TV57R16	Terral	—	73.5	68.0	9/25	28	1
DG 36N57	Dyna-Gro	70.0	75.7	66.4	9/26	20	1
DP 5808RR	DPL	71.1	82.4	66.3	9/24	29	1
DG 5970RR	Delta Grow	—	—	65.9	10/2	26	1
AV 57D7RR	AgVenture	68.1	74.7	65.2	9/29	20	1
USG 7582nRR	USG	—	65.6	64.9	10/2	25	1
AG5905	Asgrow	66.4	69.3	64.7	9/27	25	1
DG 3583NRR	Dyna-Gro	64.3	67.8	64.1	9/25	22	1
DG 5960RR	Delta Grow	71.1	55.5	63.3	9/26	20	1
DP 5808RR (G)	DPL	—	—	61.3	9/23	30	1
NK S59-B8	NK Brand	—	63.4	61.3	9/26	21	1
DG5830RR	Delta Grow	66.9	68.3	60.1	9/30	25	1
95M80	Pioneer	65.5	69.1	60.0	9/26	23	1
DP5915RR	DPL	67.0	65.4	59.6	10/4	26	1
AG5903	Asgrow	65.8	67.5	59.4	9/27	25	1
DP 5914RR	DPL	—	66.7	57.2	9/30	23	1
DP J02-11990RR (E)	DPL	—	—	57.1	9/30	26	1
HBK R5825	Hornbeck	69.3	70.3	52.6	10/1	16	1
TV57R14	Terral	68.1	68.1	51.0	9/20	26	1
DG 32B57	Dyna-Gro	—	—	48.3	9/18	18	1
Overall Mean		67.9	68.2	63.2			
LSD (.10)				9.4			
Error degrees of freedom				46			
CV (%)				10.9			
R^2 (%)				65			

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

Location 5. MAFES Black Belt Branch, Brooksville

Location Summary

Soybeans were planted into a seedbed tilled with a field cultivator prior to planting. Rainfall settled the seedbed, which retained good moisture, and stands were quickly established. Temperatures were above normal, and rainfall was far below normal in April, May, June, and August. The combination of hot, dry weather greatly reduced yields.

Soil type	**Brooksville silty clay**
Soil pH	**6.2**
Soil fertility	**P=M; K=M**
Fertilizer added	**P_2O_5 @ 78 lb/A + K_2O @ 78 lb/A**
Herbicide application	**Preemergence — Roundup Weathermax @ 22 oz/A + Dual II Magnum @ 32 oz/A + Septer @ 2.86 oz/A (April 17)** **Postemergence — Roundup Ready – Roundup Weathermax @ 22 oz/A (May 14) Roundup Weathermax @ 22 oz/A + Blazer Ultra @ 6 oz/A + Pursuit @ 1.44 oz/A Layby (July 5)** **Conventional — Select @ 10 oz/A + First Rate @ 0.3 oz/A + Classic @ .25 oz/A (May 14) Pursuit @ 1.44 oz/A + Blazer @ 6 oz/A + Select @ 10 oz/A Layby (July 5)**
Insecticide	**Karate Z @ 1.6 oz/A (Aug. 15)**
Planting date	**April 17**
Harvest date	**Group III – April 17; Group IV E and L RR – Aug. 28; Group IV Conv. – Aug. 30; Group V E and L Conv. and RR – Sept. 19**

Rainfall Summary

	Inches
April	**2.75**
May	**0.68**
June	**1.77**
July	**4.66**
August	**0.78**
September	**5.78**
October	**2.61**
Total	**19.03**

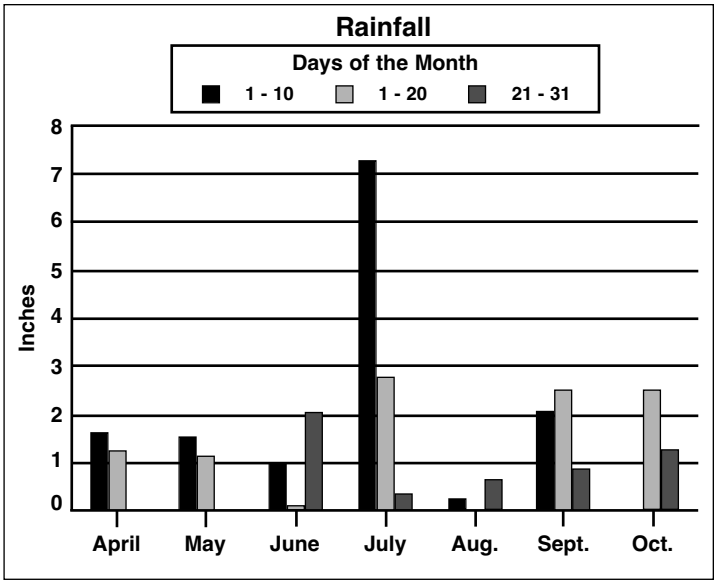

Table 57. Maturity Group IV Soybeans Planted April 17, 2007 (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006[2]	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DP4748S	DPL	—	—	39.8	8/20	24	1
UA4805	Public	—	—	38.9	8/18	26	1
HBK C4926	Hornbeck	—	—	30.1	8/20	36	1
Overall Mean		—	—	36.3			
LSD (.10)				7.7			
Error degrees of freedom				4			
CV (%)				12.3			
R^2 (%)				69			

[1]Brooksville silty clay soil. All are released varieties.
[2]No 2- or 3-year yields.

Table 58. Maturity Group V Early Soybeans Planted April 17, 2007 (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006[2]	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 5002T	USG	—	—	38.6	8/19	18	1
Jake	Public	—	—	33.0	8/31	22	1
Stoddard	Public	—	—	32.2	8/19	18	1
DB03-8416 (E)	Public	—	—	29.5	8/31	28	1
DB02-2517 (E)	Public	—	—	29.0	8/23	30	1
DB01-5289 (E)	Public	—	—	28.2	8/31	28	1
DB03-10440 (E)	Public	—	—	27.6	8/18	23	1
DB03-2811 (E)	Public	—	—	26.1	8/29	29	1
DB03-1381 (E)	Public	—	—	25.5	8/25	26	1
Ozark	Public	—	—	24.9	8/31	26	1
HBK C5025	Hornbeck	—	—	24.6	8/30	34	1
USG 5601T	USG	—	—	24.6	8/29	28	1
DP5110S	DPL	—	—	23.9	8/19	31	1
Overall Mean		—	—	28.3			
LSD (.10)				5.8			
Error degrees of freedom				24			
CV (%)				14.6			
R^2 (%)				61			

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

Table 59. Maturity Group V Late Soybeans Planted April 17, 2007 (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006[2]	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
Osage	Public	—	—	34.5	9/1	27	1
HBK C5894	Hornbeck	—	—	28.2	8/30	29	1
Overall Mean		—	—	31.3			
LSD (.10)				6.2			
Error degrees of freedom				2			
CV (%)				8.3			
R^2 (%)				85			

[1]Brooksville silty clay soil. All are released varieties.
[2]No 2- or 3-year yields.

Table 60. Roundup Ready Maturity Group III Soybeans Planted April 17, 2007 (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006[2]	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
AG3905	Asgrow	—	—	33.3	8/8	21	1
HBK R3927	Hornbeck	—	—	33.1	8/9	27	1
DP3993RR	DPL	—	—	32.4	8/12	22	1
HBK R3824	Hornbeck	—	—	30.7	8/7	26	1
DP 07-3980RR (E)	DPL	—	—	30.1	8/13	20	1
MorSoy RT 3906N	MorSoy	—	—	29.6	8/10	25	1
Armor 39-K4	Armor	—	—	29.1	8/9	18	1
DG 31J39	Dyna-Gro	—	—	26.8	8/8	25	1
S03-051RR (E)	Public	—	—	25.1	8/12	26	1
DP 07-3972RR (E)	DPL	—	—	24.5	8/13	23	1
AG3906	Asgrow	—	—	23.0	8/9	16	1
AG3803	Asgrow	—	—	22.9	8/7	20	1
AV38T7	AgVenture	—	—	20.4	8/9	15	1
Overall Mean		—	—	27.8			
LSD (.10)				5.2			
Error degrees of freedom				24			
CV (%)				13.3			
R^2 (%)				68			

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

Table 61. Roundup Ready Maturity Group IV Early Soybeans Planted April 17, 2007 (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006[2]	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
NK S46-U6	NK Brand	—	—	42.6	8/16	32	1
HBK R3927	Hornbeck	—	—	39.4	8/19	33	1
DG4660RR	Delta Grow	—	—	38.8	8/13	27	1
Armor X4228 (E)	Armor	—	—	38.6	8/11	17	1
Armor X4560 (E)	Armor	—	—	38.5	8/13	19	1
DP 07-4470RR	DPL	—	—	37.4	8/14	21	1
HBK R4527	Hornbeck	—	—	37.3	8/9	31	1
DG 37F46	Dyna-Gro	—	—	37.0	8/14	28	1
AG4405	Asgrow	—	—	36.2	8/9	22	1
AV 44D4	AgVenture	—	—	36.1	8/14	24	1
USG 7466nRR	USG	—	—	35.9	8/15	29	1
TV44R27	Terral	—	—	35.8	8/11	26	1
MPV4808nRR	M-Pride	—	—	35.7	8/14	29	1
USG 7440nRR	USG	—	—	35.5	8/14	27	1
Armor GP-454	Armor	—	—	35.4	8/10	23	1
S04-6013 (E)	Public	—	—	35.4	8/11	24	1
DK 4667	Delta King	—	—	35.4	8/14	28	1
DG4150RR	Delta Grow	—	—	35.3	8/11	19	1
94M50	Pioneer	—	—	35.0	8/8	22	1
AG4703	Asgrow	—	—	34.5	8/9	17	1
4782-4	Stine	—	—	34.4	8/13	21	1
HBK R3824	Hornbeck	—	—	34.1	8/9	26	1
DP 4450RR	DPL	—	—	34.0	8/15	26	1
DG 35B40	Dyna-Gro	—	—	34.0	8/11	24	1
S04-5969 (E)	Public	—	—	33.5	8/14	23	1
USG 74A27	USG	—	—	33.5	8/13	18	1
DP 07-4732RR (E)	DPL	—	—	33.2	8/15	22	1
TVX45R018 (E)	Terral	—	—	33.0	8/10	25	1
DP 07-4492RR/S (E)	DPL	—	—	32.4	8/14	19	1
Progeny 4606RR	Progeny	—	—	32.2	8/13	26	1
AG4604	Asgrow	—	—	32.1	8/9	23	1
TV45R14	Terral	—	—	32.1	8/8	24	1
Asgrow DKB46-51 (C)	Asgrow	—	—	32.0	8/11	22	1
457.RCP	Schillinger	—	—	31.5	8/15	27	1
TVX45R118 (E)	Terral	—	—	31.4	8/10	22	1
DPX 4334RR (E)	DPL	—	—	31.4	8/12	23	1
AG4403	Asgrow	—	—	31.4	8/13	25	1
TV46R15	Terral	—	—	31.3	8/11	29	1
NK S43-B1	NK Brand	—	—	31.2	8/8	25	1
DP4546RR	DPL	—	—	31.1	8/15	27	1
DG 32R46	Dyna-Gro	—	—	31.1	8/13	25	1
AV XP46 (E)	AgVenture	—	—	31.0	8/14	24	1
DG 37A44	Dyna-Gro	—	—	31.0	8/11	25	1
AG4605	Asgrow	—	—	30.8	8/14	18	1
DG4460RR	Delta Grow	—	—	30.8	8/10	28	1
TVX46R018 (E)	Terral	—	—	30.7	8/10	25	1
Asgrow DKB46-51	Asgrow	—	—	30.6	8/9	18	1
S04-6008 (E)	Public	—	—	30.5	8/10	25	1
467.RCP	Schillinger	—	—	30.2	8/8	21	1
DP 4112 RR/S	DPL	—	—	30.0	8/12	25	1
Progeny 4206RR	Progeny	—	—	29.8	8/14	24	1
Progeny 4405RR	Progeny	—	—	29.8	8/14	25	1
RC 4655	Croplan Genetics	—	—	29.8	8/11	24	1
RC4444	Croplan Genetics	—	—	29.5	8/10	21	1
DG 4470RR/STS	Delta Grow	—	—	29.3	8/14	17	1
MorSoy RTS4556N (E)	MorSoy	—	—	27.7	8/13	22	1
DK 4567	Delta King	—	—	27.7	8/9	18	1
MorSoy RT 4485N	MorSoy	—	—	27.6	8/8	26	1
P4507RR (E)	Progeny	—	—	27.4	8/13	32	1
AG4404	Asgrow	—	—	27.1	8/12	26	1
DG35D44	Dyna-Gro	—	—	27.0	8/9	18	1
DG 33Y45	Dyna-Gro	—	—	26.9	8/13	18	1
94M31	Pioneer	—	—	26.4	8/6	18	1
Overall Mean		—	—	32.7			
LSD (.10)				6.3			
Error degrees of freedom				124			
CV (%)				14.4			
R^2 (%)				53			

[1]Brooksville silty clay soil. (E) = Experimental. (C) = Cruiser.
[2]No 2- or 3-year yields.

Table 62. Roundup Ready Maturity Group IV Late Soybeans Planted April 17, 2007 (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006[2]	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG4975LARR	Delta Grow	—	—	38.7	8/15	27	1
495.RC(G)	Schillinger	—	—	38.6	8/21	34	1
DG 4960RR	Delta Grow	—	—	37.5	8/21	29	1
DG 37P49	Dyna-Gro	—	—	37.2	8/17	28	1
TVX48R018 (E)	Terral	—	—	37.1	8/12	22	1
DK4866	Delta King	—	—	37.0	8/16	23	1
DP4724RR	DPL	—	—	37.0	8/13	24	1
XP47 (E)	Schillinger	—	—	36.8	8/15	32	1
DP 4888RR/S	DPL	—	—	36.7	8/10	27	1
DP 4919 RR/S	DPL	—	—	36.3	8/13	29	1
USG 74F78	USG	—	—	36.0	8/14	26	1
DG 36Y48	Dyna-Gro	—	—	35.7	8/18	31	1
DG 4840RR	Delta Grow	—	—	35.7	8/15	27	1
XP49 (E)	Schillinger	—	—	35.3	8/19	23	1
AV XP49A (E)	AgVenture	—	—	35.0	8/15	31	1
TVX47R118 (E)	Terral	—	—	34.9	8/12	25	1
MorSoy RTS 4706N	MorSoy	—	—	34.7	8/15	23	1
TV49R17	Terral	—	—	34.6	8/15	26	1
HBK HX4843 (E)	Hornbeck	—	—	34.5	8/14	31	1
USG 7494nRR	USG	—	—	34.3	8/15	23	1
DK XTJ847 (E)	Delta King	—	—	33.8	8/16	26	1
DG 36Y48	Dyna-Gro	—	—	33.7	8/12	24	1
HBK R4924	Hornbeck	—	—	33.6	8/17	27	1
AG4703	Asgrow	—	—	33.6	8/16	25	1
495.RC	Schillinger	—	—	33.5	8/17	27	1
DG 4860RR	Delta Grow	—	—	33.3	8/14	26	1
DK4967RR	Delta King	—	—	33.3	8/15	30	1
AG4903	Asgrow	—	—	33.2	8/24	23	1
Progeny 4906RR	Progeny	—	—	33.2	8/17	24	1
AV49J7NRR	AgVenture	—	—	33.2	8/14	23	1
P4807RR (E)	Progeny	—	—	33.1	8/15	26	1
94M80	Pioneer	—	—	33.0	8/15	30	1
AV XP47A (E)	AgVenture	—	—	32.7	8/14	24	1
MorSoy RT 4914N	MorSoy	—	—	32.5	8/18	30	1
DG 35Z49	Dyna-Gro	—	—	32.5	8/15	30	1
USG 7495nRS	USG	—	—	32.3	8/15	25	1
Asgrow EXP648AX (E)	Asgrow	—	—	32.3	8/16	29	1
MorSoy RT4707N (E)	MorSoy	—	—	32.1	8/15	26	1
TVX47R018 (E)	Terral	—	—	32.1	8/12	24	1
TV49R27	Terral	—	—	32.1	8/21	26	1
DK 4968	Delta King	—	—	31.8	8/15	32	1
Progeny 4706RR	Progeny	—	—	31.8	8/14	26	1
AV XP47B (E)	AgVenture	—	—	31.7	8/13	30	1
94B73	Pioneer	—	—	31.7	8/13	31	1
49D6	AgVenture	—	—	31.3	8/19	24	1
DK 4995	Armor	—	—	31.2	8/15	19	1
DG4770RR	Delta Grow	—	—	31.0	8/14	25	1
TV47R17	Terral	—	—	30.9	8/18	29	1
HBK R4727	Hornbeck	—	—	30.8	8/15	22	1
47G3 NRR	AgVenture	—	—	30.4	8/16	33	1
NK S49-W6	NK Brand	—	—	30.3	8/17	28	1
Armor X4996 (E)	Armor	—	—	30.2	8/15	25	1
MorSoy RT 4955N	MorSoy	—	—	30.0	8/15	24	1
Progeny 4949RR	Progeny	—	—	29.9	8/15	21	1
DG 4970RR	Delta Grow	—	—	29.6	8/14	27	1
TN03-12RR (E)	Public	—	—	29.5	8/22	29	1
4955RR	Croplan Genetics	—	—	29.2	8/22	29	1
DG 4780RR	Delta Grow	—	—	28.9	8/14	23	1
DP 07-4950RR (E)	DPL	—	—	28.7	8/17	28	1
DK 4763RR	Delta King	—	—	28.3	8/15	23	1
TV48R14	Terral	—	—	27.8	8/14	23	1
DK XTJ848 (E)	Delta King	—	—	27.1	8/14	26	1
DPX 4727RR (E)	DPL	—	—	26.9	8/13	24	1
AV XP49B (E)	AgVenture	—	—	26.7	8/15	32	1
94M71	Pioneer	—	—	26.7	8/13	24	1
Overall Mean		—	—	32.7			
LSD (.10)				5.5			
Error degrees of freedom				128			
CV (%)				12.5			
R^2 (%)				48			

[1]Brooksville silty clay soil. (E) = Experimental. (G) = Gaucho.
[2]No 2- or 3-year yields.

Table 63. Roundup Ready Maturity Group V Early Soybeans Planted April 17, 2007 (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006[2]	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 5555RR	Delta Grow	—	—	34.1	8/30	30	1
TVX56R018 (E)	Terral	—	—	33.3	9/1	29	1
TV55R15	Terral	—	—	32.1	9/4	30	1
TVX52R028 (E)	Terral	—	—	30.8	8/28	34	1
Armor GP-500	Armor	—	—	30.7	8/21	31	1
Armor GP-533	Armor	—	—	29.9	9/5	28	1
DG 31R54	Dyna-Gro	—	—	29.3	9/1	22	1
DG 33P54	Dyna-Gro	—	—	29.0	8/22	25	1
DG 32A53	Dyna-Gro	—	—	28.8	8/28	24	1
ESXVT-675 (E)	Eagle Seed	—	—	28.7	8/22	34	1
TVX53R028 (E)	Terral	—	—	28.6	9/1	21	1
ESXVT-173 (E)	Eagle Seed	—	—	28.1	9/4	38	1
MorSoy RT5407N (E)	MorSoy	—	—	27.9	8/24	25	1
MPG 7554nRR	M-Pride	—	—	27.7	8/19	27	1
DG 5570RR	Delta Grow	—	—	27.7	9/2	23	1
TVX52R218 (E)	Terral	—	—	27.7	8/30	32	1
NK S56-D7 (C)	NK Brand	—	—	27.5	9/4	32	1
DG 33B52	Dyna-Gro	—	—	27.5	8/26	22	1
DP 5335RR/S	DPL	—	—	27.4	8/18	26	1
P5507RR (E)	Progeny	—	—	27.3	8/24	27	1
52P2	AgVenture	—	—	27.3	9/1	21	1
TVX52R128 (E)	Terral	—	—	27.3	8/29	31	1
Progeny 5650RR	Progeny	—	—	27.2	9/7	33	1
FFR 5663RR	FFR	—	—	27.2	8/29	26	1
DG 34J56	Dyna-Gro	—	—	26.9	9/2	26	1
Progeny 5115RR	Progeny	—	—	26.8	8/16	34	1
AV 53D3NRR	AgVenture	—	—	26.8	8/26	23	1
DK 5368	Delta King	—	—	26.7	9/2	25	1
MorSoy RT 5306N (E)	MorSoy	—	—	26.7	8/24	30	1
ESXVT-111 (E)	Eagle Seed	—	—	26.6	9/2	27	1
ESXVT-78 (E)	Eagle Seed	—	—	26.6	8/28	34	1
DK 5161RR	Delta King	—	—	26.4	8/23	18	1
ESXVT-518 (E)	Eagle Seed	—	—	26.3	8/24	36	1
DK 52K6	Delta King	—	—	26.0	9/3	27	1
RC 5332	Croplan Genetics	—	—	26.0	8/27	28	1
DK 5366RR	Delta King	—	—	26.0	9/2	26	1
DG5470RR	Delta Grow	—	—	25.8	8/31	30	1
TVX54R018 (E)	Terral	—	—	25.7	8/23	20	1
MorSoy RT5307N (E)	MorSoy	—	—	25.6	8/16	29	1
P5407RR (E)	Progeny	—	—	25.0	8/22	30	1
DP 5115RR/S	DPL	—	—	25.0	8/22	28	1
DP 51-103RR	DPL	—	—	25.0	8/17	28	1
DG5160RR	Delta Grow	—	—	24.8	8/17	24	1
MorSoy RT5107N	MorSoy	—	—	24.7	8/18	30	1
Armor GP 513	Armor	—	—	24.7	8/30	25	1
DK55T6RR	Delta King	—	—	24.7	8/30	26	1
AV 54P1NRR	AgVenture	—	—	24.6	8/24	20	1
DK XTJ851 (E)	Delta King	—	—	24.5	8/27	28	1
ESXVT-16 (E)	Eagle Seed	—	—	24.5	8/30	27	1
AV 54D4	AgVenture	—	—	24.4	8/19	38	1
ESXVT-155 (E)	Eagle Seed	—	—	24.3	8/27	23	1
HBK R5226	Hornbeck	—	—	24.3	9/3	25	1
DG 33X55	Dyna-Gro	—	—	24.2	9/2	25	1
AGS 568RR	AgSouth	—	—	24.0	9/3	25	1
RC 5555	Croplan Genetics	—	—	24.0	8/30	29	1
TV52R14	Terral	—	—	23.8	8/31	25	1
HBK R5425	Hornbeck	—	—	23.8	8/26	36	1
DK 5068RR	Delta King			23.8	9/18	32	1
DK 5567RR	Delta King	—	—	23.7	8/24	24	1
DP5414RR	DPL	—	—	23.5	9/1	35	1
USG 7553nRS	USG	—	—	23.5	8/23	26	1
DG5300RR	Delta Grow	—	—	23.3	8/29	26	1
MPG 7552nRR	M-Pride	—	—	23.0	8/20	23	1
TVX52R018 (E)	Terral	—	—	22.9	8/18	33	1
DG 5450RR	Delta Grow	—	—	22.8	9/9	25	1
NK S56-D7	NK Brand	—	—	22.7	9/9	27	1
TVX53R118 (E)	Terral	—	—	22.5	9/3	28	1
TVX53R018 (E)	Terral	—	—	22.4	9/2	24	1
DK 5066RR	Delta King	—	—	22.3	8/18	26	1
P5207RR (E)	Progeny	—	—	22.2	8/16	29	1

[1]Brooksville silty clay soil. (E) = Experimental. (C) = Cruiser.
[2]No 2- or 3-year yields.

Table 63 (cont.). Roundup Ready Maturity Group V Early Soybeans Planted April 17, 2007 (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006[2]	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
95M50	Pioneer	—	—	22.1	8/26	27	1
USG Allen	USG	—	—	22.0	9/2	31	1
DG 39F51	Dyna-Gro	—	—	22.0	8/18	26	1
HBK RS5227	Hornbeck	—	—	21.9	8/23	26	1
HBK R5525	Hornbeck	—	—	21.8	8/24	23	1
DG 5270RR	Delta Grow	—	—	21.8	8/17	32	1
ESXVT-110RR (E)	Eagle Seed	—	—	21.8	9/1	22	1
AV XP56 (E)	AgVenture	—	—	21.7	9/11	24	1
NK S52-F2	NK Brand	—	—	21.5	8/26	18	1
P5307RR (E)	Progeny	—	—	21.4	8/16	29	1
AG5501	Asgrow	—	—	21.3	9/3	29	1
MPG Exp.55-7nRR (E)	M-Pride	—	—	20.8	8/23	30	1
95M30	Pioneer	—	—	20.6	8/29	28	1
AV XP54A (E)	AgVenture	—	—	20.0	8/17	26	1
DG 5630RR	Delta Grow	—	—	20.0	9/11	31	1
AV 50D2NRR	AgVenture	—	—	20.0	8/18	27	1
DP5634RR	DPL	—	—	19.7	9/2	35	1
557.RC	Schillinger	—	—	19.6	8/23	18	1
ESXVT-425 (E)	Eagle Seed	—	—	19.1	9/10	26	1
FFR 5116RR	FFR	—	—	19.1	8/21	28	1
USG 75J17	USG	—	—	18.7	8/21	28	1
RC 5007	Croplan Genetics	—	—	17.6	8/22	22	1
Overall Mean		—	—	24.8			
LSD (.10)				5.8			
Error degrees of freedom				182			
CV (%)				17.2			
R^2 (%)				55			

[1]Brooksville silty clay soil. (E) = Experimental. (C) = Cruiser.
[2]No 2- or 3-year yields.

Table 64. Roundup Ready Maturity Group V Late Soybeans Planted April 17, 2007 (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005[2]	2006[2]	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 33C59	Dyna-Gro	—	—	34.1	9/2	29	1
TV59R16	Terral	—	—	33.1	9/4	27	1
DG 3583NRR	Dyna-Gro	—	—	28.9	9/1	26	1
DG5830RR	Delta Grow	—	—	28.4	9/9	33	1
DG 36N57	Dyna-Gro	—	—	28.4	8/31	28	1
DG 5970RR	Delta Grow	—	—	28.2	9/10	29	1
TV57R14	Terral	—	—	28.0	9/3	24	1
DG 32B57	Dyna-Gro	—	—	28.0	9/1	27	1
TV57R16	Terral	—	—	27.2	9/1	32	1
DP 5808RR	DPL	—	—	26.7	9/2	33	1
DP 5808RR(G)	DPL	—	—	26.7	8/31	28	1
AG5905	Asgrow	—	—	26.3	9/6	24	1
NK S59-B8	NK Brand	—	—	25.9	9/10	32	1
AV 57D7RR	AgVenture	—	—	25.5	8/31	23	1
DG 5960RR	Delta Grow	—	—	25.2	9/3	26	1
HBK R5825	Hornbeck	—	—	25.2	9/9	31	1
AG5903	Asgrow	—	—	25.1	9/6	31	1
USG 7582nRR	USG	—	—	24.9	9/2	24	1
DP 5914RR	DPL	—	—	24.8	9/1	24	1
95M80	Pioneer	—	—	24.6	9/1	24	1
DP5915RR	DPL	—	—	24.2	9/5	27	1
DP J02-11943RR (E)	DPL	—	—	23.9	8/31	29	1
Progeny 5706RR	Progeny	—	—	23.6	9/4	24	1
DP J02-11990RR (E)	DPL	—	—	22.8	9/5	33	1
Overall Mean		—	—	26.7			
LSD (.10)				5.5			
Error degrees of freedom				46			
CV (%)				15.0			
R^2 (%)				44			

[1]Brooksville silty clay soil. (E) = Experimental. (G) = Gaucho.
[2]No 2- or 3-year yields.

Location 6. Belle Meade Plantation, Warren County

Location Summary

Soybeans were planted no-till following corn, and the crop emerged to a good stand. The growing season had above-normal temperatures and above-normal rainfall. Harvest was done in a timely manner with no weather delays, and yields were exceptional.

Soil type	**Commerce silty clay loam**
Soil pH	**6.7**
Soil fertility	**P=H; K=H**
Fertilizer added	**None**
Herbicide application	**Preemergence — Roundup Weathermax @ 22 oz/A + Valor @ 2 oz/A Postemergence — Roundup Weathermax @ 22 oz/A (May 9) Roundup Weathermax @ 22 oz/A (May 31)**
Fungicide	**Headline @ 6 oz/A + Domark @ 6 oz/A (July 24)**
Planting date	**April 16**
Harvest date	**Group IV E and L — Sept. 10; Group V E and L — Oct. 1**

Rainfall Summary

	Inches
April	**2.88**
May	**2.61**
June	**3.09**
July	**10.41**
August	**0.85**
September	**5.39**
October	**3.75**
Total	**28.98**

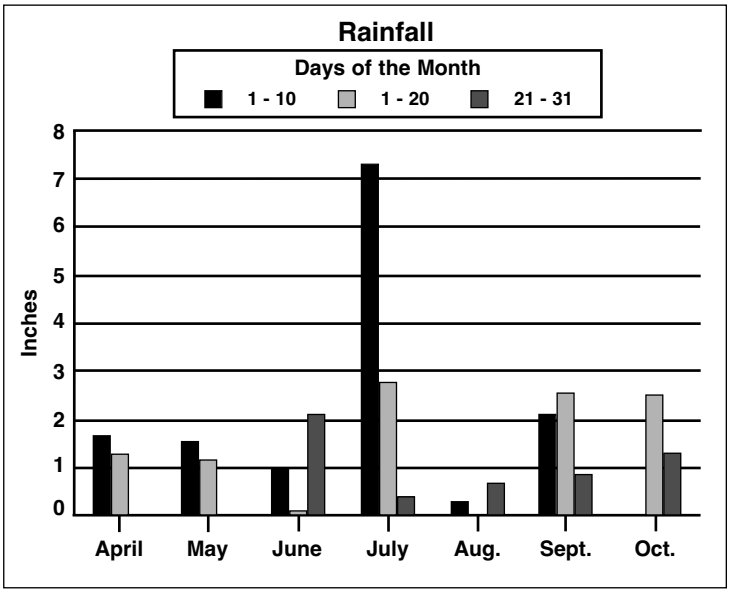

Table 65. Roundup Ready Maturity Group IV Early Soybeans Planted April 11, 2007 (Belle Meade Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4527	Hornbeck	—	—	90.0	9/3	38	1
S04-6008 (E)	Public	—	—	88.3	9/3	32	1
MorSoy RT 4485N	MorSoy	51.6	37.4	87.6	9/3	38	1
S04-6013 (E)	Public	—	—	85.1	9/3	31	1
4782-4	Stine	—	44.9	83.5	9/3	29	1
DG 32R46	Dyna-Gro	—	39.9	83.2	9/3	27	1
DG4660RR	Delta Grow	64.2	43.1	81.8	9/3	44	1
DP4546RR	DPL	70.0	37.4	81.6	9/3	34	1
DK 4667	Delta King	61.1	44.5	81.4	9/3	40	1
AV 44D4	AgVenture	57.0	40.0	80.0	9/3	42	1
AG4604	Asgrow	—	—	79.8	9/3	33	1
AG4403	Asgrow	61.9	35.7	79.5	9/3	33	1
94M31	Pioneer	—	30.1	78.8	9/3	32	1
DG4460RR	Delta Grow	72.4	35.4	78.6	9/3	40	1
457.RCP	Schillinger	—	—	78.5	9/3	39	1
DP 07-4732RR (E)	DPL	—	—	78.5	9/7	29	1
DG 37A44	Dyna-Gro	66.6	38.7	78.2	9/3	41	1
S04-5969 (E)	Public	—	—	78.0	9/3	31	1
RC 4655	Croplan Genetics	58.5	35.3	77.6	9/5	41	1
NK S46-U6	NK Brand	—	40.2	77.4	9/3	37	1
DP 07-4492RR/S (E)	DPL	—	—	77.2	9/3	27	1
RC4444	Croplan Genetics	—	—	77.1	9/3	37	1
P4507RR (E)	Progeny	—	—	76.7	9/3	30	1
MPV4808nRR	M-Pride	—	—	76.6	9/3	40	1
USG 7440nRR	USG	61.0	40.9	76.4	9/3	33	1
DG 37F46	Dyna-Gro	—	45.1	76.2	9/3	40	1
AG4405	Asgrow	—	—	76.0	9/3	29	1
AG4605	Asgrow	—	—	75.7	9/3	28	1
Asgrow DKB46-51 (C)	Asgrow	—	—	75.7	9/3	32	1
DG 4470RR/STS	Delta Grow	—	—	75.4	9/3	27	1
TVX45R118 (E)	Terral	—	—	75.3	9/3	38	1
DG 35B40	Dyna-Gro	59.8	35.5	75.3	9/3	30	1
HBK R3824	Hornbeck	62.2	36.7	75.3	9/3	28	1
USG 7466nRR	USG	53.5	45.3	75.2	9/7	32	1
Progeny 4606RR	Progeny	—	—	75.0	9/3	26	1
DG4150RR	Delta Grow	60.8	31.3	75.0	9/3	33	1
AG4404	Asgrow	53.9	29.7	74.7	9/3	26	1
TV44R27	Terral	—	37.5	74.4	9/3	43	1
AV XP46 (E)	AgVenture	—	—	74.3	9/3	33	1
Armor X4228 (E)	Armor	—	—	74.0	9/3	26	1
467.RCP	Schillinger	—	—	74.0	9/3	33	1
DP 4450RR	DPL	—	38.1	74.0	9/3	39	1
Progeny 4206RR	Progeny	—	37.8	73.7	9/3	29	1
MorSoy RTS4556N (E)	MorSoy	—	—	73.2	9/3	28	1
TVX46R018 (E)	Terral	—	—	72.9	9/3	38	1
TVX45R018 (E)	Terral	—	—	72.9	9/3	41	1
DP 07-4470RR (E)	DPL	—	—	72.6	9/3	31	1
DPX 4334RR (E)	DPL	—	—	72.5	9/7	33	1
HBK R3927	Hornbeck	—	—	72.5	9/3	33	1
TV46R15	Terral	55.6	38.3	72.2	9/3	46	1
DG 33Y45	Dyna-Gro	—	—	71.8	9/3	33	1
DK 4567	Delta King	—	—	71.6	9/3	29	1
Progeny 4405RR	Progeny	61.0	35.0	71.5	9/3	42	1
Armor X4560 (E)	Armor	—	—	71.5	9/3	27	1
AG4703	Asgrow	—	—	71.3	9/3	28	1
NK S43-B1	NK Brand	51.6	31.5	70.1	9/3	27	1
Armor GP-454	Armor	69.8	36.8	69.0	9/3	35	1
Asgrow DKB46-51	Asgrow	59.3	24.5	67.3	9/3	25	1
DP 4112 RR/S	DPL	—	36.5	67.1	9/3	41	1
USG 74A27	USG	—	—	66.1	9/3	27	1
94M50	Pioneer	—	26.4	63.9	9/3	25	1
TV45R14	Terral	58.6	41.3	61.1	9/3	41	1
DG35D44	Dyna-Gro	—	—	57.9	9/3	27	1
Overall Mean		57.4	36.0	75.4			
LSD (.10)				8.4			
Error degrees of freedom				124			
CV (%)				8.3			
R^2 (%)				57			

[1]Commerce silty clay loam soil. (E) = Experimental. (C) = Cruiser.

Table 66. Roundup Ready Maturity Group IV Late Soybeans Planted April 11, 2007 (Belle Meade Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4924	Hornbeck	69.2	37.8	93.2	9/5	32	1
DG 35Z49	Dyna-Gro	73.0	39.6	89.8	9/7	28	1
DG 36Y48	Dyna-Gro	—	—	89.8	9/10	24	1
USG 7495nRS	USG	—	—	87.7	9/10	29	1
MorSoy RTS 4706N	MorSoy	—	45.7	87.4	9/7	35	1
4955RR	Croplan Genetics	—	23.5	85.5	9/7	38	1
Progeny 4906RR	Progeny	—	47.2	85.3	9/7	33	1
DG 37P49	Dyna-Gro	—	41.8	84.4	9/7	35	1
DG4975LARR	Delta Grow	—	49.2	83.9	9/10	35	1
TV49R17	Terral	65.6	29.8	83.5	9/7	42	1
DK4866	Delta King	66.1	31.9	82.1	9/10	32	1
MorSoy RT 4955N	MorSoy	61.6	36.4	80.7	9/5	38	1
DK 4968	Delta King	—	38.4	80.6	9/5	34	1
AG4903	Asgrow	56.1	44.6	80.5	9/7	26	1
495.RC	Schillinger	—	—	80.5	9/10	35	1
49D6	AgVenture	—	34.2	79.5	9/7	39	1
495.RC(G)	Schillinger	68.4	46.5	79.4	9/7	41	1
MorSoy RT 4914N	MorSoy	58.7	42.6	79.0	9/7	33	1
XP49 (E)	Schillinger	—	—	77.3	9/5	33	1
DK XTJ848 (E)	Delta King	—	—	76.4	9/5	34	1
DP 07-4950RR (E)	DPL	—	—	76.2	9/7	38	1
DG 4840RR	Delta Grow	69.4	30.0	76.1	9/7	32	1
P4807RR (E)	Progeny	—	—	75.9	9/7	32	1
AG4703	Asgrow	54.2	43.2	75.9	9/10	39	1
DP 4888RR/S	DPL	—	57.5	75.5	9/5	37	1
DG4770RR	Delta Grow	—	47.0	75.3	9/7	38	1
AV XP47B (E)	AgVenture	—	—	75.0	9/7	29	1
DP 4919 RR/S	DPL	65.2	40.8	75.0	9/5	36	1
NK S49-W6	NK Brand	—	38.2	74.6	9/5	45	1
TVX48R018 (E)	Terral	—	—	74.5	9/5	37	1
DG 4970RR	Delta Grow	65.4	38.3	74.4	9/7	31	1
AV XP49A (E)	AgVenture	—	—	74.3	9/7	39	1
DG 4780RR	Delta Grow	—	—	74.1	9/7	35	1
DG 4960RR	Delta Grow	—	—	73.6	9/10	38	1
XP47	Schillinger	—	—	73.5	9/10	27	1
Progeny 4949RR	Progeny	60.2	47.7	73.3	9/7	39	1
HBK HX4843 (E)	Hornbeck	—	45.7	73.2	9/5	41	1
94M80	Pioneer	60.3	41.1	73.0	9/7	33	1
USG 7494nRR	USG	58.8	46.5	72.8	9/7	34	1
TVX47R018 (E)	Terral	—	—	72.7	9/7	34	1
AV XP47A	AgVenture	—	—	71.9	9/7	25	1
Asgrow EXP648AX (E)	Asgrow	—	—	71.5	9/10	32	1
HBK R4727	Hornbeck	—	—	71.2	9/5	34	1
MorSoy RT4707N (E)	MorSoy	—	—	71.1	9/5	31	1
TV49R27	Terral	—	36.2	71.0	9/10	20	1
TN03-12RR (E)	Public	—	—	71.0	9/10	30	1
DK 4995	Armor	—	—	70.9	9/7	32	1
DG 4860RR	Delta Grow	52.4	46.5	70.3	9/7	36	2
Progeny 4706RR	Progeny	—	43.7	69.9	9/7	31	1
DG 38X47	Dyna-Gro	—	—	69.8	9/7	38	1
TV47R17	Terral	68.7	35.8	69.4	9/7	32	1
Armor X4996 (E)	Armor	—	—	69.3	9/7	45	1
DPX 4727RR (E)	DPL	—	—	68.9	9/7	35	1
AV49J7NRR	AgVenture	60.4	40.0	68.6	9/7	38	1
TVX47R118 (E)	Terral	—	—	68.1	9/10	48	1
TV48R14	Terral	64.9	40.4	67.6	9/10	37	1
94M71	Pioneer	—	—	67.6	9/7	36	1
94B73	Pioneer	49.7	39.7	67.3	9/7	30	1
USG 74F78	USG	—	—	66.6	9/10	39	1
DK4967RR	Delta King	53.9	41.6	66.5	9/7	27	1
DP4724RR	DPL	58.2	39.7	66.2	9/7	36	1
AV XP49B (E)	AgVenture	—	—	64.9	9/7	40	1
47G3 NRR	AgVenture	—	—	64.8	9/7	33	1
DK XTJ847 (E)	Delta King	—	—	64.6	9/5	25	1
DK 4763RR	Delta King	52.6	33.4	61.6	9/10	24	1
Overall Mean		60.5	39.9	74.4			
LSD (.10)				12.6			
Error degrees of freedom				127			
CV (%)				12.5			
R^2 (%)				58			

[1]Commerce silty clay loam soil. (E) = Experimental. (G) = Gaucho.

Table 67. Roundup Ready Maturity Group V Early Soybeans Planted April 11, 2007 (Belle Meade Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 52K6	Delta King	—	32.1	78.0	9/21	26	1
MorSoy RT 5306N	MorSoy	—	31.7	77.5	9/21	27	1
TV55R15	Terral	56.0	45.2	77.5	9/21	24	1
Armor GP-533	Armor	—	21.6	76.7	9/21	24	1
DK 5366RR	Delta King	46.0	21.0	76.6	9/21	27	1
Armor GP-500	Armor	—	—	76.2	9/21	25	1
AGS 568RR	AgSouth	—	36.8	76.1	9/21	31	1
FFR 5663RR	FFR	59.2	35.1	76.1	9/21	25	1
DK 5068RR	Delta King	—	46.9	75.9	9/21	40	1
AV 53D3NRR	AgVenture	—	—	74.8	9/21	26	1
RC 5555	Croplan Genetics	—	—	74.8	9/21	31	1
DP5634RR	DPL	56.1	33.0	74.7	9/21	27	1
DG5160RR	Delta Grow	56.6	39.4	73.7	9/21	33	1
NK S56-D7 (C)	NK Brand	—	—	73.5	9/21	33	1
TVX53R028 (E)	Terral	—	—	73.5	9/21	25	1
DG 39F51	Dyna-Gro	—	—	72.8	9/21	38	1
MorSoy RT5307N (E)	MorSoy	—	—	72.6	9/21	40	1
MPG 7552nRR	M-Pride	—	—	72.2	9/21	26	1
Progeny 5650RR	Progeny	54.9	24.4	72.1	9/21	30	1
TVX52R218 (E)	Terral	—	—	72.1	9/21	39	1
AV XP56 (E)	AgVenture	—	—	71.9	9/21	28	1
ESXVT-111 (E)	Eagle Seed	—	33.0	71.5	9/21	28	1
HBK R5226	Hornbeck	—	35.0	71.4	9/21	24	1
NK S56-D7	NK Brand	60.5	27.9	71.2	9/21	31	1
Progeny 5115RR	Progeny	53.9	34.3	71.1	9/21	47	1
DP5414RR	DPL	55.6	37.0	71.0	9/21	28	1
DG 5555RR	Delta Grow	—	—	70.6	9/21	30	1
P5407RR (E)	Progeny	—	—	70.1	9/21	39	1
95M50	Pioneer	57.4	30.0	69.5	9/21	29	1
TV52R14	Terral	51.2	41.9	69.5	9/21	24	1
DG 33X55	Dyna-Gro	58.4	40.8	69.4	9/21	32	1
MPG 7554nRR	M-Pride	—	—	69.3	9/21	41	1
MorSoy RT5107N	MorSoy	—	—	69.3	9/21	35	1
TVX52R028 (E)	Terral	—	—	69.1	9/21	30	1
AG5501	Asgrow	50.7	33.8	68.9	9/21	22	1
DG 33B52	Dyna-Gro	46.6	43.6	68.4	9/21	25	1
DG5470RR	Delta Grow	—	33.7	68.3	9/21	42	1
DG5300RR	Delta Grow	—	42.0	68.2	9/21	32	1
TVX53R118 (E)	Terral	—	—	67.9	9/21	26	1
DG 31R54	Dyna-Gro	—	—	67.6	10/1	22	1
TVX56R018 (E)	Terral	—	—	67.5	9/21	26	1
HBK R5525	Hornbeck	55.6	30.9	67.2	10/1	24	1
DG 34J56	Dyna-Gro	—	32.9	66.9	9/21	33	1
DG 5570RR	Delta Grow	—	—	66.8	9/21	25	1
DK 5368	Delta King	—	41.7	66.7	9/21	25	1
USG 75J17	USG	—	—	66.5	9/21	33	1
DG 5450RR	Delta Grow	—	—	65.7	9/21	27	1
FFR 5116RR	FFR	—	40.0	65.6	9/21	31	1
HBK R5425	Hornbeck	36.0	21.0	65.5	10/1	53	1
DG 5270RR	Delta Grow	—	—	65.4	9/21	35	1
Armor GP 513	Armor	53.2	37.9	64.6	9/21	29	1
MPG Exp.55-7nRR (E)	M-Pride	—	—	64.4	9/21	44	1
TVX53R018 (E)	Terral	—	—	64.4	9/21	25	1
DP 5335RR/S	DPL	—	—	64.1	9/21	34	1
P5207RR (E)	Progeny	—	—	64.1	9/21	35	1
RC 5007	Croplan Genetics	—	—	63.9	9/21	28	1
AV 54D4	AgVenture	45.2	28.4	63.9	9/21	53	1
52P2	AgVenture	—	—	63.9	9/21	25	1
TVX52R018 (E)	Terral	—	—	63.6	9/21	39	1
DK 5066RR	Delta King	51.0	41.3	63.6	9/21	37	1
DG 5630RR	Delta Grow	50.3	17.9	63.6	9/21	30	1
ESXVT-16 (E)	Eagle Seed	—	36.1	63.4	9/21	20	1
HBK RS5227	Hornbeck	—	—	63.2	9/21	25	1
ESXVT-425 (E)	Eagle Seed	—	—	62.4	9/21	23	1
AV 50D2NRR	AgVenture	57.9	41.0	61.8	9/21	37	2
DG 32A53	Dyna-Gro	—	44.2	61.8	9/21	28	1
DK55T6RR	Delta King	49.8	26.4	61.6	9/21	24	1
TVX52R128 (E)	Terral	—	—	61.4	9/21	29	1
95M30	Pioneer	—	32.3	61.2	9/21	32	1

[1]Commerce silty clay loam soil. (E) =Experimental. (C) = Cruiser.

Table 67 (cont.). Roundup Ready Maturity Group V Early Soybeans Planted April 11, 2007 (Belle Meade Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 5161RR	Delta King	49.8	38.5	59.3	9/21	25	1
TVX54R018 (E)	Terral	—	—	59.1	9/21	22	1
DK XTJ851 (E)	Delta King	—	—	59.0	9/21	27	1
557.RC	Schillinger	—	—	58.8	9/21	22	1
DP 51-103RR (E)	DPL	—	—	58.8	9/21	43	1
ESXVT-110RR (E)	Eagle Seed	49.9	25.9	58.5	9/21	27	1
DP 5115RR/S	DPL	50.0	26.0	58.3	9/21	47	1
RC 5332	Croplan Genetics	—	—	58.1	9/21	29	1
USG 7553nRS	USG	49.0	36.7	57.9	9/21	25	1
P5307RR (E)	Progeny	—	—	57.0	9/21	36	1
ESXVT-155 (E)	Eagle Seed	—	49.8	56.0	9/21	23	1
USG Allen	USG	—	—	55.6	9/21	24	1
AV XP54A (E)	AgVenture	—	—	55.3	9/21	42	2
NK S52-F2	NK Brand	—	37.6	55.2	10/1	20	1
DG 33P54	Dyna-Gro	—	—	54.7	9/21	21	1
DK 5567RR	Delta King	44.0	29.5	54.5	9/21	22	1
AV 54P1NRR	AgVenture	—	—	53.5	9/21	22	1
MorSoy RT5407N (E)	MorSoy	—	—	52.5	10/1	21	1
ESXVT-518 (E)	Eagle Seed	—	33.4	52.3	9/21	41	3
ESXVT-675 (E)	Eagle Seed	—	24.9	51.4	9/21	52	3
ESXVT-173 (E)	Eagle Seed	—	14.2	46.9	9/21	55	4
ESXVT-78 (E)	Eagle Seed	—	25.1	46.9	9/21	50	3
P5507RR (E)	Progeny	—	—	46.7	9/21	18	1
Overall Mean		50.0	32.9	65.5			
LSD (.10)				10.2			
Error degrees of freedom				182			
CV (%)				11.5			
R^2 (%)				64			

[1]Commerce silty clay loam soil. (E) =Experimental. (C) = Cruiser.

Table 68. Roundup Ready Maturity Group V Late Soybeans Planted April 11, 2007 (Belle Meade Plantation, Warren County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2005	2006	2007			
		bu/A	*bu/A*	*bu/A*		*in*	
DP5915RR	DPL	56.5	19.7	86.6	10/1	34	1
DG 33C59	Dyna-Gro	—	—	79.6	10/1	27	1
DG 5970RR	Delta Grow	—	—	75.0	10/1	33	1
DP J02-11943RR (E)	DPL	—	—	74.9	10/1	23	1
DP J02-11990RR (E)	DPL	—	—	74.3	10/1	33	1
AG5905	Asgrow	59.3	26.0	73.2	10/1	38	1
TV59R16	Terral	—	29.6	72.5	10/1	29	1
AV 57D7RR	AgVenture	55.2	34.6	72.3	10/1	27	1
DP 5914RR	DPL	—	36.7	71.8	10/1	29	1
TV57R16	Terral	—	41.2	70.0	10/1	32	1
Progeny 5706RR	Progeny	—	25.7	69.7	10/1	36	1
USG 7582nRR	USG	—	32.5	69.2	10/1	30	1
DG 36N57	Dyna-Gro	72.6	32.1	68.4	10/1	20	1
95M80	Pioneer	52.0	27.1	67.6	10/1	25	1
DG 5960RR	Delta Grow	63.9	25.1	66.7	10/1	30	1
AG5903	Asgrow	60.5	28.8	62.9	10/1	27	1
DP 5808RR	DPL	62.5	27.1	62.8	10/1	35	1
HBK R5825	Hornbeck	51.3	22.5	62.5	10/1	27	1
DG 3583NRR	Dyna-Gro	54.9	31.8	61.9	10/1	26	1
DG5830RR	Delta Grow	64.2	23.7	61.8	10/1	32	1
DP 5808RR(G)	DPL	—	—	61.5	10/1	29	1
NK S59-B8	NK Brand	—	14.0	59.6	10/1	34	1
DG 32B57	Dyna-Gro	—	—	56.1	10/1	26	1
TV57R14	Terral	62.6	38.1	54.2	10/1	28	1
Overall Mean		56.4	28.8	68.1			
LSD (.10)				14.1			
Error degrees of freedom				46			
CV (%)				15.1			
R^2 (%)				51			

[1]Commerce silty clay loam soil. (E) = Experimental. (G) = Gaucho.

Plant Characteristics

Table 69. Plant Characteristics of Maturity Group IV Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			%	%
DP4748S	DPL	white	tawny	brown	black	3000	I	4.7	36.0	21.4
HBK C4926	Hornbeck	purple	gray	tan	imp black	3000	I	4.9	34.8	21.4
UA4805 (E)	Public	purple	gray	tan	buff	3400	I	4.8	37.0	19.8

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate.
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 70. Plant Characteristics of Maturity Group V Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
DP5110S	DPL	white	tawny	tan	Brown	3000	5.1	36.9	20.7
HBK C5025	Hornbeck	white	gray	tan	buff	2800	5.0	35.0	21.6
USG 5002T	USG	white	tawny	tan	imp black	3000	5.0	36.8	21.5
USG 5601T	USG	white	gray	tan	buff	3600	5.6	37.2	20.0
DB01-5289 (E)	Public	white	tawny	tan	imp. black	3300	5.3	37.9	19.5
DB02-2517 (E)	Public	white	tawny	brown	imp. black	3600	5.3	36.4	20.6
DB03-1381 (E)	Public	purple	tawny	tan	imp. black	3500	5.5	36.7	20.4
DB03-2811 (E)	Public	purple	tawny	tan	imp. black	3400	5.5	37.7	20.3
DB03-8416 (E)	Public	purple	tawny	tan	imp. black	3000	5.3	37.4	19.9
DB03-10440 (E)	Public	purple	gray	tan	imp. black	2800	5.2	36.7	20.6
Jake	Public	purple	tawny	tan	black	3200	5.5	36.8	20.1
Ozark	Public	purple	gray	tan	buff	2700	5.2	36.4	20.4
Stoddard	Public	white	tawny	tan	black	3200	5.1	36.1	20.5

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 71. Plant Characteristics of Maturity Group V Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
HBK C5894	Hornbeck	purple	gray	tan	imp. black	2800	5.8	37.8	20.4
Osage	Public	purple	gray	tan	imp. black	3200	5.6	38.0	19.5

[1]All are released varieties.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 72. Plant Characteristics of Roundup Ready Maturity Group III Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			%	%
AV 38T7NRR	AgVenture	white	tawny	tan	black	2600	I	3.8	35.5	21.2
Armor 39-K4	Armor	purple	brown	tan	black	2900	I	3.9	34.9	21.4
AG3803	Asgrow	—	—	—	—	2900	I	3.8	35.5	21.2
AG3905	Asgrow	purple	tawny	tan	black	2800	I	3.9	35.2	20.9
AG3906	Asgrow	purple	tawny	brown	black	2600	I	3.9	35.2	21.4
DP3993RR	DPL	purple	gray	brown	imp. black	3000	I	3.9	36.0	20.8
DP 07-3980RR (E)	DPL	white	tawny	tan	black	2700	I	3.9	35.7	20.6
DP 07-3972RR (E)	DPL	purple	tawny	tan	black	2500	I	3.9	35.8	20.5
DG 31J39	Dyna-Gro	purple	tawny	tan	black	2700	I	3.9	34.1	21.9
HBK R3824	Hornbeck	purple	lt. tawny	tan	black	2800	I	3.9	34.5	21.7
HBK R3927	Hornbeck	purple	gray	tan	black	2300	I	3.9	35.2	21.2
MorSoy RT 3906N	MorSoy	purple	tawny	tan	black	3200	I	3.9	34.6	21.1
S03-051 (E)	Public	white	tawny	tan	black	3000	I	3.9	35.4	21.0

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate.
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 3.0 is very early in Group III, while 3.9 is very late in Group III.

Table 73. Plant Characteristics of Roundup Ready Maturity Group IV Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			*%*	*%*
AV 44D4NRR	AgVenture	purple	lt. tawny	brown	brown	3600	I	4.4	35.6	21.3
AV XP46 (E)	AgVenture	purple	—	—	—	3200	I	4.6	35.2	21.1
Armor GP-454	Armor	purple	gray	tawny	brown	3200	—	4.5	35.3	21.5
Armor X4228 (E)	Armor	—	tawny	tan	black	3200	—	4.2	35.8	21.1
Armor X4560 (E)	Armor	—	tawny	tan	black	2900	—	4.5	35.2	20.9
AG4403	Asgrow	purple	lt. tawny	tan	black	3500	I	4.4	34.7	22.1
AG4404	Asgrow	white	tawny	tan	black	2700	I	4.4	35.8	20.8
AG4405	Asgrow	white	tawny	tan	black	2800	I	4.4	35.1	21.3
AG4604	Asgrow	purple	tawny	tan	black	2900	I	4.6	34.9	21.5
AG4605	Asgrow	—	—	—	—	2500	I	4.6	35.6	21.1
AG4703	Asgrow	purple	lt. tawny	tan	black	3200	I	4.7	35.7	20.6
Asgrow DKB46-51	Asgrow	white	tawny	tan	black	2500	I	4.6	35.9	20.6
Asgrow DKB46-51 (C)	Asgrow	white	tawny	tan	black	2500	I	4.6	36.2	20.6
RC4444RR	Croplan Genetics	purple	lt. tawny	brown	brown	3000	—	4.4	35.1	22.1
RC4655RR	Croplan Genetics	purple	tawny	tan	black	2600	—	4.6	36.1	20.7
DG4150RR	Delta Grow	white	tawny	tan	brown	3200	I	4.1	36.6	20.8
DG4460RR	Delta Grow	purple	lt. tawny	brown	black	3500	I	4.4	35.5	21.4
DG4470RR	Delta Grow	purple	tawny	—	black	2800	I	4.4	35.4	21.6
DG4660RR	Delta Grow	purple	lt. tawny	brown	black	3300	I	4.6	34.8	21.2
DK 4567	Delta King	white	tawny	tan	black	2500	I	4.5	35.8	21.3
DK 4667	Delta King	purple	lt. tawny	brown	black	2600	I	4.6	35.0	20.9
DP 4546RR	DPL	purple	lt. tawny	brown	brown	2900	I	4.5	36.4	21.0
DP 4450RR	DPL	purple	lt. tawny	brown	brown	3600	I	4.4	35.3	21.5
DP 4112 RR/S	DPL	purple	tawny	tan	black	3000	I	4.1	35.8	21.0
DP 07-4732RR (E)	DPL	white	gray	brown	black	2600	I	4.7	34.7	21.7
DPX 4334RR (E)	DPL	purple	tawny	—	—	2900	I	4.3	35.6	21.8
DPX 07-4470RR (E)	DPL	purple	lt. tawny	tan	black	3100	I	4.4	36.3	21.5
DPX 07-4492RR/S (E)	DPL	purple	tawny	tan	black	2800	I	4.4	35.2	21.5
DG 32R46	Dyna-Gro	purple	tawny	tan	black	3100	I	4.6	34.6	21.8
DG 33Y45	Dyna-Gro	purple	tawny	brown	black	2600	I	4.5	35.7	21.4
DG 35B40	Dyna-Gro	white	tawny	tan	black	3300	I	4.0	36.2	20.9
DG35D44	Dyna-Gro	white	tawny	tan	black	2800	I	4.4	36.3	21.1
DG 37A44	Dyna-Gro	purple	tawny	brown	black	3300	I	4.4	35.6	21.6
DG 37F46	Dyna-Gro	purple	tawny	brown	black	3100	I	4.6	35.0	21.4
HBK R3824	Hornbeck	purple	lt. tawny	tan	black	2800	I	4.0	35.3	21.9
HBK R3927	Hornbeck	purple	gray	tan	black	2300	I	4.0	36.0	20.9
HBK R4527	Hornbeck	white	gray	tan	black	3400	I	4.5	35.5	20.9
MPV4808nRR	M-Pride	white	tawny	tan	black	2800	I	4.6	35.9	21.3
MorSoy RT 4485N	MorSoy	purple	lt. tawny	brown	brown	3200	I	4.4	35.6	21.7
MorSoy RTS 4556N (E)	MorSoy	purple	lt. tawny	brown	black	2600	I	4.5	35.2	21.4
NK S43-B1	NK Brand	purple	tawny	brown	brown	3000	I	4.3	35.4	20.9
NK S46-U6	NK Brand	white	lt. tawny	brown	black	2500	I	4.6	35.1	21.2
94M31	Pioneer	white	lt. tawny	tan	brown	2900	I	4.3	35.7	21.5
94M50	Pioneer	white	tawny	brown	black	2900	I	4.5	36.3	21.1
Progeny 4206RR	Progeny	white	lt. tawny	brown	black	2500	I	4.2	35.9	21.4
Progeny 4405RR	Progeny	purple	lt. tawny	brown	brown	3100	I	4.4	34.8	21.8
Progeny 4507RR (E)	Progeny	purple	lt. tawny	brown	brown	2600	I	4.5	35.3	21.3
Progeny 4606RR	Progeny	purple	gray	tan	black	2600	I	4.6	34.7	21.6
457.RCP	Schillinger	purple	tawny	brown	black	3100	I	4.5	35.0	22.1
467.RCP	Schillinger	purple	lt. tawny	tan	black	3200	I	4.6	35.3	21.1
4782-4	Stine	purple	lt. tawny	tan	black	2500	I	4.7	34.5	21.9
TV44R27	Terral	purple	lt. tawny	brown	brown	3200	I	4.4	35.5	21.3
TV45R14	Terral	purple	tawny	tan	black	3500	I	4.5	36.1	21.4
TV46R15	Terral	white	tawny	tan	black	3500	I	4.6	36.2	21.5
TVX45R018 (E)	Terral	purple	lt. tawny	tan	imp. black	3500	I	4.5	35.6	21.7
TVX45R118 (E)	Terral	purple	lt. tawny	tan	imp. black	3500	I	4.5	35.5	22.0
TVX46R018 (E)	Terral	purple	lt. tawny	tan	imp. black	3500	I	4.6	35.5	21.8
USG 74A27	USG	white	tawny	tan	black	3000	I	4.2	35.9	20.8
USG 7440nRR	USG	purple	lt. tawny	brown	black	3800	I	4.4	34.7	21.8
USG 7466nRR	USG	purple	lt. tawny	brown	black	3100	I	4.6	34.9	21.2
S04-5969 (E)	Public	purple	lt. tawny	tan	black	2800	I	4.4	34.7	22.4
S04-6008 (E)	Public	purple	lt. tawny	tan	black	3000	I	4.6	34.5	22.5
S04-6013(E)	Public	purple	lt. tawny	tan	black	2900	I	4.6	34.7	22.3

[1](E) = Experimental. (C) = Cruiser.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 74. Plant Characteristics of Roundup Ready Maturity Group IV Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			*%*	*%*
AV 49D6NRR	AgVenture	purple	lt. tawny	brown	black	2800	I	4.9	35.0	21.8
AV 49J7NRR	AgVenture	purple	lt. tawny	tan	black	2900	I	4.9	36.0	20.8
AV 47G3NRR	AgVenture	purple	tawny	—	black	2800	I	4.7	36.8	20.8
AV XP47A (E)	AgVenture	—	—	—	—	2800	I	4.7	35.5	21.6
AV XP47B (E)	AgVenture	—	—	—	—	2700	I	4.7	35.9	20.9
AV XP49A (E)	AgVenture	—	—	—	—	2900	I	4.9	35.4	21.7
AV XP49B (E)	AgVenture	—	—	—	—	3300	I	4.9	35.4	20.5
DK 4995	Armor	—	—	—	—	3000	—	4.9	36.7	20.1
Armor X4996 (E)	Armor	—	—	—	—	3100	—	4.9	35.3	21.6
AG4703	Asgrow	purple	lt. tawny	tan	black	3200	I	4.7	35.8	20.7
AG4903	Asgrow	purple	lt. tawny	tan	black	2800	I	4.9	36.2	21.0
RC4955RR	Croplan Genetics	purple	lt. tawny	brown	black	2800	—	4.9	34.8	21.6
DG4770RR	Delta Grow	white	lt. tawny	brown	black	2900	I	4.7	35.7	21.4
DG4780RR	Delta Grow	purple	tawny	brown	black	2600	I	4.7	36.0	20.9
DG4840RR	Delta Grow	purple	lt. tawny	tan	black	3300	I	4.8	35.8	21.2
DG4860RR	Delta Grow	purple	tawny	tan	black	2900	I	4.8	36.3	21.2
DG4960RR	Delta Grow	purple	gray	tan	buff	2700	I	4.9	36.2	20.8
DG4970RR	Delta Grow	purple	lt. tawny	brown	black	2800	I	4.9	36.6	20.5
DG4975LARR	Delta Grow	purple	lt. tawny	tan	black	3200	I	4.9	35.9	21.0
DK4763	Delta King	white	tawny	tan	black	2800	I	4.7	36.2	20.5
DK4866	Delta King	purple	lt. tawny	brown	black	2900	I	4.8	36.0	20.5
DK4967	Delta King	purple	tawny	tan	black	2900	I	4.9	37.2	20.7
DK4968	Delta King	purple	gray	tan	black	2900	I	4.9	35.8	20.6
DK XTJ847 (E)	Delta King	—	—	—	—	2500	I	4.7	36.6	20.3
DK XTJ848 (E)	Delta King	purple	lt. tawny	tan	black	3000	I	4.8	35.1	21.6
DP 4724RR	DPL	purple	tawny	tan	black	3000	I	4.7	36.8	20.8
DP 4888RR/S	DPL	white	tawny	tan	black	3000	I	4.8	35.9	21.1
DP 4919RR/S	DPL	white	tawny	tan	black	2800	I	4.9	36.4	20.9
DPX 4727RR (E)	DPL	purple	lt. tawny	—	—	2500	I	4.7	36.0	21.2
DPX 07-4950RR (E)	DPL	purple	lt. tawny	brown	black	3200	I	4.9	34.9	21.6
DG 35Z49	Dyna-Gro	purple	gray	brown	black	2800	I	4.9	35.1	21.4
DG 36Y48	Dyna-Gro	purple	gray	tan	black	3200	I	4.8	36.0	21.1
DG 37P49	Dyna-Gro	purple	tawny	brown	black	2600	I	4.9	35.6	21.1
DG 38X47	Dyna-Gro	purple	tawny	tan	black	2700	I	4.7	35.7	20.8
HBK R4727	Hornbeck	purple	tawny	brown	black	2600	I	4.7	35.6	20.8
HBK R4924	Hornbeck	purple	lt. tawny	brown	lt. black	2700	I	4.9	34.9	21.2
HBK HX4843 (E)	Hornbeck	purple	tan	tan	lt. black	2500	I	4.8	35.6	21.4
Asgrow EXP 648AX (E)	Asgrow	—	—	—	—	3000	I	4.8	35.2	21.2
MorSoy RTS 4706N	MorSoy	purple	gray	tan	imp. black	2600	I	4.7	34.5	22.2
MorSoy RT 4707N (E)	MorSoy	purple	tawny	brown	black	2700	I	4.7	35.7	21.1
MorSoy RT 4914N	MorSoy	purple	lt. tawny	brown	black	3300	I	4.9	36.4	20.4
MorSoy RTS 4955N	MorSoy	purple	gray	tan	imp. black	3300	I	4.9	37.1	21.0
NK S49-W6	NK Brand	white	lt. tawny	tan	black	3000	I	4.9	35.9	20.5
94B73	Pioneer	purple	lt. tawny	tan	black	2900	I	4.7	36.3	21.3
94M71	Pioneer	white	tawny	brown	black	3000	I	4.7	35.7	21.7
94M80	Pioneer	white	tawny	tan	black	2700	I	4.8	36.7	20.9
Progeny 4706RR (E)	Progeny	purple	tawny	tan	black	3100	I	4.7	35.7	21.3
Progeny 4807RR (E)	Progeny	purple	tawny	brown	black	2700	I	4.8	36.0	21.0
Progeny 4906RR (E)	Progeny	purple	tawny	tan	black	3300	I	4.9	35.4	20.8
Progeny 4949RR	Progeny	white	tawny	brown	black	2400	I	4.9	36.1	20.9
495.RC	Schillinger	purple	lt. tawny	brown	black	2700	I	4.9	36.7	20.5
495.RC (G)	Schillinger	purple	lt. tawny	brown	black	2700	I	4.9	36.6	20.2
XP47 (E)	Schillinger	purple	tawny	tan	black	2700	I	4.7	35.9	20.8
XP49 (E)	Schillinger	purple	lt. tawny	brown	black	2700	I	4.9	36.2	20.6
TV47R17	Terral	purple	gray	brown	black	3100	I	4.7	35.2	21.7
TV48R14	Terral	purple	tawny	tan	imp. black	3100	I	4.8	35.9	21.5
TV49R17	Terral	white	tawny	brown	black	3200	I	4.9	36.0	20.9
TV49R27	Terral	purple	lt. tawny	brown	black	2700	I	4.9	36.3	20.2
TVX47R018 (E)	Terral	white	tawny	tan	imp. black	3400	I	4.8	36.2	20.7
TVX47R118 (E)	Terral	white	tawny	tan	imp. black	3400	I	4.7	36.2	21.0
TVX48R018 (E)	Terral	white	tawny	tan	imp. black	3400	I	4.8	36.0	21.0
USG 74F78	USG	purple	tawny	tan	black	2700	I	4.7	35.9	21.0
USG 7494nRR	USG	purple	lt. tawny	tan	black	3000	I	4.9	35.7	21.1
USG 7495nRS	USG	purple	gray	tan	imp. black	2900	I	4.9	36.2	21.4
TN03-12RR (E)	Public	purple	gray	—	—	3000	I	4.9	35.0	20.9

[1](E) = Experimental. (G) = Gaucho.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 75. Plant Characteristics of Roundup Ready Maturity Group V Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		*%*	*%*
AGS 568RR	AgSouth	purple	tawny	tan	black	2400	5.6	37.0	19.9
AV 50D2NRR	AgVenture	purple	tawny	brown	black	2500	5.0	37.1	20.6
AV 52P2	AgVenture	purple	tawny	tan	black	2400	5.2	37.3	20.1
AV 53D3NRR	AgVenture	purple	tawny	tan	black	2800	5.3	35.7	20.5
AV 54D4	AgVenture	purple	lt. tawny	tan	black	2700	5.4	35.8	20.6
AV XP54A (E)	AgVenture	—	—	—	—	3100	5.4	37.1	20.6
AV 54P1NRR	AgVenture	—	—	—	—	2600	5.4	36.1	20.8
AV XP56 (E)	AgVenture	—	—	—	—	2500	5.6	36.7	20.5
Armor GP-500	Armor	white	brown	tan	black	3300	5.0	36.8	19.8
Armor GP-513	Armor	white	gray	tawny	buff	2800	5.1	36.0	21.0
Armor GP-533	Armor	white	brown	tan	brown	2800	5.3	36.7	19.6
AG5501	Asgrow	purple	gray	tan	imp. black	3000	5.5	36.1	20.2
RC5007	Croplan Genetics	white	gray	tan	buff	2600	5.0	35.8	20.9
RC5332	Croplan Genetics	purple	tawny	tan	black	3100	5.3	37.6	19.5
RC5555	Croplan Genetics	white	tawny	tan	black	3000	5.4	36.2	20.5
DG5160RR/STS	Delta Grow	purple	gray	brown	black	2800	5.1	37.0	21.6
DG5270RR	Delta Grow	purple	tawny	tan	black	2600	5.2	36.3	22.1
DG5300RR	Delta Grow	white	gray	tan	buff	3000	5.3	36.1	20.8
DG5450RR	Delta Grow	white	gray	tan	buff	3100	5.5	36.5	19.8
DG5470RR/STS	Delta Grow	white	tawny	tan	black	3000	5.4	37.6	20.6
DG5555RR	Delta Grow	white	gray	brown	imp. black	2900	5.5	36.9	19.8
DG5570RR	Delta Grow	white	gray	tan	buff	3500	5.5	36.9	19.8
DG5630RR	Delta Grow	white	gray	tan	buff	2900	5.6	36.8	19.6
DK5066	Delta King	purple	gray	tan	imp. black	2800	5.0	36.9	21.4
DK5068	Delta King	white	gray	tan	black	2600	5.0	37.1	20.6
DK5161	Delta King	white	gray	brown	buff	2900	5.1	35.8	20.9
DK52K6	Delta King	purple	tawny	tan	black	2600	5.2	36.9	20.2
DK5366	Delta King	purple	gray	tan	brown	3500	5.3	36.6	19.9
DK5368	Delta King	purple	tawny	brown	black	2500	5.3	37.0	20.2
DK5567	Delta King	white	gray	tan	black	2700	5.5	36.4	19.7
DK55T6	Delta King	white	gray	tan	buff	3100	5.6	35.9	20.0
DK XTJ851 (E)	Delta King	purple	gray	tan	buff	2500	5.1	35.7	20.3
DP5335RR/S	DPL	white	tawny	tan	brown	2600	5.3	37.3	20.9
DP5414RR	DPL	white	tawny	tan	black	3000	5.4	37.3	19.4
DP5634RR	DPL	white	tawny	tan	black	2700	5.6	37.1	20.2
DP5115RR/S	DPL	white	tawny	tan	brown	3300	5.1	37.3	20.5
DPX 51-103RR (E)	DPL	white	tawny	tan	black	2600	5.1	37.2	20.9
DG31R54	Dyna-Gro	white	tawny	tan	black	3500	5.4	37.6	19.5
DG32A53	Dyna-Gro	purple	tawny	tan	black	2700	5.3	37.6	20.2
DG33B52	Dyna-Gro	white	gray	tan	black	2800	5.2	36.2	21.0
DG33P54	Dyna-Gro	purple	gray	tan	Seg.	2500	5.4	36.1	20.8
DG33X55	Dyna-Gro	purple	tawny	tan	black	2800	5.5	37.1	20.0
DG34J56	Dyna-Gro	purple	tawny	tan	black	2500	5.6	36.6	19.9
DG39F51	Dyna-Gro	purple	tawny	tan	black	2700	5.1	35.9	21.7
ESXVT-16RR (E)	Eagle Seed	white	gray	tan	brown	3700	5.3	36.8	20.0
ESXVT-78RR (E)	Eagle Seed	purple	gray	tan	brown	3200	5.0	36.7	20.3
ESXVT-110RR (E)	Eagle Seed	purple	gray	tan	imp. black	3100	5.4	37.3	19.7
ESXVT-111RR (E)	Eagle Seed	white	gray	tan	brown	3300	5.5	37.2	20.2
ESXVT-155RR (E)	Eagle Seed	purple	tan	brown	black	3000	5.4	36.3	21.1
ESXVT-173RR (E)	Eagle Seed	purple	gray	tan	imp black	2800	5.5	36.2	20.7
ESXVT-425RR (E)	Eagle Seed	purple	gray	tan	buff	3900	5.5	36.3	20.1
ESXVT-518RR (E)	Eagle Seed	white	tan	brown	black	2800	5.3	36.4	20.8
ESXVT-675RR (E)	Eagle Seed	purple	gray	gray	yellow	2700	5.0	37.0	20.4
FFR 5116RR	FFR	white	gray	tan	buff	2700	5.1	36.5	20.8
FFR 5663RR	FFR	purple	tawny	tan	black	2500	5.5	36.3	19.8
HBK R5226	Hornbeck	purple	tawny	tan	black	2500	5.2	37.3	20.0
HBK RS5227	Hornbeck	white	gray	tan	buff	2700	5.2	35.9	20.8
HBK R5425	Hornbeck	white	gray	tan	buff	2700	5.4	36.6	20.2
HBK R5525	Hornbeck	purple	tawny	tan	black	2500	5.5	37.1	19.8
MPV5308nRR	M-Pride	purple	tawny	tan	black	3200	5.3	36.0	20.6
MPV5407nRR	M-Pride	white	tawny	tan	black	2500	5.4	37.1	20.7
MPG Exp.55-7nRR (E)	M-Pride	white	tawny	tan	black	2500	5.0	37.7	21.0
MorSoy RT 5107N	MorSoy	purple	tawny	tan	black	2700	5.1	36.4	21.7
MorSoy RT 5306N	MorSoy	purple	tawny	brown	black	3100	5.3	36.1	20.5
MorSoy RT 5307N (E)	MorSoy	purple	tawny	tan	black	3000	5.3	37.3	20.6

[1](E) = Experimental. (C) = Cruiser.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 75 (cont.). Plant Characteristics of Roundup Ready Maturity Group V Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
MorSoy RT 5407N (E)	MorSoy	purple	gray	brown	imp. black	2500	5.4	36.0	20.8
NK S52-F2	NK Brand	purple	tawny	tan	black	3200	5.2	37.7	20.2
NK S56-D7	NK Brand	purple	tawny	tan	black	2900	5.6	36.3	20.1
NK S56-D7 (C)	NK Brand	purple	tawny	tan	black	2900	5.6	36.2	20.0
95M30	Pioneer	white	tawny	tam	black	2800	5.3	37.1	19.9
95M50	Pioneer	purple	gray	tan	imp. black	2500	5.5	36.4	20.2
Progeny 5115RR	Progeny	purple	lt. tawny	brown	black	2900	5.1	35.7	21.3
Progeny 5207RR (E)	Progeny	purple	tawny	tan	black	2700	5.2	36.0	22.3
Progeny 5307RR (E)	Progeny	purple	tawny	tan	black	3000	5.3	36.9	20.8
Progeny 5407RR (E)	Progeny	white	tawny	tan	black	2800	5.4	37.2	20.7
Progeny 5507RR (E)	Progeny	purple	tawny	tan	imp. black	2600	5.5	36.1	20.5
Progeny 5650RR	Progeny	white	gray	tan	buff	2900	5.6	36.0	20.3
557.RC	Schillinger	purple	gray	tan	imp. black	3600	5.5	36.9	20.1
TV52R14	Terral	white	gray	tan	buff	3400	5.2	36.5	20.4
TV55R15	Terral	purple	gray	tan	imp. black	2800	5.3	36.7	19.8
TVX52R018 (E)	Terral	purple	tawny	tan	black	3100	5.2	37.2	20.6
TVX52R028 (E)	Terral	purple	gray	tan	black	2900	5.2	37.4	19.8
TVX52R128 (E)	Terral	purple	gray	tan	black	2900	5.2	37.1	19.8
TVX52R218 (E)	Terral	purple	gray	tan	black	2900	5.2	37.2	19.9
TVX53R018 (E)	Terral	purple	gray	tan	imp. black	2800	5.3	38.5	18.6
TVX53R028 (E)	Terral	purple	gray	tan	imp. black	2700	5.3	38.5	18.9
TVX53R118 (E)	Terral	purple	gray	tan	imp. black	2700	5.3	38.5	18.7
TVX54R018 (E)	Terral	purple	gray	tan	imp. black	2500	5.4	36.2	20.8
TVX56R018 (E)	Terral	purple	tawny	tan	—	2500	5.6	36.6	20.2
USG Allen	USG	white	gray	tan	buff	3800	5.6	36.8	19.6
USG 75J17	USG	white	tawny	tan	black	2700	5.1	35.9	21.5
USG 7553nRS	USG	white	gray	brown	brown	3500	5.5	37.2	19.7

[1](E) = Experimental. (C) = Cruiser.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 76. Plant Characteristics of Roundup Ready Maturity Group V Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
AV 57D7NRR	AgVenture	purple	tawny	tan	black	2600	5.7	36.7	20.1
AG5903	Asgrow	white	gray	tan	buff	3400	5.9	36.2	20.6
AG5905	Asgrow	white	gray	tan	buff	3500	5.9	37.0	20.2
DG5830RR	Delta Grow	white	gray	tan	buff	2800	5.8	36.2	20.2
DG5960RR	Delta Grow	white	gray	tan	buff	2900	5.9	36.3	20.1
DG5970RR	Delta Grow	white	gray	tan	buff	3000	5.8	37.2	19.4
DP5808RR	DPL	white	tawny	brown	black	3300	5.8	37.3	19.3
DP5808RR (G)	DPL	white	tawny	brown	black	3300	5.8	36.8	19.5
DP5914RR	DPL	purple	tawny	tan	black	3000	5.9	38.0	19.6
DP5915RR	DPL	white	tawny	tan	black	2900	5.9	36.4	19.8
DP J02-11943RR (E)	DPL	white	tawny	tan	brown	2700	5.7	36.3	20.3
DP J02-11990RR (E)	DPL	purple	gray	tan	imp. black	2700	5.8	36.5	19.9
DG32B57	Dyna-Gro	purple	tawny	tan	black	2900	5.7	36.3	21.1
DG33C59	Dyna-Gro	white	gray	tan	black	2300	5.9	36.4	20.0
DG3583NRR	Dyna-Gro	white	gray	tan	black	2700	5.8	36.3	20.0
DG36N57	Dyna-Gro	purple	tawny	tan	black	2700	5.7	36.8	20.1
HBK R5825	Hornbeck	purple	tawny	tan	lt. black	2400	5.8	37.5	19.3
NK S59-B8	NK Brand	purple	tawny	tan	black	3200	5.9	38.2	19.5
95M80	Pioneer	purple	gray	tan	imp. black	2500	5.8	37.0	19.4
Progeny 5706RR	Progeny	white	gray	tan	buff	2700	5.7	36.9	19.8
TV57R14	Terral	white	gray	tan	buff	3200	5.7	36.5	20.0
TV57R16	Terral	purple	tawny	tan	—	2500	5.7	36.8	20.2
TV59R16	Terral	white	gray	tan	—	2500	5.9	36.3	19.8
USG 7582nRR	USG	white	gray	tan	buff	2800	5.8	36.6	20.1

[1](E) = Experimental. (G) = Gaucho.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Reaction to Diseases

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

Disease Ratings. Plant pathologists at Mississippi State University made disease ratings for stem canker.

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 77. 2007 Soybean Stem Canker Rating for Maturity Group III Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Average Rating		Highest Rating	
	Numeric	Letter	Numeric	Letter
DPX 3980RR	1.00	R	1.00	R
HBKR 3927	1.00	R	1.00	R
AG 3803	1.00	R	1.00	R
DG 31J39	1.00	R	1.00	R
HBKR 3824	1.00	R	1.00	R
RT 3906N	1.00	R	1.00	R
AV38T7N	1.10	R	1.10	R
AG 3906	1.10	R	2.10	MR
S83-051	1.20	R-MS (R)	1.20	R-MS (R)
ARMOR 39-K4	1.30	R-MS (R)	1.30	R-MS (R)
DP 3993R	2.50	R-VS (MS)	2.50	R-VS (MS)
DPX 3972RR	2.70	R-VS (MS)	2.70	R-VS (MS)
SUSCEPTIBLE CHECK	4.50	MS-VS (VS)	4.50	MS-VS (VS)
AG 3905	4.60	MS-VS (VS)	4.60	MS-VS (VS)

Table 78. 2007 Soybean Stem Canker Rating for Maturity Group IV Early Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Average Rating		Highest Rating	
	Numeric	Letter	Numeric	Letter
DG 35B40	1.00	R	1.00	R
DG4470	1.00	R	1.00	R
DG4470RR	1.00	R	1.00	R
S43-B1RR	1.00	R	1.00	R
S46-46RR	1.00	R	1.00	R
DP4450RR	1.00	R	1.00	R
DPX4334RR	1.00	R	1.00	R
RT4485N	1.00	R	1.00	R
S04-5969	1.00	R	1.00	R
DPX4470RR	1.00	R	1.00	R
DG37A44	1.00	R	1.20	R-MR
USG7466N	1.00	R	1.00	R
HBKR4527	1.00	R	1.00	R
TVX45R118	1.00	R	1.00	R
DG4150RR	1.00	R	1.00	R
TVX45R018	1.10	R	1.30	R-MR
DG4660RR	1.10	R	1.10	R
ARMOR X4228	1.10	R	1.10	R
RT4556N	1.10	R	1.10	R
PGY4405	1.10	R	1.10	R
DP4112RR	1.10	R	1.10	R
DG4460RR	1.10	R	1.10	R
PGY4606	1.10	R	1.10	R
DP4546RR	1.20	R-S (R)	2.30	R-MS
DG33Y45	1.20	R-VS (R)	1.20	R-VS (R)
DPX4492RR	1.40	R-MS (R)	1.40	R-MS (R)
S04-6008	2.90	R-VS (S)	2.90	R-VS (S)
S04-6013	3.10	R-VS (VS)	3.10	R-VS (VS)
SUSCEPTIBLE CHECK	4.50	MS-VS (VS)	4.50	MS-VS (VS)
GP-454	1.00	R	1.00	R
PGY4507	1.00	R	1.00	R
TV44R27	1.00	R	1.00	R
DK4567	1.00	R	1.00	R
44D4N	1.00	R	1.00	R
USG74A27	1.00	R	1.00	R
AG4604	1.00	R	1.00	R
ARMOR X4560	1.00	R	1.00	R
MPV4808N	1.00	R	1.00	R
XP46	1.00	R	1.00	R
AG4405	1.00	R	1.00	R
467RCP	1.00	R	1.00	R
DK4667	1.00	R	1.00	R
DG35D44	1.00	R	1.00	R
PGY4206	1.00	R	1.00	R
DKB46-57	1.00	R	3.00	R-VS (MS)
TV46R15	1.00	R	1.00	R
DG32R46	1.00	R	1.10	R
TV45R14	1.10	R	1.10	R
DG37F46	1.10	R	1.10	R
RC4655	1.10	R	1.10	R
457RCP	1.10	R-VS (R)	1.10	R-VS (R)
TVX46R018	1.20	R-VS (R)	1.20	R-VS (R)
AG4605	1.20	R-VS (R)	1.20	R-VS (R)
AG4403	2.90	MS-VS (S)	2.90	MS-VS (S)
USG7440N	2.90	MR-VS (S)	2.90	MR-VS (S)
RC4444	3.40	MS-VS (S)	3.40	MS-VS (S)
AG4404	4.10	MS-VS (VS)	4.10	MS-VS (VS)
SUSCEPTIBLE CHECK	4.50	MS-VS (VS)	4.50	MS-VS (VS)

Table 79. 2007 Soybean Stem Canker Rating for Maturity Group IV Late Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Average Rating		Highest Rating	
	Numeric	Letter	Numeric	Letter
TV 48R14	1.00	R	1.20	R-MR
USG 74F78	1.00	R	1.00	R
XRT 4707N	1.00	R	1.00	R
TVX 47R118	1.00	R	1.20	R-MR
TV 49R17	1.00	R	1.30	R-MS
TVX 47R018	1.00	R	1.00	R
DG 4860	1.00	R	1.30	R-MR (R)
TVX 48R018	1.00	R	1.00	R
DPX 4950RR	1.00	R	1.00	R
HBKR-HX4843	1.00	R	1.30	R-VS (R)
USG 7494N	1.00	R	1.10	R
DG 4770	1.00	R	1.10	R
DPX 4732	1.00	R	1.00	R
DG 35Z49	1.00	R	1.00	R
DG 4970	1.00	R	1.00	R
DG 4840RR	1.00	R	1.20	R-MR
DP 4888RR	1.00	R	1.00	R
XRT S4955N	1.00	R	1.00	R
USG 74F78	1.00	R	1.00	R
HBKR 4727	1.01	R	1.01	R
DG 3860	1.03	R	1.03	R
RT 4706N	1.03	R	1.10	R
DP 4724RR	1.03	R	1.03	R
HBKR-4924	1.03	R	1.03	R
S49-W6RR	1.03	R	1.03	R
RT 5107N	1.03	R	1.03	R
RT 4914N	1.05	R	1.05	R
DG 4780	1.06	R	1.06	R
DK 4995	1.08	R	1.08	R
DP 4919RR	1.08	R	1.08	R
DPX 4727RR	1.30	R-MS (R)	1.30	R-MS (R)
TV 47R17	2.03	R-VS (MS)	2.03	R-VS (MS)
SUSCEPTIBLE CHECK	4.50	S-VS (VS)	4.50	S-VS (VS)
PGY 4807	1.00	R	1.00	R
EXP648AX	1.00	R	1.00	R
XP 47A	1.00	R	1.00	R
TN 03-12	1.00	R	1.00	R
DG 4960	1.00	R	1.10	R-MR
DG 36Y48	1.00	R	1.00	R
DK 4968	1.00	R	1.00	R
DKXT J847	1.00	R	1.00	R
459.RC	1.00	R	1.00	R
50D2N	1.00	R	1.00	R
XP 47	1.00	R	1.00	R
RC 4955	1.00	R	1.00	R
DK 4967	1.00	R	1.30	R-MR (R)
PGY 4949	1.00	R	1.00	R
49D6N	1.00	R	1.00	R
XP 49	1.00	R	1.00	R
XP 47B70	1.00	R	1.00	R
AV 49J7N	1.00	R	1.00	R
PGY 4706	1.00	R	1.00	R
XP 49B	1.00	R	1.00	R
TV 49R27	1.10	R	1.10	R
4782-4	1.10	R	1.10	R
XP 49A	1.40	R-VS (R)	1.40	R-VS (R)
47G3N	1.30	R-VS (R)	1.30	R-VS (R)
AG 4703	1.80	R-VS (MS)	1.80	R-VS (MS)
PGY 4906	2.70	R-VS (S)	2.70	R-VS
DK 4763	3.00	R-VS (S)	3.00	R-VS (S)
DG 4975LA	3.00	R-VS (S)	3.00	R-VS (S)
AG 4903	3.10	R-VS (VS)	3.10	R-VS (VS)
DG 37P49	3.10	R-VS (VS)	3.10	R-VS (VS)
DK 4866	3.70	R-VS (VS)	3.70	R-VS (VS)
SUSCEPTIBLE CHECK	4.50	R-VS (VS)	4.50	R-VS (VS)

Table 80. 2007 Soybean Stem Canker Rating for Maturity Group V Early Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Average Rating		Highest Rating	
	Numeric	Letter	Numeric	Letter
DG 5335RR	1.00	R	1.00	R
TVX 53028	1.00	R	1.00	R
TVX 52028	1.00	R	1.00	R
HBKR 5525	1.00	R	1.00	R
52P2	1.00	R	1.00	R
TV 54R018	1.00	R	1.00	R
54D4N	1.00	R	1.00	R
DG 5270RR	1.00	R	1.40	R-MS
DK 5161	1.00	R	1.00	R
DG 5470	1.00	R	3.04	S
DK 5567	1.00	R	1.00	R
DG 31R54	1.00	R	1.00	R
DP 5115RR	1.00	R	1.00	R
TV 52R14	1.00	R	1.20	R-MR (R)
USG 75J17	1.00	R	1.40	R-MS
TVX 53R118	1.00	R	1.00	R
DG 33B52	1.00	R	1.00	R
TVX 52R018	1.00	R	1.40	R-MS
DG 5160RR	1.00	R	1.00	R
GP-500	1.00	R	1.00	R
GP-513	1.00	R	1.00	R
GP-533	1.00	R	1.00	R
DP 5634RR	1.00	R	1.00	R
DG 33P54	1.00	R	1.00	R
DP 5414RR	1.00	R	1.00	R
HBK R5425	1.00	R	1.00	R
XRT 5307N	1.00	R	1.00	R
XRT 5407N	1.00	R	1.00	R
DG 5270RR	1.00	R	1.40	R-MS
DPX 51-103RR	1.00	R	1.00	R
HBK RS5227	1.00	R	1.10	MR
S 52-F2RR	1.00	R	1.00	R
DG 5300	1.00	R	1.00	R
USG 5601T	1.10	R-MR (R)	1.10	R-MR (R)
DG 5630	1.10	R	1.30	R-VS (R)
S 56-D7	1.10	R	1.10	R
USG 7553N	1.10	R	2.10	R-MS (MS)
TVX 52R128	1.30	R	1.40	R-MS
RT 5306N	1.50	R	1.20	R-MR
DK 55T6	1.80	R	1.80	R
DG 5555	2.00	R-S (MS)	3.00	S
USG 5002T	2.50	R-VS (S)	2.50	MR
TVX 52R128	3.00	R-VS (VS)	4.50	R-VS (VS)
SUSCEPTIBLE CHECK	4.50	R-VS (VS)	4.50	R-VS (VS)
AV 54P1N	1.00	R	1.00	R
557.RC	1.00	R	1.00	R
XP 54A	1.00	R	1.00	R
DG 32A53	1.00	R	1.00	R
XP 56	1.00	R	1.00	R
FFR 5630	1.00	R	1.00	R
DG 34J56	1.00	R	1.00	R
PGY 5207	1.00	R	1.00	R
RC 5007	1.00	R	1.00	R
FFR 5116	1.00	R	1.00	R
PGY 5307	1.00	R	1.00	R
RC 5555	1.00	R	1.00	R
DG 5570	1.00	R	1.00	R
DK 5068	1.00	R	1.00	R
DG 33X55	1.00	R	1.00	R
TVX 56R018	1.00	R	1.00	R
DG 39F51	1.00	R	1.00	R
ESXVT-78	1.00	R	1.00	R
ESXVY-155	1.00	R	1.00	R
ESXVT-16	1.00	R	1.00	R
DG 5450	1.00	R	1.00	R
PGY 5115	1.00	R	1.00	R
TVX 53R018	1.00	R	1.40	R-MS

Table 80 (continued). 2007 Soybean Stem Canker Rating for Maturity Group V Early Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Average Rating		Highest Rating	
	Numeric	Letter	Numeric	Letter
ESXVT-110	1.00	R	1.10	R-MR
AGS 568	1.30	R	1.30	R
DK 5368	1.30	R	1.30	R
PGY 5605	1.30	R	1.30	R
53D3N	1.10	R	1.10	R
ESXVT-111	1.10	R	1.10	R
RC 5332	1.10	R	1.10	R
ESXVT-173	1.10	R	1.20	R-VS (R)
ESXVT-425	1.10	R	1.10	R
PGY 5106	1.10	R	1.10	R
DK 5066	1.10	R	1.10	R
XTJDK851	1.10	R	1.10	R
ESXVT-675	1.20	R	1.20	R
PGY 5407	1.20	R-VS	2.40	R-S (S)
AG 5501	1.20	R	1.20	R
DK 52K6	1.20	R-VS (R)	1.20	R-VS
ESXVT-518	1.20	R-VS (R)	1.20	R-VS
TV 55R15	1.30	R-VS	3.00	S
PGY 5507	1.90	R-VS (MS)	1.90	R-VS (MS)
MPV 5308N	2.00	R-VS (MS)	2.00	R-VS (MS)

Table 81. 2007 Soybean Stem Canker Rating for Maturity Group V Late Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Average Rating		Highest Rating	
	Numeric	Letter	Numeric	Letter
57P7N	1.00	R	1.00	R
DG 5830	1.00	R	2.40	MS
USG ALLEN	1.00	R	1.00	R
DPXJ02-11990RR	1.00	R	1.00	R
DP 5914RR	1.00	R	1.10	R-MR (R)
S59-B8RR	1.00	R	1.00	R
DG 5907	1.00	R	1.00	R
DG 32B57	1.00	R	1.20	R-MR (R)
TV 57R16	1.00	R	1.00	R
TV 57R14	1.02	R	2.50	MS
DPXJ02-11943RR	1.05	R	1.05	R
TV 59R16	1.05	R	1.05	R
HBK R5825	1.05	R	1.10	R-MR (R)
DG 33C59	1.05	R	1.05	R
DP 5915RR	1.10	R-S (R)	2.50	S
DP 5808RR	1.28	R	1.28	R
AG 5903	1.30	R-MS (R)	4.20	MS
DG 36N57	1.43	R	1.43	R
ARMOR X4996	1.63	R	1.63	R
AG 5905	1.68	R-VS	3.80	S
VSG 758N	1.88	R	1.88	R
DG 5960	2.55	R-VS (S)	2.55	R-VS
DG 3583	2.55	R-VS (S)	2.15	R-VS
SUSCEPTIBLE CHECK	4.50	S-VS (VS)	4.50	S-VS (VS)

In-Field Disease Ratings and Observations

Tables in this section contain data on soybean varieties' reactions to Sudden Death Syndrome and Green Stems.

John Hicks, retired soybean breeder, collected this data from Mississippi soybean variety trials at Belle Meade (Vicksburg) and Stoneville.

Green Stems. Rated on a 1-9 scale when pods are dry and ready to harvest: 1 = no green stem; 3 = 33% of plants with green stem; 5 = all plants have green stems with some green petioles; 7 = all plants with green stems retaining 33% of green leaves; 9 = all plants have green stems retaining100% of green leaves.

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

Table 82. Maturity Group IV Early Roundup Ready Soybeans (Vicksburg - Sudden Death Syndrome).

Variety	Brand	Mean	Highest score
AV 44D4	AgVenture	3.7	5
AV XP46 (E)	AgVenture	3.7	5
Armor GP-454	Armor	3.0	4
Armor X4228 (E)	Armor	1.7	3
Armor X4560 (E)	Armor	2.0	3
AG4403	Asgrow	1.3	2
AG4404	Asgrow	2.0	2
AG4405	Asgrow	1.7	2
AG4604	Asgrow	1.7	3
AG4605	Asgrow	3.0	5
AG4703	Asgrow	2.3	3
Asgrow DKB46-51	Asgrow	3.7	6
Asgrow DKB46-51 (C)	Asgrow	3.3	5
RC 4444	Croplan Genetics	1.3	2
RC 4655	Croplan Genetics	1.7	2
DG4150RR	Delta Grow	1.3	2
DG4460RR	Delta Grow	2.0	3
DG4470RR/STS	Delta Grow	1.0	1
DG4660RR	Delta Grow	1.3	2
DK 4567	Delta King	4.0	5
DK 4667	Delta King	2.7	3
DP 07-4470RR (E)	DPL	2.0	2
DP 07-4492RR/S (E)	DPL	1.3	2
DP 07-4732RR (E)	DPL	1.3	2
DP 4112 RR/S	DPL	2.0	3
DP 4450RR	DPL	2.7	3
DP4546RR	DPL	2.3	3
DPX 4334RR (E)	DPL	1.7	3
DG 32R46	Dyna-Gro	2.3	4
DG 33Y45	Dyna-Gro	2.0	3
DG 35B40	Dyna-Gro	1.7	2
DG 35D44	Dyna-Gro	2.0	2
DG 37A44	Dyna-Gro	1.7	2
DG 37F46	Dyna-Gro	1.7	3
HBK R3824	Hornbeck	1.0	1
HBK R3927	Hornbeck	2.3	4
HBK R4527	Hornbeck	1.7	2
MorSoy RT 4485N	MorSoy	2.3	3
MorSoy RTS4556N (E)	MorSoy	2.0	3
MPV4808nRR	M-Pride	3.0	4
NK S43-B1	NK Brand	1.7	2
NK S46-U6	NK Brand	3.0	5
94M31	Pioneer	1.7	2
94M50	Pioneer	2.3	3
P4507RR (E)	Progeny	1.7	3
Progeny 4206RR	Progeny	1.3	2
Progeny 4405RR	Progeny	3.7	5
Progeny 4606RR	Progeny	1.7	2
S04-5969 (E)	Public	2.0	3
S04-6008 (E)	Public	1.3	2
S04-6013 (E)	Public	1.7	3
457.RCP	Schillinger	1.3	2
467.RCP	Schillinger	3.0	3
4782-4	Stine	1.3	2
TV44R27	Terral	2.0	4
TV45R14	Terral	2.7	3
TV46R15	Terral	3.7	5
TVX45R018 (E)	Terral	1.7	2
TVX45R118 (E)	Terral	2.0	3
TVX46R018 (E)	Terral	3.0	5
USG 7440nRR	USG	1.7	2
USG 7466nRR	USG	1.7	2
USG 74A27	USG	1.7	2

(C) = Cruiser.

Table 83. Maturity Group IV Late Roundup Ready Soybeans (Vicksburg - Sudden Death Syndrome).

Variety	Brand	Mean	Highest score
AV 47G3 NRR	AgVenture	2.3	3
AV 49D6	AgVenture	2.0	3
AV XP47A (E)	AgVenture	1.7	2
AV XP47B (E)	AgVenture	3.0	3
AV XP49A (E)	AgVenture	1.3	2
AV XP49B (E)	AgVenture	2.7	3
AV49J7NRR	AgVenture	1.7	2
DK 4995	Armor	2.7	3
Armor X4996 (E)	Armor	2.7	4
AG4703	Asgrow	2.3	4
AG4903	Asgrow	2.0	3
Asgrow EXP648AX (E)	Asgrow	1.7	2
4955RR	Croplan Genetics	1.7	3
DG 4770RR	Delta Grow	2.7	3
DG 4780RR	Delta Grow	3.0	5
DG 4840RR	Delta Grow	2.3	3
DG 4860RR	Delta Grow	3.3	4
DG 4960RR	Delta Grow	1.7	2
DG 4970RR	Delta Grow	2.7	4
DG 4975LARR	Delta Grow	1.3	2
DK 4763RR	Delta King	1.3	2
DK 4968	Delta King	3.7	5
DK XTJ847 (E)	Delta King	3.0	4
DK XTJ848 (E)	Delta King	2.7	4
DK4866	Delta King	2.0	2
DK4967RR	Delta King	2.0	3
DP 07-4950RR (E)	DPL	2.3	3
DP 4888RR/S	DPL	1.3	2
DP 4919 RR/S	DPL	1.7	2
DP4724RR	DPL	2.7	4
DPX 4727RR (E)	DPL	1.7	2
DG 35Z49	Dyna-Gro	2.0	3
DG 36Y48	Dyna-Gro	3.3	5
DG 37P49	Dyna-Gro	1.7	2
HBK HX4843 (E)	Hornbeck	1.3	2
HBK R4727	Hornbeck	2.7	4
HBK R4924	Hornbeck	1.3	2
MorSoy RT 4914N	MorSoy	3.0	5
MorSoy RT 4955N	MorSoy	1.3	2
MorSoy RT4707N (E)	MorSoy	3.7	5
MorSoy RTS 4706N	MorSoy	1.7	2
NK S49-W6	NK Brand	2.7	4
94B73	Pioneer	1.3	2
94M71	Pioneer	1.0	1
94M80	Pioneer	1.0	1
P4807RR (E)	Progeny	2.3	3
Progeny 4706RR	Progeny	2.3	3
Progeny 4906RR	Progeny	2.0	3
Progeny 4949RR	Progeny	1.3	2
TN03-12RR (E)	Public	2.0	2
495.RC	Schillinger	2.7	3
495.RC (G)	Schillinger	3.7	4
XP47 (E)	Schillinger	2.7	3
XP49 (E)	Schillinger	3.3	5
TV47R17	Terral	4.0	5
TV48R14	Terral	4.3	5
TV49R17	Terral	3.3	4
TV49R27	Terral	4.0	4
TVX47R018 (E)	Terral	1.7	2
TVX47R118 (E)	Terral	1.3	2
TVX48R018 (E)	Terral	2.0	2
USG 7494nRR	USG	2.0	3
USG 7495nRS	USG	1.7	2
USG 74F78	USG	4.0	5

(G)= Gaucho.

Table 84. Maturity Group V Early Roundup Ready Soybeans.

Variety	Brand	Vicksburg - Sudden Death Syndrome		Stoneville - Green Stems
		Mean	Highest score	Mean
AGS 568RR	AgSouth	2.0	2	2.3
52P2	AgVenture	3.7	5	4.7
AV 50D2NRR	AgVenture	2.7	3	1.0
AV 53D3NRR	AgVenture	1.3	2	4.3
AV 54D4	AgVenture	4.7	6	2.0
AV 54P1NRR	AgVenture	3.3	5	7.0
AV XP54A	AgVenture	3.7	4	1.0
AV XP56	AgVenture	2.0	3	1.7
Armor GP 513	Armor	2.3	3	1.0
Armor GP-500	Armor	2.3	3	1.7
Armor GP-533	Armor	2.0	2	1.7
AG5501	Asgrow	1.7	2	5.7
RC 5007	Croplan Genetics	3.7	5	1.3
RC 5332	Croplan Genetics	3.0	4	4.0
RC 5555	Croplan Genetics	2.0	2	3.7
DG 5270RR	Delta Grow	1.7	2	1.0
DG 5450RR	Delta Grow	3.0	4	4.7
DG 5555RR	Delta Grow	3.3	5	2.3
DG 5570RR	Delta Grow	3.0	4	5.0
DG 5630RR	Delta Grow	3.3	4	7.0
DG5160RR	Delta Grow	1.3	2	1.3
DG5300RR	Delta Grow	2.7	4	1.0
DG5470RR	Delta Grow	2.3	5	7.3
DK 5066RR	Delta King	1.0	1	1.3
DK 5068RR	Delta King	1.7	2	1.0
DK 5161RR	Delta King	4.3	5	1.0
DK 52K6	Delta King	1.7	2	1.7
DK 5366RR	Delta King	1.7	2	6.3
DK 5368	Delta King	2.7	3	3.3
DK 5567RR	Delta King	3.3	4	5.0
DK XTJ851	Delta King	4.3	5	1.0
DK55T6RR	Delta King	2.3	3	7.7
DP 51-103RR	DPL	1.3	2	3.0
DP 5115RR/S	DPL	1.0	1	2.0
DP 5335RR/S	DPL	3.3	5	4.3
DP5414RR	DPL	3.0	4	1.3
DP5634RR	DPL	1.7	2	2.0
DG 31R54	Dyna-Gro	1.3	2	5.0
DG 32A53	Dyna-Gro	3.7	6	5.0
DG 33B52	Dyna-Gro	2.0	4	1.0
DG 33P54	Dyna-Gro	4.3	5	7.3
DG 33X55	Dyna-Gro	1.7	2	1.3
DG 34J56	Dyna-Gro	5.7	6	4.0
DG 39F51	Dyna-Gro	1.3	2	1.3
ESXVT-110RR	Eagle Seed	4.3	5	3.0
ESXVT-111	Eagle Seed	3.3	5	3.3
ESXVT-155	Eagle Seed	4.0	6	1.0
ESXVT-16	Eagle Seed	4.0	6	5.0
ESXVT-173	Eagle Seed	4.0	6	4.3
ESXVT-425	Eagle Seed	1.7	3	3.0
ESXVT-518	Eagle Seed	2.7	4	3.7
ESXVT-675	Eagle Seed	2.3	3	2.7
ESXVT-78	Eagle Seed	4.7	5	3.7
FFR 5116RR	FFR	2.7	4	1.0
FFR 5663RR	FFR	2.0	3	5.7
HBK R5226	Hornbeck	2.7	6	4.7
HBK R5425	Hornbeck	4.0	6	4.7
HBK R5525	Hornbeck	2.7	5	6.7
HBK RS5227	Hornbeck	3.0	5	1.0
MorSoy RT 5306N	MorSoy	1.0	1	4.0
MorSoy RT5107N	MorSoy	1.3	2	1.0
MorSoy RT5307N	MorSoy	3.0	5	1.0
MorSoy RT5407N	MorSoy	1.7	3	7.7
MPG 7552nRR	M-Pride	1.3	2	4.3
MPG 7554nRR	M-Pride	2.3	3	7.0
MPG Exp.55-7nRR	M-Pride	2.7	4	2.3

(C) = Cruiser.

Table 84 (continued). Maturity Group V Early Roundup Ready Soybeans.

Variety	Brand	Vicksburg - Sudden Death Syndrome		Stoneville - Green Stems
		Mean	Highest score	Mean
NK S52-F2	NK Brand	1.7	2	1.7
NK S56-D7 (C)	NK Brand	2.0	2	3.3
NK S56-D7	NK Brand	2.3	3	5.7
95M30	Pioneer	3.0	4	1.0
95M50	Pioneer	3.3	4	3.7
P5207RR	Progeny	1.7	3	1.3
P5307RR	Progeny	3.3	4	1.0
P5407RR	Progeny	3.3	4	7.7
P5507RR	Progeny	2.7	3	7.7
Progeny 5115RR	Progeny	2.0	3	4.0
Progeny 5650RR	Progeny	3.3	4	7.0
557.RC	Schillinger	2.3	3	2.0
TV52R14	Terral	1.7	2	1.7
TV55R15	Terral	3.7	6	2.0
TVX52R018	Terral	2.3	3	1.0
TVX52R028	Terral	2.7	3	1.7
TVX52R128	Terral	4.0	5	1.7
TVX52R218	Terral	2.7	4	1.3
TVX53R018	Terral	2.3	3	3.7
TVX53R028	Terral	2.3	3	4.3
TVX53R118	Terral	4.3	6	5.0
TVX54R018	Terral	4.0	4	7.0
TVX56R018	Terral	3.0	4	2.7
USG 7553nRS	USG	3.0	5	3.7
USG 75J17	USG	1.7	2	1.0
USG Allen	USG	4.0	5	5.3

(C) = Cruiser.

Table 85. Maturity Group V Late Roundup Ready Soybeans.

Variety	Brand	Vicksburg - Sudden Death Syndrome		Stoneville - Green Stems
		Mean	Highest score	Mean
AV 57D7RR	AgVenture	2.0	3	4.7
AG5903	Asgrow	4.7	6	3.7
AG5905	Asgrow	2.7	3	3.7
DG 5960RR	Delta Grow	4.3	5	7.7
DG 5970RR	Delta Grow	3.0	6	6.7
DG5830RR	Delta Grow	2.3	3	6.7
DP 5808RR	DPL	4.0	6	2.7
DP 5808RR(G)	DPL	3.3	5	2.3
DP 5914RR	DPL	4.0	5	4.7
DP J02-11943RR (E)	DPL	3.0	3	4.7
DP J02-11990RR (E)	DPL	3.3	5	2.7
DP5915RR	DPL	1.7	2	7.0
DG 32B57	Dyna-Gro	3.0	4	1.0
DG 33C59	Dyna-Gro	1.0	1	5.0
DG 3583NRR	Dyna-Gro	4.0	6	7.7
DG 36N57	Dyna-Gro	1.7	2	5.0
HBK R5825	Hornbeck	2.7	4	6.3
NK S59-B8	NK Brand	3.3	4	4.3
95M80	Pioneer	2.7	5	6.7
Progeny 5706RR	Progeny	3.3	5	6.3
TV57R14	Terral	4.0	7	4.0
TV57R16	Terral	4.0	6	2.7
TV59R16	Terral	2.7	5	5.3
USG 7582nRR	USG	3.3	4	8.0

(G) = Gaucho.

Public Varieties Entered

Arkansas Agricultural Experiment Station

Ozark
Osage
UA4805

University of Missouri

Jake
Stoddard
S03-051RR (Exp.)
S04-5969R (Exp.)
S04-6008RR (Exp.)
S04-6013RR (Exp.)

University of Tennessee

TN03-12RR

USDA Agricultural Research Service

DB01-5289 (Exp.)
DB02-2517 (Exp.)
DB03-1381 (Exp.)
DB03-2811 (Exp.)
DB03-8416 (Exp.)
DB03-10440 (Exp.)

Commercial Varieties Entered

AgSouth Genetics P.O. Box 72246 Albany, GA 31708	AGS568RR	
Armor Seed Company 1 Pennsylvania St. Waldenburg, AR 72475	Armor 39-K4 (was AFX-3907) Armor GP-454 Armor GP-500 Armor GP-513 Armor GP-533	Armor X4228 (Exp.) Armor X4560 (Exp.) DK 4995 Armor X4996 (Exp.)
Cache River Valley Seed 12470 Hwy. 226 Cash, AR 72421	MorSoy RT 3906N MorSoy RT 4485N MorSoy RT 4707N (Exp.) MorSoy RT 4914N MorSoy RT 5107N MorSoy RT 5306N	MorSoy RT 5307N (Exp.) MorSoy RT 5407N (Exp.) MorSoy RTS 4556N (Exp.) MorSoy RTS 4706N MorSoy RTS 4955N
Delta and Pine Land Co. 103 Seaboard Ave. Piedmont, AL 36272	DP3993RR DP07-3980RR (Exp.) DP07-3972RR (Exp.) DP4112RR/S DP07-4492RR/S (Exp.) DP07-4470RR (Exp.) DP4450RR (was 06-4450) DP4546RR DP4724RR DP4888RR/S DP4919RR/S DP07-4732RR (Exp.) DP07-4950RR (Exp.) DP5115RR/S	DP51-103RR (Exp.) DP5335RR/S DP5414RR DP5634RR DP5808RR DPJ02-11943RR (Exp.) DPJ02-11990RR (Exp.) DP5915RR DP5914RR DP4748S DP5110S DPX4334RR (Exp.) DPX4727RR (Exp.)
Delta Grow Seed 220 NW 2nd England, AR 72046	DG 4150RR DG 4460RR DG 4470RR/STS DG 4660RR DG 4770RR DG 4840RR DG 4860RR DG 4960RR DG 4970RR DG 4975RRLARR DG 5160RR/STS	DG 5300RR DG 5470RR/STS DG 5450RR DG 5555RR DG 5630RR DG 5830RR DG 5960RR DG 5970RR DG 4780RR DG 5270RR DG 5570RR
Delta King Seed Company P.O. Box 970 McCrory, AR 72101	DK4567RR (was XTJ744) DK4667RR DK4763RR DK4866RR DK4967RR DK4968RR DK5066RR DK5161RR DK5068RR (was XTJ750)	DK52K6RR DK5366RR DK5368RR (was XTJ753) DK5567RR DK55T6RR DK XTJ847 (Exp) DK XTJ848 (Exp.) DK XTJ851 (Exp.)
Dulaney Seed Co. 6933 Sunflower School Rd. Clarksdale, MS 38614	AgVenture AV38T7 AgVenture AV44D4 NRR AgVenture AV 47G3 NRR AgVenture AV49D6 NRR AgVenture AV49J7 NRR AgVenture AV50D2NRR AgVenture AV53D3 NRR AgVenture AV54D4 AgVenture AV57D7 NRR	AgVenture 52P2 (was XG51) AgVenture 54P1NRR AgVenture XP46 (Exp.) AgVenture XP47A (Exp.) AgVenture XP47B (Exp.) AgVenture XP49A (Exp.) AgVenture XP49B (Exp.) AgVenture XP54A (Exp.) AgVenture XP56 (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-425RR (Exp.) ES XVT-518RR (Exp.) ES XVT-675RR (Exp.)
Erwin Keith Seed, Inc. 1529 Hwy. 193 Wynne, AR 72396	Progeny 4206RR Progeny 4405RR Progeny 4507RR (Exp.) Progeny 4606RR Progeny 4706RR Progeny 4807RR (Exp.) Progeny 4906RR Progeny 4949RR	Progeny 5115RR Progeny 5207RR (Exp.) Progeny 5307RR (Exp.) Progeny 5407RR (Exp.) Progeny 5507RR (Exp.) Progeny 5650RR Progeny 5706RR
FFR Seed 969 Cloverleaf Drive Southaven, MS 38671	FFR 5116RR FFR 5663RR	

Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK C4926 HBK C5025 HBK C5894 HBK R3824 HBK R3927 HBK R4527 HBK R4727	HBK R4924 HBK R5226 HBK RS5527 HBK R5425 HBK R5525 HBK R5825 HBK HX4843 (Exp.)
JGL, Inc. 1550 Pidco Drive Plymouth, IN 46563	EXP JG49	
Land O' Lakes Seed P.O. Box 42 Cary, MS 39054	Croplan Genetics RC 4444RR Croplan Genetics RC 4655RR Croplan Genetics RC 4955RR	Croplan Genetics RC 5007RR Croplan Genetics RC 5332RR Croplan Genetics RC 5555RR
Midwest Premium Genetics 523 S. Main, P.O. Box 688 Concordia, MO 64020	MPV4808nRR MPV5308nRR	MPV5407nRR MPG Exp. 55-7nRR
Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow AG3803 Asgrow AG3905 Asgrow AG3906 Asgrow AG4403 Asgrow AG4404 Asgrow AG4405 Asgrow AG4604 Asgrow AG4605	Asgrow AG4703 Asgrow AG4903 Asgrow AG5501 Asgrow AG5903 Asgrow AG5905 Asgrow DKB46-51 Asgrow EXP648AX (Exp.)
NK Brand Syngenta Seeds 7500 Olsen Mem. Hwy. Golden Valley, MN 55427	NK S43-B1 NK S46-U6 (was XR4669) NK S49-W6 (was XR5068)	NK S52-F2 (was XR5263) NK S56-D7 NK S59-B8 (was XR5862)
Pioneer, A Dupont Co. 700 Blvd. South, Suite 302 Huntsville, AL 35802	Pioneer variety 94M31 Pioneer variety 94M50 Pioneer variety 94M71 Pioneer variety 94B73	Pioneer variety 94M80 Pioneer variety 95M30 Pioneer variety 95M50 Pioneer variety 95M80
Schillinger Seed Inc. 4200 Corporate Drive, Ste. 106 West Des Moines, IA 50266	457.RCP 467.RCP 495.RC	XP47 557.RC
Stine Seed Company 2225 Larado Trail Adel, Iowa 50003	4782-4	
Terral Seed Company P.O. Box 826 Lake Providence, LA 71254	TV44R27 (was TVX44R270) TV45R14 TV46R15 TV47R17 (was TVX47R017) TV48R14 TV49R17 (was TVX49R017) TV49R27 (was TVX49R270) TV52R14 TV55R15 TV57R14 TV57R16 TV59R16 TVX47R018 (Exp.) TVX52R018 (Exp.)	TVX52R028 (Exp.) TVX53R028 (Exp.) TVX54R018 (Exp.) TVX56R018 (Exp.) TVX45R118 (Exp.) TVX46R018 (Exp.) TVX47R118 (Exp.) TVX48R018 (Exp.) TVX52R128 (Exp.) TVX52R218 (Exp.) TVX53R018 (Exp.) TVX53R118 (Exp.) TVX45R018 (Exp.)
UniSouth Genetics 2640-C Nolensville Rd. Nashville, TN 37211	USG 5002T USG 5601T USG Allen USG 74A27 USG 7440nRR USG 7466nRR	USG 74F78 USG 7494nRR USG 7495nRS USG 75J17RR USG 7553nRS USG 7582nRR
United Agri Products 7521 W. 4th St. Greeley, CO 80634	Dyna-Gro 31J39 Dyna-Gro 31R54 Dyna-Gro 32A53 Dyna-Gro 32B57 Dyna-Gro 32R46 Dyna-Gro 33B52 Dyna-Gro 33C59 Dyna-Gro 33P54 Dyna-Gro 33X55 Dyna-Gro 33Y45 Dyna-Gro 34J56	Dyna-Gro 3583NRR Dyna-Gro 35B40 Dyna-Gro 35D44 Dyna-Gro 35Z49 Dyna-Gro 36N57 Dyna-Gro 36Y48 Dyna-Gro 37A44 Dyna-Gro 37F46 Dyna-Gro 37P49 Dyna-Gro 38X47 Dyna-Gro 39F51

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