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MISSISSIPPI SOYBEAN

VARIETY TRIALS, 2009

MAFES

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NOTICE TO USER

This information bulletin is a summary of research conducted under project number MIS 2348 at eight 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 67-69 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 67-69.

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Mississippi Soybean Variety Trials, 2009

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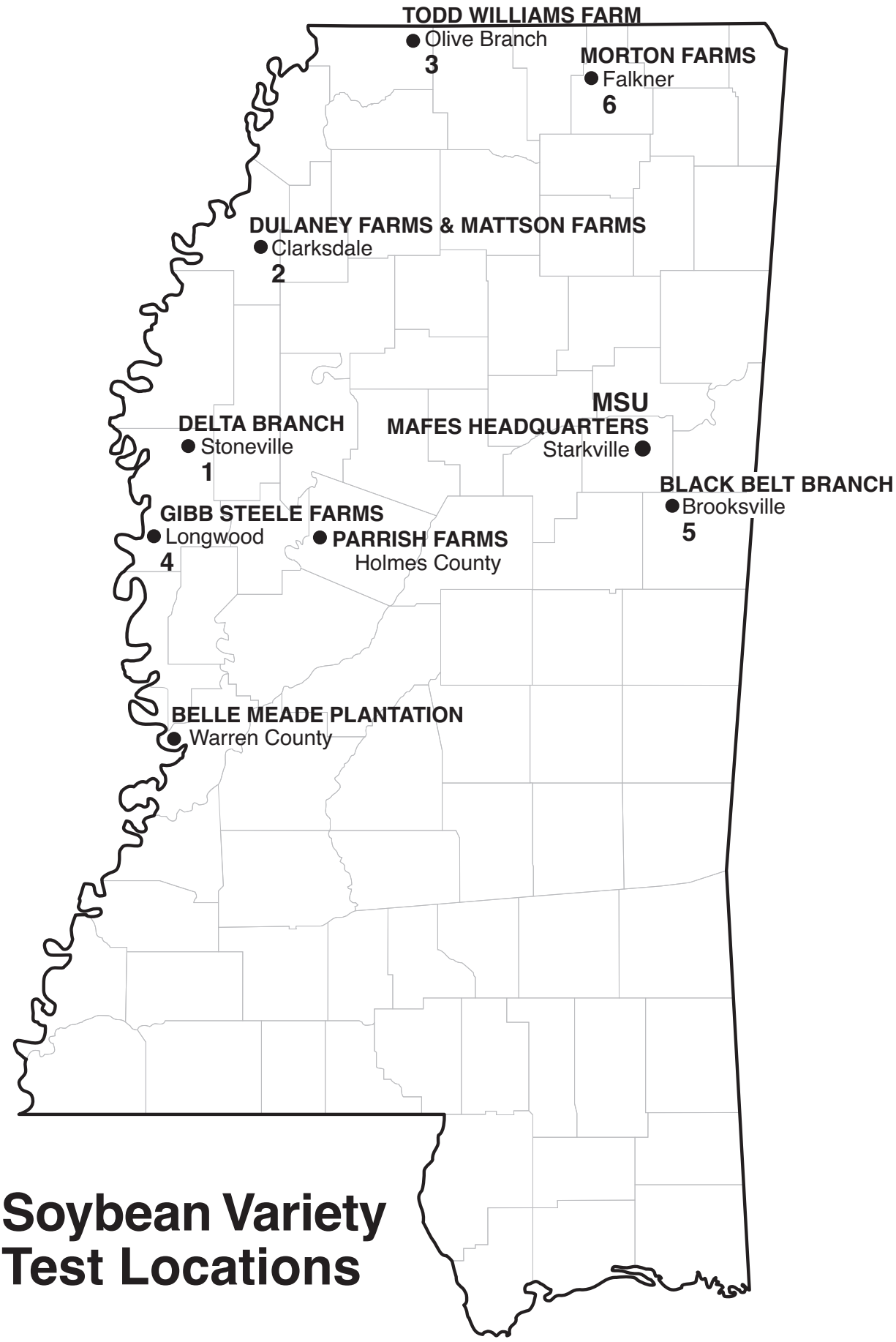

Soybean Variety Test Locations

Contents

Mississippi Soybean Variety Trials, 2009

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 eight locations in 2009 (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 irrigated plots were planted to a plot length of 16 feet by using a planter with a cable trip system. All nonirrigated plots were planted to a length of 18 feet. Plot ends were trimmed to a uniform length 3 to 4 weeks after emergence.

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

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

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

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

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

Disease and Nematodes. When a disease or nematode problem is correctly identified, the information in Tables 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 Gabe Sciumbato, MAFES plant pathologist.

How to Select Varieties

In Problem or Difficult Fields

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

(2) Use Tables 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. Don't abandon older, consistent-performing varieties that are yielding well unless research and experience show an advantage for newer varieties.

Planting Date and Maturity Date

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

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

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

Herbicide-Resistant Varieties

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

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

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

General Characteristics of Varieties

Soybean varieties differ in significant characteristics that may not affect their performance. Tables 62 to 69 give the general characteristics of most varieties grown in Mississippi.

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

Seed Size. There is no relationship between inherited seed size and seed yield. A small-seeded variety may yield as much as or more than a large-seeded variety. The average seed per pound for different varieties is shown in Tables 69 to 72, 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 Maturity Group IV 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 Maturity Group IV trials, the wide variation in maturity dates is attributed to lack of rigid standards for classifying varieties within a group. It was decided to subdivide both the Group IV and Group V trials into two maturity groups. All maturity groups were assigned an early- and late-maturity check:

Conventional Test

Maturity Group	Early Check	Late Check
Group IV Late	—	HBK C4926
Group V Early	USG5002T	HBK C5894
Group V Late	HBK C5894	

Roundup Ready Test

Maturity Group	Early Check	Late Check
Group IV Early	—	AG4403
Group IV Late	AG4403	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 is 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 could 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, 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 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Delta avg.	Brooksville	Falkner	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK4866	Asgrow	45.2	45.2	47.4	73.6	60.5		55.4
DKB46-51	Asgrow	34.5	34.5	28.2	52.4	40.3		38.4
477.TCS	Emerge Genetics	38.0	38.0	39.1	58.4	48.8		45.2
HBK C4926	Hornbeck	58.9	58.9	51.8	78.0	64.9		62.9
HBK C4929	Hornbeck	57.7	57.7	52.4	74.2	63.3		61.4
ATLANTA 1047RR2Y	Merschman	52.3	52.3	35.8	60.2	48.0		49.4
AUSTIN 943LL	Merschman	44.5	44.5	23.9	41.3	32.6		36.6
HOUSTON 747RR	Merschman	40.1	40.1	37.1	60.4	48.7		45.9
MEMPHIS 943RR	Merschman	34.1	34.1	31.9	55.5	43.7		40.5
MIAMI 949LL	Merschman	61.5	61.5	44.0	72.3	58.2		59.3
NASHVILLE 749RR	Merschman	44.9	44.9	31.9	55.0	43.5		43.9
NORFOLK 741RR	Merschman	36.6	36.6	25.7	48.8	37.2		37.0
ORLANDO 1048LL	Merschman	45.0	45.0	27.6	51.5	39.6		41.4
Progeny P4910	Progeny	54.8	54.8	45.1	62.6	53.8		54.2
LG01-5087-5	Public	48.6	48.6	45.5	38.5	42.0		44.2
R00-1194F (E)	Public	37.8	37.8	44.8	63.5	54.2		48.7
UA4805	Public	43.8	43.8	37.3	61.9	49.6		47.7
MPG-X-45-4 (E)	Super Soy	30.6	30.6	19.6	45.9	32.7		32.0
SS-09L.47N	Super Soy	45.3	45.3	29.9	53.0	41.4		42.7
SS-09L.49N	Super Soy	59.4	59.4	43.5	67.3	55.4		56.7
SS-10L.49N	Super Soy	52.8	52.8	42.2	58.9	50.6		51.3
Halo 4:65LL	US Seeds	46.8	46.8	29.6	66.0	47.8		47.5
Halo 4:94LL	US Seeds	59.5	59.5	47.9	70.2	59.1		59.2
Overall Mean		46.6	46.6	37.5	59.5	48.5		47.9
LSD (.10)		8.5	8.5	6.6	9.4	8.0		8.2
Error degrees of freedom		44	44	44	44	44		44
CV (%)		9.4	9.4	13.0	8.1	10.6		10.2
R^2 (%)		87	87	86	88	87		87

[1](E) = Experimental.

Table 2. Summary of Yields for Maturity Group V Early for the 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Falkner	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK 52K6	Delta King	34.5	48.6	41.6	43.5	89.1	66.3		53.9
HBK C5025	Hornbeck	56.6	42.9	49.8	49.9	89.3	69.6		59.7
HBK C5029	Hornbeck	40.0	43.5	41.8	32.8	74.1	53.4		47.6
HBK C5528	Hornbeck	33.5	51.8	42.7	52.1	89.8	71.0		56.8
OLYMPUS 1051LL	Merschman	38.0	38.5	38.2	40.8	87.5	64.2		51.2
RUSHMORE 959RR	Merschman	42.9	45.3	44.1	52.7	90.6	71.6		57.9
Progeny 5706RR	Progeny	51.1	56.4	53.8	56.6	98.3	77.5		65.6
Progeny P5770	Progeny	44.0	51.7	47.8	38.3	83.4	60.8		54.3
DB03-10440 (E)	Public	18.2	26.4	22.3	29.2	44.4	36.8		29.6
DB03-1381 (E)	Public	31.6	40.0	35.8	37.3	79.0	58.2		47.0
DB03-8416 (E)	Public	41.1	42.1	41.6	50.1	89.6	69.8		55.7
DB04-10836 (E)	Public	43.5	47.7	45.6	53.0	94.8	73.9		59.7
DB04-10997 (E)	Public	29.0	35.1	32.0	29.6	69.2	49.4		40.7
DB04-290 (E)	Public	22.5	38.1	30.3	30.9	69.9	50.4		40.4
DS95-217-1-880	Public	20.7	22.9	21.8	28.3	27.0	27.6		24.7
Freedom	Public	45.4	47.0	46.2	38.6	84.1	61.3		53.8
Hutcheson	Public	33.8	35.9	34.8	39.9	84.8	62.3		48.6
Jake	Public	35.1	34.5	34.8	40.6	86.4	63.5		49.2
N02-417 (E)	Public	29.1	45.1	37.1	37.9	83.0	60.4		48.8
Osage	Public	35.6	48.0	41.8	36.2	78.3	57.3		49.5
Ozark	Public	29.4	40.2	34.8	31.3	72.6	51.9		43.4
R04-357 (E)	Public	37.4	45.2	41.3	36.6	78.4	57.5		49.4
S05-11268 (E)	Public	26.6	35.7	31.2	35.6	75.8	55.7		43.4
S05-11482 (E)	Public	16.0	32.9	24.4	31.7	74.0	52.9		38.7
V98-2711	Public	26.4	31.5	29.0	37.8	80.8	59.3		44.1

[1](E) = Experimental.

Table 2 (continued). Summary of Yields for Maturity Group V Early for the 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Falkner	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
MPG-X-55-1 (E)	Super Soy	29.0	48.9	39.0	39.8	84.8	62.3		50.6
SS-10L.51N	Super Soy	34.3	40.3	37.3	32.9	75.3	54.1		45.7
Halo 5:25LL	US Seeds	36.0	42.5	39.2	29.4	56.1	42.8		41.0
Halo 5:65LL	US Seeds	38.2	44.5	41.3	43.4	88.7	66.0		53.7
Overall Mean		34.5	41.6	38.1	39.2	78.6	58.9		48.5
LSD (.10)		9.5	6.4	8.0	12.0	16.0	14.0		11.0
Error degrees of freedom		56	48	52	56	56	56		54
CV (%)		14.3	7.9	11.1	16.0	10.6	13.3		12.2
R^2 (%)		85	90	88	72	84	78		84

[1](E) = Experimental.

Table 3. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr.	Delta avg.	Brooksville	Falkner	Olive Branch	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 45x5RR	AgVenture	37.4	45.2	41.3	41.5	41.3	38.5	71.1	69.9	59.8		49.3
Armor 42-M1	Armor	29.2	48.9	39.0	46.1	40.8	51.1	81.5	71.5	68.0		52.5
Armor ARX 0431 (E)	Armor	43.4	51.5	41.9	57.1	48.5	52.2	69.9	67.9	63.3		54.9
Armor ARX 0432 (E)	Armor	48.3	52.3	37.0	48.6	46.5	56.2	69.1	70.4	65.2		54.6
AG4005	Asgrow	30.9	36.3	29.3	38.6	33.8	31.5	67.6	56.2	51.8		41.5
AG4303	Asgrow	35.2	37.0	39.5	46.0	39.4	47.6	74.7	85.6	69.3		52.2
AG4403	Asgrow	39.3	45.7	32.2	45.3	40.6	51.1	75.6	82.3	69.7		53.1
AG4404	Asgrow	45.8	36.4	30.8	39.2	38.0	27.1	67.8	52.9	49.3		42.9
AG4405	Asgrow	32.1	42.3	33.5	40.8	37.2	46.6	66.4	68.3	60.4		47.1
AG4605	Asgrow	35.6	44.0	44.9	48.6	43.3	42.6	61.6	70.0	58.1		49.6
AG4606	Asgrow	40.9	60.1	30.2	43.9	43.8	46.4	62.4	53.0	53.9		48.1
AG4703	Asgrow	43.4	53.1	38.1	52.9	46.9	45.8	64.5	75.7	62.0		53.4
DKB46-51	Asgrow	44.0	41.9	37.8	48.4	43.0	33.5	61.1	65.3	53.3		47.4
Channel 4551R Brand	Channel	38.3	40.5	38.9	41.7	39.9	52.6	70.7	76.2	66.5		51.3
RC 4417	Croplan Genetics	46.1	49.8	28.0	41.0	41.2	38.8	63.8	70.1	57.5		48.2
DG 4470RR/STS	Delta Grow	42.9	38.9	40.5	45.9	42.1	52.2	60.1	85.8	66.0		52.3
DG4150RR	Delta Grow	42.3	44.0	32.5	39.7	39.6	34.7	63.7	64.3	54.3		45.9
Delta King DK 4560	Delta King	43.8	49.4	51.9	64.7	52.4	54.7	67.8	59.9	60.8		56.0
DK DKX 0461 (E)	Delta King	42.4	58.5	35.6	51.8	47.1	52.8	64.6	73.2	63.6		54.1
DKR 4744s	Delta King	42.7	57.7	40.5	61.2	50.5	55.7	73.6	74.6	68.0		58.0
DG 32R46	Dyna-Gro	45.4	39.8	43.2	42.4	42.7	47.2	71.5	69.9	62.9		51.3
DG 33Y45	Dyna-Gro	35.9	40.3	46.3	39.9	40.6	49.7	61.9	68.9	60.2		49.0
DG 36C44	Dyna-Gro	45.0	39.2	30.6	39.2	38.5	46.5	69.3	72.0	62.6		48.8
DG 37F46	Dyna-Gro	43.5	51.4	50.7	55.8	50.3	60.9	71.1	64.5	65.5		56.8
ES 4333RR	Eagle Seed	39.9	42.1	33.5	38.9	38.6	40.1	62.6	72.7	58.5		47.1
HBK R3927	Hornbeck	34.8	45.9	44.8	47.8	43.3	40.0	72.0	45.6	52.5		47.3
HBK R4527	Hornbeck	44.0	61.0	48.3	50.1	50.9	55.4	65.0	75.2	65.2		57.0
MorSoy RT4485N (E)	MorSoy	41.1	49.8	26.4	47.5	41.2	36.7	82.0	63.2	60.7		49.5
NK S44-D5 Brand	NK Brand	36.7	48.1	42.6	41.5	42.2	45.5	80.2	65.8	63.8		51.5
NK S46-U6 Brand	NK Brand	30.8	62.6	41.1	55.1	47.4	47.5	72.6	77.7	65.9		55.3
94Y01	Pioneer	42.0	35.9	30.7	40.0	37.2	34.8	75.5	57.0	55.8		45.1
94Y20	Pioneer	47.4	44.7	44.9	46.9	46.0	47.0	62.5	74.9	61.5		52.6
Progeny 4206RR	Progeny	41.1	37.3	30.9	43.6	38.2	42.2	66.2	65.8	58.1		46.7
Progeny 4508RR (E)	Progeny	43.5	48.2	32.8	43.7	42.1	50.0	73.9	73.6	65.8		52.2
Progeny 4606RR	Progeny	26.6	48.4	41.3	39.8	39.0	48.2	85.3	74.0	69.2		51.9
Progeny P3909RR (E)	Progeny	34.7	34.8	36.2	34.4	35.0	37.8	70.3	65.7	57.9		44.9
S06-10572 (E)	Public	47.4	49.3	36.1	47.6	45.1	37.5	66.7	53.0	52.4		48.2
457.RCP	Schillinger	48.5	57.4	45.5	47.6	49.7	48.5	64.1	55.3	56.0		52.4
458.RCS (E)	Schillinger	44.7	48.7	30.1	52.6	44.0	38.3	73.1	80.8	64.1		52.6
TV46R15	Terral	44.7	55.1	43.0	50.9	48.4	41.6	65.8	55.0	54.1		50.9
TV46R19	Terral	38.5	49.6	45.7	57.3	47.8	46.5	66.4	55.4	56.1		51.3
Terral-REV 44R11 (E)	Terral-REV	47.0	51.5	40.2	42.7	45.3	44.6	63.6	68.7	59.0		51.2
Terral-REV 45R10 (E)	Terral-REV	50.5	54.2	43.1	45.6	48.4	52.3	63.6	75.5	63.8		55.0

[1](E) = Experimental.

Table 3 (cont.). Summary of Yields for Maturity Group IV Early Roundup Ready for the 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr.	Delta avg.	Brooksville	Falkner	Olive Branch	Hill avg.	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Terral-REV 46R11 (E)	Terral-REV	43.3	43.7	37.9	41.1	41.5	37.8	74.7	54.5	55.7	47.6
USG 74A69	USG	45.1	70.1	35.6	48.1	49.7	56.6	69.8	80.0	68.8	57.9
USG 74C69	USG	34.2	53.9	50.1	51.9	47.5	49.1	70.9	56.8	58.9	52.4
VPM 44X1	VP Maxx	47.6	48.1	47.2	47.0	47.5	52.4	73.2	73.6	66.4	55.6
Overall Mean		41.1	47.8	38.8	46.3	43.5	45.7	69.1	67.7	60.8	50.9
LSD (.10)		15.7	6.9	10.2	10.6	10.9	7.9	21.5	13.2	14.2	12.3
Error degrees of freedom		92	92	92	91	92	92	59	92	81	87
CV (%)		19.9	10.9	14.1	16.9	15.5	12.7	16.2	10.1	13.0	14.4
R^2 (%)		42	78	73	51	61	75	33	77	62	61

[1](E) = Experimental.

Table 4. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Nonirr.	Delta avg.	Brooksville	Falkner	Olive Branch	Hill avg.	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
47G3 NRR	AgVenture	37.3	46.4	51.0	44.9	29.8	74.0	59.8	54.5	49.7
AV EXA49B (E)	AgVenture	39.3	52.3	56.3	49.3	29.6	79.4	67.3	58.7	54.0
Armor 47-F8	Armor	44.1	40.3	42.9	42.4	38.4	82.9	56.1	59.1	50.8
Armor ARX 0471 (E)	Armor	56.3	48.5	54.2	53.0	31.5	83.9	69.8	61.7	57.4
Armor ARX 0472 (E)	Armor	56.2	45.9	54.8	52.3	38.8	83.3	67.6	63.2	57.8
Armor ARX 0473 (E)	Armor	43.9	53.1	61.0	52.7	39.6	83.2	65.4	62.7	57.7
Armor ARX 0474 (E)	Armor	47.1	48.5	55.2	50.3	46.9	86.4	67.6	67.0	58.6
AG4703	Asgrow	50.9	46.5	53.5	50.3	28.0	82.4	74.2	61.5	55.9
AG4903	Asgrow	50.1	40.9	64.2	51.7	39.3	86.2	65.3	63.6	57.7
AG4907	Asgrow	46.2	49.0	59.8	51.7	34.9	85.6	67.8	62.8	57.2
DK 5068	Asgrow	55.8	55.1	73.1	61.3	44.0	82.8	60.8	62.5	61.9
DK4866	Asgrow	51.3	49.1	54.6	51.7	37.3	82.9	57.9	59.4	55.5
Channel 4851R Brand	Channel	44.8	50.0	58.7	51.2	48.6	89.2	63.8	67.2	59.2
Channel 4852R Brand	Channel	46.6	29.3	50.1	42.0	17.1	74.7	57.9	49.9	45.9
RC 4757	Croplan Genetics	44.5	46.6	52.1	47.7	32.2	82.6	65.9	60.2	54.0
RC 4877	Croplan Genetics	36.8	50.6	56.0	47.8	35.7	81.4	62.6	59.9	53.8
DG 4780RR	Delta Grow	38.1	50.1	58.5	48.9	32.7	77.1	53.7	54.5	51.7
DG 4790RR2	Delta Grow	55.8	42.8	62.4	53.7	35.8	78.5	62.3	58.9	56.3
DG 4870RR	Delta Grow	39.3	40.1	57.3	45.6	20.3	86.4	69.5	58.7	52.2
DG 4970RR	Delta Grow	47.0	43.7	63.5	51.4	35.7	86.4	66.0	62.7	57.0
DG4770RR	Delta Grow	51.0	39.1	52.8	47.6	27.8	77.5	72.9	59.4	53.5
DG4975LARR	Delta Grow	46.4	43.7	64.0	51.4	47.6	85.6	81.3	71.5	61.4
Delta King DK 4770	Delta King	45.1	44.8	60.8	50.3	31.5	90.5	66.4	62.8	56.5
DK 4968	Delta King	51.1	53.7	59.8	54.9	26.9	82.4	70.7	60.0	57.4
DPL 4690	DPL	38.1	31.7	41.7	37.2	40.1	82.1	68.2	63.5	50.3
DG 32P48	Dyna-Gro	51.2	43.1	58.2	50.9	35.3	84.8	55.9	58.7	54.8
DG 35Z49	Dyna-Gro	39.2	46.2	64.9	50.1	45.0	85.5	64.2	64.9	57.5
DG 36Y48	Dyna-Gro	45.1	46.3	56.4	49.3	45.7	77.8	62.4	62.0	55.6
DG 37P49	Dyna-Gro	48.6	39.5	64.4	50.8	45.9	68.7	56.8	57.1	54.0
DG V47N9RS	Dyna-Gro	42.5	35.5	46.4	41.5	20.9	69.6	58.0	49.5	45.5
DG V48N7RS	Dyna-Gro	45.9	34.6	54.0	44.9	36.1	86.5	71.3	64.6	54.7
DG V49N6RR	Dyna-Gro	47.0	47.4	61.9	52.1	34.2	80.9	76.0	63.7	57.9
ES 4777	Eagle Seed	43.2	55.9	60.9	53.3	37.0	78.6	71.3	62.3	57.8
ES 4818	Eagle Seed	43.3	51.0	58.5	51.0	43.7	75.0	70.3	63.0	57.0
ES 4906	Eagle Seed	40.2	54.5	52.4	49.0	44.4	91.4	73.2	69.7	59.4
ES 4922RR	Eagle Seed	39.6	47.7	56.4	47.9	55.6	73.5	73.0	67.4	57.6
ES 4931RR	Eagle Seed	37.0	42.8	63.2	47.7	29.9	66.2	57.4	51.2	49.4
ES 4991	Eagle Seed	44.2	43.3	55.3	47.6	29.3	80.7	63.5	57.8	52.7
HBK R4727	Hornbeck	38.8	49.1	51.8	46.6	27.2	81.2	71.7	60.0	53.3
HBK R4729	Hornbeck	47.1	49.7	64.5	53.7	39.8	86.9	67.5	64.7	59.2
HBK R4924	Hornbeck	45.6	52.8	66.1	54.8	45.4	69.3	53.0	55.9	55.4
JG 481 (E)	JGL	41.3	42.5	59.4	47.7	22.4	82.9	72.3	59.2	53.5
JG 482 (E)	JGL	52.5	53.9	60.2	55.5	26.8	76.8	67.5	57.0	56.3

[1](E) = Experimental.

Table 4 (cont.). Summary of Yields for Maturity Group IV Late Roundup Ready for the 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Nonirr.	Delta avg.	Brooksville	Falkner	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
JG 483	JGL	47.4	45.7	54.9	49.3	34.5	69.1	60.2	54.6		52.0
MorSoy RT4707N	MorSoy	48.1	44.5	43.0	45.2	22.6	84.0	70.5	59.0		52.1
MorSoy RT4914N (E)	MorSoy	47.9	40.9	65.1	51.3	36.1	79.5	69.5	61.7		56.5
MorSoy RT4919N (E)	MorSoy	47.5	45.1	52.5	48.3	30.1	82.0	69.0	60.4		54.4
MorSoy RT4955N (E)	MorSoy	46.3	48.2	62.7	52.4	44.9	91.2	63.0	66.4		59.4
MorSoy RTs4824	MorSoy	46.7	41.6	54.5	47.6	41.9	80.0	69.7	63.9		55.7
NK S49-W6 Brand	NK Brand	46.3	49.3	53.8	49.8	26.5	73.4	66.6	55.5		52.7
S48-C9 Brand	NK Brand	45.1	41.7	45.7	44.2	29.3	88.0	68.6	62.0		53.1
S49-H7 Brand	NK Brand	44.9	47.0	53.6	48.5	31.4	82.1	64.0	59.2		53.8
94Y70	Pioneer	51.6	47.6	51.0	50.1	35.4	89.6	68.4	64.5		57.3
94Y80	Pioneer	53.6	51.5	75.0	60.0	46.0	93.9	71.2	70.3		65.2
94Y90	Pioneer	43.0	50.2	56.4	49.9	36.4	88.4	70.8	65.2		57.5
95Y01	Pioneer	46.3	55.8	69.3	57.2	47.6	77.8	57.7	61.1		59.1
P4807RR	Progeny	40.4	42.5	50.5	44.5	29.7	78.7	60.3	56.2		50.4
Progeny 4706RR	Progeny	41.7	40.7	57.1	46.5	35.7	92.8	77.8	68.8		57.6
Progeny 4906RR	Progeny	47.7	36.7	54.9	46.4	43.9	90.8	76.5	70.4		58.4
Progeny 4908RR (E)	Progeny	40.5	48.1	52.4	47.0	58.4	86.7	74.5	73.2		60.1
Progeny 4949RR	Progeny	49.8	52.4	59.6	53.9	44.8	70.4	61.8	59.0		56.5
S06-3929 (E)	Public	42.6	30.2	49.6	40.8	18.0	91.6	62.6	57.4		49.1
478.RCS	Schillinger	52.2	40.5	50.8	47.8	26.1	81.8	78.6	62.2		55.0
4880.RC	Schillinger	51.1	43.6	62.5	52.4	37.3	84.3	72.5	64.7		58.5
495.RC	Schillinger	42.3	48.6	58.5	49.8	36.4	78.3	72.8	62.5		56.1
499.RC	Schillinger	49.6	46.0	67.8	54.5	37.9	89.5	80.4	69.3		61.9
4990.RC	Schillinger	50.3	54.8	58.8	54.6	35.9	88.2	70.6	64.9		59.8
4782-4	Stine	48.9	46.0	48.7	47.8	34.1	80.6	54.3	56.3		52.1
TV47R18	Terral	46.0	48.3	57.0	50.4	37.4	84.9	56.0	59.4		54.9
TV49R17	Terral	45.9	50.4	64.9	53.7	42.0	78.5	70.3	63.6		58.7
TV49R19	Terral	41.0	50.5	56.1	49.2	38.7	67.5	60.5	55.6		52.4
Terral-REV 47R11 (E)	Terral-REV	52.3	36.0	44.9	44.4	27.9	67.5	62.3	52.6		48.5
Terral-REV 47R21 (E)	Terral-REV	43.9	35.3	45.1	41.5	21.7	74.7	61.3	52.6		47.0
Terral-REV 48R10 (E)	Terral-REV	53.3	49.3	54.0	52.2	33.0	81.7	73.0	62.6		57.4
Terral-REV 49R10 (E)	Terral-REV	52.7	57.3	66.4	58.8	45.0	66.2	59.7	57.0		57.9
Terral-REV 49R11 (E)	Terral-REV	47.3	41.2	46.7	45.1	37.3	81.1	75.2	64.5		54.8
Terral-REV 49R20 (E)	Terral-REV	47.9	57.6	65.8	57.1	51.3	80.9	71.4	67.8		62.5
Terral-REV 49R21 (E)	Terral-REV	33.6	56.4	68.1	52.7	48.8	66.6	57.6	57.7		55.2
USG 74A76	USG	42.4	39.6	56.1	46.0	34.5	89.4	68.2	64.0		55.0
USG 74A79	USG	55.6	37.3	63.5	52.1	32.6	77.9	56.8	55.8		53.9
USG 74A91	USG	43.6	37.7	65.2	48.9	44.7	66.5	51.3	54.2		51.5
USG 74E88	USG	33.7	35.1	52.7	40.5	26.6	85.9	70.1	60.9		50.7
USG 74F96	USG	43.7	43.9	60.4	49.3	40.2	82.6	63.9	62.2		55.8
VPM 49X1	VP Maxx	46.1	52.0	58.8	52.3	43.5	88.5	58.9	63.6		58.0
Mean		45.9	45.8	57.2	49.6	36.2	81	66.1	61.1		55.4
LSD (.10)		12.1	11.4	8.7	10.7	6.3	16.9	18.3	13.8		12.3
Error degrees of freedom		166	166	166	166	166	163	163	164		165
CV %		13.7	13.1	11.3	12.7	12.9	10.9	14.5	12.8		12.7
R^2 %		53	65	65	61	83	49	50	61		61

[1](E) = Experimental.

Table 5. Summary of Yields for Maturity Group V Early Roundup Ready for the 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Falkner	Olive Branch	Hill avg.	Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AGS 554RR	AGS	44.0	43.5	50.3	45.9	44.8	79.9	88.9	71.2	58.6
AGS 568RR	AgSouth	43.3	41.3	52.8	45.8	37.9	74.9	70.9	61.2	53.5
AV 50X6RR	AgVenture	56.8	32.0	47.1	45.3	37.3	71.1	69.3	59.3	52.3
AV 51X5RR	AgVenture	48.5	21.7	40.4	36.9	33.2	86.5	69.2	63.0	49.9
AV 54X4RR	AgVenture	39.3	45.2	50.1	44.9	48.5	79.5	78.3	68.7	56.8
Armor 53-Z5	Armor	40.9	30.6	44.8	38.8	23.3	82.0	78.2	61.2	50.0
AG5405	Asgrow	42.4	33.0	39.4	38.2	26.0	83.4	80.6	63.4	50.8
AG5503	Asgrow	51.1	44.9	42.4	46.1	43.6	81.2	80.2	68.3	57.2
AG5504	Asgrow	38.5	31.1	39.3	36.3	33.9	78.6	89.5	67.3	51.8
AG5606	Asgrow	42.4	41.5	47.1	43.7	47.0	83.3	79.0	69.8	56.7
DK 5068	Asgrow	53.9	22.9	48.7	41.8	30.9	79.8	73.4	61.4	51.6
DP 5335RR/S	Asgrow	38.7	25.8	44.8	36.4	33.2	84.2	63.8	60.4	48.4
RC 5007	Croplan Genetics	50.0	27.9	45.3	41.1	31.2	90.7	75.8	65.9	53.5
RC 5419	Croplan Genetics	39.1	51.1	46.0	45.4	49.7	79.3	60.8	63.3	54.4
RC 5663	Croplan Genetics	37.2	43.9	38.7	40.0	33.6	68.8	70.9	57.8	48.9
DG 5170RR	Delta Grow	49.2	34.9	33.3	39.1	21.0	71.7	53.9	48.8	44.0
DG 5280RR	Delta Grow	44.8	37.1	43.9	41.9	27.9	71.8	71.1	56.9	49.4
DG 5450RR	Delta Grow	44.6	35.0	46.4	42.0	37.4	80.9	81.0	66.4	54.2
DG 5555RR	Delta Grow	39.1	49.8	45.9	44.9	49.8	82.9	70.7	67.8	56.4
DG5160RR	Delta Grow	43.3	28.8	43.0	38.4	37.5	78.6	71.1	62.4	50.4
DG5300RR	Delta Grow	43.5	38.5	46.2	42.7	27.9	89.3	79.0	65.4	54.1
Delta King GP-500	Delta King	46.6	25.8	39.8	37.4	33.5	74.9	68.7	59.0	48.2
Delta King GP-533	Delta King	42.1	44.9	43.4	43.5	44.7	82.1	78.0	68.3	55.9
DK 52K6	Delta King	41.4	35.2	46.2	40.9	42.0	78.3	76.2	65.5	53.2
DK 5363	Delta King	43.4	49.8	50.8	48.0	41.3	69.2	83.9	64.8	56.4
DK5068 (Frogeye)	Delta King	35.3	28.1	42.1	35.1	29.5	68.8	64.2	54.2	44.7
DG 31R54	Dyna-Gro	42.5	35.1	35.6	37.7	24.8	72.6	69.1	55.5	46.6
DG 32A53	Dyna-Gro	44.4	30.3	43.0	39.2	32.1	71.0	70.9	58.0	48.6
DG 33B52	Dyna-Gro	41.3	42.0	42.6	42.0	35.3	71.5	79.4	62.0	52.0
DG 33X55	Dyna-Gro	44.4	35.3	49.9	43.2	41.5	78.1	76.0	65.2	54.2
DG 35F55	Dyna-Gro	44.6	49.5	49.8	48.0	50.0	84.2	68.5	67.6	57.8
DG V51N7RS	Dyna-Gro	47.1	38.9	35.8	40.6	27.3	79.4	72.2	59.6	50.1
ES 5121	Eagle Seed	47.9	36.7	35.8	40.1	45.2	77.3	73.3	65.3	52.7
ES 5333RR	Eagle Seed	43.5	26.3	37.5	35.8	19.3	69.3	66.7	51.8	43.8
ES 5370RR	Eagle Seed	42.0	30.0	39.7	37.2	32.2	70.4	56.0	52.9	45.1
ES 5507RR	Eagle Seed	31.3	37.5	54.5	41.1	35.4	81.7	80.3	65.8	53.4
ES 5519RR	Eagle Seed	32.0	34.9	44.3	37.1	35.9	70.7	71.2	59.3	48.2
ES 5555RR	Eagle Seed	46.4	37.5	42.0	41.9	29.9	66.8	80.6	59.1	50.5
ES 5656RR	Eagle Seed	53.3	37.1	46.9	45.8	36.8	80.3	77.9	65.0	55.4
HBK R5226	Hornbeck	35.8	39.7	46.4	40.6	46.1	81.9	83.0	70.3	55.5
HBK R5229	Hornbeck	32.8	41.7	43.2	39.2	29.3	71.2	72.2	57.6	48.4
HBK R5425	Hornbeck	35.4	40.8	49.9	42.1	47.2	74.7	70.0	64.0	53.0
HBK R5525	Hornbeck	34.8	40.9	47.2	41.0	32.1	72.0	79.7	61.3	51.1
MorSoy RT5168N (E)	MorSoy	50.4	31.0	48.8	43.4	30.9	77.9	74.0	60.9	52.2
MorSoy RT5388N (E)	MorSoy	34.6	39.8	47.4	40.6	29.5	80.6	88.2	66.1	53.3
MorSoy RT5688N (E)	MorSoy	44.8	45.4	55.5	48.6	45.5	77.4	76.6	66.5	57.5
NK S52-F2 Brand	NK Brand	48.3	38.9	42.7	43.3	34.4	84.0	88.0	68.8	56.1
S54-M7 Brand	NK Brand	40.7	42.6	48.8	44.1	40.8	84.1	80.4	68.4	56.2
95M50	Pioneer	46.1	47.0	43.2	45.4	35.2	70.7	69.8	58.6	52.0
95Y30	Pioneer	41.5	40.0	44.9	42.2	36.4	57.1	66.7	53.4	47.8
95Y40	Pioneer	42.1	42.0	40.7	41.6	37.8	71.7	81.6	63.7	52.6
Progeny 5115RR	Progeny	43.9	31.5	45.6	40.3	39.4	81.4	73.8	64.9	52.6
Progeny 5218RR (E)	Progeny	39.6	40.9	44.4	41.7	32.1	69.5	70.0	57.2	49.4
Progeny 5622RR	Progeny	42.0	46.3	59.2	49.2	38.2	83.7	82.7	68.2	58.7
Progeny 5650RR	Progeny	31.3	42.6	47.4	40.4	47.1	71.4	79.6	66.0	53.2
Progeny P5309RR (E)	Progeny	39.1	31.3	41.9	37.4	35.8	77.9	59.6	57.8	47.6
Progeny P5319RR (E)	Progeny	44.6	52.9	47.4	48.3	48.7	82.5	74.2	68.5	58.4
Progeny P5409RR (E)	Progeny	45.7	35.7	43.7	41.7	43.9	86.9	65.4	65.4	53.5
S06-3027 (E)	Public	45.6	30.5	31.2	35.8	27.9	66.1	70.8	54.9	45.3
S06-3095 (E)	Public	46.6	28.7	30.1	35.1	32.2	81.8	75.0	63.0	49.1
5440.RC	Schillinger	39.8	34.1	39.0	37.6	23.6	80.0	77.7	60.4	49.0
557.RC	Schillinger	50.5	36.2	42.2	43.0	27.0	93.7	73.6	64.8	53.9
TV52R79	Terral	42.0	34.0	50.2	42.1	25.9	87.5	78.1	63.9	53.0
TV54R28	Terral	38.4	42.7	45.2	42.1	37.4	75.3	76.3	63.0	52.6
TV55R15	Terral	44.8	50.6	48.8	48.1	50.3	81.7	75.2	69.1	58.6

[1](E) = Experimental.

Table 5 (cont.). Summary of Yields for Maturity Group V Early Roundup Ready for the 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Falkner	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
TV55R20	Terral	45.5	46.8	44.8	45.7	44.0	92.8	72.1	69.7		57.7
Terral-REV 54R10 (E)	Terral-REV	49.3	48.7	42.0	46.7	42.0	75.0	72.3	63.1		54.9
Terral-REV 55R11 (E)	Terral-REV	41.7	41.0	39.1	40.6	40.1	78.3	76.1	64.8		52.7
USG 7515nRS	USG	40.6	26.1	40.6	35.8	26.0	71.5	63.3	53.6		44.7
USG 75M16	USG	40.2	30.5	43.0	37.9	34.1	87.4	75.9	65.8		51.8
USG 75M49	USG	41.7	36.5	39.0	39.1	23.9	83.4	81.7	63.0		51.0
USG 75Z38	USG	41.6	37.9	46.6	42.0	31.5	70.6	74.3	58.8		50.4
VPM 52A1	VP Maxx	40.7	43.7	45.4	43.3	41.2	73.0	75.7	63.3		53.3
VPM 53A1	VP Maxx	49.1	51.1	43.5	47.9	42.1	55.2	82.7	60.0		54.0
Overall Mean		42.4	37.9	43.9	41.4	35.9	77.1	74	62.3		51.9
LSD (.10)		9.4	9.1	6.6	8.4	8.1	13.6	11.4	11.0		9.7
Error degrees of freedom		148	146	146	147	148	148	148	148		147
CV (%)		11.6	12.6	7.9	10.7	12.1	9.2	7.9	9.7		10.2
R^2 (%)		74	79	80	78	84	65	71	73		76

[1](E) = Experimental.

Table 6. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Falkner	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 597	AGS	45.7	52.8	52.9	50.5	40.3	70.5	69.5	60.1		55.3
AGS 606RR	AGS	38.5	39.3	48.3	42.0	44.7	79.1	82.5	68.8		55.4
AG5905	Asgrow	37.2	41.1	48.7	42.3	43.5	65.5	87.0	65.3		53.8
DP 5808RR	Asgrow	40.7	48.1	47.9	45.6	43.2	75.7	71.4	63.4		54.5
DP5915RR	Asgrow	32.8	34.3	42.9	36.7	38.3	80.8	70.1	63.1		49.9
DG 5970RR	Delta Grow	35.5	45.7	50.7	44.0	44.8	79.5	80.4	68.2		56.1
DG 32B57	Dyna-Gro	39.4	44.5	42.9	42.3	42.5	75.8	83.9	67.4		54.8
DG 33C59	Dyna-Gro	43.2	50.8	53.1	49.0	42.8	75.2	77.2	65.1		57.0
DG 36N57	Dyna-Gro	37.8	46.0	39.9	41.3	33.6	73.1	72.7	59.8		50.5
DG V59N8RR	Dyna-Gro	41.2	40.8	53.3	45.1	48.0	78.0	86.6	70.9		58.0
HBK R5825	Hornbeck	32.3	41.6	49.2	41.0	33.4	73.8	64.2	57.1		49.1
95Y70	Pioneer	37.5	47.4	49.2	44.7	59.4	70.5	82.0	70.6		57.7
Progeny 5706RR	Progeny	42.8	50.1	56.6	49.9	51.9	69.0	89.7	70.2		60.0
TV57R16	Terral	36.0	33.6	36.9	35.5	37.7	65.3	74.9	59.3		47.4
TV59R16	Terral	39.7	52.8	53.6	48.7	44.9	82.4	70.8	66.0		57.4
USG 75Z98	USG	43.5	46.4	50.3	46.7	35.0	73.7	78.8	62.5		54.6
Overall Mean		38.9	44.7	48.5	44.0	42.7	74.2	77.6	64.8		54.4
LSD (.10)		6.3	9.1	5.5	7.0	8.1	20.4	15.9	14.8		10.9
Error degrees of freedom		30	30	30	30	30	30	30	30		30
CV (%)		8.2	10.4	5.7	8.1	12.0	14.1	10.5	12.2		10.2
R^2 (%)		69	74	86	76	84	29	58	57		67

[1]All are released varieties.

Table 7. Summary of 2-Year Yields for Maturity Group IV for the 2008 and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood Irr.	Delta avg.	Brooksville	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C4926	Hornbeck	53.9	53.9	47.4	47.4		50.6
R00-1194F (E)	Public	37.1	37.1	45.5	45.5		41.3
UA4805	Public	30.2	30.2	41.0	41.0		35.6
Overall Mean		40.4	40.4	44.7	44.7		42.5

[1]All are released varieties.

Table 8. Summary of 2-Year Yields for Maturity Group V for the 2008 and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood Irr.	Stoneville Irr.	Delta avg.	Brooksville	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C5025	Hornbeck	53.1	49.1	51.1	48.6	48.6		50.2
DB03-10440 (E)	Public	23.5	36.7	30.1	39.8	39.8		33.3
DB03-1381 (E)	Public	19.3	39.0	29.2	40.4	40.4		32.9
DB03-8416 (E)	Public	35.0	45.0	40.0	51.6	51.6		43.9
Jake	Public	38.1	43.6	40.8	46.8	46.8		42.8
Osage	Public	33.4	54.7	44.1	44.1	44.1		44.1
Ozark	Public	29.8	44.3	37.1	42.9	42.9		39.0
Overall Mean		33.2	44.6	38.9	44.9	44.9		40.9

[1](E) = Experimental.

Table 9. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2008 and 2009 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Delta avg.	Brooksville	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 42-M1 (E)	Armor	51.3	40.1	41.9	44.4	37.5	64.4	51.0		47.1
AG4303	Asgrow	48.9	41.2	51.1	47.1	40.3	77.3	58.8		51.7
AG4403	Asgrow	57.5	41.6	42.2	47.1	40.5	75.5	58.0		51.5
AG4404	Asgrow	58.2	29.3	39.3	42.3	27.9	55.3	41.6		42.0
AG4405	Asgrow	52.1	35.9	39.5	42.5	37.6	61.6	49.6		45.3
AG4605	Asgrow	57.4	34.8	44.0	45.4	39.8	62.8	51.3		47.8
AG4606	Asgrow	55.2	34.0	41.4	43.5	38.1	54.9	46.5		44.7
AG4703	Asgrow	55.1	37.6	43.9	45.5	35.3	70.5	52.9		48.5
DKB46-51	Asgrow	57.9	38.0	46.2	47.4	31.0	63.6	47.3		47.3
Channel 4551R Brand	Channel	57.0	40.6	47.1	48.2	42.8	71.0	56.9		51.7
RC 4417	Croplan Genetics	58.4	44.9	39.5	47.6	34.3	65.9	50.1		48.6
DG4150RR	Delta Grow	52.6	37.3	39.8	43.2	33.9	65.1	49.5		45.7
DK4560	Delta King	57.8	38.3	57.3	51.1	43.8	64.4	54.1		52.3
DG 32R46	Dyna-Gro	54.0	36.9	41.0	44.0	36.4	64.6	50.5		46.6
DG 33Y45	Dyna-Gro	49.1	42.2	46.5	45.9	43.0	65.5	54.2		49.3
DG 36C44	Dyna-Gro	57.5	32.1	40.4	43.3	38.6	66.1	52.3		46.9
DG 37F46	Dyna-Gro	54.8	32.6	43.2	43.5	43.6	59.8	51.7		46.8
ES 4333RR	Eagle Seed	53.3	37.0	43.4	44.6	39.0	63.5	51.2		47.2
HBK R3927	Hornbeck	45.4	43.4	43.2	44.0	32.4	50.7	41.5		43.0
HBK R4527	Hornbeck	56.3	46.3	43.1	48.6	45.0	67.7	56.4		51.7
MorSoy RT4485N (E)	MorSoy	54.5	45.3	36.7	45.5	32.2	59.6	45.9		45.7
NK S44-D5	NK Brand	55.5	35.5	45.3	45.4	40.0	60.6	50.3		47.4
NK S46-U6	NK Brand	53.5	39.3	50.6	47.8	40.2	69.8	55.0		50.7
94Y20	Pioneer	56.8	35.7	51.0	47.9	41.3	72.4	56.8		51.4
Progeny 4206RR	Progeny	60.5	42.3	37.5	46.8	37.7	61.1	49.4		47.8
Progeny 4508RR (E)	Progeny	59.1	36.0	36.7	43.9	41.3	67.8	54.6		48.2
Progeny 4606RR	Progeny	44.7	41.5	44.9	43.7	38.4	69.0	53.7		47.7
457.RCP	Schillinger	59.7	46.1	46.6	50.8	35.1	55.3	45.2		48.6
458.RCS (E)	Schillinger	58.9	42.5	41.6	47.7	35.4	68.3	51.9		49.3
TV46R15	Terral	56.1	35.9	43.2	45.1	33.3	56.3	44.8		45.0
TV46R19	Terral	42.1	44.7	47.6	44.8	35.9	55.3	45.6		45.1
Overall Mean		54.6	39.0	43.7	45.8	37.8	64.0	50.9		47.8

Table 10. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2008 and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood Irr.	Delta avg.	Brooksville	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
47G3 NRR	AgVenture	52.3	47.2	49.8	34.3	62.2	48.2		49.0
AG4703	Asgrow	62.9	45.7	54.3	32.7	69.5	51.1		52.7
AG4903	Asgrow	63.6	45.0	54.3	42.8	66.0	54.4		54.4
AG4907	Asgrow	59.5	51.3	55.4	35.7	67.4	51.6		53.5
DK 5068	Asgrow	64.5	54.9	59.7	43.9	66.7	55.3		57.5
DK4866	Asgrow	65.0	52.7	58.8	36.9	60.0	48.4		53.6
RC 4757	Croplan Genetics	61.7	44.6	53.1	35.7	67.1	51.4		52.3
RC 4877	Croplan Genetics	53.7	49.0	51.4	35.0	64.5	49.8		50.6
DG 4780RR	Delta Grow	55.3	51.9	53.6	34.7	59.8	47.3		50.5
DG 4870RR	Delta Grow	56.4	45.5	50.9	30.5	63.0	46.8		48.8
DG 4970RR	Delta Grow	56.9	46.3	51.6	37.4	69.9	53.6		52.6
DG4770RR	Delta Grow	61.4	44.2	52.8	31.9	67.7	49.8		51.3
DG4975LARR	Delta Grow	59.5	47.3	53.4	44.3	75.7	60.0		56.7
DK 4968	Delta King	59.9	52.0	55.9	30.8	73.5	52.1		54.0
DG 32P48	Dyna-Gro	62.8	44.4	53.6	38.6	58.3	48.4		51.0
DG 36Y48	Dyna-Gro	61.0	52.1	56.6	43.8	68.5	56.2		56.4
DG 37P49	Dyna-Gro	63.7	43.3	53.5	44.1	65.3	54.7		54.1
ES 4777	Eagle Seed	55.5	48.3	51.9	40.0	68.7	54.3		53.1
ES 4818	Eagle Seed	55.8	48.6	52.2	41.4	71.3	56.3		54.3
ES 4906	Eagle Seed	54.4	49.7	52.0	39.5	68.6	54.1		53.0
ES 4991	Eagle Seed	52.1	41.9	47.0	33.2	63.4	48.3		47.6
HBK R4727	Hornbeck	53.6	50.4	52.0	28.9	68.9	48.9		50.4
HBK R4924	Hornbeck	60.0	50.1	55.0	44.0	66.9	55.5		55.2
MorSoy RT4707N	MorSoy	57.5	47.3	52.4	31.8	71.2	51.5		52.0
MorSoy RT4914N (E)	MorSoy	58.7	44.3	51.5	37.3	71.1	54.2		52.8
MorSoy RT4955N (E)	MorSoy	60.8	53.1	56.9	41.4	68.8	55.1		56.0
NK S49-W6	NK Brand	57.1	46.5	51.8	30.6	61.1	45.9		48.8
94Y70	Pioneer	63.8	47.5	55.6	37.3	62.4	49.9		52.7
94M80	Pioneer	60.3	47.5	53.9	41.3	68.1	54.7		54.3
94Y90	Pioneer	56.2	47.0	51.6	37.4	68.4	52.9		52.2
P4807RR	Progeny	57.2	46.8	52.0	33.5	62.7	48.1		50.0
Progeny 4706RR	Progeny	55.8	43.2	49.5	36.3	68.0	52.2		50.8
Progeny 4906RR	Progeny	59.8	43.9	51.8	44.7	71.6	58.2		55.0
Progeny 4908RR (E)	Progeny	56.5	49.1	52.8	52.6	71.9	62.3		57.5
Progeny 4949RR	Progeny	59.8	53.1	56.5	40.3	65.0	52.6		54.6
478.RCS	Schillinger	64.2	44.8	54.5	26.2	71.1	48.7		51.6
495.RC	Schillinger	56.7	47.1	51.9	35.0	71.2	53.1		52.5
4782-4	Stine	63.1	47.5	55.3	35.1	59.8	47.4		51.4
TV47R18	Terral	58.9	52.9	55.9	36.2	57.8	47.0		51.4
TV49R17	Terral	55.7	52.4	54.0	37.0	64.7	50.8		52.4
TV49R19	Terral	53.6	48.5	51.1	35.5	56.7	46.1		48.6
USG 74A91	USG	59.5	46.1	52.8	45.6	64.5	55.1		53.9
USG 74F96	USG	56.6	47.1	51.8	41.3	70.4	55.9		53.9
Overall Mean		58.7	48.0	53.3	37.6	66.5	52.0		52.7

[1](E) = Experimental.

Table 11. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2008 and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood Irr.	Stoneville Irr.	Delta avg.	Brooksville	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 568RR	AgSouth	51.8	42.6	49.6	48.0	42.6	72.3	57.4		51.8
AV 50X6RR	AgVenture	60.4	41.2	51.9	51.2	37.9	67.7	52.8		51.8
AV 51X5RR	AgVenture	59.2	32.1	45.6	45.6	35.2	69.6	52.4		48.3
AV 54X4RR	AgVenture	52.8	45.2	48.0	48.7	49.2	79.3	64.2		54.9
AG5405	Asgrow	62.2	30.3	43.8	45.4	34.4	74.1	54.2		48.9
AG5503	Asgrow	63.3	46.6	51.2	53.7	46.2	72.9	59.6		56.0
AG5504	Asgrow	47.8	31.4	41.2	40.1	40.3	77.7	59.0		47.7
AG5606	Asgrow	57.8	41.5	50.7	50.0	50.5	78.0	64.3		55.7
DK 5068	Asgrow	58.2	38.0	54.3	50.2	37.3	75.5	56.4		52.6
DP 5335RR/S	Asgrow	50.2	34.3	50.6	45.0	40.3	63.9	52.1		47.9
RC 5007	Croplan Genetics	56.0	30.7	48.8	45.2	40.1	77.1	58.6		50.5
DG 5170RR	Delta Grow	54.5	43.6	44.5	47.6	31.8	62.6	47.2		47.4
DG 5280RR	Delta Grow	58.0	36.6	48.2	47.6	36.2	73.8	55.0		50.6
DG 5450RR	Delta Grow	43.4	35.2	39.9	39.5	45.3	79.3	62.3		48.6
DG 5555RR	Delta Grow	51.9	45.3	49.8	49.0	53.5	74.7	64.1		55.0
DG5160RR	Delta Grow	50.7	41.8	50.3	47.6	40.0	75.4	57.7		51.6
DG5300RR	Delta Grow	50.2	31.7	47.8	43.2	37.7	76.0	56.9		48.7
Armor GP-500	Armor	59.1	28.5	45.9	44.5	41.2	70.1	55.6		49.0
Armor GP-533	Armor	54.2	44.1	42.8	47.1	50.7	75.4	63.0		53.4
DK 52K6	Delta King	50.2	39.6	45.8	45.2	47.0	75.4	61.2		51.6
DG 31R54	Dyna-Gro	52.0	33.2	38.0	41.0	39.6	70.5	55.0		46.6
DG 32A53	Dyna-Gro	54.3	38.7	46.9	46.6	40.9	77.4	59.2		51.6
DG 33B52	Dyna-Gro	52.6	37.8	47.2	45.9	40.9	70.4	55.6		49.8
DG 33X55	Dyna-Gro	51.7	38.6	48.4	46.2	47.2	71.1	59.1		51.4
DG 35F55	Dyna-Gro	53.6	45.6	52.4	50.5	55.5	72.3	63.9		55.9
ES 5121	Eagle Seed	48.9	40.4	42.3	43.9	48.3	74.9	61.6		51.0
ES XVT-19 (E)	Eagle Seed	40.5	35.8	43.7	40.0	39.9	71.0	55.4		46.2
ESXVT-155 (E)	Eagle Seed	58.7	36.5	44.9	46.7	37.1	75.8	56.4		50.6
HBK R5226	Hornbeck	52.6	39.7	48.8	47.0	46.4	79.3	62.9		53.4
HBK R5425	Hornbeck	34.2	39.5	45.9	39.8	47.9	69.1	58.5		47.3
HBK R5525	Hornbeck	51.6	45.8	48.1	48.5	42.6	78.2	60.4		53.2
MorSoy RT5168N (E)	MorSoy	56.6	41.9	54.2	50.9	40.8	74.3	57.5		53.6
MorSoy RT5388N (E)	MorSoy	49.2	37.9	49.2	45.4	38.3	81.8	60.1		51.3
MorSoy RT5688N (E)	MorSoy	56.0	44.9	54.2	51.7	52.8	76.9	64.9		57.0
NK S52-F2	NK Brand	54.0	39.6	41.3	45.0	40.3	82.6	61.4		51.5
95M50	Pioneer	57.4	46.3	45.4	49.7	42.9	71.2	57.1		52.6
95Y40	Pioneer	57.6	44.5	48.8	50.3	42.1	78.9	60.5		54.4
Progeny 5115RR	Progeny	50.6	40.0	50.4	47.0	40.5	74.5	57.5		51.2
Progeny 5218RR (E)	Progeny	57.5	35.4	49.6	47.5	42.2	69.3	55.8		50.8
Progeny 5622RR	Progeny	51.7	39.2	55.5	48.8	40.7	78.2	59.5		53.1
Progeny 5650RR	Progeny	45.4	44.4	50.7	46.9	51.0	78.5	64.8		54.0
557.RC	Schillinger	57.4	33.7	42.3	44.5	33.4	73.1	53.2		48.0
TV54R28	Terral	50.7	41.7	46.9	46.5	44.4	72.9	58.6		51.3
TV55R15	Terral	53.9	47.7	51.3	51.0	51.9	76.1	64.0		56.2
USG 7515nRS	USG	52.0	37.5	48.6	46.0	34.2	68.4	51.3		48.1
USG 75Z38	USG	58.8	37.1	50.7	48.9	37.7	72.1	54.9		51.3
Overall Mean		53.3	39.2	47.7	46.7	42.5	74.1	58.3		51.4

[1](E) = Experimental.

Table 12. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2008 and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS606RR	AGS	49.7	41.6	47.8	46.4	46.9	77.7	62.3		52.7
AG5905	Asgrow	48.5	36.5	51.1	45.4	47.7	81.3	64.5		53.0
DP5915RR	Asgrow	46.3	38.8	48.3	44.5	46.1	70.3	58.2		50.0
DG 5970RR	Delta Grow	50.4	43.3	52.0	48.6	51.1	79.8	65.4		55.3
DG 32B57	Dyna-Gro	48.2	40.3	41.9	43.5	46.5	75.6	61.1		50.5
DG 33C59	Dyna-Gro	54.5	41.0	53.4	49.6	49.4	72.7	61.1		54.2
HBK R5825	Hornbeck	48.1	41.8	49.4	46.4	38.5	70.0	54.3		49.6
95Y70	Pioneer	47.7	41.9	48.3	46.0	58.2	81.4	69.8		55.5
Progeny 5706RR	Progeny	53.0	45.2	54.6	50.9	51.5	84.4	68.0		57.7
TV57R16	Terral	50.9	39.0	42.7	44.2	46.8	69.8	58.3		49.9
TV59R16	Terral	57.8	47.7	53.8	53.1	49.6	70.0	59.8		55.8
USG 75Z98	USG	57.6	44.7	51.7	51.3	43.9	71.0	57.5		53.8
Overall Mean		51.1	41.8	49.6	47.5	48.0	75.3	61.7		53.2

[1]All are released varieties.

Table 13. Summary of 3-Year Yields for Maturity Group IV for the 2007, 2008, and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood Irr.	Delta avg.	Brooksville	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C4926	Hornbeck	57.9	57.9	41.6	41.6		49.8
UA4805	Public	36.2	36.2	40.3	40.3		38.3
Overall Mean		47.1	47.1	41.0	41.0		44.0

[1]All are released varieties.

Table 14. Summary of 3-Year Yields for Maturity Group V Early for the 2007, 2008, and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood Irr.	Stoneville Irr.	Delta avg.	Brooksville	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C5025	Hornbeck	58.9	54.0	56.5	40.6	40.6		51.2
DB03-10440 (E)	Public	30.4	42.6	36.5	35.8	35.8		36.3
DB03-1381 (E)	Public	29.2	47.5	38.4	35.4	35.4		37.4
DB03-8416 (E)	Public	44.5	50.9	47.7	44.2	44.2		46.6
Jake	Public	47.7	53.3	50.5	42.2	42.2		47.7
Osage	Public	44.7	59.5	52.1	40.9	40.9		48.4
Ozark	Public	36.8	50.3	43.6	36.9	36.9		41.3
Overal Mean		41.8	51.2	46.5	39.4	39.4		44.1

Table 15. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2007, 2008, and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Delta avg.	Brooksville	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG4403	Asgrow	59.4	15.1	42.5	39.0	37.4	62.8	50.1		43.4
AG4404	Asgrow	56.7	28.0	38.9	41.2	27.6	49.1	38.4		40.1
AG4405	Asgrow	55.4	17.2	39.9	37.5	37.2	55.4	46.3		41.0
AG4605	Asgrow	55.7	17.4	47.5	40.2	36.8	53.4	45.1		42.2
AG4703	Asgrow	57.9	12.1	43.6	37.9	35.0	60.8	47.9		41.9
DKB46-51	Asgrow	59.8	22.6	46.8	43.1	30.8	56.6	43.7		43.3
DG4150RR	Delta Grow	49.9	43.9	37.1	43.6	34.3	54.8	44.6		44.0
DG 32R46	Dyna-Gro	53.7	39.0	45.5	46.1	34.6	52.3	43.4		45.0
DG 33Y45	Dyna-Gro	51.2	46.6	46.0	47.9	37.6	54.8	46.2		47.2
DG 37F46	Dyna-Gro	57.5	44.2	45.6	49.1	41.4	48.6	45.0		47.4
HBK R3927	Hornbeck	46.6	30.5	42.8	40.0	34.7	48.6	41.6		40.6
HBK R4527	Hornbeck	62.2	48.8	46.8	52.6	42.5	56.2	49.3		51.3
MorSoy RT4485N (E)	MorSoy	53.8	46.0	36.6	45.5	30.7	50.5	40.6		43.5
NK S46-U6 Brand	NK Brand	56.9	22.9	49.3	43.0	41.0	58.4	49.7		45.7
Progeny 4206RR	Progeny	56.0	26.5	42.3	41.6	35.1	54.0	44.5		42.8
Progeny 4606RR	Progeny	44.8	32.6	45.7	41.0	36.3	57.2	46.8		43.3
457.RCP	Schillinger	58.8	45.2	46.6	50.2	33.9	46.5	40.2		46.2
TV46R15	Terral	56.9	25.9	45.2	42.7	32.6	48.6	40.6		41.9
Overall Mean		55.2	31.4	43.8	43.4	35.5	53.8	44.7		43.9

[1] (E) = Experimental.

Table 16. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2007, 2008, and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood Irr.	Delta avg.	Brooksville	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
47G3 NRR	AgVenture	52.0	46.9	49.4	33.0	49.7	41.4		45.4
AG4703	Asgrow	55.6	43.0	49.3	33.0	55.6	44.3		46.8
AG4903	Asgrow	62.5	48.3	55.4	39.6	51.4	45.5		50.5
DK4866	Asgrow	65.1	51.7	58.4	36.9	46.7	41.8		50.1
DG 4780RR	Delta Grow	56.5	52.0	54.2	32.8	48.8	40.8		47.5
DG 4970RR	Delta Grow	57.4	45.9	51.6	34.8	54.2	44.5		48.1
DG4770RR	Delta Grow	55.9	42.8	49.4	31.6	55.5	43.6		46.5
DG4975LARR	Delta Grow	62.2	49.6	55.9	42.4	58.3	50.4		53.1
DK 4968	Delta King	62.4	50.1	56.3	31.1	60.1	45.6		50.9
DG 36Y48	Dyna-Gro	58.9	53.5	56.2	41.1	52.9	47.0		51.6
DG 37P49	Dyna-Gro	61.8	46.4	54.1	41.8	52.5	47.2		50.6
HBK R4727	Hornbeck	53.2	49.5	51.3	29.5	53.7	41.6		46.5
HBK R4924	Hornbeck	59.0	50.0	54.5	40.5	52.5	46.5		50.5
MorSoy RT4707N	MorSoy	55.1	48.0	51.5	31.9	57.1	44.5		48.0
MorSoy RT4914N (E)	MorSoy	53.5	44.6	49.0	35.7	56.6	46.2		47.6
MorSoy RT4955N (E)	MorSoy	56.1	51.8	53.9	37.6	50.8	44.2		49.1
NK S49-W6	NK Brand	56.1	44.6	50.4	30.5	48.5	39.5		44.9
94M80	Pioneer	56.0	44.9	50.5	38.5	55.9	47.2		48.8
P4807RR	Progeny	56.3	49.3	52.8	33.3	49.4	41.4		47.1
Progeny 4706RR	Progeny	53.0	44.1	48.6	34.8	55.7	45.2		46.9
Progeny 4906RR	Progeny	62.6	48.2	55.4	40.9	54.1	47.5		51.5
Progeny 4949RR	Progeny	58.0	53.7	55.8	36.9	50.9	43.9		49.9
495.RC	Schillinger	53.5	50.3	51.9	34.5	57.2	45.9		48.9
TV47R18	Terral	61.4	51.4	56.4	36.5	46.1	41.3		48.8
TV49R17	Terral	56.3	51.1	53.7	36.2	49.0	42.6		48.1
Overall Mean		57.6	48.5	53.0	35.8	52.9	44.4		48.7

[1] (E) = Experimental.

Table 17. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2007, 2008, and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 568RR	AgSouth	57.0	46.7	56.6	53.4	36.4	58.2	47.3		51.0
DK 5068	Asgrow	59.9	44.5	56.3	53.6	32.8	55.8	44.3		49.9
DP 5335RR/S	Asgrow	54.0	40.9	52.2	49.0	36.0	47.9	42.0		46.2
RC 5007	Croplan Genetics	54.6	34.0	51.1	46.6	32.6	57.4	45.0		45.9
DG 5450RR	Delta Grow	44.0	40.1	46.2	43.4	37.8	61.7	49.7		46.0
DG5160RR	Delta Grow	50.7	40.7	50.2	47.2	34.9	53.5	44.2		46.0
DG 5555RR	Delta Grow	56.2	50.4	55.3	53.9	47.1	60.0	53.5		53.8
DG5300RR	Delta Grow	46.3	34.7	51.6	44.2	32.9	56.7	44.8		44.5
Armor GP-500	Armor	54.5	35.7	52.3	47.5	37.7	51.0	44.4		46.2
Armor GP-533	Armor	55.0	49.7	50.7	51.8	43.7	56.2	50.0		51.1
DK 52K6	Delta King	53.9	46.4	54.8	51.7	40.0	58.4	49.2		50.7
DG 31R54	Dyna-Gro	50.9	40.2	45.1	45.4	36.1	57.1	46.6		45.9
DG 32A53	Dyna-Gro	52.8	44.0	53.2	50.0	36.9	58.3	47.6		49.1
DG 33B52	Dyna-Gro	53.0	43.1	54.4	50.2	36.4	54.8	45.6		48.4
DG 33X55	Dyna-Gro	53.2	44.2	56.0	51.1	39.5	56.1	47.8		49.8
ESXVT-155 (E)	Eagle Seed	49.8	38.7	51.8	46.8	32.8	55.5	44.1		45.7
HBK R5226	Hornbeck	52.8	48.0	54.3	51.7	39.1	61.8	50.4		51.2
HBK R5425	Hornbeck	42.8	46.8	48.7	46.1	39.9	53.4	46.6		46.3
HBK R5525	Hornbeck	51.1	51.7	54.1	52.3	35.7	59.3	47.5		50.4
NK S52-F2	NK Brand	53.7	44.2	49.0	48.9	34.0	63.5	48.8		48.9
95M50	Pioneer	53.7	48.7	51.3	51.2	36.0	54.4	45.2		48.8
Progeny 5115RR	Progeny	51.7	45.6	50.6	49.3	37.0	53.6	45.3		47.7
Progeny 5650RR	Progeny	48.6	49.9	56.2	51.6	43.1	61.7	52.4		51.9
557.RC	Schillinger	51.9	37.0	49.1	46.0	28.8	51.6	40.2		43.7
TV55R15	Terral	57.6	55.2	57.8	56.8	45.3	60.1	52.7		55.2
Overall Mean		52.4	44.0	52.4	49.6	37.3	56.7	47.0		48.6

[1] (E) = Experimental.

Table 18. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2007, 2008, and 2009 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Delta avg.	Brooksville	Olive Branch	Hill avg.		Overall avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG5905	Asgrow	46.9	45.9	55.7	49.5	40.6	64.5	52.5		50.7
DG 5970RR	Delta Grow	50.9	50.8	55.7	52.5	43.5	62.9	53.2		52.7
DG 32B57	Dyna-Gro	40.9	43.0	48.5	44.1	40.3	57.5	48.9		46.0
DG 33C59	Dyna-Gro	55.8	54.3	58.8	56.3	44.3	55.3	49.8		53.7
HBK R5825	Hornbeck	45.1	45.4	51.9	47.5	34.1	53.3	43.7		46.0
Progeny 5706RR	Progeny	51.0	54.1	58.6	54.6	42.2	62.4	52.3		53.7
TV57R16	Terral	49.1	48.7	49.6	49.1	40.3	52.3	46.3		48.0
TV59R16	Terral	55.9	57.0	58.9	57.3	44.1	51.6	47.9		53.5
Overall Mean		49.5	49.9	54.7	51.4	41.2	57.5	49.3		50.5

[1]All are released varieties.

Location 1. MAFES Delta Branch, Stoneville

Location Summary

Both the irrigated and nonirrigated tests were planted into a stale seedbed with adequate soil moisture for germination. All plots quickly emerged to a good stand. Above-average rains during the month of May reduced plant growth and development. Timely irrigations in the irrigated test supplemented soil moisture, allowing for good yield potential. Heavy fall rains delayed harvest considerably and reduced seed quality to the point that all Group IV tests were abandoned. The nonirrigated tests were harvested in a timely manner without weather delays.

Soil type	**Sharkey clay**
Soil pH	**6.5**
Soil fertility	**P=H; K=H**
Fertilizer added	**None**
Herbicide applications	**Preemergence — Authority MTZ @ 10 oz/A; Dual II Magnum @ 1 pt/A; Gramoxone @ 1 qt/A (Nonirrigated on April 23 and Irrigated on April 25)**
	Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A + Ultra Blazer @ 6 oz/A on June 19 (Irrigated and Nonirrigated)
	Conventional Irrigated — Firstrate @ 0.6 oz/A + Select @ 10 oz/A + Classic 0.5 oz/A and Ultra Blazer @ 6 oz/A on June 19
	Layby — Conventional – Select @ 10 oz/A; Ultra Blazer @ 6 oz/A + Firstrate @ 0.3 oz/A on July 9; Roundup Ready (Irrigated Only) – Roundup Powermax @ 22 oz/A + Pursuit @ 1.44 oz/A on July 9.
Irrigation	**June 22, July 9, and August 19**
Planting date	**Group IV Roundup Ready Early and Late Nonirrigated – April 23**
	Group V Conventional – April 25
	Group V Roundup Ready Early and Late Irrigated – April 25
Harvest date	**Group IV Roundup Ready Early Nonirrigated – September 1**
	Group IV Roundup Ready Late Nonirrigated – September 10
	Group V Conventional – November 7
	Group V Roundup Ready Early and Late Irrigated – November 7

Rainfall Summary

	Inches
April	**2.97**
May	**13.42**
June	**0.27**
July	**8.65**
August	**1.41**
September	**5.06**
October	**15.51**
Total	**47.29**

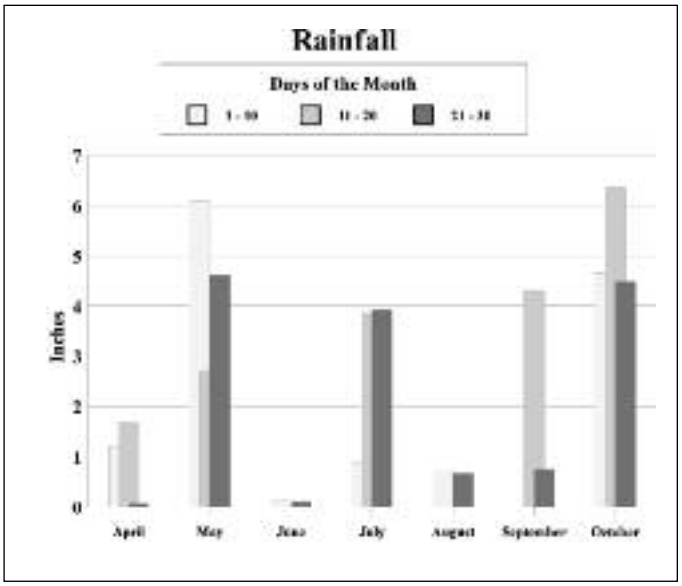

Table 19. Maturity Group V Conventional Irrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5706RR	Progeny	56.4	—	—	9/26	22	1
HBK C5528	Hornbeck	51.8	—	—	9/25	22	1
Progeny P5770	Progeny	51.7	—	—	9/22	16	1
MPG-X-55-1 (E)	Super Soy	48.9	—	—	9/18	20	1
DK 52K6	Delta King	48.6	—	—	9/22	15	1
Osage	Public	48.0	54.7	59.5	9/20	18	1
DB04-10836 (E)	Public	47.7	—	—	9/18	19	1
Freedom	Public	47.0	—	—	9/22	20	1
RUSHMORE 959RR	Merschman	45.3	—	—	9/25	17	1
R04-357 (E)	Public	45.2	—	—	9/21	16	1
N02-417 (E)	Public	45.1	—	—	9/22	16	1
Halo 5:65LL	US Seeds	44.5	—	—	9/23	16	1
HBK C5029	Hornbeck	43.5	—	—	9/19	24	1
HBK C5025	Hornbeck	42.9	49.1	54.0	9/20	38	2
Halo 5:25LL	US Seeds	42.5	—	—	9/19	18	1
DB03-8416 (E)	Public	42.1	45.0	50.9	9/19	15	1
SS-10L.51N	Super Soy	40.3	—	—	9/20	12	1
Ozark	Public	40.2	44.3	50.3	9/17	22	1
DB03-1381 (E)	Public	40.0	39.0	47.5	9/20	20	1
OLYMPUS 1051LL	Merschman	38.5	—	—	9/18	12	1
DB04-290 (E)	Public	38.1	—	—	9/18	19	1
Hutcheson	Public	35.9	—	—	9/21	14	1
S05-11268 (E)	Public	35.7	—	—	9/15	12	1
DB04-10997 (E)	Public	35.1	—	—	9/18	20	1
Jake	Public	34.5	43.6	53.3	9/18	15	1
S05-11482 (E)	Public	32.9	—	—	9/14	18	1
V98-2711	Public	31.5	—	—	9/15	13	1
DB03-10440 (E)	Public	26.4	36.7	42.6	9/17	16	1
DS95-217-1-880	Public	22.9	—	—	9/18	11	1
Overall Mean		41.6	44.6	51.2			
LSD (.10)		6.4					
Error degrees of freedom		48					
CV (%)		7.9					
R^2 (%)		90					

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

Table 20. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
Delta King DK 4560	Delta King	64.7	—	—	8/30	22	1
DKR 4744s	Delta King	61.2	—	—	9/1	23	1
TV46R19	Terral	57.3	—	—	8/28	27	1
Armor ARX 0431 (E)	Armor	57.1	—	—	8/30	19	1
DG 37F46	Dyna-Gro	55.8	—	—	8/29	24	1
NK S46-U6 Brand	NK Brand	55.1	—	—	8/31	24	1
AG4703	Asgrow	52.9	—	—	8/28	20	1
458.RCS (E)	Schillinger	52.6	—	—	8/31	21	1
USG 74C69	USG	51.9	—	—	8/28	26	1
DK DKX 0461 (E)	Delta King	51.8	—	—	8/31	18	1
TV46R15	Terral	50.9	—	—	8/26	26	1
HBK R4527	Hornbeck	50.1	—	—	8/26	23	1
Armor ARX 0432 (E)	Armor	48.6	—	—	8/30	20	1
AG4605	Asgrow	48.6	—	—	8/30	19	1
DKB46-51	Asgrow	48.4	—	—	8/26	18	1
USG 74A69	USG	48.1	—	—	8/27	17	1
HBK R3927	Hornbeck	47.8	—	—	8/24	18	1
S06-10572 (E)	Public	47.6	—	—	8/26	20	1
457.RCP	Schillinger	47.6	—	—	8/30	25	1
MorSoy RT4485N (E)	MorSoy	47.5	—	—	8/27	24	1
VPM 44X1	VP Maxx	47.0	—	—	8/26	20	1

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

Table 20 (cont.). Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y20	Pioneer	46.9	—	—	8/25	19	1
Armor 42-M1	Armor	46.1	—	—	8/28	16	1
AG4303	Asgrow	46.0	—	—	8/28	17	1
DG 4470RR/STS	Delta Grow	45.9	—	—	8/29	17	1
Terral-REV 45R10 (E)	Terral-REV	45.6	—	—	8/28	23	1
AG4403	Asgrow	45.3	—	—	8/26	23	1
AG4606	Asgrow	43.9	—	—	8/27	22	1
Progeny 4508RR (E)	Progeny	43.7	—	—	8/24	21	1
Progeny 4206RR	Progeny	43.6	—	—	8/27	17	1
Terral-REV 44R11 (E)	Terral-REV	42.7	—	—	5/27	24	1
DG 32R46	Dyna-Gro	42.4	—	—	8/29	16	1
Channel 4551R Brand	Channel	41.7	—	—	8/27	17	1
AV 45x5RR	AgVenture	41.5	—	—	8/28	23	1
NK S44-D5 Brand	NK Brand	41.5	—	—	8/30	20	1
Terral-REV 46R11 (E)	Terral-REV	41.1	—	—	8/28	19	1
RC 4417	Croplan Genetics	41.0	—	—	8/29	17	1
AG4405	Asgrow	40.8	—	—	8/25	20	1
94Y01	Pioneer	40.0	—	—	8/23	19	1
DG 33Y45	Dyna-Gro	39.9	—	—	8/29	18	1
Progeny 4606RR	Progeny	39.8	—	—	8/29	18	1
DG4150RR	Delta Grow	39.7	—	—	8/25	20	1
AG4404	Asgrow	39.2	—	—	8/26	18	1
DG 36C44	Dyna-Gro	39.2	—	—	8/28	14	1
ES 4333RR	Eagle Seed	38.9	—	—	8/26	16	1
AG4005	Asgrow	38.6	—	—	8/30	21	1
Progeny P3909RR (E)	Progeny	34.4	—	—	8/25	16	1
Overall Mean		46.3	—	—			
LSD (.10)		10.6					
Error degrees of freedom		91					
CV (%)		16.9					
R^2 (%)		51					

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

Table 21. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y80	Pioneer	75.0	—	—	8/31	23	1
DK 5068	Asgrow	73.1	—	—	9/4	22	1
95Y01	Pioneer	69.3	—	—	9/4	24	1
Terral-REV 49R21 (E)	Terral-REV	68.1	—	—	9/7	38	1
499.RC	Schillinger	67.8	—	—	9/5	27	1
Terral-REV 49R10 (E)	Terral-REV	66.4	—	—	8/30	27	1
HBK R4924	Hornbeck	66.1	—	—	9/2	23	1
Terral-REV 49R20 (E)	Terral-REV	65.8	—	—	9/2	23	1
USG 74A91	USG	65.2	—	—	8/31	23	1
MorSoy RT4914N (E)	MorSoy	65.1	—	—	9/3	25	1
DG 35Z49	Dyna-Gro	64.9	—	—	9/4	26	1
TV49R17	Terral	64.9	—	—	9/2	27	1
HBK R4729	Hornbeck	64.5	—	—	8/31	19	1
DG 37P49	Dyna-Gro	64.4	—	—	9/4	26	1
AG4903	Asgrow	64.2	—	—	9/5	19	1
DG4975LARR	Delta Grow	64.0	—	—	8/31	25	1
DG 4970RR	Delta Grow	63.5	—	—	9/8	21	1
USG 74A79	USG	63.5	—	—	9/4	16	1
ES 4931RR	Eagle Seed	63.2	—	—	9/5	23	1
MorSoy RT4955N (E)	MorSoy	62.7	—	—	6/4	20	1
4880.RC	Schillinger	62.5	—	—	9/5	29	1
DG 4790RR2	Delta Grow	62.4	—	—	9/2	18	1

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

Table 21 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
DG V49N6RR	Dyna-Gro	61.9	—	—	6/5	20	1
Armor 47-G10	Armor	61.0	—	—	8/30	27	1
ES 4777	Eagle Seed	60.9	—	—	9/7	18	1
Delta King DK 4770	Delta King	60.8	—	—	8/27	24	1
USG 74F96	USG	60.4	—	—	9/4	22	1
JG 482 (E)	JGL	60.2	—	—	8/29	19	1
AG4907	Asgrow	59.8	—	—	9/3	22	1
DK 4968	Delta King	59.8	—	—	8/30	19	1
Progeny 4949RR	Progeny	59.6	—	—	9/6	22	1
JG 481 (E)	JGL	59.4	—	—	8/26	20	1
4990.RC	Schillinger	58.8	—	—	9/6	18	1
VPM 49X1	VP Maxx	58.8	—	—	9/2	21	1
Channel 4851R Brand	Channel	58.7	—	—	9/2	20	1
DG 4780RR	Delta Grow	58.5	—	—	9/4	23	1
ES 4818	Eagle Seed	58.5	—	—	9/4	27	1
495.RC	Schillinger	58.5	—	—	9/5	20	1
DG 32P48	Dyna-Gro	58.2	—	—	9/2	23	1
DG 4870RR	Delta Grow	57.3	—	—	9/1	22	1
Progeny 4706RR	Progeny	57.1	—	—	8/27	19	1
TV47R18	Terral	57.0	—	—	8/30	25	1
DG 36Y48	Dyna-Gro	56.4	—	—	9/4	21	1
ES 4922RR	Eagle Seed	56.4	—	—	9/7	30	1
94Y90	Pioneer	56.4	—	—	9/30	24	1
AV EXA49B (E)	AgVenture	56.3	—	—	9/3	16	1
TV49R19	Terral	56.1	—	—	9/2	24	1
USG 74A76	USG	56.1	—	—	8/26	19	1
RC 4877	Croplan Genetics	56.0	—	—	9/6	26	1
ES 4991	Eagle Seed	55.3	—	—	9/4	21	1
Armor ARX 0474 (E)	Armor	55.2	—	—	8/29	26	1
JG 483	JGL	54.9	—	—	9/1	20	1
Progeny 4906RR	Progeny	54.9	—	—	9/1	21	1
Armor ARX 0472 (E)	Armor	54.8	—	—	6/5	17	1
DK4866	Asgrow	54.6	—	—	9/1	18	1
MorSoy RTs4824	MorSoy	54.5	—	—	9/1	21	1
Armor 47-R33	Armor	54.2	—	—	6/4	16	1
DG V48N7RS	Dyna-Gro	54.0	—	—	8/31	18	1
Terral-REV 48R10 (E)	Terral-REV	54.0	—	—	8/31	19	1
NK S49-W6 Brand	NK Brand	53.8	—	—	9/4	23	1
S49-H7 Brand	NK Brand	53.6	—	—	8/31	20	1
AG4703	Asgrow	53.5	—	—	8/6	20	1
DG4770RR	Delta Grow	52.8	—	—	8/25	18	1
USG 74E88	USG	52.7	—	—	8/28	26	1
MorSoy RT4919N (E)	MorSoy	52.5	—	—	9/2	19	1
ES 4906	Eagle Seed	52.4	—	—	9/3	27	1
Progeny 4908RR (E)	Progeny	52.4	—	—	9/1	24	1
RC 4757	Croplan Genetics	52.1	—	—	9/3	20	1
HBK R4727	Hornbeck	51.8	—	—	9/3	20	1
47G3 NRR	AgVenture	51.0	—	—	9/6	22	1
94Y70	Pioneer	51.0	—	—	9/1	25	1
478.RCS	Schillinger	50.8	—	—	9/2	19	1
P4807RR	Progeny	50.5	—	—	9/4	23	1
Channel 4852R Brand	Channel	50.1	—	—	8/25	23	1
S06-3929 (E)	Public	49.6	—	—	8/28	20	1
4782-4	Stine	48.7	—	—	9/1	18	1
Terral-REV 49R11 (E)	Terral-REV	46.7	—	—	8/29	18	1
DG V47N9RS	Dyna-Gro	46.4	—	—	8/24	19	1
S48-C9 Brand	NK Brand	45.7	—	—	9/2	16	1
Terral-REV 47R21 (E)	Terral-REV	45.1	—	—	8/26	19	1
Terral-REV 47R11 (E)	Terral-REV	44.9	—	—	8/25	20	1
MorSoy RT4707N	MorSoy	43.0	—	—	9/2	24	1
Armor 47-F8	Armor	42.9	—	—	8/29	22	1
DPL 4690	DPL	41.7	—	—	8/28	22	1
Overall Mean		57.2	—	—			
LSD (.10)		8.7					
Error degrees of freedom		166					
CV (%)		11.3					
R^2 (%)		65					

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

Table 22. Roundup Ready Maturity Group V Early Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5622RR	Progeny	59.2	55.5	—	9/23	24	1
MorSoy RT5688N (E)	MorSoy	55.5	54.2	—	9/24	24	1
ES 5507RR	Eagle Seed	54.5	—	—	9/24	22	1
AGS 568RR	AgSouth	52.8	49.6	56.6	9/23	23	1
DK 5363	Delta King	50.8	—	—	9/21	26	1
AGS 554RR	AGS	50.3	—	—	9/20	17	1
TV52R79	Terral	50.2	—	—	9/22	15	1
AV 54X4RR	AgVenture	50.1	48.0	—	9/21	16	1
HBK R5425	Hornbeck	49.9	45.9	48.7	9/24	41	2
DG 33X55	Dyna-Gro	49.9	48.4	56.0	9/20	21	1
DG 35F55	Dyna-Gro	49.8	52.4	—	9/21	26	1
TV55R15	Terral	48.8	51.3	57.8	9/22	24	1
S54-M7 Brand	NK Brand	48.8	—	—	9/20	21	1
MorSoy RT5168N (E)	MorSoy	48.8	54.2	—	9/14	32	1
DK 5068	Asgrow	48.7	54.3	56.3	9/13	29	1
Progeny P5319RR (E)	Progeny	47.4	—	—	9/21	26	1
MorSoy RT5388N (E)	MorSoy	47.4	49.2	—	9/19	24	1
Progeny 5650RR	Progeny	47.4	50.7	56.2	9/24	20	1
HBK R5525	Hornbeck	47.2	48.1	54.1	9/22	20	1
AV 50X6RR	AgVenture	47.1	51.9	—	9/13	26	2
AG5606	Asgrow	47.1	50.7	—	9/20	20	1
ES 5656RR	Eagle Seed	46.9	—	—	9/21	18	1
USG 75Z38	USG	46.6	50.7	—	9/19	22	1
DG 5450RR	Delta Grow	46.4	39.9	46.2	9/24	20	1
HBK R5226	Hornbeck	46.4	48.8	54.3	9/21	23	1
DG5300RR	Delta Grow	46.2	47.8	51.6	9/18	22	1
DK 52K6	Delta King	46.2	45.8	54.8	9/22	18	1
RC 5419	Croplan Genetics	46.0	—	—	9/20	27	1
DG 5555RR	Delta Grow	45.9	49.8	55.3	9/21	27	1
Progeny 5115RR	Progeny	45.6	50.4	50.6	9/13	33	2
VPM 52A1	VP Maxx	45.4	—	—	9/16	21	1
RC 5007	Croplan Genetics	45.3	48.8	51.1	9/15	20	1
TV54R28	Terral	45.2	46.9	—	9/17	22	1
95Y30	Pioneer	44.9	—	—	9/19	18	1
TV55R20	Terral	44.8	—	—	9/20	22	1
Armor 53-Z5	Armor	44.8	—	—	9/21	20	1
DP 5335RR/S	Asgrow	44.8	50.6	52.2	9/14	26	2
Progeny 5218RR (E)	Progeny	44.4	49.6	—	9/20	26	1
ES 5519RR	Eagle Seed	44.3	43.7	—	9/22	28	1
DG 5280RR	Delta Grow	43.9	48.2	—	9/18	22	1
Progeny P5409RR (E)	Progeny	43.7	—	—	9/16	30	1
VPM 53A1	VP Maxx	43.5	—	—	9/18	30	1
Delta King GP-533	Delta King	43.4	42.8	50.7	9/19	20	1
HBK R5229	Hornbeck	43.2	—	—	9/18	22	1
95M50	Pioneer	43.2	45.4	51.3	9/20	24	1
DG 32A53	Dyna-Gro	43.0	46.9	53.2	9/19	14	1
DG5160RR	Delta Grow	43.0	50.3	50.2	9/12	24	1
USG 75M16	USG	43.0	—	—	9/18	25	1
NK S52-F2 Brand	NK Brand	42.7	41.3	49.0	9/20	19	1
DG 33B52	Dyna-Gro	42.6	47.2	54.4	9/20	20	1
AG5503	Asgrow	42.4	51.2	—	9/20	29	1
557.RC	Schillinger	42.2	42.3	49.1	9/20	18	1
DK5068 (Frogeye)	Delta King	42.1	—	—	9/12	24	2
Terral-REV 54R10 (E)	Terral-REV	42.0	—	—	9/20	24	2
ES 5555RR	Eagle Seed	42.0	44.9	51.8	9/17	19	1
Progeny P5309RR (E)	Progeny	41.9	—	—	9/20	30	2
95Y40	Pioneer	40.7	48.8	—	9/19	15	1
USG 7515nRS	USG	40.6	48.6	—	9/12	24	1
AV 51X5RR	AgVenture	40.4	45.6	—	9/13	24	1
Delta King GP-500	Delta King	39.8	45.9	52.3	9/15	22	1
ES 5370RR	Eagle Seed	39.7	—	—	9/21	34	1
AG5405	Asgrow	39.4	43.8	—	9/19	17	1
AG5504	Asgrow	39.3	41.2	—	9/19	15	1
Terral-REV 55R11 (E)	Terral-REV	39.1	—	—	9/19	19	1
5440.RC	Schillinger	39.0	—	—	9/19	16	1
USG 75M49	USG	39.0	—	—	9/18	15	1
RC 5663	Croplan Genetics	38.7	—	—	9/19	19	1
ES 5333RR	Eagle Seed	37.5	—	—	9/17	17	1

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

Table 22 (continued). Roundup Ready Maturity Group V Early Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG V51N7RS	Dyna-Gro	35.8	—	—	9/14	20	1
ES 5121	Eagle Seed	35.8	42.3	—	9/14	38	2
DG 31R54	Dyna-Gro	35.6	38.0	45.1	9/19	25	1
DG 5170RR	Delta Grow	33.3	44.5	—	9/12	21	1
S06-3027 (E)	Public	31.2	—	—	9/13	20	1
S06-3095 (E)	Public	30.1	—	—	9/12	23	1
Overall Mean		43.9	47.7	52.4			
LSD (.10)		6.6					
Error degrees of freedom		146					
CV (%)		7.9					
R^2 (%)		80					

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

Table 23. Roundup Ready Maturity Group V Late Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5706RR	Progeny	56.6	54.6	58.6	9/22	18	1
TV59R16	Terral	53.6	53.8	58.9	9/22	18	1
DG V59N8RR	Dyna-Gro	53.3	—	—	9/22	23	1
DG 33C59	Dyna-Gro	53.1	53.4	58.8	9/22	17	1
AGS 597	AGS	52.9	—	—	9/21	23	1
DG 5970RR	Delta Grow	50.7	52.0	55.7	9/22	18	1
USG 75Z98	USG	50.3	51.7	—	9/21	21	1
HBK R5825	Hornbeck	49.2	49.4	51.9	9/25	22	1
95Y70	Pioneer	49.2	48.3	—	9/21	25	1
AG5905	Asgrow	48.7	51.1	55.7	9/20	25	1
AGS 606RR	AGS	48.3	47.8	—	9/24	21	1
DP 5808RR	Asgrow	47.9	—	—	9/20	22	1
DG 32B57	Dyna-Gro	42.9	41.9	48.5	9/20	24	1
DP5915RR	Asgrow	42.9	48.3	—	9/22	21	1
DG 36N57	Dyna-Gro	39.9	—	—	9/18	15	1
TV57R16	Terral	36.9	42.7	49.6	9/20	24	1
Overall Mean		48.5	49.6	54.7			
LSD (.10)		5.5					
Error degrees of freedom		30					
CV (%)		5.7					
R^2 (%)		86					

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

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

Location Summary

Soybeans were planted into a stale seedbed prepared the previous fall. Heavy rains soon after planting reduced plant stands considerably, which forced a replant. Plots were replanted in mid-June with adequate soil moisture, and suitable stands were established. Temperatures were normal during the growing season. Soil moisture was maintained with timely irrigations; however, the late planting date in combination with heavy fall rains resulted in below-average yields.

Soil type	**Tunica clay loam**
Soil pH	**7.0**
Soil fertility	**P=H; K=H**
Fertilizer added	**None**
Herbicide applications	**Preemergence — Scepter @ 2.8 oz/A + Dual II Magnum @ 1 pt/A + Gramoxone @ 1 qt/A on June 17** **Postemergence — Roundup Powermax @ 22 oz/A on July 20** **Layby — Roundup Powermax @ 22 oz/A + Dual II Magnum @ 1 pt/A + Firstrate @ 0.3 oz/A on August 10**
Irrigation	**July 10, August 13, and August 21**
Planting date	**May 21 and replanted June 17**
Harvest date	**November 4**

Rainfall Summary

	Inches
May	**11.20**
June	**1.44**
July	**7.28**
August	**1.20**
September	**4.73**
October	**11.25**
Total	**37.10**

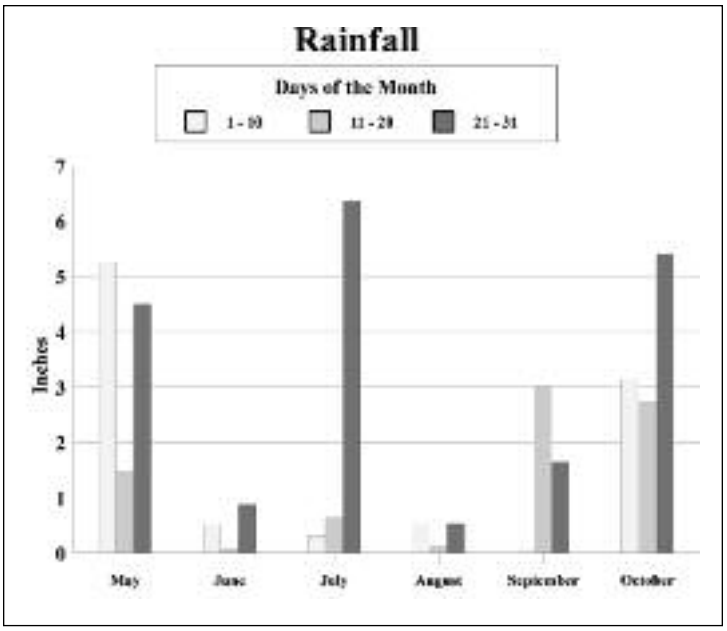

Table 24. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Terral-REV 45R10 (E)	Terral-REV	50.5	—	—	10/2	35	1
457.RCP	Schillinger	48.5	59.7	58.8	10/5	22	1
Armor ARX 0432 (E)	Armor	48.3	—	—	10/5	32	1
VPM 44X1	VP Maxx	47.6	—	—	10/2	27	1
94Y20	Pioneer	47.4	56.8	—	10/2	35	1
S06-10572 (E)	Public	47.4	—	—	10/1	36	1
Terral-REV 44R11 (E)	Terral-REV	47.0	—	—	10/1	34	1
RC 4417	Croplan Genetics	46.1	58.4	—	10/1	24	1
AG4404	Asgrow	45.8	58.2	56.7	10/1	26	1
DG 32R46	Dyna-Gro	45.4	54.0	53.7	10/6	32	1
USG 74A69	USG	45.1	—	—	10/6	28	1
DG 36C44	Dyna-Gro	45.0	57.5	—	10/5	35	1
TV46R15	Terral	44.7	56.1	56.9	10/1	34	1
458.RCS (E)	Schillinger	44.7	58.9	—	10/6	30	1
HBK R4527	Hornbeck	44.0	56.3	62.2	10/4	29	1
DKB46-51	Asgrow	44.0	57.9	59.8	10/1	33	1
Delta King DK 4560	Delta King	43.8	57.8	—	10/8	33	1
DG 37F46	Dyna-Gro	43.5	54.8	57.5	10/2	30	1
Progeny 4508RR (E)	Progeny	43.5	59.1	—	10/6	23	1
Armor ARX 0431 (E)	Armor	43.4	—	—	10/2	32	1
AG4703	Asgrow	43.4	55.1	57.9	10/2	34	1
Terral-REV 46R11 (E)	Terral-REV	43.3	—	—	10/6	32	1
DG 4470RR/STS	Delta Grow	42.9	—	—	10/6	29	1
DKR 4744s	Delta King	42.7	—	—	10/6	30	1
DK DKX 0461 (E)	Delta King	42.4	—	—	10/6	28	1
DG4150RR	Delta Grow	42.3	52.6	49.9	10/1	36	1
94Y01	Pioneer	42.0	—	—	10/1	31	1
MorSoy RT4485N (E)	MorSoy	41.1	54.5	53.8	10/1	30	1
Progeny 4206RR	Progeny	41.1	60.5	56.0	10/7	26	1
AG4606	Asgrow	40.9	55.2	—	10/1	33	1
ES 4333RR	Eagle Seed	39.9	53.3	—	10/2	32	1
AG4403	Asgrow	39.3	57.5	59.4	10/2	31	1
TV46R19	Terral	38.5	42.1	—	10/2	31	1
Channel 4551R Brand	Channel	38.3	57.0	—	10/1	28	1
AV 45x5RR	AgVenture	37.4	—	—	10/2	37	1
NK S44-D5 Brand	NK Brand	36.7	55.5	—	10/3	27	1
DG 33Y45	Dyna-Gro	35.9	49.1	51.2	10/3	29	1
AG4605	Asgrow	35.6	57.4	55.7	10/7	34	1
AG4303	Asgrow	35.2	48.9	—	10/5	34	1
HBK R3927	Hornbeck	34.8	45.4	46.6	10/2	30	1
Progeny P3909RR (E)	Progeny	34.7	—	—	10/2	34	1
USG 74C69	USG	34.2	—	—	10/2	37	1
AG4405	Asgrow	32.1	52.1	55.4	10/1	26	1
AG4005	Asgrow	30.9	—	—	10/1	28	1
NK S46-U6 Brand	NK Brand	30.8	53.5	56.9	10/8	36	1
Armor 42-M1	Armor	29.2	51.3	—	10/1	28	1
Progeny 4606RR	Progeny	26.6	44.7	44.8	10/6	33	1
Overall Mean		41.1	54.6	55.2			
LSD (.10)		15.7					
Error degrees of freedom		92					
CV (%)		19.9					
R^2 (%)		42					

[1]Tunica clay loam soil. (E) = Experimental.

Table 25. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor 47-R33	Armor	56.3	—	—	10/6	31	1
Armor ARX 0472 (E)	Armor	56.2	—	—	10/7	32	1
DG 4790RR2	Delta Grow	55.8	—	—	10/7	32	1
DK 5068	Asgrow	55.8	64.5	—	10/8	35	1
USG 74A79	USG	55.6	—	—	10/6	31	1
94Y80	Pioneer	53.6	60.3	56.0	10/6	38	3
Terral-REV 48R10 (E)	Terral-REV	53.3	—	—	10/6	36	1
Terral-REV 49R10 (E)	Terral-REV	52.7	—	—	10/12	43	1
JG 482 (E)	JGL	52.5	—	—	10/7	33	1
Terral-REV 47R11 (E)	Terral-REV	52.3	—	—	10/2	37	1
478.RCS	Schillinger	52.2	64.2	—	10/14	28	1
94Y70	Pioneer	51.6	63.8	—	10/5	32	1
DK4866	Asgrow	51.3	65.0	65.1	10/8	34	1
DG 32P48	Dyna-Gro	51.2	62.8	—	10/7	35	1
DK 4968	Delta King	51.1	59.9	62.4	10/6	34	1
4880.RC	Schillinger	51.1	—	—	10/9	35	1
DG4770RR	Delta Grow	51.0	61.4	55.9	10/2	33	1
AG4703	Asgrow	50.9	62.9	55.6	10/5	30	1
4990.RC	Schillinger	50.3	—	—	10/7	34	1
AG4903	Asgrow	50.1	63.6	62.5	10/8	37	1
Progeny 4949RR	Progeny	49.8	59.8	58.0	10/9	36	1
499.RC	Schillinger	49.6	—	—	10/9	37	1
4782-4	Stine	48.9	63.1	—	10/8	29	1
DG 37P49	Dyna-Gro	48.6	63.7	61.8	10/5	36	1
MorSoy RT4707N	MorSoy	48.1	57.5	55.1	10/8	39	1
MorSoy RT4914N (E)	MorSoy	47.9	58.7	53.5	10/13	36	1
Terral-REV 49R20 (E)	Terral-REV	47.9	—	—	10/8	38	1
Progeny 4906RR	Progeny	47.7	59.8	62.6	10/12	27	1
MorSoy RT4919N (E)	MorSoy	47.5	—	—	10/7	26	1
JG 483	JGL	47.4	—	—	10/7	33	1
Terral-REV 49R11 (E)	Terral-REV	47.3	—	—	10/6	31	3
Armor ARX 0474 (E)	Armor	47.1	—	—	10/8	34	1
HBK R4729	Hornbeck	47.1	—	—	10/6	29	1
DG V49N6RR	Dyna-Gro	47.0	—	—	10/9	35	1
DG 4970RR	Delta Grow	47.0	56.9	57.4	10/2	32	1
MorSoy RTs4824	MorSoy	46.7	—	—	10/7	33	1
Channel 4852R Brand	Channel	46.6	—	—	10/2	34	1
DG4975LARR	Delta Grow	46.4	59.5	62.2	10/7	35	1
95Y01	Pioneer	46.3	—	—	10/9	35	1
NK S49-W6 Brand	NK Brand	46.3	57.1	56.1	10/8	36	1
MorSoy RT4955N (E)	MorSoy	46.3	60.8	56.1	10/12	33	1
AG4907	Asgrow	46.2	59.5	—	10/8	38	1
VPM 49X1	VP Maxx	46.1	—	—	10/6	39	1
TV47R18	Terral	46.0	58.9	61.4	10/7	28	1
DG V48N7RS	Dyna-Gro	45.9	—	—	10/9	31	1
TV49R17	Terral	45.9	55.7	56.3	10/2	37	1
HBK R4924	Hornbeck	45.6	60.0	59.0	10/9	37	1
Delta King DK 4770	Delta King	45.1	—	—	10/7	34	1
DG 36Y48	Dyna-Gro	45.1	61.0	58.9	10/10	33	1
S48-C9 Brand	NK Brand	45.1	—	—	10/9	25	1
S49-H7 Brand	NK Brand	44.9	—	—	10/7	29	1
Channel 4851R Brand	Channel	44.8	—	—	10/7	35	1
RC 4757	Croplan Genetics	44.5	61.7	—	10/9	23	1
ES 4991	Eagle Seed	44.2	52.1	—	10/13	28	1
Armor 47-F8	Armor	44.1	—	—	10/12	25	1
Terral-REV 47R21 (E)	Terral-REV	43.9	—	—	10/1	33	1
Armor 47-G10	Armor	43.9	—	—	10/9	33	1
USG 74F96	USG	43.7	56.6	—	10/2	35	1
USG 74A91	USG	43.6	59.5	—	10/7	33	1
ES 4818	Eagle Seed	43.3	55.8	—	10/11	31	1
ES 4777	Eagle Seed	43.2	55.5	—	10/10	32	1
94Y90	Pioneer	43.0	56.2	—	10/1	30	1
S06-3929 (E)	Public	42.6	—	—	10/4	29	1
DG V47N9RS	Dyna-Gro	42.5	—	—	10/2	27	1
USG 74A76	USG	42.4	—	—	10/9	29	1
495.RC	Schillinger	42.3	56.7	53.5	10/9	23	1
Progeny 4706RR	Progeny	41.7	55.8	53.0	10/2	27	1
JG 481 (E)	JGL	41.3	—	—	10/5	29	1

[1]Tunica clay loam soil. (E) = Experimental.

Table 25 (continued). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
TV49R19	Terral	41.0	53.6	—	10/5	37	1
Progeny 4908RR (E)	Progeny	40.5	56.5	—	10/9	27	1
P4807RR	Progeny	40.4	57.2	56.3	10/10	27	1
ES 4906	Eagle Seed	40.2	54.4	—	10/12	28	1
ES 4922RR	Eagle Seed	39.6	—	—	10/18	26	1
DG 4870RR	Delta Grow	39.3	56.4	—	10/9	31	1
AV EXA49B (E)	AgVenture	39.3	—	—	10/11	28	1
DG 35Z49	Dyna-Gro	39.2	—	—	10/9	34	1
HBK R4727	Hornbeck	38.8	53.6	53.2	10/10	18	1
DPL 4690	DPL	38.1	—	—	10/12	29	1
DG 4780RR	Delta Grow	38.1	55.3	56.5	10/7	36	1
47G3 NRR	AgVenture	37.3	52.3	52.0	10/8	28	1
ES 4931RR	Eagle Seed	37.0	—	—	10/9	28	1
RC 4877	Croplan Genetics	36.8	53.7	—	10/6	26	1
USG 74E88	USG	33.7	—	—	10/5	31	1
Terral-REV 49R21 (E)	Terral-REV	33.6	—	—	10/14	33	2
Overall Mean		45.9	58.7	57.8			
LSD (.10)		12.1					
Error degrees of freedom		166					
CV (%)		13.7					
R^2 (%)		53					

[1]Tunica clay loam soil. (E) = Experimental.

Table 26. Roundup Ready Maturity Group V Early Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AV 50X6RR	AgVenture	56.8	60.4	—	10/8	29	1
DK 5068	Asgrow	53.9	58.2	59.9	10/7	31	1
ES 5656RR	Eagle Seed	53.3	—	—	10/16	40	1
AG5503	Asgrow	51.1	63.3	—	10/9	34	1
557.RC	Schillinger	50.5	57.4	51.9	10/10	29	1
MorSoy RT5168N (E)	MorSoy	50.4	56.6	—	10/7	37	1
RC 5007	Croplan Genetics	50.0	56.0	54.6	10/9	36	1
Terral-REV 54R10 (E)	Terral-REV	49.3	—	—	10/9	34	2
DG 5170RR	Delta Grow	49.2	54.5	—	10/7	33	1
VPM 53A1	VP Maxx	49.1	—	—	10/9	37	3
AV 51X5RR	AgVenture	48.5	59.2	—	10/9	46	1
NK S52-F2 Brand	NK Brand	48.3	54.0	53.7	10/12	32	1
ES 5121	Eagle Seed	47.9	48.9	—	10/9	26	1
DG V51N7RS	Dyna-Gro	47.1	—	—	10/9	36	1
Delta King GP-500	Delta King	46.6	59.1	54.5	10/15	35	2
S06-3095 (E)	Public	46.6	—	—	10/8	41	1
ES 5555RR	Eagle Seed	46.4	58.7	49.8	10/16	35	1
95M50	Pioneer	46.1	57.4	53.7	10/9	40	2
Progeny P5409RR (E)	Progeny	45.7	—	—	10/9	42	1
S06-3027 (E)	Public	45.6	—	—	10/9	45	2
TV55R20	Terral	45.5	—	—	10/15	37	1
TV55R15	Terral	44.8	53.9	57.6	10/22	28	1
DG 5280RR	Delta Grow	44.8	58.0	—	10/16	35	1
MorSoy RT5688N (E)	MorSoy	44.8	56.0	—	10/16	36	2
DG 35F55	Dyna-Gro	44.6	53.6	—	10/17	39	1
Progeny P5319RR (E)	Progeny	44.6	—	—	10/16	39	1
DG 5450RR	Delta Grow	44.6	43.4	44.0	10/17	37	1
DG 33X55	Dyna-Gro	44.4	51.7	53.2	10/16	36	1
DG 32A53	Dyna-Gro	44.4	54.3	52.8	10/12	36	2
AGS 554RR	AGS	44.0	—	—	10/16	33	1
Progeny 5115RR	Progeny	43.9	50.6	51.7	10/16	28	1
DG5300RR	Delta Grow	43.5	50.2	46.3	10/8	36	1
ES 5333RR	Eagle Seed	43.5	—	—	10/9	42	1

[1]Tunica clay loam soil. (E) = Experimental.

Table 26 (continued). Roundup Ready Maturity Group V Early Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DK 5363	Delta King	43.4	—	—	10/14	37	2
AGS 568RR	AgSouth	43.3	51.8	57.0	10/13	33	1
DG5160RR	Delta Grow	43.3	50.7	50.7	10/9	35	1
DG 31R54	Dyna-Gro	42.5	52.0	50.9	10/8	36	2
AG5405	Asgrow	42.4	62.2	—	10/9	33	1
AG5606	Asgrow	42.4	57.8	—	10/12	33	1
95Y40	Pioneer	42.1	57.6	—	10/8	33	2
Delta King GP-533	Delta King	42.1	54.2	55.0	10/4	33	2
ES 5370RR	Eagle Seed	42.0	51.7	—	10/16	33	1
Progeny 5622RR	Progeny	42.0	—	—	10/20	40	1
TV52R79	Terral	42.0	—	—	10/19	31	1
Terral-REV 55R11 (E)	Terral-REV	41.7	—	—	10/9	42	2
USG 75M49	USG	41.7	—	—	10/10	38	1
USG 75Z38	USG	41.6	58.8	—	10/17	37	1
95Y30	Pioneer	41.5	—	—	10/7	32	3
DK 52K6	Delta King	41.4	50.2	53.9	10/13	34	1
DG 33B52	Dyna-Gro	41.3	52.6	53.0	10/10	32	2
Armor 53-Z5	Armor	40.9	—	—	10/12	32	1
S54-M7 Brand	NK Brand	40.7	—	—	10/14	36	2
VPM 52A1	VP Maxx	40.7	—	—	10/15	39	1
USG 7515nRS	USG	40.6	52.0	—	10/8	33	1
USG 75M16	USG	40.2	—	—	10/9	35	1
5440.RC	Schillinger	39.8	—	—	10/8	29	1
Progeny 5218RR (E)	Progeny	39.6	57.5	—	10/18	31	1
AV 54X4RR	AgVenture	39.3	52.8	—	10/12	36	2
DG 5555RR	Delta Grow	39.1	51.9	56.2	10/10	39	2
RC 5419	Croplan Genetics	39.1	—	—	10/22	33	1
Progeny P5309RR (E)	Progeny	39.1	—	—	10/18	29	1
DP 5335RR/S	Asgrow	38.7	50.2	54.0	10/9	35	1
AG5504	Asgrow	38.5	47.8	—	10/12	31	1
TV54R28	Terral	38.4	50.7	—	10/21	31	1
RC 5663	Croplan Genetics	37.2	—	—	10/17	26	1
HBK R5226	Hornbeck	35.8	52.6	52.8	10/21	26	1
HBK R5425	Hornbeck	35.4	34.2	42.8	10/17	34	1
DK5068 (Frogeye)	Delta King	35.3	—	—	10/8	35	1
HBK R5525	Hornbeck	34.8	51.6	51.1	10/16	30	1
MorSoy RT5388N (E)	MorSoy	34.6	49.2	—	10/9	37	1
HBK R5229	Hornbeck	32.8	—	—	10/10	35	1
ES 5519RR	Eagle Seed	32.0	40.5	—	10/16	38	1
Progeny 5650RR	Progeny	31.3	45.4	48.6	10/19	34	2
ES 5507RR	Eagle Seed	31.3	—	—	10/20	37	1
Overall Mean		42.4	53.3	52.4			
LSD (.10)		9.4					
Error degrees of freedom		148					
CV (%)		11.6					
R^2 (%)		74					

[1]Tunica clay loam soil. (E) = Experimental.

Table 27. Roundup Ready Maturity Group V Late Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AGS 597	AGS	45.7	—	—	10/17	31	1
USG 75Z98	USG	43.5	57.6	—	10/18	28	1
DG 33C59	Dyna-Gro	43.2	54.5	55.8	10/16	31	1
Progeny 5706RR	Progeny	42.8	53.0	51.0	10/21	39	1
DG V59N8RR	Dyna-Gro	41.2	—	—	10/22	36	1
DP 5808RR	Asgrow	40.7	—	—	10/16	38	1
TV59R16	Terral	39.7	57.8	55.9	10/16	32	1
DG 32B57	Dyna-Gro	39.4	48.2	40.9	10/13	31	1
AGS 606RR	AGS	38.5	49.7	—	10/18	30	1
DG 36N57	Dyna-Gro	37.8	—	—	10/12	34	1
95Y70	Pioneer	37.5	47.7	—	10/17	37	1
AG5905	Asgrow	37.2	48.5	46.9	10/17	39	1
TV57R16	Terral	36.0	50.9	49.1	10/13	28	1
DG 5970RR	Delta Grow	35.5	50.4	50.9	10/21	37	1
DP5915RR	Asgrow	32.8	46.3	—	10/16	38	1
HBK R5825	Hornbeck	32.3	48.1	45.1	10/17	34	1
Overall Mean		38.9	51.1	49.5			
LSD (.10)		6.3					
Error degrees of freedom		30					
CV (%)		8.2					
R^2 (%)		69					

[1]Tunica clay loam soil. All are released varieties.

Location 2. Mattson Farms, Clarksdale (Nonirrigated)

Location Summary

Soybean plots were planted no-till into soybean stubble from the previous year. Temperatures during the growing season were normal. Below-average rainfall during June and early July reduced plant development and yield potential; however, good yields were still achieved in the Group IV early test. The Group IV late test was abandoned due to heavy fall rains, which delayed harvest to the point that seed quality was compromised.

Soil type	**Sharkey clay**
Soil pH	**6.7**
Soil fertility	**P=H; K=H**
Fertilizer added	**None**
Herbicide applications	**Preemergence — Authority MTZ @ 10 oz/A + Dual II Magnum @ 1 pt/A + Roundup Powermax @ 22 oz/A on April 24** **Postemergence — Roundup Powermax @ 22 oz/A + Ultra Blazer @ 6 oz/A on June 19**
Planting date	**April 24**
Harvest date	**September 8**

Rainfall Summary

	Inches
May	**11.20**
June	**1.44**
July	**7.28**
August	**1.20**
September	**4.73**
October	**11.25**
Total	**37.10**

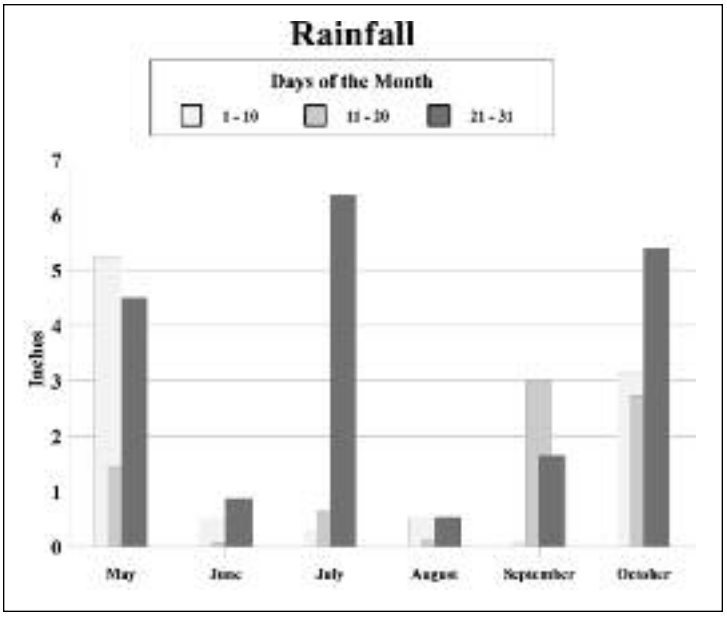

Table 28. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 74A69	USG	70.1	—	—	9/8	21	1
NK S46-U6 Brand	NK Brand	62.6	35.5	55.4	9/7	22	1
HBK R4527	Hornbeck	61.0	46.3	50.5	9/4	26	1
AG4606	Asgrow	60.1	50.8	—	9/3	25	1
DK DKX 0461 (E)	Delta King	58.5	—	—	9/7	20	1
DKR 4744s	Delta King	57.7	—	—	9/7	21	1
457.RCP	Schillinger	57.4	15.6	49.9	9/8	34	1
TV46R15	Terral	55.1	11.8	45.5	9/1	29	1
Terral-REV 45R10 (E)	Terral-REV	54.2	—	—	9/4	21	1
USG 74C69	USG	53.9	—	—	9/5	28	1
AG4703	Asgrow	53.1	44.0	48.8	9/4	15	1
Armor ARX 0432 (E)	Armor	52.3	—	—	9/4	15	1
Armor ARX 0431 (E)	Armor	51.5	—	—	9/5	22	1
Terral-REV 44R11 (E)	Terral-REV	51.5	—	—	9/2	22	1
DG 37F46	Dyna-Gro	51.4	38.2	—	9/6	28	1
RC 4417	Croplan Genetics	49.8	40.9	—	9/2	18	1
MorSoy RT4485N (E)	MorSoy	49.8	43.5	47.4	9/1	24	1
TV46R19	Terral	49.6	42.2	—	9/4	25	1
Delta King DK 4560	Delta King	49.4	44.6	—	9/7	18	1
S06-10572 (E)	Public	49.3	—	—	9/2	20	1
Armor 42-M1	Armor	48.9	42.2	—	9/5	18	1
458.RCS (E)	Schillinger	48.7	44.2	—	9/6	19	1
Progeny 4606RR	Progeny	48.4	44.3	47.2	9/6	17	1
Progeny 4508RR (E)	Progeny	48.2	40.7	—	9/2	20	1
NK S44-D5 Brand	NK Brand	48.1	40.5	—	9/5	22	1
VPM 44X1	VP Maxx	48.1	—	—	6/3	21	1
HBK R3927	Hornbeck	45.9	38.8	46.1	9/1	19	1
AG4403	Asgrow	45.7	39.6	43.9	9/1	22	1
AV 45x5RR	AgVenture	45.2	—	—	9/5	24	1
94Y20	Pioneer	44.7	40.6	—	9/1	17	1
AG4605	Asgrow	44.0	39.4	45.2	9/7	15	1
DG4150RR	Delta Grow	44.0	34.5	44.2	9/2	16	1
Terral-REV 46R11 (E)	Terral-REV	43.7	—	—	9/7	18	1
AG4405	Asgrow	42.3	39.4	46.6	9/1	22	1
ES 4333RR	Eagle Seed	42.1	35.1	—	9/1	16	1
DKB46-51	Asgrow	41.9	37.9	46.0	9/5	20	1
Channel 4551R Brand	Channel	40.5	35.1	—	9/4	18	1
DG 33Y45	Dyna-Gro	40.3	39.3	46.1	9/5	15	1
DG 32R46	Dyna-Gro	39.8	38.7	43.6	9/5	20	1
DG 36C44	Dyna-Gro	39.2	34.5	—	9/4	15	1
DG 4470RR/STS	Delta Grow	38.9	—	32.6	9/4	16	1
Progeny 4206RR	Progeny	37.3	38.4	44.1	9/5	21	1
AG4303	Asgrow	37.0	35.0	—	9/3	15	1
AG4404	Asgrow	36.4	30.6	39.0	9/4	16	1
AG4005	Asgrow	36.3	—	—	9/2	18	1
94Y01	Pioneer	35.9			8/28	15	1
Progeny P3909RR (E)	Progeny	34.8			9/3	21	1
Overall Mean		47.8	38.1	45.7			
LSD (.10)		6.9					
Error degrees of freedom		92					
CV (%)		10.9					
R^2 (%)		78.4					

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

Location 3. Todd Williams Farm, Olive Branch

Location Summary

Soybean plots were planted into a freshly prepared seedbed. Soil moisture was excellent at planting, resulting in quick, uniform germination. Temperatures were near normal during the growing season. Rainfall after planting was above average, followed by dry conditions. Late-summer rains greatly enhanced yield potential, and above-average yields were obtained. Late-season rains delayed harvest slightly but had no affect on yield or seed quality.

Soil type	**Collins silt loam**
Soil pH	**5.9**
Soil fertility	**P=H; K=H**
Fertilizer added	**P_2O_5 @ 130 lb/A + K_2O @ 150 lb/A**
Herbicide applications	**Preemergence — Authority MTZ @ 10 oz/A + Dual II Magnum @ 1 pt/A on May 20**
	Postemergence — Roundup Powermax @ 22 oz/A + Pursuit @ 1.4 oz/A on June 30
Planting date	**May 20**
Harvest date	**November 3**

Rainfall Summary

	Inches
May	9.16
June	2.81
July	3.21
August	0.77
September	8.79
October	7.96
Total	32.70

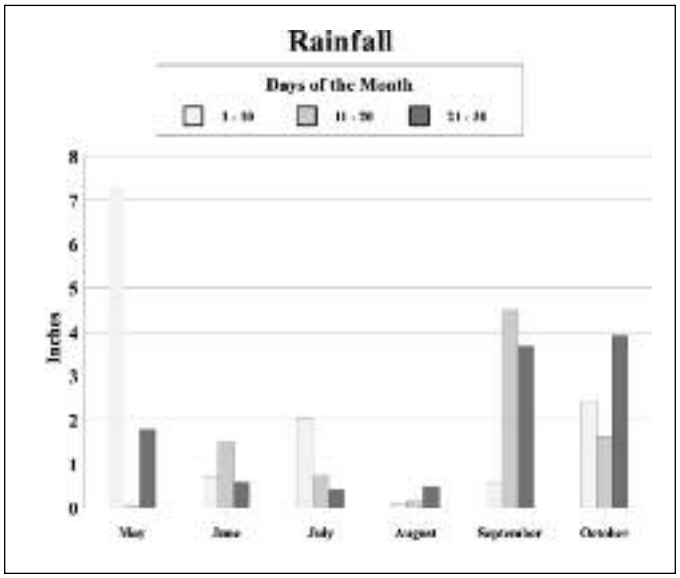

Table 29. Roundup Ready Maturity Group IV Early Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 4470RR/STS	Delta Grow	85.8	—	—	9/25	36	1
AG4303	Asgrow	85.6	77.3	—	9/23	33	1
AG4403	Asgrow	82.3	75.5	62.8	9/24	39	1
458.RCS (E)	Schillinger	80.8	68.3	—	9/24	37	1
USG 74A69	USG	80.0	—	—	9/25	40	2
NK S46-U6 Brand	NK Brand	77.7	69.8	58.4	9/21	41	2
Channel 4551R Brand	Channel	76.2	71.0	—	9/23	38	2
AG4703	Asgrow	75.7	70.5	60.8	9/25	38	2
Terral-REV 45R10 (E)	Terral-REV	75.5	—	—	9/23	41	1
HBK R4527	Hornbeck	75.2	67.7	56.2	9/21	41	2
94Y20	Pioneer	74.9	72.4	—	9/26	39	2
DKR 4744s	Delta King	74.6	—	—	9/27	38	1
Progeny 4606RR	Progeny	74.0	69.0	57.2	9/26	32	1
Progeny 4508RR (E)	Progeny	73.6	67.8	—	9/26	39	1
VPM 44X1	VP Maxx	73.6	—	—	9/26	41	2
DK DKX 0461 (E)	Delta King	73.2	—	—	9/27	38	1
ES 4333RR	Eagle Seed	72.7	63.5	—	9/23	41	3
DG 36C44	Dyna-Gro	72.0	66.1	—	9/23	32	1
Armor 42-M1	Armor	71.5	64.4	—	9/21	32	1
Armor ARX 0432 (E)	Armor	70.4	—	—	9/26	38	1
RC 4417	Croplan Genetics	70.1	65.9	—	9/23	40	2
AG4605	Asgrow	70.0	62.8	53.4	9/23	37	1
AV 45x5RR	AgVenture	69.9	—	—	9/25	40	1
DG 32R46	Dyna-Gro	69.9	64.6	52.3	9/26	32	1
DG 33Y45	Dyna-Gro	68.9	65.5	54.8	9/23	37	1
Terral-REV 44R11 (E)	Terral-REV	68.7	—	—	9/27	40	2
AG4405	Asgrow	68.3	61.6	55.4	9/22	37	2
Armor ARX 0431 (E)	Armor	67.9	—	—	9/25	39	1
NK S44-D5 Brand	NK Brand	65.8	60.6	—	9/23	35	1
Progeny 4206RR	Progeny	65.8	61.1	54.0	9/25	32	1
Progeny P3909RR (E)	Progeny	65.7	—	—	9/15	35	1
DKB46-51	Asgrow	65.3	63.6	56.6	9/25	39	2
DG 37F46	Dyna-Gro	64.5	59.8	48.6	9/26	41	2
DG4150RR	Delta Grow	64.3	65.1	54.8	9/23	37	2
MorSoy RT4485N (E)	MorSoy	63.2	59.6	50.5	9/23	41	2
Delta King DK 4560	Delta King	59.9	64.4	—	9/21	41	1
94Y01	Pioneer	57.0	—	—	9/15	35	1
USG 74C69	USG	56.8	—	—	9/23	44	2
AG4005	Asgrow	56.2	—	—	9/15	34	1
TV46R19	Terral	55.4	55.3	—	9/21	40	1
457.RCP	Schillinger	55.3	55.3	46.5	9/23	42	2
TV46R15	Terral	55.0	56.3	48.6	9/22	44	1
Terral-REV 46R11 (E)	Terral-REV	54.5	—	—	9/23	39	2
AG4606	Asgrow	53.0	54.9	—	9/23	39	1
S06-10572 (E)	Public	53.0	—	—	9/28	38	3
AG4404	Asgrow	52.9	55.3	49.1	9/23	32	1
HBK R3927	Hornbeck	45.6	50.7	48.6	9/21	44	2
Overall Mean		67.7	64.1	53.8			
LSD (.10)		13.2					
Error degrees of freedom		92					
CV (%)		10.1					
R^2 (%)		77					

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

Table 30. Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG4975LARR	Delta Grow	81.3	75.7	58.3	9/30	43	1
4990.RC	Schillinger	80.4	—	—	9/29	40	1
4880.RC	Schillinger	78.6	71.1	—	9/27	40	2
Progeny 4906RR	Progeny	77.8	68.0	55.7	9/27	41	2
Progeny 4908RR (E)	Progeny	76.5	71.6	54.1	9/28	41	2
ES 4777	Eagle Seed	76.0	—	—	9/30	42	2
Terral-REV 49R20 (E)	Terral-REV	75.2	—	—	9/21	33	1
Progeny 4949RR	Progeny	74.5	71.9	—	9/26	48	1
AG4703	Asgrow	74.2	69.5	55.6	9/27	38	1
ES 4922RR	Eagle Seed	73.2	68.6	—	9/30	47	1
ES 4931RR	Eagle Seed	73.0	—	—	9/30	41	3
Terral-REV 49R10 (E)	Terral-REV	73.0	—	—	9/29	38	2
DG4770RR	Delta Grow	72.9	67.7	55.5	9/30	45	2
499.RC	Schillinger	72.8	71.2	57.2	9/30	41	2
495.RC	Schillinger	72.5	—	—	9/30	46	3
JG 482 (E)	JGL	72.3	—	—	9/27	39	1
HBK R4729	Hornbeck	71.7	68.9	53.7	9/27	42	2
Terral-REV 49R21 (E)	Terral-REV	71.4	—	—	9/28	41	2
ES 4818	Eagle Seed	71.3	68.7	—	9/30	41	2
DG V49N6RR	Dyna-Gro	71.3	—	—	9/29	44	2
94Y90	Pioneer	71.2	68.1	55.9	9/26	44	2
95Y01	Pioneer	70.8	68.4	—	9/26	38	2
DK 4968	Delta King	70.7	73.5	60.1	9/28	42	2
4782-4	Stine	70.6	—	—	9/26	35	1
MorSoy RT4914N (E)	MorSoy	70.5	71.2	57.1	9/30	43	2
ES 4906	Eagle Seed	70.3	71.3	—	9/30	40	2
TV49R19	Terral	70.3	64.7	49.0	9/28	42	1
USG 74F96	USG	70.1	—	—	9/28	38	1
Armor 47-R33	Armor	69.8	—	—	9/27	38	1
NK S49-W6 Brand	NK Brand	69.7	—	—	9/28	42	1
MorSoy RT4919N (E)	MorSoy	69.5	71.1	56.6	9/26	38	1
DG 4870RR	Delta Grow	69.5	63.0	—	9/30	43	1
MorSoy RT4955N (E)	MorSoy	69.0	—	—	9/27	42	2
S49-H7 Brand	NK Brand	68.6	—	—	9/29	41	1
94Y80	Pioneer	68.4	62.4	—	9/26	41	1
USG 74A79	USG	68.2	—	—	9/29	41	1
DG 32P48	Dyna-Gro	68.2	—	—	9/25	38	1
AG4907	Asgrow	67.8	67.4	—	9/27	41	1
Armor ARX 0472 (E)	Armor	67.6	—	—	9/27	38	2
Armor ARX 0474 (E)	Armor	67.6	—	—	9/29	40	2
JG 483	JGL	67.5	—	—	9/21	38	1
HBK R4924	Hornbeck	67.5	—	—	9/28	47	2
AV EXA49B (E)	AgVenture	67.3	—	—	9/27	35	2
S48-C9 Brand	NK Brand	66.6	61.1	48.5	9/29	42	1
Delta King DK 4770	Delta King	66.4	—	—	9/29	47	2
DG 4970RR	Delta Grow	66.0	69.9	54.2	9/18	38	2
RC 4757	Croplan Genetics	65.9	67.1	—	9/26	31	1
Armor 47-G10	Armor	65.4	—	—	9/29	40	1
AG4903	Asgrow	65.3	66.0	51.4	9/30	47	2
DG 36Y48	Dyna-Gro	64.2	—	—	9/27	40	2
94Y70	Pioneer	64.0	—	—	9/23	41	2
VPM 49X1	VP Maxx	63.9	70.4	—	9/26	39	1
Channel 4851R Brand	Channel	63.8	—	—	9/29	43	2
HBK R4727	Hornbeck	63.5	63.4	—	9/26	42	1
MorSoy RTs4824	MorSoy	63.0	68-.8	50.8	9/25	41	1
RC 4877	Croplan Genetics	62.6	64.5	—	9/27	42	1
478.RCS	Schillinger	62.6	—	—	9/30	41	2
DG 37P49	Dyna-Gro	62.4	68.5	52.9	9/26	30	1
Terral-REV 47R21 (E)	Terral-REV	62.3	—	—	9/27	41	1
DG 4790RR2	Delta Grow	62.3	—	—	9/23	38	1
S06-3929 (E)	Public	61.8	65.0	50.9	9/29	41	1
Terral-REV 48R10 (E)	Terral-REV	61.3	—	—	9/30	40	2
DK 5068	Asgrow	60.8	66.7	—	9/27	38	2
Terral-REV 47R11 (E)	Terral-REV	60.5	56.7	—	9/29	49	1
Progeny 4706RR	Progeny	60.3	62.7	49.4	9/20	34	2
MorSoy RT4707N	MorSoy	60.2	—	—	9/28	36	2
47G3 NRR	AgVenture	59.8	62.2	49.7	9/27	44	3
Terral-REV 49R11 (E)	Terral-REV	59.7	—	—	9/25	38	1

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

Table 30 (continued). Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG V48N7RS	Dyna-Gro	58.0	—	—	9/21	37	2
Channel 4852R Brand	Channel	57.9	—	—	9/29	40	1
DK4866	Asgrow	57.9	60.0	46.7	9/27	36	2
P4807RR	Progeny	57.7	—	—	9/27	41	1
USG 74A76	USG	57.6	—	—	9/27	42	1
ES 4991	Eagle Seed	57.4	—	—	9/27	40	1
DG V47N9RS	Dyna-Gro	56.8	65.3	52.5	9/30	46	1
USG 74A91	USG	56.8	—	—	9/26	39	1
Armor 47-F8	Armor	56.1	—	—	9/25	34	1
TV49R17	Terral	56.0	57.8	46.1	9/27	47	2
DG 35Z49	Dyna-Gro	55.9	58.3	—	9/26	41	1
TV47R18	Terral	54.3	59.8	—	9/26	42	2
DG 4780RR	Delta Grow	53.7	59.8	48.8	9/25	41	1
JG 481 (E)	JGL	53.0	66.9	52.5	9/26	39	1
USG 74E88	USG	51.3	64.5	—	9/27	39	1
Overall Mean		66.1	66.5	52.9			
LSD (.10)		18.3					
Error degrees of freedom		163					
CV (%)		14.5					
R^2 (%)		50					

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

Table 31. Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5504	Asgrow	89.5	77.7	—	10/2	39	1
AGS 554RR	AGS	88.9	—	—	10/7	40	1
MorSoy RT5388N (E)	MorSoy	88.2	81.8	—	10/1	35	1
NK S52-F2 Brand	NK Brand	88.0	82.6	—	10/1	35	1
DK 5363	Delta King	83.9	—		10/6	35	1
HBK R5226	Hornbeck	83.0	79.3	—	10/8	38	2
Progeny 5622RR	Progeny	82.7	78.2	—	10/4	37	1
VPM 53A1	VP Maxx	82.7	—	—	9/30	37	2
USG 75M49	USG	81.7	—	—	9/27	40	2
95Y40	Pioneer	81.6	78.9	—	9/30	33	1
DG 5450RR	Delta Grow	81.0	79.3	61.7	10/8	36	1
AG5405	Asgrow	80.6	74.1	—	9/29	34	1
ES 5555RR	Eagle Seed	80.6	75.8	—	10/4	37	1
S54-M7 Brand	NK Brand	80.4	—	—	10/7	37	2
ES 5507RR	Eagle Seed	80.3	—	—	10/1	37	1
AG5503	Asgrow	80.2	72.9	—	9/29	41	1
HBK R5525	Hornbeck	79.7	78.2	—	10/5	37	1
Progeny 5650RR	Progeny	79.6	78.5	—	10/5	41	2
DG 33B52	Dyna-Gro	79.4	70.4	54.8	9/30	35	3
AG5606	Asgrow	79.0	78.0	—	10/4	43	1
DG5300RR	Delta Grow	79.0	76.0	56.7	9/29	33	1
AV 54X4RR	AgVenture	78.3	79.3	—	10/5	34	1
Armor 53-Z5	Armor	78.2	—	—	9/30	33	1
TV52R79	Terral	78.1	—	—	10/4	32	2
Delta King GP-533	Delta King	78.0	75.4	56.2	10/3	34	1
ES 5656RR	Eagle Seed	77.9	—	—	9/28	36	1
5440.RC	Schillinger	77.7	—	—	10/2	33	1
MorSoy RT5688N (E)	MorSoy	76.6	76.9	—	10/7	35	1
TV54R28	Terral	76.3	72.9	—	9/30	38	1
DK 52K6	Delta King	76.2	75.4	58.4	10/7	38	1
Terral-REV 55R11 (E)	Terral-REV	76.1	—	—	9/28	39	2
DG 33X55	Dyna-Gro	76.0	71.1	56.1	10/5	33	1
USG 75M16	USG	75.9	—	—	9/29	33	1
RC 5007	Croplan Genetics	75.8	77.1	57.4	10/2	38	2

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

Table 31 (continued). Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
VPM 52A1	VP Maxx	75.7	—	—	9/30	43	2
TV55R15	Terral	75.2	76.1	—	10/3	45	2
S06-3095 (E)	Public	75.0	—	—	9/28	38	2
USG 75Z38	USG	74.3	72.1	—	10/5	38	2
Progeny P5319RR (E)	Progeny	74.2	—	—	10/4	39	2
MorSoy RT5168N (E)	MorSoy	74.0	74.3	—	9/27	43	1
Progeny 5115RR	Progeny	73.8	74.5	—	9/29	43	2
557.RC	Schillinger	73.6	73.1	—	10/2	36	2
DK 5068	Asgrow	73.4	75.5	55.8	9/27	41	2
ES 5121	Eagle Seed	73.3	74.9	—	9/29	34	1
Terral-REV 54R10 (E)	Terral-REV	72.3	—	—	9/30	35	3
HBK R5229	Hornbeck	72.2	—	—	10/5	36	1
DG V51N7RS	Dyna-Gro	72.2	—	—	9/27	32	1
TV55R20	Terral	72.1	—	—	9/30	31	2
ES 5519RR	Eagle Seed	71.2	71.0	—	9/30	30	1
DG5160RR	Delta Grow	71.1	75.4	53.5	10/2	42	2
DG 5280RR	Delta Grow	71.1	73.8	—	10/3	32	1
AGS 568RR	AgSouth	70.9	72.3	58.2	9/30	35	1
DG 32A53	Dyna-Gro	70.9	77.4	58.3	10/3	32	2
RC 5663	Croplan Genetics	70.9	—	—	10/3	35	3
S06-3027 (E)	Public	70.8	—	—	9/30	38	1
DG 5555RR	Delta Grow	70.7	74.7	60.0	10/4	35	1
HBK R5425	Hornbeck	70.0	69.1	—	10/4	47	2
Progeny 5218RR (E)	Progeny	70.0	69.3	—	10/3	35	2
95M50	Pioneer	69.8	71.2	—	9/30	37	1
AV 50X6RR	AgVenture	69.3	67.7	—	9/27	35	2
AV 51X5RR	AgVenture	69.2	69.6	—	9/30	46	2
DG 31R54	Dyna-Gro	69.1	70.5	57.1	9/30	31	1
Delta King GP-500	Delta King	68.7	70.1	51.0	9/30	39	1
DG 35F55	Dyna-Gro	68.5	72.3	—	10/3	42	3
ES 5333RR	Eagle Seed	66.7	—	—	10/3	42	2
95Y30	Pioneer	66.7	—	—	9/29	40	2
Progeny P5409RR (E)	Progeny	65.4	—	—	10/3	42	1
DK5068 (Frogeye)	Delta King	64.2	—	—	10/2	39	1
DP 5335RR/S	Asgrow	63.8	63.9	47.9	10/1	45	1
USG 7515nRS	USG	63.3	68.4	—	9/30	40	1
RC 5419	Croplan Genetics	60.8	—	—	9/30	39	1
Progeny P5309RR (E)	Progeny	59.6	—	—	10/4	43	2
ES 5370RR	Eagle Seed	56.0	—	—	10/4	34	2
DG 5170RR	Delta Grow	53.9	62.6	—	9/26	36	2
Overall Mean		74	74.1	84.3			
LSD (.10)		11.4					
Error degrees of freedom		148					
CV (%)		7.9					
R^2 (%)		71					

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

Table 32. Roundup Ready Maturity Group V Late Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5706RR	Progeny	89.7	84.4	62.4	10/12	42	1
AG5905	Asgrow	87.0	81.3	64.5	10/9	44	1
DG V59N8RR	Dyna-Gro	86.6	—	—	10/12	37	1
DG 32B57	Dyna-Gro	83.9	75.6	57.5	10/8	37	1
AGS 606RR	AGS	82.5	77.7	—	10/12	35	1
95Y70	Pioneer	82.0	81.4	—	10/9	41	2
DG 5970RR	Delta Grow	80.4	79.8	62.9	10/12	38	1
USG 75Z98	USG	78.8	71.0	—	10/10	29	2
DG 33C59	Dyna-Gro	77.2	72.7	55.3	10/11	35	1
TV57R16	Terral	74.9	69.8	52.3	10/10	42	2
DG 36N57	Dyna-Gro	72.7	—	—	10/8	33	2
DP 5808RR	Asgrow	71.4	—	—	10/11	30	2
TV59R16	Terral	70.8	70.0	51.6	10/11	36	2
DP5915RR	Asgrow	70.1	70.3	—	10/11	31	2
AGS 597	AGS	69.5	—	—	10/4	38	1
HBK R5825	Hornbeck	64.2	70.0	53.3	10/11	36	2
Overall Mean		77.6	75.3	57.5			
LSD (.10)		15.9					
Error degrees of freedom		30					
CV (%)		10.5					
R^2 (%)		58					

[1]Collins silt loam soil. All are released varieties.

Location 4. Gibb Steele Farms, Longwood

Location Summary

Soybeans were planted into good soil moisture, which resulted in good stand establishment. Excessive rainfall during the month of May reduced plant growth and development. Timely rains in combination with irrigation maintained adequate soil moisture during the remainder of the growing season. However, continuous heavy rainfall at harvest time caused severe damage to seed quality and also significantly reduced yields.

Soil type	**Sharkey clay**
Soil pH	**7.2**
Soil fertility	**P=H; K=H**
Fertilizer added	**None**
Herbicide applications	**Preemergence — Authority MTZ @ 10 oz/A + Dual II Magnum @ 1 pt/A + Roundup Powermax @ 22 oz/A on April 27**
	Postemergence — Layby – Conventional – Classic @ .75 oz/A + Dual II Magnum @ 1 pt/A + Select @ 10 oz/A on July 9; Roundup Ready — Roundup Weathermax @ 22 oz/A + Classic @ .50 oz/A + Dual II Magnum @ 1 pt/A on July 9
Irrigation	**June 28 and August 19**
Planting date	**April 27**
Harvest date	**Group IV Conventional and Roundup Ready – October 1**
	Group V Conventional and Roundup Ready – November 6

Rainfall Summary

	Inches
May	**11.00**
June	**0.99**
July	**5.40**
August	**2.24**
September	**6.31**
October	**15.21**
Total	**41.15**

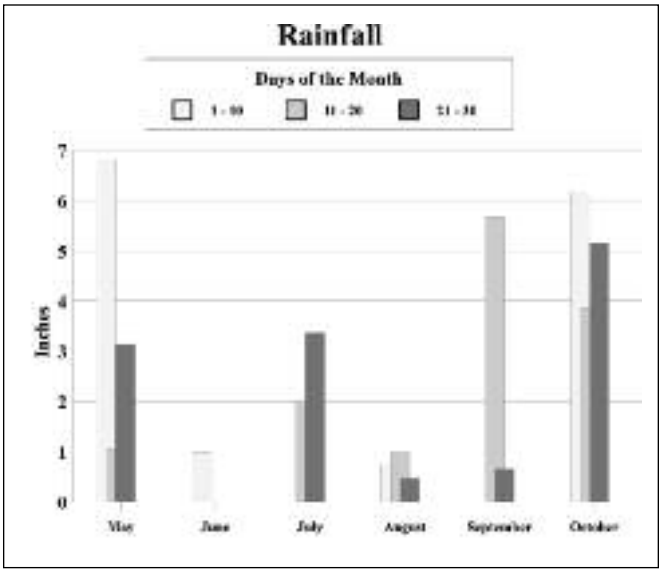

Table 33. Maturity Group IV Conventional Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
MIAMI 949LL	Merschman	61.5	—	—	9/21	34	1
Halo 4:94LL	US Seeds	59.5	—	—	9/23	30	1
SS-09L.49N	Super Soy	59.4	—	—	9/24	35	1
HBK C4926	Hornbeck	58.9	53.9	57.9	9/20	31	1
HBK C4929	Hornbeck	57.7	—	—	9/24	33	1
Progeny P4910	Progeny	54.8	—	—	9/23	32	1
SS-10L.49N	Super Soy	52.8	—	—	9/28	30	1
ATLANTA 1047RR2Y	Merschman	52.3	—	—	9/8	26	1
LG01-5087-5	Public	48.6	—	—	9/12	33	1
Halo 4:65LL	US Seeds	46.8	—	—	9/22	28	1
SS-09L.47N	Super Soy	45.3	—	—	9/5	32	1
DK4866	Asgrow	45.2	—	—	9/13	23	1
ORLANDO 1048LL	Merschman	45.0	—	—	9/28	28	1
NASHVILLE 749RR	Merschman	44.9	—	—	9/13	20	1
AUSTIN 943LL	Merschman	44.5	—	—	9/7	25	1
UA4805	Public	43.8	30.2	36.2	9/14	12	1
HOUSTON 747RR	Merschman	40.1	—	—	9/11	17	1
477.TCS	Emerge Genetics	38.0	—	—	9/4	20	1
R00-1194F (E)	Public	37.8	37.1	—	9/21	23	1
NORFOLK 741RR	Merschman	36.6	—	—	9/4	18	1
DKB46-51	Asgrow	34.5	—	—	9/2	22	1
MEMPHIS 943RR	Merschman	34.1	—	—	9/6	19	1
MPG-X-45-4 (E)	Super Soy	30.6	—	—	8/26	15	1
Overall Mean		46.6	40.4	47.1			
LSD (.10)		8.5					
Error degrees of freedom		44					
CV (%)		9.4					
R^2 (%)		87					

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

Table 34. Maturity Group V Conventional Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C5025	Hornbeck	56.6	53.1	58.9	9/30	33	1
Progeny 5706RR	Progeny	51.1	—	—	9/30	20	1
Freedom	Public	45.4	—	—	9/20	18	1
Progeny P5770	Progeny	44.0	—	—	9/30	15	1
DB04-10836 (E)	Public	43.5	—	—	9/24	21	1
RUSHMORE 959RR	Merschman	42.9	—	—	10/2	16	1
DB03-8416 (E)	Public	41.1	35.0	44.5	9/24	15	1
HBK C5029	Hornbeck	40.0	—	—	9/21	17	1
Halo 5:65LL	US Seeds	38.2	—	—	9/26	16	1
OLYMPUS 1051LL	Merschman	38.0	—	—	9/21	11	1
R04-357 (E)	Public	37.4	—	—	9/28	16	1
Halo 5:25LL	US Seeds	36.0	—	—	9/27	11	1
Osage	Public	35.6	33.4	44.7	9/22	16	1
Jake	Public	35.1	38.1	47.7	9/23	14	1
DK 52K6	Delta King	34.5	—	—	9/29	20	1
SS-10L.51N	Super Soy	34.3	—	—	9/29	15	1
Hutcheson	Public	33.8	—	—	9/28	14	1
HBK C5528	Hornbeck	33.5	—	—	10/2	17	1
DB03-1381 (E)	Public	31.6	19.3	29.2	9/30	14	1
Ozark	Public	29.4	29.8	36.8	9/20	14	1
N02-417 (E)	Public	29.1	—	—	9/29	15	1
MPG-X-55-1 (E)	Super Soy	29.0	—	—	9/24	16	1
DB04-10997 (E)	Public	29.0	—	—	9/20	20	1
S05-11268 (E)	Public	26.6	—	—	9/15	15	1
V98-2711	Public	26.4	—	—	9/22	12	1

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

Table 34 (continued). Maturity Group V Conventional Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DB04-290 (E)	Public	22.5	—	—	9/20	15	1
DS95-217-1-880	Public	20.7	—	—	9/23	12	1
DB03-10440 (E)	Public	18.2	23.5	30.4	9/23	20	1
S05-11482 (E)	Public	16.0	—	—	9/20	13	1
Overall Mean		34.5	33.2	41.8			
LSD (.10)		9.5					
Error degrees of freedom		56					
CV (%)		14.3					
R^2 (%)		85					

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

Table 35. Roundup Ready Maturity Group IV Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Delta King DK 4560	Delta King	51.9	57.3	—	9/9	26	1
DG 37F46	Dyna-Gro	50.7	43.2	45.6	9/2	30	1
USG 74C69	USG	50.1	—	—	9/23	29	1
HBK R4527	Hornbeck	48.3	43.1	46.8	9/4	24	1
VPM 44X1	VP Maxx	47.2	—	—	8/29	26	1
DG 33Y45	Dyna-Gro	46.3	46.5	46.0	9/8	20	1
TV46R19	Terral	45.7	47.6	—	9/6	27	1
457.RCP	Schillinger	45.5	46.6	46.6	9/8	28	1
94Y20	Pioneer	44.9	51.0	—	8/26	23	1
AG4605	Asgrow	44.9	44.0	47.5	9/6	20	1
HBK R3927	Hornbeck	44.8	43.2	42.8	9/1	20	1
DG 32R46	Dyna-Gro	43.2	41.0	45.5	9/7	19	1
Terral-REV 45R10 (E)	Terral-REV	43.1	—	—	8/30	22	1
TV46R15	Terral	43.0	43.2	45.2	9/8	28	1
NK S44-D5 Brand	NK Brand	42.6	45.3	—	9/20	19	1
Armor ARX 0431 (E)	Armor	41.9	—	—	9/4	23	1
AV 45x5RR	AgVenture	41.3	—	—	9/22	28	1
Progeny 4606RR	Progeny	41.3	44.9	45.7	9/4	20	1
NK S46-U6 Brand	NK Brand	41.1	50.6	49.3	9/21	27	1
DG 4470RR/STS	Delta Grow	40.5	—	—	9/3	15	1
DKR 4744s	Delta King	40.5	—	—	9/8	26	1
Terral-REV 44R11 (E)	Terral-REV	40.2	—	—	8/27	17	1
AG4303	Asgrow	39.5	51.1	—	9/3	17	1
Armor 42-M1	Armor	39.0	—	—	9/21	24	1
Channel 4551R Brand	Channel	38.9	43.0	—	9/2	19	1
AG4703	Asgrow	38.1	43.9	43.6	9/6	22	1
Terral-REV 46R11 (E)	Terral-REV	37.9	—	—	9/2	20	1
DKB46-51	Asgrow	37.8	46.2	46.8	9/8	22	1
Armor ARX 0432 (E)	Armor	37.0	—	—	9/7	24	1
Progeny P3909RR (E)	Progeny	36.2	—	—	8/29	15	1
S06-10572 (E)	Public	36.1	—	—	9/18	22	1
DK DKX 0461 (E)	Delta King	35.6	—	—	9/8	23	1
USG 74A69	USG	35.6	—	—	9/4	21	1
ES 4333RR	Eagle Seed	33.5	43.4	—	8/30	14	1
AG4405	Asgrow	33.5	39.5	39.9	9/4	18	1
Progeny 4508RR (E)	Progeny	32.8	36.7	—	9/21	23	1
DG4150RR	Delta Grow	32.5	39.8	37.1	9/3	20	1
AG4403	Asgrow	32.2	42.2	42.5	9/4	21	1
Progeny 4206RR	Progeny	30.9	37.5	42.3	9/5	15	1
AG4404	Asgrow	30.8	39.3	38.9	8/30	19	1
94Y01	Pioneer	30.7	—	—	8/31	16	1
DG 36C44	Dyna-Gro	30.6	40.4	—	9/2	16	1
AG4606	Asgrow	30.2	41.4	—	9/3	18	1
458.RCS (E)	Schillinger	30.1	41.6	—	9/6	22	1

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

Table 35 (continued). Roundup Ready Maturity Group IV Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4005	Asgrow	29.3	—	—	8/25	16	1
RC 4417	Croplan Genetics	28.0	39.5		8/29	19	1
MorSoy RT4485N (E)	MorSoy	26.4	36.7	36.6	9/23	26	1
Overall Mean		38.8	42.2	43.8			
LSD (.10)		10.2					
Error degrees of freedom		92					
CV (%)		14.1					
R^2 (%)		73					

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

Table 36. Roundup Ready Maturity Group IV Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Terral-REV 49R20 (E)	Terral-REV	57.6	—	—	9/12	26	1
Terral-REV 49R10 (E)	Terral-REV	57.3	—	—	9/17	30	1
Terral-REV 49R21 (E)	Terral-REV	56.4	—	—	9/30	41	1
ES 4777	Eagle Seed	55.9	48.3	—	9/22	16	1
95Y01	Pioneer	55.8	—	—	9/25	24	1
DK 5068	Asgrow	55.1	54.9	—	9/29	26	1
4990.RC	Schillinger	54.8	—	—	9/22	25	1
ES 4906	Eagle Seed	54.5	49.7	—	9/21	31	1
JG 482 (E)	JGL	53.9	—	—	9/22	24	1
DK 4968	Delta King	53.7	52.0	50.1	9/14	25	1
Armor 47-G10	Armor	53.1	—	—	9/11	26	1
HBK R4924	Hornbeck	52.8	50.1	50.0	9/22	27	1
Progeny 4949RR	Progeny	52.4	53.1	53.7	10/1	26	1
AV EXA49B (E)	AgVenture	52.3	—	—	9/23	24	1
VPM 49X1	VP Maxx	52.0	—	—	9/16	27	1
94Y80	Pioneer	51.5	47.5	44.9	9/6	26	1
ES 4818	Eagle Seed	51.0	48.6	—	9/25	33	1
RC 4877	Croplan Genetics	50.6	49.0	—	9/17	28	1
TV49R19	Terral	50.5	48.5	—	9/21	26	1
TV49R17	Terral	50.4	52.4	51.1	9/24	33	1
94Y90	Pioneer	50.2	47.0	—	9/8	23	1
DG 4780RR	Delta Grow	50.1	51.9	52.0	9/7	24	1
Channel 4851R Brand	Channel	50.0	—	—	9/29	24	1
HBK R4729	Hornbeck	49.7	—	—	9/24	23	1
Terral-REV 48R10 (E)	Terral-REV	49.3	—	—	9/6	22	1
NK S49-W6 Brand	NK Brand	49.3	46.5	44.6	9/21	24	1
HBK R4727	Hornbeck	49.1	50.4	49.5	9/12	25	1
DK4866	Asgrow	49.1	52.7	51.7	9/12	22	1
AG4907	Asgrow	49.0	51.3	—	9/23	23	1
495.RC	Schillinger	48.6	47.1	50.3	9/22	28	1
Armor ARX 0474 (E)	Armor	48.5	—	—	9/7	30	1
Armor 47-R33	Armor	48.5	—	—	9/20	23	1
TV47R18	Terral	48.3	52.9	51.4	9/7	24	1
MorSoy RT4955N (E)	MorSoy	48.2	53.1	51.8	9/30	24	1
Progeny 4908RR (E)	Progeny	48.1	49.1	—	9/22	28	1
ES 4922RR	Eagle Seed	47.7	—	—	9/24	34	1
94Y70	Pioneer	47.6	47.5	—	9/8	23	1
DG V49N6RR	Dyna-Gro	47.4	—	—	9/8	28	1
S49-H7 Brand	NK Brand	47.0	—	—	9/12	23	1
RC 4757	Croplan Genetics	46.6	44.6	—	9/9	18	1
AG4703	Asgrow	46.5	45.7	43.0	9/5	20	1
47G3 NRR	AgVenture	46.4	47.2	46.9	9/6	27	1
DG 36Y48	Dyna-Gro	46.3	52.1	53.5	9/24	27	1
DG 35Z49	Dyna-Gro	46.2	—	—	9/23	27	1

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

Table 36 (continued). Roundup Ready Maturity Group IV Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
499.RC	Schillinger	46.0	—	—	9/28	29	1
4782-4	Stine	46.0	47.5	—	9/13	21	1
Armor ARX 0472 (E)	Armor	45.9	—	—	9/9	19	1
JG 483	JGL	45.7	—	—	9/16	22	1
MorSoy RT4919N (E)	MorSoy	45.1	—	—	9/22	22	1
Delta King DK 4770	Delta King	44.8	—	—	9/21	28	1
MorSoy RT4707N	MorSoy	44.5	47.3	48.0	9/12	24	1
USG 74F96	USG	43.9	47.1	—	9/28	24	1
DG4975LARR	Delta Grow	43.7	47.3	49.6	9/23	25	1
DG 4970RR	Delta Grow	43.7	46.3	45.9	10/1	28	1
4880.RC	Schillinger	43.6	—	—	9/30	27	1
ES 4991	Eagle Seed	43.3	41.9	—	9/20	26	1
DG 32P48	Dyna-Gro	43.1	44.4	—	9/18	26	1
ES 4931RR	Eagle Seed	42.8	—	—	10/2	29	1
DG 4790RR2	Delta Grow	42.8	—	—	9/21	23	1
P4807RR	Progeny	42.5	46.8	49.3	9/24	26	1
JG 481 (E)	JGL	42.5	—	—	9/23	22	1
S48-C9 Brand	NK Brand	41.7	—	—	9/13	17	1
MorSoy RTs4824	MorSoy	41.6	—	—	9/29	19	1
Terral-REV 49R11 (E)	Terral-REV	41.2	—	—	9/2	20	1
AG4903	Asgrow	40.9	45.0	48.3	9/28	21	1
MorSoy RT4914N (E)	MorSoy	40.9	44.3	44.6	9/24	26	1
Progeny 4706RR	Progeny	40.7	43.2	44.1	9/04	23	1
478.RCS	Schillinger	40.5	44.8	—	9/20	21	1
Armor 47-F8	Armor	40.3	—	—	9/08	20	1
DG 4870RR	Delta Grow	40.1	45.5	—	9/18	20	1
USG 74A76	USG	39.6	—	—	9/11	28	1
DG 37P49	Dyna-Gro	39.5	43.3	46.4	9/23	25	1
DG4770RR	Delta Grow	39.1	44.2	42.8	9/11	22	1
USG 74A91	USG	37.7	46.1	—	10/1	24	1
USG 74A79	USG	37.3	—	—	9/23	21	1
Progeny 4906RR	Progeny	36.7	43.9	48.2	10/2	23	1
Terral-REV 47R11 (E)	Terral-REV	36.0	—	—	9/01	18	1
DG V47N9RS	Dyna-Gro	35.5	—	—	9/03	22	1
Terral-REV 47R21 (E)	Terral-REV	35.3	—	—	9/04	18	1
USG 74E88	USG	35.1	—	—	9/03	24	1
DG V48N7RS	Dyna-Gro	34.6	—	—	9/22	23	1
DPL 4690	DPL	31.7	—	—	10/2	24	1
S06-3929 (E)	Public	30.2	—	—	9/05	19	1
Channel 4852R Brand	Channel	29.3	—	—	9/02	21	1
Overall Mean		45.8	48.0	48.5			
LSD (.10)		11.4					
Error degrees of freedom		166					
CV (%)		13.1					
R^2 (%)		65					

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

Table 37. Roundup Ready Maturity Group V Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny P5319RR (E)	Progeny	52.9	—	—	9/22	14	1
RC 5419	Croplan Genetics	51.1	—	—	9/22	18	1
VPM 53A1	VP Maxx	51.1	—	—	9/21	23	1
TV55R15	Terral	50.6	—	55.2	9/29	22	1
DK 5363	Delta King	49.8	—	—	9/27	19	1
DG 5555RR	Delta Grow	49.8	45.3	50.4	9/22	21	1
DG 35F55	Dyna-Gro	49.5	45.6	—	9/28	18	1
Terral-REV 54R10 (E)	Terral-REV	48.7	—	—	9/20	21	1
95M50	Pioneer	47.0	46.3	48.7	9/23	21	1
TV55R20	Terral	46.8	—	—	9/23	20	1
Progeny 5622RR	Progeny	46.3	39.2	—	10/2	16	1
MorSoy RT5688N (E)	MorSoy	45.4	44.9	—	9/25	22	1
AV 54X4RR	AgVenture	45.2	45.2	—	9/23	16	1
Delta King GP-533	Delta King	44.9	44.1	49.7	9/25	18	1
AG5503	Asgrow	44.9	46.6	—	9/29	32	1
RC 5663	Croplan Genetics	43.9	—	—	9/24	17	1
VPM 52A1	VP Maxx	43.7	—	—	9/21	20	1
AGS 554RR	AGS	43.5	—	—	9/24	17	1
TV54R28	Terral	42.7	—	—	9/24	23	1
S54-M7 Brand	NK Brand	42.6	—	—	9/28	18	1
Progeny 5650RR	Progeny	42.6	44.4	49.9	9/24	20	1
95Y40	Pioneer	42.0	44.5	—	9/20	17	1
DG 33B52	Dyna-Gro	42.0	37.8	43.1	9/20	16	1
HBK R5229	Hornbeck	41.7	—	—	9/22	21	1
AG5606	Asgrow	41.5	41.5	—	9/23	21	1
AGS 568RR	AgSouth	41.3	42.6	46.7	9/25	16	1
Terral-REV 55R11 (E)	Terral-REV	41.0	—	—	9/21	16	1
Progeny 5218RR (E)	Progeny	40.9	35.4	—	9/27	14	1
HBK R5525	Hornbeck	40.9	45.8	51.7	9/24	19	1
HBK R5425	Hornbeck	40.8	39.5	46.8	10/2	41	1
95Y30	Pioneer	40.0	—	—	9/20	15	1
MorSoy RT5388N (E)	MorSoy	39.8	37.9	—	9/21	18	1
HBK R5226	Hornbeck	39.7	39.7	48.0	9/20	20	1
NK S52-F2 Brand	NK Brand	38.9	39.6	44.2	9/23	16	1
DG V51N7RS	Dyna-Gro	38.9	—	—	9/19	14	1
DG5300RR	Delta Grow	38.5	31.7	34.7	9/20	15	1
USG 75Z38	USG	37.9	—	—	9/28	19	1
ES 5507RR	Eagle Seed	37.5	—	—	10/6	21	1
ES 5555RR	Eagle Seed	37.5	36.5	38.7	9/22	17	1
ES 5656RR	Eagle Seed	37.1	—	—	9/28	14	1
DG 5280RR	Delta Grow	37.1	36.6	—	9/25	18	1
ES 5121	Eagle Seed	36.7	40.4	—	9/29	36	1
USG 75M49	USG	36.5	—	—	9/23	15	1
557.RC	Schillinger	36.2	—	37.0	9/20	24	1
Progeny P5409RR (E)	Progeny	35.7	—	—	9/23	29	1
DG 33X55	Dyna-Gro	35.3	38.6	44.2	9/27	14	1
DK 52K6	Delta King	35.2	39.6	46.4	9/30	16	1
DG 31R54	Dyna-Gro	35.1	33.2	40.2	9/20	16	1
DG 5450RR	Delta Grow	35.0	35.2	40.1	10/1	17	1
ES 5519RR	Eagle Seed	34.9	35.8	—	9/27	23	1
DG 5170RR	Delta Grow	34.9	43.6	—	9/22	18	1
5440.RC	Schillinger	34.1	—	—	9/23	14	1
TV52R79	Terral	34.0	—	—	9/26	14	1
AG5405	Asgrow	33.0	30.3	—	9/21	16	1
AV 50X6RR	AgVenture	32.0	41.2	—	9/28	26	1
Progeny 5115RR	Progeny	31.5	40.0	43.3	10/2	29	1
Progeny P5309RR (E)	Progeny	31.3	—	—	9/21	22	1
AG5504	Asgrow	31.1	31.4	—	9/28	19	1
MorSoy RT5168N (E)	MorSoy	31.0	41.9	—	10/3	28	1
Armor 53-Z5	Armor	30.6	—	—	9/23	15	1
USG 75M16	USG	30.5	—	—	9/19	16	1
S06-3027 (E)	Public	30.5	—	—	9/17	23	1
DG 32A53	Dyna-Gro	30.3	38.7	44.0	9/24	14	1
ES 5370RR	Eagle Seed	30.0	—	—	10/5	28	1
DG5160RR	Delta Grow	28.8	41.8	40.7	10/2	22	1
S06-3095 (E)	Public	28.7	—	—	9/16	21	1
DK5068 (Frogeye)	Delta King	28.1	—	—	10/1	13	1
RC 5007	Croplan Genetics	27.9	30.7	34.0	9/21	16	1

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

Table 37 (continued). Roundup Ready Maturity Group V Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
ES 5333RR	Eagle Seed	26.3	—	—	9/20	17	1
USG 7515nRS	USG	26.1	—	—	9/20	22	1
Delta King GP-500	Delta King	25.8	28.5	35.7	9/15	18	1
DP 5335RR/S	Asgrow	25.8	34.3	40.9	9/21	29	1
DK 5068	Asgrow	22.9	38.0	44.5	9/30	28	1
AV 51X5RR	AgVenture	21.7	32.1	—	9/16	26	1
Overall Mean		37.9	34.9	44.0			
LSD (.10)		9.1					
Error degrees of freedom		146					
CV (%)		12.6					
R^2 (%)		79					

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

Table 38. Roundup Ready Maturity Group V Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
TV59R16	Terral	52.8	47.7	57.0	9/29	26	1
AGS 597	AGS	52.8	—	—	9/30	20	1
DG 33C59	Dyna-Gro	50.8	41.0	54.3	10/1	18	1
Progeny 5706RR	Progeny	50.1	45.2	54.1	10/1	20	1
DP 5808RR	Asgrow	48.1	—	—	9/28	22	1
95Y70	Pioneer	47.4	41.9	—	9/25	28	1
USG 75Z98	USG	46.4	44.7	—	10/1	14	1
DG 36N57	Dyna-Gro	46.0	—	—	9/23	17	1
DG 5970RR	Delta Grow	45.7	43.3	50.8	9/30	20	1
DG 32B57	Dyna-Gro	44.5	40.3	43.0	9/25	18	1
HBK R5825	Hornbeck	41.6	41.8	45.4	10/3	20	1
AG5905	Asgrow	41.1	36.5	45.9	9/29	26	1
DG V59N8RR	Dyna-Gro	40.8	—	—	10/2	19	1
AGS 606RR	AGS	39.3	41.6	—	10/3	22	1
DP5915RR	Asgrow	34.3	38.8	—	10/5	26	1
TV57R16	Terral	33.6	39.0	48.7	10/2	28	1
Overall Mean		44.7	41.8	49.9			
LSD (.10)		9.1					
Error degrees of freedom		30					
CV (%)		10.4					
R^2 (%)		74					

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

Location 5. MAFES Black Belt Branch, Brooksville

Location Summary

Soybeans were planted into a stale seedbed with adequate moisture. Plants emerged quickly to a good stand. Excessive rain during the month of May followed by drought conditions in June slowed plant growth and development. Timely rains throughout the remainder of the season helped to increase yield potential, especially in late-maturing tests. Late-season stinkbug pressure did warrant one application of insecticide. Harvest was delayed slightly by late-season rains.

Soil type	**Brooksville silty clay**
Soil pH	**6.2**
Soil fertility	**P=M; K=M**
Fertilizer added	**Preplant – 13-13-13 @ 300 lb/A**
Herbicide applications	**Preemergence — Authority MTZ @ 10 oz/A + Dual II Magnum @ 1 pt/A + Python @ 1.25 oz/A + Roundup Powermax @ 22 oz/A on April 28** **Postemergence — Conventional – Firstrate @ 0.6 oz/A + Select @ 10 oz/A + Pursuit @ 1.4 oz/A on June 11; Roundup Ready — Roundup Powermax @ 22 oz/A on June 11**
Insecticide applications	**Delta Gold @ 2.4 oz/A on September 2**
Planting date	**April 28**
Harvest date	**Group IV Roundup Ready Early – September 9; Group IV Conventional and Group IV Roundup Ready Late – September 30** **Group V Conventional and Roundup Ready – October 22**

Rainfall Summary

	Inches
May	**9.22**
June	**2.88**
July	**6.11**
August	**3.05**
September	**9.69**
October	**9.70**
Total	**40.65**

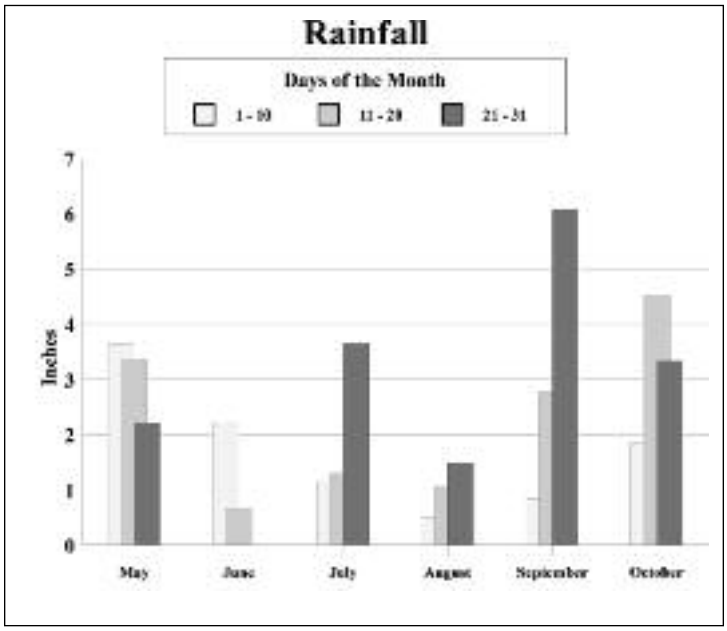

Table 39. Maturity Group IV Conventional Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C4929	Hornbeck	52.4	—	—	9/4	35	1
HBK C4926	Hornbeck	51.8	47.4	41.6	9/7	34	1
Halo 4:94LL	US Seeds	47.9	—	—	9/4	30	1
DK4866	Asgrow	47.4	—	—	9/6	23	1
LG01-5087-5	Public	45.5	—	—	9/4	35	1
Progeny P4910	Progeny	45.1	—	—	9/18	29	1
R00-1194F (E)	Public	44.8	45.5	—	9/16	16	1
MIAMI 949LL	Merschman	44.0	—	—	9/6	32	1
SS-09L.49N	Super Soy	43.5	—	—	9/8	30	1
SS-10L.49N	Super Soy	42.2	—	—	9/6	28	1
477.TCS	Emerge Genetics	39.1	—	—	9/1	21	1
UA4805	Public	37.3	41.0	40.3	9/4	33	1
HOUSTON 747RR	Merschman	37.1	—	—	9/8	21	1
ATLANTA 1047RR2Y	Merschman	35.8	—	—	9/18	23	1
MEMPHIS 943RR	Merschman	31.9	—	—	8/29	17	1
NASHVILLE 749RR	Merschman	31.9	—	—	8/31	21	1
SS-09L.47N	Super Soy	29.9	—	—	8/28	26	1
Halo 4:65LL	US Seeds	29.6	—	—	8/31	27	1
DKB46-51	Asgrow	28.2	—	—	9/7	20	1
ORLANDO 1048LL	Merschman	27.6	—	—	9/4	32	1
NORFOLK 741RR	Merschman	25.7	—	—	8/29	21	1
AUSTIN 943LL	Merschman	23.9	—	—	9/1	24	1
MPG-X-45-4 (E)	Super Soy	19.6	—	—	8/27	18	1
Overall Mean		66.1	44.7	41.0			
LSD (.10)		18.3					
Error degrees of freedom		163					
CV (%)		14.5					
R^2 (%)		50					

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

Table 40. Maturity Group V Conventional Soybeans (Black Belt Branch Station, Brooksville). [1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5706RR	Progeny	56.6	—	—	9/22	25	1
DB04-10836 (E)	Public	53.0	—	—	9/8	24	1
RUSHMORE 959RR	Merschman	52.7	—	—	9/21	21	1
HBK C5528	Hornbeck	52.1	—	—	9/21	23	1
DB03-8416 (E)	Public	50.1	51.6	44.2	9/3	22	1
HBK C5025	Hornbeck	49.9	48.6	40.6	9/3	38	1
DK 52K6	Delta King	43.5	—	—	9/16	24	1
Halo 5:65LL	US Seeds	43.4	—	—	9/20	22	1
OLYMPUS 1051LL	Merschman	40.8	—	—	9/8	16	1
Jake	Public	40.6	46.8	42.2	9/8	16	1
Hutcheson	Public	39.9	—	—	9/6	19	1
MPG-X-55-1 (E)	Super Soy	39.8	—	—	9/13	20	1
Freedom	Public	38.6	—	—	9/6	22	1
Progeny P5770	Progeny	38.3	—	—	9/6	20	1
N02-417 (E)	Public	37.9	—	—	9/8	16	1
V98-2711	Public	37.8	—	—	9/5	15	1
DB03-1381 (E)	Public	37.3	40.4	35.4	9/2	16	1
R04-357 (E)	Public	36.6	—	—	9/1	15	1
Osage	Public	36.2	44.1	40.9	8/27	15	1
S05-11268 (E)	Public	35.6	—	—	9/4	18	1
SS-10L.51N	Super Soy	32.9	—	—	9/11	21	1
HBK C5029	Hornbeck	32.8	—	—	9/4	22	1
S05-11482 (E)	Public	31.7	—	—	9/4	17	1
Ozark	Public	31.3	42.9	36.9	9/2	17	1
DB04-290 (E)	Public	30.9	—	—	9/3	18	1

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

Table 40 (continued). Maturity Group V Conventional Soybeans (Black Belt Branch Station, Brooksville). [1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DB04-10997 (E)	Public	29.6	—	—	9/6	21	1
Halo 5:25LL	US Seeds	29.4	—	—	9/7	19	1
DB03-10440 (E)	Public	29.2	39.8	35.8	9/3	16	1
DS95-217-1-880	Public	28.3	—	—	9/13	14	1
Overall Mean		39.2	44.9	39.4			
LSD (.10)		12.0					
Error degrees of freedom		56					
CV (%)		16.0					
R^2 (%)		72					

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

Table 41. Roundup Ready Maturity Group IV Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 37F46	Dyna-Gro	60.9	43.6	41.4	8/28	24	1
USG 74A69	USG	56.6	—	—	9/02	22	1
Armor ARX 0432 (E)	Armor	56.2	—	—	8/30	21	1
DKR 4744s	Delta King	55.7	—	—	9/02	23	1
HBK R4527	Hornbeck	55.4	45.0	42.5	8/29	23	1
Delta King DK 4560	Delta King	54.7	43.8	—	8/31	19	1
DK DKX 0461 (E)	Delta King	52.8	—	—	9/02	27	1
Channel 4551R Brand	Channel	52.6	42.8	—	9/02	22	1
VPM 44X1	VP Maxx	52.4	—	—	8/31	26	1
Terral-REV 45R10 (E)	Terral-REV	52.3	—	—	8/30	25	1
DG 4470RR/STS	Delta Grow	52.2	—	—	8/30	18	1
Armor ARX 0431 (E)	Armor	52.2	—	—	8/31	22	1
AG4403	Asgrow	51.1	40.5	37.4	8/31	24	1
Armor 42-M1	Armor	51.1	37.5	—	9/01	19	1
Progeny 4508RR (E)	Progeny	50.0	41.3	—	9/01	26	1
DG 33Y45	Dyna-Gro	49.7	43.0	37.6	8/31	21	1
USG 74C69	USG	49.1	—	—	9/04	25	1
457.RCP	Schillinger	48.5	35.1	33.9	8/30	26	1
Progeny 4606RR	Progeny	48.2	38.4	36.3	9/02	19	1
AG4303	Asgrow	47.6	40.3	—	8/29	13	1
NK S46-U6 Brand	NK Brand	47.5	40.2	41.0	9/04	21	1
DG 32R46	Dyna-Gro	47.2	36.4	34.6	8/30	20	1
94Y20	Pioneer	47.0	41.3	—	8/28	18	1
AG4405	Asgrow	46.6	37.6	37.2	8/29	17	1
TV46R19	Terral	46.5	35.9	—	9/04	29	1
DG 36C44	Dyna-Gro	46.5	38.6	—	8/29	17	1
AG4606	Asgrow	46.4	38.1	—	9/02	24	1
AG4703	Asgrow	45.8	35.3	35.0	8/30	18	1
NK S44-D5 Brand	NK Brand	45.5	40.0	—	8/29	19	1
Terral-REV 44R11 (E)	Terral-REV	44.6	—	—	8/30	22	1
AG4605	Asgrow	42.6	39.8	36.8	8/31	20	1
Progeny 4206RR	Progeny	42.2	37.7	35.1	8/28	20	1
TV46R15	Terral	41.6	33.3	32.6	9/01	27	1
ES 4333RR	Eagle Seed	40.1	39.0	—	8/29	19	1
HBK R3927	Hornbeck	40.0	32.4	34.7	8/28	22	1
RC 4417	Croplan Genetics	38.8	34.3	—	8/30	24	1
AV 45x5RR	AgVenture	38.5	—	—	9/01	22	1
458.RCS (E)	Schillinger	38.3	35.4	—	8/31	20	1
Progeny P3909RR (E)	Progeny	37.8	—	—	8/29	18	1
Terral-REV 46R11 (E)	Terral-REV	37.8	—	—	8/28	18	1
S06-10572 (E)	Public	37.5	—	—	9/01	22	1
MorSoy RT4485N (E)	MorSoy	36.7	32.2	30.7	8/31	26	1
94Y01	Pioneer	34.8	—	—	8/29	15	1
DG4150RR	Delta Grow	34.7	33.9	34.3	8/31	17	1

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

Table 41 (continued). Roundup Ready Maturity Group IV Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DKB46-51	Asgrow	33.5	31.0	30.8	8/29	11	1
AG4005	Asgrow	31.5	—	—	8/28	15	1
AG4404	Asgrow	27.1	27.9	27.6	8/30	15	1
Overall Mean		45.7	37.8	35.5			
LSD (.10)		7.9					
Error degrees of freedom		92					
CV (%)		12.7					
R^2 (%)		75					

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

Table 42. Roundup Ready Maturity Group IV Late Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4908RR (E)	Progeny	58.4	52.6	—	9/11	29	1
ES 4922RR	Eagle Seed	55.6	—	—	9/20	34	1
Terral-REV 49R20 (E)	Terral-REV	51.3	—	—	9/7	26	1
Terral-REV 49R21 (E)	Terral-REV	48.8	—	—	9/17	38	1
Channel 4851R Brand	Channel	48.6	—	—	9/12	22	1
DG4975LARR	Delta Grow	47.6	44.3	42.4	9/16	27	1
95Y01	Pioneer	47.6	—	—	9/7	26	1
Armor ARX 0474 (E)	Armor	46.9	—	—	9/7	30	1
94Y80	Pioneer	46.0	41.3	38.5	9/3	27	1
DG 37P49	Dyna-Gro	45.9	44.1	41.8	9/13	26	1
DG 36Y48	Dyna-Gro	45.7	43.8	41.1	9/20	23	1
HBK R4924	Hornbeck	45.4	44.0	40.5	9/8	26	1
DG 35Z49	Dyna-Gro	45.0	—	—	9/12	27	1
Terral-REV 49R10 (E)	Terral-REV	45.0	—	—	9/6	28	1
MorSoy RT4955N (E)	MorSoy	44.9	41.4	37.6	9/15	25	1
Progeny 4949RR	Progeny	44.8	40.3	36.9	9/10	27	1
USG 74A91	USG	44.7	45.6	—	9/11	26	1
ES 4906	Eagle Seed	44.4	39.5	—	9/17	29	1
DK 5068	Asgrow	44.0	43.9	—	9/6	26	1
Progeny 4906RR	Progeny	43.9	44.7	40.9	9/7	27	1
ES 4818	Eagle Seed	43.7	41.4	—	9/17	28	1
VPM 49X1	VP Maxx	43.5	—	—	9/16	26	1
TV49R17	Terral	42.0	37.0	36.2	9/14	36	1
MorSoy RTs4824	MorSoy	41.9	—	—	9/11	22	1
USG 74F96	USG	40.2	41.3	—	9/12	24	1
DPL 4690	DPL	40.1	—	—	9/4	28	1
HBK R4729	Hornbeck	39.8	—	—	9/6	22	1
Armor 47-G10	Armor	39.6	—	—	9/8	30	1
AG4903	Asgrow	39.3	42.8	39.6	9/16	23	1
Armor ARX 0472 (E)	Armor	38.8	—	—	9/11	23	1
TV49R19	Terral	38.7	35.5	—	9/11	26	1
Armor 47-F8	Armor	38.4	—	—	9/6	21	1
499.RC	Schillinger	37.9	—	—	9/14	26	1
TV47R18	Terral	37.4	36.2	36.5	9/11	23	1
DK4866	Asgrow	37.3	36.9	36.9	9/17	22	1
4880.RC	Schillinger	37.3	—	—	9/12	25	1
Terral-REV 49R11 (E)	Terral-REV	37.3	—	—	9/1	22	1
ES 4777	Eagle Seed	37.0	40.0	—	9/17	17	1
94Y90	Pioneer	36.4	37.4	—	9/8	23	1
495.RC	Schillinger	36.4	35.0	34.5	9/9	24	1
MorSoy RT4914N (E)	MorSoy	36.1	37.3	35.7	9/12	26	1
DG V48N7RS	Dyna-Gro	36.1	—	—	9/8	18	1
4990.RC	Schillinger	35.9	—	—	9/11	24	1
DG 4790RR2	Delta Grow	35.8	—	—	9/10	18	1
Progeny 4706RR	Progeny	35.7	36.3	34.8	9/1	21	1

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

Table 42 (continued). Roundup Ready Maturity Group IV Late Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
RC 4877	Croplan Genetics	35.7	35.0	—	9/10	23	1
DG 4970RR	Delta Grow	35.7	37.4	34.8	9/16	23	1
94Y70	Pioneer	35.4	37.3	—	9/3	23	1
DG 32P48	Dyna-Gro	35.3	38.6	—	9/6	25	1
AG4907	Asgrow	34.9	35.7	—	9/5	26	1
USG 74A76	USG	34.5	—	—	9/1	20	1
JG 483	JGL	34.5	—	—	9/1	18	1
DG V49N6RR	Dyna-Gro	34.2	—	—	9/12	22	1
4782-4	Stine	34.1	35.1	—	9/3	20	1
Terral-REV 48R10 (E)	Terral-REV	33.0	—	—	9/4	21	1
DG 4780RR	Delta Grow	32.7	34.7	32.8	9/4	21	1
USG 74A79	USG	32.6	—	—	9/11	22	1
RC 4757	Croplan Genetics	32.2	35.7	—	9/12	20	1
Armor 47-R33	Armor	31.5	—	—	9/5	21	1
Delta King DK 4770	Delta King	31.5	—	—	9/6	24	1
S49-H7 Brand	NK Brand	31.4	—	—	9/7	21	1
MorSoy RT4919N (E)	MorSoy	30.1	—	—	9/3	19	1
ES 4931RR	Eagle Seed	29.9	—	—	9/16	23	1
47G3 NRR	AgVenture	29.8	34.3	33.0	9/5	26	1
P4807RR	Progeny	29.7	33.5	33.3	9/5	26	1
AV EXA49B (E)	AgVenture	29.6	—	—	9/5	23	1
S48-C9 Brand	NK Brand	29.3	—	—	9/1	20	1
ES 4991	Eagle Seed	29.3	33.2	—	9/7	26	1
AG4703	Asgrow	28.0	32.7	33.0	9/1	19	1
Terral-REV 47R11 (E)	Terral-REV	27.9	—	—	8/31	22	1
DG4770RR	Delta Grow	27.8	31.9	31.6	9/1	22	1
HBK R4727	Hornbeck	27.2	28.9	29.5	9/4	24	1
DK 4968	Delta King	26.9	30.8	31.1	9/6	22	1
JG 482 (E)	JGL	26.8	—	—	8/31	18	1
USG 74E88	USG	26.6	—	—	9/4	28	1
NK S49-W6 Brand	NK Brand	26.5	30.6	30.5	9/7	26	1
478.RCS	Schillinger	26.1	26.2	—	9/7	18	1
MorSoy RT4707N	MorSoy	22.6	31.8	31.9	9/1	19	1
JG 481 (E)	JGL	22.4	—	—	9/1	18	1
Terral-REV 47R21 (E)	Terral-REV	21.7	—	—	8/31	20	1
DG V47N9RS	Dyna-Gro	20.9	—	—	9/1	21	1
DG 4870RR	Delta Grow	20.3	30.5	—	9/1	21	1
S06-3929 (E)	Public	18.0	—	—	8/31	19	1
Channel 4852R Brand	Channel	17.1	—	—	9/1	21	1
Overall Mean		36.2	37.6	35.8			
LSD (.10)		6.3					
Error degrees of freedom		166					
CV (%)		12.9					
R^2 (%)		83					

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

Table 43. Roundup Ready Maturity Group V Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
TV55R15	Terral	50.3	51.9	45.3	9/20	23	1
DG 35F55	Dyna-Gro	50.0	55.5	—	9/21	22	1
DG 5555RR	Delta Grow	49.8	53.5	47.1	9/21	25	1
RC 5419	Croplan Genetics	49.7	—	—	9/19	17	1
Progeny P5319RR (E)	Progeny	48.7	—	—	9/23	17	1
AV 54X4RR	AgVenture	48.5	49.2	—	9/23	24	1
HBK R5425	Hornbeck	47.2	47.9	39.9	9/22	19	1
Progeny 5650RR	Progeny	47.1	51.0	43.1	9/21	23	1
AG5606	Asgrow	47.0	50.5	—	9/20	22	1
HBK R5226	Hornbeck	46.1	46.4	39.1	9/21	17	1

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

Table 43 (continued). Roundup Ready Maturity Group V Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
MorSoy RT5688N (E)	MorSoy	45.5	52.8	—	9/22	20	1
ES 5121	Eagle Seed	45.2	48.3	—	9/20	35	1
AGS 554RR	AGS	44.8	—	—	9/19	16	1
Delta King GP-533	Delta King	44.7	50.7	43.7	9/18	20	1
TV55R20	Terral	44.0	—	—	9/17	23	1
Progeny P5409RR (E)	Progeny	43.9	—	—	9/20	30	1
AG5503	Asgrow	43.6	46.2	—	9/19	27	1
VPM 53A1	VP Maxx	42.1	—	—	9/17	25	1
Terral-REV 54R10 (E)	Terral-REV	42.0	—	—	9/19	20	1
DK 52K6	Delta King	42.0	47.0	40.0	9/21	18	1
DG 33X55	Dyna-Gro	41.5	47.2	39.5	9/21	26	1
DK 5363	Delta King	41.3	—	—	9/18	19	1
VPM 52A1	VP Maxx	41.2	—	—	9/17	20	1
S54-M7 Brand	NK Brand	40.8	—	—	9/18	18	1
Terral-REV 55R11 (E)	Terral-REV	40.1	—	—	9/19	20	1
Progeny 5115RR	Progeny	39.4	40.5	22.3	9/16	28	1
Progeny 5622RR	Progeny	38.2	40.7	—	9/21	17	1
AGS 568RR	AgSouth	37.9	42.6	36.4	9/19	21	1
95Y40	Pioneer	37.8	42.1	—	9/18	16	1
DG5160RR	Delta Grow	37.5	40.0	34.9	9/19	27	1
TV54R28	Terral	37.4	44.4	—	9/16	19	1
DG 5450RR	Delta Grow	37.4	45.3	37.8	9/26	18	1
AV 50X6RR	AgVenture	37.3	37.9	—	9/15	26	1
ES 5656RR	Eagle Seed	36.8	—	—	9/18	17	1
95Y30	Pioneer	36.4	—	—	9/17	19	1
ES 5519RR	Eagle Seed	35.9	39.9	—	9/19	18	1
Progeny P5309RR (E)	Progeny	35.8	—	—	9/23	31	1
ES 5507RR	Eagle Seed	35.4	—	—	9/20	21	1
DG 33B52	Dyna-Gro	35.3	40.9	36.4	9/19	16	1
95M50	Pioneer	35.2	42.9	36.0	9/20	24	1
NK S52-F2 Brand	NK Brand	34.4	40.3	34.0	9/16	18	1
USG 75M16	USG	34.1	—	—	9/17	21	1
AG5504	Asgrow	33.9	40.3	—	9/16	21	1
RC 5663	Croplan Genetics	33.6	—	—	9/18	16	1
Delta King GP-500	Delta King	33.5	41.2	37.7	9/7	19	1
AV 51X5RR	AgVenture	33.2	35.2	—	9/8	32	1
DP 5335RR/S	Asgrow	33.2	40.3	36.0	9/20	24	1
S06-3095 (E)	Public	32.2	—	—	9/07	20	1
ES 5370RR	Eagle Seed	32.2	—	—	9/22	28	1
HBK R5525	Hornbeck	32.1	42.6	35.7	9/19	16	1
Progeny 5218RR (E)	Progeny	32.1	42.2	—	9/19	16	1
DG 32A53	Dyna-Gro	32.1	40.9	36.9	9/17	13	1
USG 75Z38	USG	31.5	37.7	—	9/22	18	1
RC 5007	Croplan Genetics	31.2	40.1	32.6	9/16	18	1
DK 5068	Asgrow	30.9	37.3	32.8	9/17	26	1
MorSoy RT5168N (E)	MorSoy	30.9	40.8	—	9/12	30	1
ES 5555RR	Eagle Seed	29.9	37.1	32.8	9/15	19	1
DK5068 (Frogeye)	Delta King	29.5	—	—	9/7	23	1
MorSoy RT5388N (E)	MorSoy	29.5	38.3	—	9/17	23	1
HBK R5229	Hornbeck	29.3	—	—	9/17	18	1
S06-3027 (E)	Public	27.9	—	—	9/7	24	1
DG5300RR	Delta Grow	27.9	37.7	32.9	9/17	21	1
DG 5280RR	Delta Grow	27.9	36.2	—	9/19	19	1
DG V51N7RS	Dyna-Gro	27.3	—	—	9/17	15	1
557.RC	Schillinger	27.0	33.4	28.8	9/17	18	1
AG5405	Asgrow	26.0	34.4	—	9/18	16	1
USG 7515nRS	USG	26.0	34.2	—	9/22	22	1
TV52R79	Terral	25.9	—	—	9/18	17	1
DG 31R54	Dyna-Gro	24.8	39.6	36.1	9/18	16	1
USG 75M49	USG	23.9	—	—	9/17	17	1
5440.RC	Schillinger	23.6	—	—	9/17	16	1
Armor 53-Z5	Armor	23.3	—	—	9/17	15	1
DG 5170RR	Delta Grow	21.0	31.8	—	9/7	24	1
ES 5333RR	Eagle Seed	19.3	—	—	9/13	15	1
					9/16	22	1
Overall Mean		35.9	42.5	36.7			
LSD (.10)		8.1					
Error degrees of freedom		148					
CV (%)		12.1					
R^2 (%)		84					

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

Table 44. Roundup Ready Maturity Group V Late Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
95Y70	Pioneer	59.4	58.2	—	9/31	27	1
Progeny 5706RR	Progeny	51.9	51.5	42.2	10/1	22	1
DG V59N8RR	Dyna-Gro	48.0	—	—	10/2	20	1
TV59R16	Terral	44.9	49.6	44.1	10/1	22	1
DG 5970RR	Delta Grow	44.8	51.1	43.5	10/1	20	1
AGS 606RR	AGS	44.7	46.9	—	10/2	26	1
AG5905	Asgrow	43.5	47.7	40.6	10/4	26	1
DP 5808RR	Asgrow	43.2	—	—	9/21	20	1
DG 33C59	Dyna-Gro	42.8	49.4	44.3	10/1	20	1
DG 32B57	Dyna-Gro	42.5	46.5	40.3	9/18	19	1
AGS 597	AGS	40.3	—	—	10/1	23	1
DP5915RR	Asgrow	38.3	46.1	—	10/3	20	1
TV57R16	Terral	37.7	46.8	40.3	9/25	26	1
USG 75Z98	USG	35.0	43.9	—	9/24	17	1
DG 36N57	Dyna-Gro	33.6	—	—	9/17	18	1
HBK R5825	Hornbeck	33.4	38.5	34.1	9/16	19	1
Overall Mean		42.7	48.0	41.2			
LSD (.10)		8.1					
Error degrees of freedom		30					
CV (%)		12.0					
R^2 (%)		84					

[1]Brooksville silty clay soil. All are released varieties.

Location 6. Morton Farms, Falkner

Location Summary

Soybean plots were planted following grain sorghum into a seedbed prepared in the spring with a field cultivator. The plots were originally planted on May 1, but heavy spring rains soon after emergence resulted in an inadequate stand. A replant on May 29 quickly emerged to a good stand due to optimum soil moisture at planting. Plentiful rainfall throughout the growing season resulted in very good yields. The late-season rains had little effect on seed quality or harvest due to the later planting date.

Soil type	**Falaya sandy loam**
Soil pH	**6.7**
Soil fertility	**P=H; K=H**
Fertilizer added	**Preplant — 0-46-0 @ 75 lb/A + 0-0-60 @ 100 lb/A**
Herbicide applications	**Preemergence — Authority MTZ @ 10 oz/A + Dual Magnum @ 1 pt/A + Python @ 1 oz/A + Gramoxone @ 1 qt/A on May 29**
	Postemergence — Conventional – Firstrate @ 0.6 oz/A + Select @ 10 oz/A + Classic @ 0.5 oz/A; Roundup Ready – Roundup Powermax @ 22 oz/A + Firstrate @ 0.30 oz/A
Planting date	**May 1**
Harvest date	**Group IV Conventional and Roundup Ready – October 20**
	Group V Conventional and Roundup Ready – October 26

Rainfall Summary

	Inches
May	**8.60**
June	**2.94**
July	**9.35**
August	**1.37**
September	**8.79**
October	**7.96**
Total	**39.01**

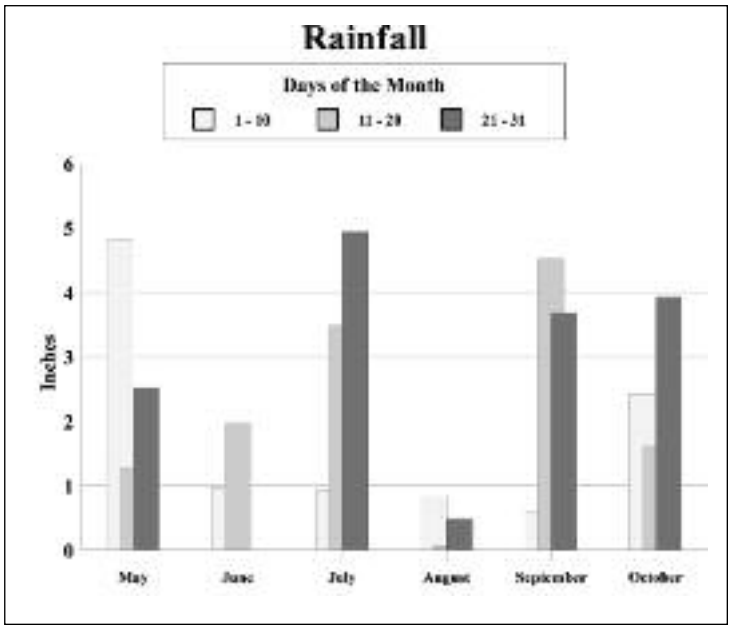

Table 45. Maturity Group IV Conventional Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK C4926	Hornbeck	78.0	—	—	9/20	31	1
HBK C4929	Hornbeck	74.2	—	—	9/24	33	1
DK4866	Asgrow	73.6	—	—	9/13	23	1
MIAMI 949LL	Merschman	72.3	—	—	9/21	34	1
Halo 4:94LL	US Seeds	70.2	—	—	9/23	30	1
SS-09L.49N	Super Soy	67.3	—	—	9/24	35	1
Halo 4:65LL	US Seeds	66.0	—	—	9/22	28	1
R00-1194F (E)	Public	63.5	—	—	9/21	23	1
Progeny P4910	Progeny	62.6	—	—	9/23	32	1
UA 4805	Public	61.9	—	—	9/14	12	1
HOUSTON 747RR	Merschman	60.4	—	—	9/11	17	1
ATLANTA 1047RR2Y	Merschman	60.2	—	—	9/8	26	1
SS-10L.49N	Super Soy	58.9	—	—	9/28	30	1
477.TCS	Emerge Genetics	58.4	—	—	9/4	20	1
MEMPHIS 943RR	Merschman	55.5	—	—	9/6	19	1
NASHVILLE 749RR	Merschman	55.0	—	—	9/13	20	1
SS-09L.47N	Super Soy	53.0	—	—	9/5	32	1
DKB46-51	Asgrow	52.4	—	—	9/2	22	1
ORLANDO 1048LL	Merschman	51.5	—	—	9/28	28	1
NORFOLK 741RR	Merschman	48.8	—	—	9/4	18	1
MPG-X-45-4 (E)	Super Soy	45.9	—	—	8/26	15	1
AUSTIN 943LL	Merschman	41.3	—	—	9/7	25	1
LG01-5087-5	Public	38.5	—	—	9/12	33	1
Overall Mean		59.5	—	—			
LSD (.10)		9.4					
Error degrees of freedom		44					
CV (%)		8.1					
R^2 (%)		88					

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

Table 46. Maturity Group V Conventional Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
MPG-X-55-1 (E)	Super Soy	98.3	—	—	9/28	34	1
OLYMPUS 1051LL	Merschman	94.8	—	—	9/29	24	1
Osage	Public	90.6	—	—	9/25	27	1
Ozark	Public	89.8	—	—	9/27	24	1
Halo 5:25LL	US Seeds	89.6	—	—	9/29	26	1
V98-2711	Public	89.3	—	—	9/28	30	2
HBK C5025	Hornbeck	89.1	—	—	9/29	39	2
Progeny 5706RR	Progeny	88.7	—	—	9/28	42	1
N02-417 (E)	Public	87.5	—	—	9/28	30	1
SS-10L.51N	Super Soy	86.4	—	—	9/30	28	2
Halo 5:65LL	US Seeds	84.8	—	—	9/28	34	1
DS95-217-1-880	Public	84.8	—	—	9/28	28	1
HBK C5029	Hornbeck	84.1	—	—	9/28	29	2
Jake	Public	83.4	—	—	9/28	32	1
DK 52K6	Delta King	83.0	—	—	9/28	42	1
DB04-10836 (E)	Public	80.8	—	—	9/28	32	2
R04-357 (E)	Public	79.0	—	—	9/29	24	1
Hutcheson	Public	78.4	—	—	9/29	32	2
HBK C5528	Hornbeck	78.3	—	—	9/27	35	1
DB03-1381 (E)	Public	75.8	—	—	9/28	28	2
DB04-10997 (E)	Public	75.3	—	—	9/28	27	2
S05-11482 (E)	Public	74.1	—	—	9/28	32	2
Progeny P5770	Progeny	74.0	—	—	9/28	37	3

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

Table 46 (continued). Maturity Group V Conventional Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
DB03-8416 (E)	Public	72.6	—	—	9/27	32	2
RUSHMORE 959RR	Merschman	69.9	—	—	9/28	38	2
S05-11268 (E)	Public	69.2	—	—	9/30	24	3
DB04-290 (E)	Public	56.1	—	—	9/30	20	3
DB03-10440 (E)	Public	44.4	—	—	9/29	30	3
Freedom	Public	27.0	—	—	9/28	33	3
Overall Mean		78.6	—	—			
LSD (.10)		16					
Error degrees of freedom		56					
CV (%)		10.6					
R^2 (%)		84					

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

Table 47. Roundup Ready Maturity Group IV Early Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4606RR	Progeny	85.3	—	—	9/26	32	1
MorSoy RT4485N (E)	MorSoy	82.0	—	—	9/23	41	2
Armor 42-M1	Armor	81.5	—	—	9/21	32	1
NK S44-D5 Brand	NK Brand	80.2	—	—	9/23	35	1
AG4403	Asgrow	75.6	—	—	9/24	39	1
94Y01	Pioneer	75.5	—	—	9/15	35	1
Terral-REV 46R11 (E)	Terral-REV	74.7	—	—	9/23	39	2
AG4303	Asgrow	74.7	—	—	9/23	33	1
Progeny 4508RR (E)	Progeny	73.9	—	—	9/26	39	1
DKR 4744s	Delta King	73.6	—	—	9/27	38	1
VPM 44X1	VP Maxx	73.2	—	—	9/26	41	2
458.RCS (E)	Schillinger	73.1	—	—	9/24	37	1
NK S46-U6 Brand	NK Brand	72.6	—	—	9/21	41	2
HBK R3927	Hornbeck	72.0	—	—	9/21	44	2
DG 32R46	Dyna-Gro	71.5	—	—	9/26	32	1
DG 37F46	Dyna-Gro	71.1	—	—	9/26	41	2
AV 45x5RR	AgVenture	71.1	—	—	9/25	40	1
USG 74C69	USG	70.9	—	—	9/23	44	2
Channel 4551R Brand	Channel	70.7	—	—	9/23	38	2
Progeny P3909RR (E)	Progeny	70.3	—	—	9/15	35	1
Armor ARX 0431 (E)	Armor	69.9	—	—	9/25	39	1
USG 74A69	USG	69.8	—	—	9/25	40	2
DG 36C44	Dyna-Gro	69.3	—	—	9/23	32	1
Armor ARX 0432 (E)	Armor	69.1	—	—	9/26	38	1
Delta King DK 4560	Delta King	67.8	—	—	9/21	41	1
AG4404	Asgrow	67.8	—	—	9/23	32	1
AG4005	Asgrow	67.6	—	—	9/15	34	1
S06-10572 (E)	Public	66.7	—	—	9/28	38	3
AG4405	Asgrow	66.4	—	—	9/22	37	2
TV46R19	Terral	66.4	—	—	9/21	40	1
Progeny 4206RR	Progeny	66.2	—	—	9/25	32	1
TV46R15	Terral	65.8	—	—	9/22	44	1
HBK R4527	Hornbeck	65.0	—	—	9/21	41	2
DK DKX 0461 (E)	Delta King	64.6	—	—	9/27	38	1
AG4703	Asgrow	64.5	—	—	9/25	38	2
457.RCP	Schillinger	64.1	—	—	9/23	42	2
RC 4417	Croplan Genetics	63.8	—	—	9/23	40	2
DG4150RR	Delta Grow	63.7	—	—	9/23	37	2
Terral-REV 45R10 (E)	Terral-REV	63.6	—	—	9/23	41	1
Terral-REV 44R11 (E)	Terral-REV	63.6	—	—	9/27	40	2

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

Table 47 (continued). Roundup Ready Maturity Group IV Early Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
ES 4333RR	Eagle Seed	62.6	—	—	9/23	41	3
94Y20	Pioneer	62.5	—	—	9/26	39	2
AG4606	Asgrow	62.4	—	—	9/23	39	1
DG 33Y45	Dyna-Gro	61.9	—	—	9/23	37	1
AG4605	Asgrow	61.6	—	—	9/23	37	1
DKB46-51	Asgrow	61.1	—	—	9/25	39	2
DG 4470RR/STS	Delta Grow	60.1	—	—	9/25	36	1
Overall Mean		69.1	—	—			
LSD (.10)		21.5					
Error degrees of freedom		59					
CV (%)		16.2					
R^2 (%)		33					

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

Table 48. Roundup Ready Maturity Group IV Late Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y90	Pioneer	93.9	—	—	9/26	44	2
Progeny 4906RR	Progeny	92.8	—	—	9/27	41	2
478.RCS	Schillinger	91.6	—	—	9/30	41	2
ES 4922RR	Eagle Seed	91.4	—	—	9/30	47	1
MorSoy RTs4824	MorSoy	91.2	—	—	9/25	41	1
Progeny 4908RR (E)	Progeny	90.8	—	—	9/28	41	2
Delta King DK 4770	Delta King	90.5	—	—	9/29	47	2
94Y80	Pioneer	89.6	—	—	9/26	41	1
4990.RC	Schillinger	89.5	—	—	9/29	40	1
USG 74A79	USG	89.4	—	—	9/29	41	1
Channel 4851R Brand	Channel	89.2	—	—	9/29	43	2
95Y01	Pioneer	88.4	—	—	9/26	38	2
4782-4	Stine	88.2	—	—	9/26	35	1
S49-H7 Brand	NK Brand	88.0	—	—	9/29	41	1
HBK R4924	Hornbeck	86.9	—	—	9/28	47	2
Progeny 4949RR	Progeny	86.7	—	—	9/26	48	1
DG V49N6RR	Dyna-Gro	86.5	—	—	9/29	44	2
Armor ARX 0474 (E)	Armor	86.4	—	—	9/29	40	2
DG 4870RR	Delta Grow	86.4	—	—	9/30	43	1
DG 4970RR	Delta Grow	86.4	—	—	9/18	38	2
AG4903	Asgrow	86.2	—	—	9/30	47	2
USG 74F96	USG	85.9	—	—	9/28	38	1
AG4907	Asgrow	85.6	—	—	9/27	41	1
DG4975LARR	Delta Grow	85.6	—	—	9/30	43	1
DG 36Y48	Dyna-Gro	85.5	—	—	9/27	40	2
TV49R17	Terral	84.9	—	—	9/27	47	2
DG 35Z49	Dyna-Gro	84.8	—	—	9/26	41	1
495.RC	Schillinger	84.3	—	—	9/30	46	3
MorSoy RT4914N (E)	MorSoy	84.0	—	—	9/30	43	2
Armor 47-R33	Armor	83.9	—	—	9/27	38	1
Armor ARX 0472 (E)	Armor	83.3	—	—	9/27	38	2
Armor 47-G10	Armor	83.2	—	—	9/29	40	1
JG 482 (E)	JGL	82.9	—	—	9/27	39	1
DK4866	Asgrow	82.9	—	—	9/27	36	2
Armor 47-F8	Armor	82.9	—	—	9/25	34	1
DK 5068	Asgrow	82.8	—	—	9/27	38	2
VPM 49X1	VP Maxx	82.6	—	—	9/26	39	1
RC 4757	Croplan Genetics	82.6	—	—	9/26	31	1
DK 4968	Delta King	82.4	—	—	9/28	42	2

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

Table 48 (continued). Roundup Ready Maturity Group IV Late Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4703	Asgrow	82.4	—	—	9/27	38	1
94Y70	Pioneer	82.1	—	—	9/23	41	2
DG 32P48	Dyna-Gro	82.1	—	—	9/25	38	1
MorSoy RT4955N (E)	MorSoy	82.0	—	—	9/27	42	2
4880.RC	Schillinger	81.8	—	—	9/27	40	2
Terral-REV 49R10 (E)	Terral-REV	81.7	—	—	9/29	38	2
RC 4877	Croplan Genetics	81.4	—	—	9/27	42	1
HBK R4729	Hornbeck	81.2	—	—	9/27	42	2
Terral-REV 49R20 (E)	Terral-REV	81.1	—	—	9/21	33	1
ES 4777	Eagle Seed	80.9	—	—	9/30	42	2
Terral-REV 49R21 (E)	Terral-REV	80.9	—	—	9/28	41	2
HBK R4727	Hornbeck	80.7	—	—	9/26	42	1
TV47R18	Terral	80.6	—	—	9/26	42	2
NK S49-W6 Brand	NK Brand	80.0	—	—	9/28	42	1
MorSoy RT4919N (E)	MorSoy	79.5	—	—	9/26	38	1
AV EXA49B (E)	AgVenture	79.4	—	—	9/27	35	2
Progeny 4706RR	Progeny	78.7	—	—	9/20	34	2
ES 4818	Eagle Seed	78.6	—	—	9/30	41	2
DG 4790RR2	Delta Grow	78.5	—	—	9/23	38	1
TV49R19	Terral	78.5	—	—	9/28	42	1
499.RC	Schillinger	78.3	—	—	9/30	41	2
USG 74A91	USG	77.9	—	—	9/26	39	1
P4807RR	Progeny	77.8	—	—	9/27	41	1
DG 37P49	Dyna-Gro	77.8	—	—	9/26	30	1
DG4770RR	Delta Grow	77.5	—	—	9/30	45	2
DG 4780RR	Delta Grow	77.1	—	—	9/25	41	1
JG 483	JGL	76.8	—	—	9/21	38	1
ES 4906	Eagle Seed	75.0	—	—	9/30	40	2
Channel 4852R Brand	Channel	74.7	—	—	9/29	40	1
Terral-REV 48R10 (E)	Terral-REV	74.7	—	—	9/30	40	2
47G3 NRR	AgVenture	74.0	—	—	9/27	44	3
ES 4931RR	Eagle Seed	73.5	—	—	9/30	41	3
S48-C9 Brand	NK Brand	73.4	—	—	9/29	42	1
S06-3929 (E)	Public	70.4	—	—	9/29	41	1
DG V48N7RS	Dyna-Gro	69.6	—	—	9/21	37	2
JG 481 (E)	JGL	69.3	—	—	9/26	39	1
MorSoy RT4707N	MorSoy	69.1	—	—	9/28	36	2
DG V47N9RS	Dyna-Gro	68.7	—	—	9/30	46	1
Terral-REV 47R21 (E)	Terral-REV	67.5	—	—	9/27	41	1
Terral-REV 47R11 (E)	Terral-REV	67.5	—	—	9/29	49	1
USG 74A76	USG	66.6	—	—	9/27	42	1
USG 74E88	USG	66.5	—	—	9/27	39	1
ES 4991	Eagle Seed	66.2	—	—	9/27	40	1
Terral-REV 49R11 (E)	Terral-REV	66.2	—	—	9/25	38	1
Overall Mean		81.0	—	—			
LSD (.10)		16.9					
Error degrees of freedom		163					
CV (%)		109					
R^2 (%)		49					

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

Table 49. Roundup Ready Maturity Group V Early Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date[3]	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
557.RC	Schillinger	93.7	—	—	—	38	2
TV55R20	Terral	92.8	—	—	—	36	2
RC 5007	Croplan Genetics	90.7	—	—	—	33	1
DG5300RR	Delta Grow	89.3	—	—	—	34	1
TV52R79	Terral	87.5	—	—	—	31	1
USG 75M16	USG	87.4	—	—	—	30	1
Progeny P5409RR (E)	Progeny	86.9	—	—	—	42	1
AV 51X5RR	AgVenture	86.5	—	—	—	42	1
DP 5335RR/S	Asgrow	84.2	—	—	—	38	1
DG 35F55	Dyna-Gro	84.2	—	—	—	40	3
S54-M7 Brand	NK Brand	84.1	—	—	—	38	2
NK S52-F2 Brand	NK Brand	84.0	—	—	—	36	1
Progeny 5622RR	Progeny	83.7	—	—	—	40	2
AG5405	Asgrow	83.4	—	—	—	33	1
USG 75M49	USG	83.4	—	—	—	30	1
AG5606	Asgrow	83.3	—	—	—	35	4
DG 5555RR	Delta Grow	82.9	—	—	—	36	2
Progeny P5319RR (E)	Progeny	82.5	—	—	—	34	3
Delta King GP-533	Delta King	82.1	—	—	—	34	2
Armor 53-Z5	Armor	82.0	—	—	—	28	2
HBK R5226	Hornbeck	81.9	—	—	—	34	1
S06-3095 (E)	Public	81.8	—	—	—	36	2
TV55R15	Terral	81.7	—	—	—	33	2
ES 5507RR	Eagle Seed	81.7	—	—	—	33	2
Progeny 5115RR	Progeny	81.4	—	—	—	44	1
AG5503	Asgrow	81.2	—	—	—	38	2
DG 5450RR	Delta Grow	80.9	—	—	—	30	1
MorSoy RT5388N (E)	MorSoy	80.6	—	—	—	35	1
ES 5656RR	Eagle Seed	80.3	—	—	—	34	1
5440.RC	Schillinger	80.0	—	—	—	36	2
AGS 554RR	AGS	79.9	—	—	—	38	2
DK 5068	Asgrow	79.8	—	—	—	36	2
AV 54X4RR	AgVenture	79.5	—	—	—	36	2
DG V51N7RS	Dyna-Gro	79.4	—	—	—	35	1
RC 5419	Croplan Genetics	79.3	—	—	—	40	2
DG5160RR	Delta Grow	78.6	—	—	—	38	2
AG5504	Asgrow	78.6	—	—	—	40	2
Terral-REV 55R11 (E)	Terral-REV	78.3	—	—	—	32	3
DK 52K6	Delta King	78.3	—	—	—	32	2
DG 33X55	Dyna-Gro	78.1	—	—	—	33	2
MorSoy RT5168N (E)	MorSoy	77.9	—	—	—	36	1
Progeny P5309RR (E)	Progeny	77.9	—	—	—	40	3
MorSoy RT5688N (E)	MorSoy	77.4	—	—	—	38	1
ES 5121	Eagle Seed	77.3	—	—	—	44	1
TV54R28	Terral	75.3	—	—	—	39	2
Terral-REV 54R10 (E)	Terral-REV	75.0	—	—	—	39	4
AGS 568RR	AgSouth	74.9	—	—	—	36	1
Delta King GP-500	Delta King	74.9	—	—	—	36	2
HBK R5425	Hornbeck	74.7	—	—	—	36	1
VPM 52A1	VP Maxx	73.0	—	—		34	2
DG 31R54	Dyna-Gro	72.6	—	—	—	42	3
HBK R5525	Hornbeck	72.0	—	—	—	37	1
DG 5280RR	Delta Grow	71.8	—	—	—	27	2
DG 5170RR	Delta Grow	71.7	—	—	—	27	1
95Y40	Pioneer	71.7	—	—	—	25	3
USG 7515nRS	USG	71.5	—	—	—	36	3
DG 33B52	Dyna-Gro	71.5	—	—	—	33	4
Progeny 5650RR	Progeny	71.4	—	—	—	34	4
HBK R5229	Hornbeck	71.2	—	—	—	35	1
AV 50X6RR	AgVenture	71.1	—	—	—	33	2
DG 32A53	Dyna-Gro	71.0	—	—	—	38	3
ES 5519RR	Eagle Seed	70.7	—	—	—	39	2
95M50	Pioneer	70.7	—	—	—	32	3
USG 75Z38	USG	70.6	—	—	—	30	3
ES 5370RR	Eagle Seed	70.4	—	—	—	42	2
Progeny 5218RR (E)	Progeny	69.5	—	—	—	30	4

[1] Falaya sandy loam soil. (E) = Experimental.
[2] No 2- or 3-year yields.
[3] No maturity dates taken.

Table 49 (continued). Roundup Ready Maturity Group V Early Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date[3]	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
ES 5333RR	Eagle Seed	69.3	—	—	—	34	1
DK 5363	Delta King	69.2	—	—	—	28	3
DK5068 (Frogeye)	Delta King	68.8	—	—	—	38	1
RC 5663	Croplan Genetics	68.8	—	—	—	32	2
ES 5555RR	Eagle Seed	66.8	—	—	—	30	4
S06-3027 (E)	Public	66.1	—	—	—	36	3
95Y30	Pioneer	57.1	—	—	—	36	4
VPM 53A1	VP Maxx	55.2	—	—	—	34	4
Overall Mean		77.1	—	—			
LSD (.10)		13.6					
Error degrees of freedom		148					
CV (%)		9.2					
R^2 (%)		65					

[1] Falaya sandy loam soil. (E) = Experimental.
[2] No 2- or 3-year yields.
[3] No maturity dates taken.

Table 50. Roundup Ready Maturity Group V Late Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date[3]	Plant height	Lodging score
		2009	2-yr. avg.[2]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
TV59R16	Terral	82.4	—	—	—	28	2
DP5915RR	Asgrow	80.8	—	—	—	34	2
DG 5970RR	Delta Grow	79.5	—	—	—	44	1
AGS 606RR	AGS	79.1	—	—	—	28	1
DG V59N8RR	Dyna-Gro	78.0	—	—	—	36	2
DG 32B57	Dyna-Gro	75.8	—	—	—	34	1
DP 5808RR	Asgrow	75.7	—	—	—	38	3
DG 33C59	Dyna-Gro	75.2	—	—	—	33	2
HBK R5825	Hornbeck	73.8	—	—	—	28	1
USG 75Z98	USG	73.7	—	—	—	36	1
DG 36N57	Dyna-Gro	73.1	—	—	—	28	2
95Y70	Pioneer	70.5	—	—	—	36	2
AGS 597	AGS	70.5	—	—	—	29	1
Progeny 5706RR	Progeny	69.0	—	—	—	40	1
AG5905	Asgrow	65.5	—	—	—	36	1
TV57R16	Terral	65.3	—	—	—	36	2
Overall Mean		74.2	—	—			
LSD (.10)		20.4					
Error degrees of freedom		30					
CV (%)		14.1					
R^2 (%)		29					

[1] Falaya sandy loam soil. All are released varieties.
[2] No 2- or 3-year yields.
[3] No maturity dates were taken.

Plant Characteristics

Table 51. 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			%	%
DK 4866	Asgrow	purple	lt. tawny	brown	black	2600	I	4.8	36.2	20.6
DKB 46-51	Asgrow	white	tawny	tan	black	2600	I	4.6	37.1	20.8
HBK C4926	Hornbeck	purple	gray	tan	imp black	2700	I	4.9	35.2	21.3
HBK C4929	Hornbeck	purple	lt. tawny	brown	black	2700	I	4.9	36.2	20.8
ATLANTA 1047RR2Y	Merschman	purple	lt. tawny	tan	black	2400	I	4.7	36.4	20.3
AUSTIN 943LL	Merschman	purple	lt. tawny	brown	black	2400	I	4.3	36.9	20.5
HOUSTON 747RR	Merschman	Seg.	lt. tawny	tan	black	3300	I	4.7	35.3	21.6
MEMPHIS 943RR	Merschman	—	—	—	—	2700	I	4.3	36.6	21.2
MIAMI 949LL	Merschman	purple	gray	tan	imp. black	3000	I	4.9	35.0	21.2
NASHVILLE 749RR	Merschman	white	gray	brown	brown	2500	I	4.9	36.0	20.8
NORFOLK 741RR	Merschman	white	lt. tawny	brown	black	2600	I	4.1	37.1	21.2
ORLANDO 1048LL	Merschman	purple	tawny	tan	black	3100	I	4.8	37.0	20.6
P4910	Progeny	Seg.	lt. tawny	tawny	black	3100	I	4.9	35.3	21.2
LG01-5087-5 (E)	Public	purple	gray	brown	imp. black	3800	I	4.5	35.2	21.3
R00-1194F (E)	Public	white	lt. tawny	tan	black	3100	I	4.9	36.5	20.8
UA4805	Public	purple	gray	tan	brown	3400	I	4.8	36.9	20.0
477.TCS	Schillinger Seed	—	tawny	—	—	2400	I	4.7	37.1	20.8
MPG-X-45-4 (E)	Super Soy	white	tawny	tan	black	2600	I	4.7	36.9	20.9
SS-10L.49N	Super Soy	purple	gray	tan	buff	3200	I	4.9	35.5	21.0
SS-09L.47N	Super Soy	purple	gray	tan	imp. black	2300	I	4.7	36.6	21.2
SS-09L.49N	Super Soy	purple	gray	tan	buff	2800	I	4.9	35.7	20.8
Halo 4:65LL	US Seeds	purple	lt. tawny	brown	black	2400	I	4.6	36.3	21.4
Halo 4:94LL	US Seeds	purple	gray	tan	imp. black	3100	I	4.9	35.7	20.8

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

Table 52. Plant Characteristics of Maturity Group V Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
DK 52K6	Delta King	purple	tawny	brown	black	2800	5.3	37.2	19.6
HBK C5025	Hornbeck	white	gray	tan	buff	2900	5.0	37.3	20.2
HBK C5029	Hornbeck	white	gray	tan	buff	2900	5.1	37.4	19.2
HBK C5528	Hornbeck	purple	tawny	tan	black	2800	5.5	37.5	19.5
OLYMPUS 1051LL	Merschman	white	tawny	brown	black	2500	5.1	37.2	20.0
RUSHMORE 959RR	Merschman	purple	gray	tan	imp. black	2800	5.9	36.2	19.9
P5706	Progeny	white	gray	tawny	buff	2900	5.7	36.6	19.9
P5770	Progeny	purple	gray	tawny	buff	2800	5.7	37.3	20.0
DB03-10440 (E)	Public	purple	gray	tan	imp. black	3200	5.4	37.6	19.6
DB03-1381 (E)	Public	purple	tawny	tan	imp. black	4000	5.6	36.9	19.8
DB03-8416 (E)	Public	purple	gray	tan	buff	3500	5.6	37.7	19.9
DB04-290 (E)	Public	white	gray	tan	buff	3100	5.2	37.6	19.8
DB04-10836 (E)	Public	white	tawny	tan	black	4400	5.6	37.7	19.8
DB04-10997 (E)	Public	Seg.	tawny	tan	black	4100	5.3	37.6	19.9
DS95-217-1-880 (E)	Public	purple	tawny	tan	black	3500	5.5	37.2	19.8
Freedom	Public	white	gray	tan	buff	3100	5.7	37.4	19.6
Hutcheson	Public	white	gray	gray	buff	3100	5.7	37.0	20.1

[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 52 (continued). Plant Characteristics of Maturity Group V Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
Jake	Public	purple	tawny	tan	black	2900	5.4	37.3	19.9
N02-417 (E)	Public	purple	gray	—	imp. back	2400	5.6	36.7	19.6
Osage	Public	purple	gray	tan	imp. black	3100	5.6	37.8	19.5
Ozark	Public	purple	gray	tan	buff	2500	5.2	37.3	19.3
R04-357 (E)	Public	purple	gray	tan	imp.black	3500	5.6	37.3	19.5
S05-11268 (E)	Public	white	tawny	tan	black	3100	5.2	37.8	19.7
S05-11482 (E)	Public	white	tawny	tan	black	3300	5.2	37.8	19.7
V98-2711	Public	white	tawny	tan	black	2800	5.0	37.1	19.7
MPG-X-55-1 (E)	Super Soy	white	gray	brown	buff	3400	5.5	37.7	19.9
SS-10L51N	Super Soy	white	tawny	brown	buff	2500	5.1	37.4	19.7
Halo 5:25LL	US Seeds	white	tawny	brown	black	2500	5.2	37.4	20.1
Halo 5:65LL	US Seeds	white	gray	brown	buff	2500	5.6	36.9	19.8

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

Table 53. 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 45x5RR	AgVenture	purple	tawny	tan	black	2200	I	4.5	35.7	20.8
Armor 42-M1	Armor	purple	tawny	tan	black	2600	I	4.2	36.0	20.4
Armor ARX 0431 (E)	Armor	purple	lt. tawny	brown	black	2400	I	4.3	35.4	20.7
Armor ARX 0432 (E)	Armor	purple	lt. tawny	brown	black	2400	I	4.3	35.6	20.7
AG4005	Asgrow	white	tawny	brown	black	2500	I	4.0	36.3	20.2
AG4303	Agrow	purple	lt. tawny	tan	black	2400	I	4.3	35.7	20.6
AG4403	Asgrow	purple	lt. tawny	tan	black	3200	I	4.4	35.0	21.7
AG4404	Asgrow	white	tawny	tan	black	3100	I	4.4	36.1	20.3
AG4405	Asgrow	purple	gray	tan	imp. black	3100	I	4.4	35.2	21.3
AG4605	Asgrow	purple	lt. tawny	brown	black	2500	I	4.6	35.7	20.3
AG4606	Armor	white	tawny	tan	black	3000	I	4.6	35.2	21.4
AG4703	Asgrow	purple	lt. tawny	tan	black	3000	I	4.7	35.9	20.4
Asgrow DKB46-51	Asgrow	white	tawny	tan	black	2600	I	4.6	36.1	20.2
Channel 4551R Brand	Channel	white	tawny	brown	black	3100	I	4.5	35.5	20.6
RC 4417	Croplan Genetics	purple	tawny	brown	black	2600	I	4.4	36.3	20.7
DG 4150RR	Delta Grow	white	tawny	tan	brown	3600	I	4.1	35.9	20.6
DG 4470RR/STS	Delta Grow	purple	tawny	tan	black	2100	I	4.4	35.0	20.4
DK 4560	Delta King	purple	lt. tawny	tan	black	2300	I	4.5	34.8	20.5
DKX 0461 (E)	Delta King	purple	lt. tawny	tan	black	2400	I	4.6	34.6	20.2
DKR 4644s	Delta King	purple	lt. tawny	brown	black	2400	I	4.7	34.8	20.1
DG 32R46	Dyna-Gro	purple	lt. tawny	tan	black	2700	I	4.6	35.1	21.0
DG 33Y45	Dyna-Gro	purple	lt. tawny	brown	black	2700	I	4.5	36.0	20.2
DG 36C44	Dyna-Gro	purple	tawny	tan	black	2200	I	4.4	36.0	20.5
DG 37F46	Dyna-Gro	purple	tawny	brown	black	2800	I	4.6	34.6	20.8
ES 4333RR	Eagle Seed	purple	lt. tawny	brown	black	2700	I	4.3	35.6	20.9
HBK R3927	Hornbeck	purple	gray	tan	black	2900	I	4.0	36.1	20.6
HBK R4527	Hornbeck	white	gray	tan	black	3200	I	4.5	34.8	20.9
MorSoy RT4485N	MorSoy	purple	lt. tawny	brown	black	3300	I	4.4	35.4	20.9
NK S44-D5 Brand	NK Brand	white	lt. tawny	brown	brown	3400	I	4.4	35.7	20.4
NK S46-U6 Brand	NK Brand	white	lt. tawny	brown	black	2700	I	4.6	34.9	20.4
94Y01	Pioneer	purple	tawny	brown	black	3100	I	4.0	35.0	21.6

[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 53 (continued). 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			%	%
94Y20	Pioneer	white	tawny	brown	black	2400	I	4.2	35.6	21.2
Progeny P3909 (E)	Progeny	purple	lt. tawny	tawny	black	2700	I	4.0	35.8	20.5
Progeny 4206RR	Progeny	white	lt. tawny	brown	black	2700	I	4.2	35.6	20.9
Progeny 4508RR	Progeny	purple	lt. tawny	tawny	black	3300	I	4.5	35.1	21.9
Progeny 4606RR	Progeny	purple	lt. tawny	tawny	black	2800	I	4.6	35.0	21.0
S06-10572 (E)	Public	Seg.	tawny	tan	black	2500	I	4.5	36.6	20.3
Terral-REV 44R11 (E)	Terral-REV	—	—	—	—	2300	I	4.4	35.2	20.9
Terral-REV 45R10 (E)	Terral-REV	purple	lt. tawny	brown	black	2600	I	4.5	34.9	21.1
Terral-REV 46R11 (E)	Terral-REV	purple	lt. tawny	brown	black	2600	I	4.6	35.3	20.8
457.RCP	Schillinger	purple	tawny	brown	black	3100	I	4.5	35.2	21.5
458.RCS (E)	Schillinger	white	lt. tawny	tan	black	2800	I	4.5	35.8	20.1
TV46R15	Terral	white	tawny	tan	black	3200	I	4.6	35.0	21.5
TV46R19	Terral	white	tawny	tan	imp. black	3600	I	4.6	34.1	21.4
USG 74A69	USG	purple	lt. tawny	tan	black	2300	I	4.6	35.5	20.5
USG 74C69	USG	purple	tawny	tan	imp. black	3400	I	4.6	35.1	20.6
VPM 44X1	VP Maxx	purple	tawny	brown	black	2600	I	4.4	35.5	20.8

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

Table 54. 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 47G3NRR	AgVenture	purple	tawny	tan	black	2900	I	4.7	35.6	20.7
AV EXA49B (E)	AgVenture	—	—	—	—	3100	—	—	35.9	20.4
Armor 47-F8	Armor	purple	lt. tawny	tan	black	2700	I	4.7	34.7	21.5
Armor 47-R33	Armor	purple	lt. tawny	brown	black	2500	I	4.7	35.9	20.6
Armor ARX 0472 (E)	Armor	purple	lt. tawny	brown	black	2500	I	4.7	35.8	20.7
Armor 47-G10	Armor	purple	lt. tawny	brown	black	3200	I	4.7	35.0	20.7
Armor ARX 0474 (E)	Armor	purple	lt. tawny	brown	black	3200	I	4.7	34.9	20.8
AG4703	Asgrow	purple	lt. tawny	tan	black	3000	I	4.7	35.7	20.5
AG4903	Asgrow	purple	lt. tawny	tan	black	2700	I	4.9	34.6	21.1
AG4907	Asgrow	purple	lt. tawny	brown	black	3000	I	4.9	34.9	21.0
DK 4866	Asgrow	purple	lt. tawny	brown	black	2600	I	4.8	35.4	20.9
DK 5068	Asgrow	white	gray	tan	black	2600	I	5.0	35.3	21.2
Channel 4851R Brand	Channel	purple	lt. tawny	brown	black	2700	I	4.8	34.6	21.2
Channel 4852R Brand	Channel	white	tawny	tan	black	2700	I	4.8	35.8	21.1
RC 4757	Croplan Genetics	Seg.	lt. tawny	tan	black	2600	I	4.7	34.7	21.5
RC 4877	Croplan Genetics	purple	tawny	brown	black	2700	I	4.8	36.1	20.3
DG 4770RR	Delta Grow	purple	tawny	brown	black	3000	I	4.7	35.7	20.4
DG 4780RR	Delta Grow	purple	tawny	brown	black	3000	I	4.7	35.8	20.7
DG 4790RR	Delta Grow	purple	lt. tawny	brown	black	2500	I	4.7	35.6	20.9
DG 4870RR	Delta Grow	white	tawny	brown	black	2800	I	4.8	35.5	20.7
DG 4970RR	Delta Grow	purple	lt. tawny	tan	black	2600	I	4.9	34.4	20.0
DG 4975RR	Delta Grow	purple	lt. tawny	brown	black	3100	I	4.9	34.4	21.6
DK 4770	Delta King	purple	lt. tawny	tan	black	3000	I	4.7	34.8	21.3
DK 4968	Delta King	purple	gray	tan	imp. black	2900	I	4.9	35.1	20.9
Deltapine	DPL 4690	—	—	—	—	3000	—	—	34.7	21.9
DG 32P48	Dyna-Gro	white	tawny	brown	black	2900	I	4.8	35.4	20.8

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

Table 54 (continued). 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			%	%
DG 35Z49	Dyna-Gro	purple	gray	brown	black	2800	I	4.9	34.5	21.1
DG 36Y48	Dyna-Gro	purple	gray	tan	black	2600	I	4.8	34.5	21.8
DG 37P49	Dyna-Gro	purple	tawny	tan	black	3100	I	4.9	34.1	21.9
DG V47N9RS	Dyna-Gro	purple	tawny	brown	black	3400	I	4.7	35.2	21.7
DG V48N7RS	Dyna-Gro	Seg.	lt. tawny	tan	black	3000	I	4.8	34.5	21.7
DG V49N6RR	Dyna-Gro	purple	lt. tawny	brown	black	2700	I	4.9	36.6	19.9
ES 4777RR	Eagle Seed	white	lt. tawny	tan	black	3100	I	4.7	34.6	20.9
ES 4818RR	Eagle Seed	white	tawny	—	black	3400	I	4.8	35.3	20.9
ES 4906RR	Eagle Seed	white	lt. tawny	—	black	3000	I	4.9	35.3	20.8
ES 4922RR	Eagle Seed	—	lt. tawny	—	—	3200	I	4.9	34.6	20.6
ES 4931RR	Eagle Seed	—	lt. tawny	—	—	3000	I	4.9	36.0	20.1
ES 4991RR	Eagle Seed	white	lt. tawny	—	black	3400	I	4.9	35.0	21.2
HBK R4727	Hornbeck	purple	tawny	brown	black	2700	I	4.7	36.0	20.4
HBK R4729	Hornbeck	purple	tawny	tan	brown	4700	I	4.7	36.3	20.4
HBK R4924	Hornbeck	purple	lt. tawny	brown	imp. black	2800	I	4.9	34.9	21.0
JG 481 (E)	JGL	purple	lt. tawny	tan	imp. black	2700	I	4.7	35.4	21.0
JG 482 (E)	JGL	white	tawny	brown	black	2700	I	4.8	36.4	20.3
JG483 (E)	JGL	purple	tawny	brown	black	3000	I	4.9	35.6	20.5
MorSoy RT4707N	MorSoy	purple	tawny	brown	black	2600	I	4.7	34.9	21.3
MorSoy RT4914N	MorSoy	purple	lt. tawny	brown	black	2500	I	4.9	36.0	19.9
MorSoy RT4919N (E)	MorSoy	purple	tawny	brown	black	3000	I	4.9	35.6	20.5
MorSoy RTs4824	MorSoy	purple	lt. tawny	brown	black	2900	I	4.8	35.0	21.1
MorSoy RTs4955N	MorSoy	purple	gray	tan	imp. black	2600	I	4.9	34.7	20.9
NK S48-C9 Brand	NK Brand	white	gray	tan	buff	2900	I	4.8	35.3	20.9
NK S49-H7 Brand	NK Brand	white	tawny	tan	black	2900	I	4.9	34.4	21.2
NK S49-W6 Brand	NK Brand	white	lt. tawny	tan	black	2800	I	4.9	34.3	21.0
94Y70	Pioneer	purple	tawny	brown	black	2900	I	4.7	35.4	21.0
94Y80	Pioneer	purple	tawny	brown	black	2900	I	4.8	34.9	21.5
94Y90	Pioneer	purple	tawny	brown	black	2800	I	4.9	35.1	21.0
95Y01	Pioneer	purple	tawny	brown	black	2500	I	5.0	35.5	20.9
Progeny 4706RR	Progeny	purple	tawny	tawny	black	2600	I	4.7	35.5	20.7
Progeny 4807RR	Progeny	purple	tawny	brown	black	2800	I	4.8	35.7	20.7
Progeny 4906RR	Progeny	purple	tawny	tawny	black	3100	I	4.9	35.2	21.5
Progeny 4908RR (E)	Progeny	white	lt. tawny	brown	black	3000	I	4.9	34.6	21.7
Progeny 4949RR	Progeny	white	tawny	brown	black	2500	I	4.9	35.0	21.4
S06-3929 (E)	Public	purple	tawny	tan	black	3200	I	4.8	35.2	21.1
478.RCS	Schillinger	purple	lt. tawny	tan	black	3000	I	4.7	36.2	20.3
495.RC	Schillinger	purple	lt. tawny	brown	black	2600	I	4.9	36.2	20.1
499.RC	Schillinger	—	—	—	—	2800	I	4.9	35.4	20.6
4880.RC	Schillinger	—	—	—	—	2800	I	4.8	36.1	19.9
4990.RC	Schillinger	—	—	—	—	2500	I	4.9	35.2	20.4
Stine 4782-4	Stine	Seg.	lt. tawny	tan	black	2800	I	4.7	34.9	21.2
TV47R18	Terral	white	tawny	tan	imp. black	3400	I	4.7	34.9	21.3
TV49R17	Terral	white	tawny	brown	black	2900	I	4.9	36.0	20.6
TV49R19	Terral	white	tawny	brown	black	3100	I	4.9	34.1	21.7
Terral-REV 47R11 (E)	Terral-REV	purple	lt. tawny	brown	black	2900	I	4.7	35.5	21.4
Terral-REV 47R21 (E)	Terral-REV	white	lt. tawny	brown	black	2900	I	4.7	34.3	21.5
Terral-REV 48R10 (E)	Terral-REV	white	lt. tawny	brown	black	2900	I	4.8	34.2	22.0
Terral-REV 49R10 (E)	Terral-REV	white	lt. tawny	brown	brown	2300	I	4.9	34.1	22.1
Terral-REV 49R11 (E)	Terral-REV	white	tawny	brown	black	2800	I	4.9	35.7	21.2
Terral-REV 49R20 (E)	Terral-REV	purple	gray	tan	imp. black	2800	I	4.9	35.0	21.5
Terral-REV 49R21 (E)	Terral-REV	purple	gray	tan	black	2600	I	4.9	34.4	20.8
USG 74A76	USG	purple	lt. tawny	tan	black	2700	I	4.7	35.3	20.9
USG 74A79	USG	purple	lt. tawny	brown	black	2600	I	4.7	35.6	20.8
USG 74A91	USG	purple	lt. tawny	tan	black	2800	I	4.9	34.5	21.5
USG 74E88	USG	white	tawny	tan	black	3300	I	4.8	34.8	21.9
USG 74F96	USG	purple	lt. tawny	tan	black	2900	I	4.9	34.4	21.0
VPM 49X1	VP Maxx	white	tawny	brown	black	2500	I	4.9	34.6	21.6

[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 55. 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 554RR	AGS	purple	tawny	tan	black	2500	5.5	37.0	19.5
AGS 568RR	AGS	purple	tawny	tan	black	2800	5.6	37.0	19.6
AV 50X0RR	AgVenture	purple	tawny	brown	black	2700	5.0	37.4	20.3
AV 50X6RR	AgVenture	white	gray	tan	buff	2800	5.0	37.4	19.9
AV 51X5RR/STS	AgVenture	white	tawny	tan	black	3200	5.1	37.4	20.0
AV 54X4RR	AgVenture	purple	tawny	tan	black	2900	5.4	36.6	19.7
Armor 53-Z5	Armor	white	tawny	gray	buff	3100	5.3	37.0	19.8
AG5405	Asgrow	white	gray	tan	buff	3200	5.4	37.0	19.8
AG5503	Asgrow	white	tawny	tan	black	2800	5.5	37.4	20.4
AG5504	Asgrow	—	—	—	—	3100	5.5	36.6	20.0
AG5606	Asgrow	white	tawny	tan	brown	2800	5.6	36.8	20.2
DK5068	Asgrow	white	gray	tan	black	2600	5.0	37.7	19.8
DP 5335RR/S	Asgrow	white	tawny	tan	brown	2200	5.3	37.3	20.0
RC 5007	Croplan Genetics	white	gray	tan	buff	3000	5.0	37.2	19.4
RC 5419	Croplan Genetics	purple	gray	tan	black	2500	5.4	36.5	19.8
RC 5663	Croplan Genetics	purple	tawny	tan	black	2700	5.6	37.0	19.8
DG 5160RR/STS	Delta Grow	purple	gray	brown	black	2600	5.1	37.4	19.6
DG 5170RR	Delta Grow	purple	tawny	brown	black	2600	5.1	37.3	19.8
DG 5280RR	Delta Grow	purple	tawny	tan	black	2600	5.2	37.6	19.7
DG 5300RR/STS	Delta Grow	white	gray	tan	buff	3000	5.3	37.4	19.3
DG 5450RR	Delta Grow	white	gray	tan	buff	3600	5.4	36.4	19.8
DG 5555RR	Delta Grow	purple	gray	brown	imp. black	2900	5.5	36.7	19.9
DK 52K6	Delta King	purple	tawny	brown	black	2800	5.4	36.6	19.7
Delta King GP-500	Delta King	white	brown	tan	black	3300	5.0	37.8	19.8
Delta King GP-533	Delta King	white	brown	tan	brown	3000	5.3	37.2	19.5
DK 5363	Delta King	Seg.	tawny	tan	black	2800	5.3	36.9	20.2
DG 31R54	Dyna-Gro	white	tawny	tan	black	2900	5.4	37.8	19.4
DG 32A53	Dyna-Gro	purple	tawny	tan	black	2200	5.3	36.9	20.0
DG 33B52	Dyna-Gro	white	gray	tan	black	2600	5.2	37.2	19.9
DG 33X55	Dyna-Gro	purple	tawny	tan	black	2700	5.5	37.1	19.4
DG 35F55	Dyna-Gro	purple	gray	tan	black	2600	5.5	36.6	19.5
DG V51N7RS	Dyna-Gro	white	gray	tan	black	3000	5.1	37.2	19.3
ES 5121RR	Eagle Seed	—	gray	—	—	3200	5.1	37.3	19.5
ES 5333RR	Eagle Seed	—	gray	—	—	3500	5.3	36.8	19.6
ES 5370RR	Eagle Seed	—	tawny	—	—	2700	5.3	37.4	19.7
ES 5519RR	Eagle Seed	white	tawny	tan	black	3500	5.5	36.2	19.8
ES 5555RR	Eagle Seed	purple	tawny	brown	black	3100	5.4	37.3	19.4
ES 5507RR	Eagle Seed	—	lt. tawny	—	—	3300	5.5	37.0	19.5
ES 5656RR	Eagle Seed	—	tawny	—	—	3000	5.6	37.0	19.8
HBK R5226	Hornbeck	purple	tawny	tan	black	2400	5.2	36.7	19.7
HBK R5229	Hornbeck	purple	gray	tan	imp. black	3000	5.2	37.3	19.7
HBK R5425	Hornbeck	white	gray	tan	buff	2800	5.4	36.5	19.8
HBK R5525	Hornbeck	purple	tawny	tan	black	2500	5.5	37.1	19.6
MorSoy RT5168	MorSoy	white	gray	tan	buff	2700	5.1	37.9	19.2
MorSoy RT5388N	MorSoy	purple	gray	tan	buff	3100	5.3	37.7	19.7
MorSoy RT5688N	MorSoy	white	gray	tan	buff	2500	5.6	36.4	19.7
NK S52-F2 Brand	NK Brand	purple	tawny	tan	black	2600	5.2	37.5	19.4
NK S54-M7 Brand	NK Brand	purple	tawny	tan	black	3000	5.4	37.4	19.6
95M50	Pioneer	purple	gray	tan	imp. black	2400	5.5	37.4	19.7
95Y30	Pioneer	white	gray	tan	buff	3000	5.3	37.0	19.6
95Y40	Pioneer	white	tawny	brown	black	2600	5.4	37.6	19.5
Progeny 5115RR	Progeny	purple	lt. tawny	brown	black	3000	5.1	37.2	20.0
Progeny 5218RR	Progeny	purple	tawny	tawny	black	2500	5.2	37.1	20.0
Progeny 5309RR (E)	Progeny	white	tawny	tawny	buff	2700	5.3	37.9	19.5
Progeny 5319RR (E)	Progeny	purple	gray	brown	imp. black	2700	5.3	36.8	19.4
Progeny 5409RR (E)	Progeny	—	—	—	—	2500	5.4	37.0	19.4
Progeny 5622RR	Progeny	white	gray	tawny	buff	3000	5.6	36.1	19.9
Progeny 5650RR	Progeny	white	gray	tawny	buff	3100	5.6	35.6	20.2
S06-3027 (E)	Public	white	tawny	tan	black	3300	5.2	37.9	19.7
S06-3095 (E)	Public	purple	tawny	tan	black	3400	5.2	37.8	20.3

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

Table 55 (continued). 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		%	%
5440.RC	Schillinger	—	—	—	—	3000	5.4	37.2	19.4
557.RC	Schillinger	white	gray	tan	imp. black	3000	5.5	37.1	19.2
TV52R79	Terral	white	gray	tan	buff	3200	5.2	37.0	19.7
TV54R28	Terral	purple	tawny	tan	—	2800	5.4	37.1	19.8
TV55R15	Terral	purple	gray	tan	imp. black	2400	5.5	36.3	19.7
TV55R20	Terral	purple	gray	tan	buff	2600	5.2	37.0	19.6
Terral-REV 54R10 (E)	Terral-REV	purple	gray	tan	imp. black	2600	5.4	37.6	19.7
Terral-REV 55R11(E)	Terral-REV	purple	gray	tan	imp. black	2800	5.1	37.2	19.3
USG 7515nRS	USG	purple	gray	tan	imp. black	3000	5.1	37.4	19.5
USG 75M16	USG	white	gray	tan	buff	2600	5.1	37.2	19.7
USG 75M49	USG	white	gray	tan	buff	2800	5.4	37.1	19.6
USG 75Z38	USG	purple	tawny	tan	black	2200	5.3	37.4	19.5
VP Maxx	VPM 52A1	purple	gray	tan	black	2500	5.2	37.3	19.8
VP Maxx	VPM 53A1	purple	gray	tan	imp. black	2600	5.3	37.8	19.3

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

Table 56. 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		%	%
AGS 597	AGS	white	gray	tan	black	2400	5.9	36.4	19.4
AGS 606RR	AGS	white	tawny	tan	black	2700	5.9	37.0	19.0
AG5905	Asgrow	white	tawny	gray	buff	3000	5.9	36.8	19.7
DP 5808RR	Asgrow	white	tawny	brown	black	3200	5.8	37.3	19.5
DP 5915RR	Asgrow	white	tawny	tan	black	2800	5.9	36.5	19.8
DG 5970RR	Delta Grow	white	gray	tan	buff	3200	5.9	36.2	20.0
DG 32B57	Dyna-Gro	purple	tawny	tan	black	2500	5.7	36.3	20.4
DG 33C59	Dyna-Gro	white	gray	tan	black	2800	5.9	36.3	19.9
DG 36N57	Dyna-Gro	purple	tawny	tan	black	2700	5.7	37.1	20.0
DG V59N8RR	Dyna-Gro	—	—	—	—	2800	5.9	36.5	20.0
HBK R5825	Hornbeck	purple	tawny	tan	imp. black	2500	5.8	37.4	19.4
95Y70	Pioneer	white	gray	tan	buff	3200	5.7	35.9	19.8
Progeny 5706RR	Progeny	white	gray	tawny	buff	2900	5.7	35.7	20.3
TV57R16	Terral	purple	tawny	tan	imp. black	2800	5.7	36.7	19.7
TV59R16	Terral	white	gray	tan	buff	2600	5.9	36.3	19.5
USG 75Z98	USG	white	gray	tan	buff	3700	5.9	36.6	19.7

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

Reaction to Diseases

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

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

Stem Canker Score. In addition to the disease ratings, each variety was also assigned a score for its reaction to stem canker.

This score gives an average rating of 40 plants stuck with a toothpick of stem canker inoculum. Stem canker ratings convey the level of tolerance based on the score of the plants tooth picked: VS = 4.6–5.0; S = 2.0–4.5; MS = 1.5–1.9; MR = 1.2–1.4; R = 1.0–1.1.

Some lines or varieties exhibited a range of reactions to stem canker. These findings are expressed with a numeric value in the table (i.e., 1.00-5.00). Five is the highest numeric rating in response to stem canker.

Table 57. 2009 Soybean Stem Canker for Maturity Group IV Conventional Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Brand	Numeric Rating	Variety	Brand	Numeric Rating
DK4866	Asgrow	—	ORLANDO 1048LL	Merschman	1.00
DKB46-51	Asgrow	1.00	Progeny P4910	Progeny	1.00
477.TCS	Emerge Genetics	1.00	LG01-5087-5	Public	1.00
HBK C4926	Hornbeck	1.00	R00-1194F (E)	Public	1.00
HBK C4929	Hornbeck	1.00	UA4805	Public	1.00
ATLANTA 1047RR2Y	Merschman	3.50	MPG-X-45-4 (E)	Super Soy	3.33
AUSTIN 943LL	Merschman	1.00	SS-09L.47N	Super Soy	2.40
HOUSTON 747RR	Merschman	1.10	SS-09L.49N	Super Soy	1.00
MEMPHIS 943RR	Merschman	1.33	SS-10L.49N	Super Soy	1.00
MIAMI 949LL	Merschman	1.00	Halo 4:65LL	US Seeds	1.00
NASHVILLE 749RR	Merschman	1.00	Halo 4:94LL	US Seeds	1.00
NORFOLK 741RR	Merschman	2.50	Susceptible Check		5.00

Table 58. 2009 Soybean Stem Canker for Maturity Group V Conventional Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Brand	Numeric Rating	Variety	Brand	Numeric Rating
DK 52K6	Delta King	1.00	Freedom	Public	—
HBK C5025	Hornbeck	1.00	Hutcheson	Public	1.00
HBK C5029	Hornbeck	1.00	Jake	Public	1.00
HBK C5528	Hornbeck	1.00	N02-417 (E)	Public	1.00
OLYMPUS 1051LL	Merschman	1.25	Osage	Public	1.00
RUSHMORE 959RR	Merschman	1.13	Ozark	Public	1.00
Progeny 5706RR	Progeny	1.00	R04-357 (E)	Public	1.00
Progeny P5770	Progeny	1.00	S05-11268 (E)	Public	1.05
DB03-10440 (E)	Public	1.00	S05-11482 (E)	Public	1.58
DB03-1381 (E)	Public	1.00	V98-2711	Public	1.00
DB03-8416 (E)	Public	1.00	MPG-X-55-1 (E)	Super Soy	1.15
DB04-10836 (E)	Public	1.00	SS-10L.51N	Super Soy	1.00
DB04-10997 (E)	Public	2.00	Halo 5:25LL	US Seeds	1.00
DB04-290 (E)	Public	1.00	Halo 5:65LL	US Seeds	1.00
DS95-217-1-880	Public	1.05	Susceptible Check		5.00

Table 59. 2009 Soybean Stem Canker Rating for Maturity Group IV Early Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Brand	Numeric Rating
AV 45x5RR	AgVenture	1.00
Armor 42-M1	Armor	1.00
Armor ARX 0431 (E)	Armor	1.00
Armor ARX 0432 (E)	Armor	1.00
AG4005	Asgrow	1.00
AG4303	Asgrow	1.00
AG4403	Asgrow	1.30
AG4404	Asgrow	2.18
AG4405	Asgrow	1.00
AG4605	Asgrow	1.00
AG4606	Asgrow	1.00
AG4703	Asgrow	1.43
DKB46-51	Asgrow	1.00
Channel 4551R Brand	Channel	1.00
RC 4417	Croplan Genetics	1.00
DG 4470RR/STS	Delta Grow	1.00
DG4150RR	Delta Grow	1.00
Delta King DK 4560	Delta King	1.00
DK DKX 0461 (E)	Delta King	1.25
DKR 4744s	Delta King	2.25
DG 32R46	Dyna-Gro	1.00
DG 33Y45	Dyna-Gro	1.00
DG 36C44	Dyna-Gro	1.00
DG 37F46	Dyna-Gro	1.00
ES 4333RR	Eagle Seed	1.00
HBK R3927	Hornbeck	1.00
HBK R4527	Hornbeck	1.00
MorSoy RT4485N (E)	MorSoy	1.00
NK S44-D5 Brand	NK Brand	1.00
NK S46-U6 Brand	NK Brand	1.00
94Y01	Pioneer	1.00
94Y20	Pioneer	1.18
Progeny 4206RR	Progeny	1.00
Progeny 4508RR (E)	Progeny	1.98
Progeny 4606RR	Progeny	1.00
Progeny P3909RR (E)	Progeny	1.00
S06-10572 (E)	Public	1.00
457.RCP	Schillinger	1.00
458.RCS (E)	Schillinger	1.00
TV46R15	Terral	1.00
TV46R19	Terral	1.00
Terral-REV 44R11 (E)	Terral-REV	1.00
Terral-REV 45R10 (E)	Terral-REV	1.00
Terral-REV 46R11 (E)	Terral-REV	1.00
USG 74A69	USG	1.63
USG 74C69	USG	1.00
VPM 44X1	VP Maxx	1.00
Susceptible Check		4.60

Table 60. 2009 Soybean Stem Canker Rating for Maturity Group IV Late Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Brand	Numeric Rating
47G3 NRR	AgVenture	1.00
AV EXA49B (E)	AgVenture	1.00
Armor 47-F8	Armor	1.00
Armor 47-R33	Armor	3.05
Armor ARX 0472 (E)	Armor	2.75
Armor 47-G10	Armor	1.00
Armor ARX 0474 (E)	Armor	1.00
AG4703	Asgrow	1.43
AG4903	Asgrow	2.08
AG4907	Asgrow	1.00
DK 5068	Asgrow	1.00
DK4866	Asgrow	2.15
Channel 4851R Brand	Channel	3.30
Channel 4852R Brand	Channel	1.00
RC 4757	Croplan Genetics	1.00
RC 4877	Croplan Genetics	1.00
DG 4780RR	Delta Grow	1.00
DG 4790RR2	Delta Grow	2.90
DG 4870RR	Delta Grow	2.25
DG 4970RR	Delta Grow	1.00
DG 4770RR	Delta Grow	1.68
DG4975LARR	Delta Grow	1.58
Delta King DK 4770	Delta King	1.00
DK 4968	Delta King	1.00
DPL 4690	DPL	1.00
DG 32P48	Dyna-Gro	3.10
DG 35Z49	Dyna-Gro	1.00
DG 36Y48	Dyna-Gro	1.00
DG 37P49	Dyna-Gro	3.10
DG V47N9RS	Dyna-Gro	1.05
DG V48N7RS	Dyna-Gro	1.00
DG V49N6RR	Dyna-Gro	—
ES 4777	Eagle Seed	1.00
ES 4818	Eagle Seed	1.00
ES 4906	Eagle Seed	1.00
ES 4922RR	Eagle Seed	1.00
ES 4931RR	Eagle Seed	1.00
ES 4991	Eagle Seed	1.00
HBK R4727	Hornbeck	1.20
HBK R4729	Hornbeck	1.00
HBK R4924	Hornbeck	1.00
JG 481 (E)	JGL	1.00
JG 482 (E)	JGL	1.00
JG 483	JGL	1.00
MorSoy RT4707N	MorSoy	1.00
MorSoy RT4914N (E)	MorSoy	1.00
MorSoy RT4919N (E)	MorSoy	1.00
MorSoy RT4955N (E)	MorSoy	1.00
MorSoy RTs4824	MorSoy	1.50
NK S49-W6 Brand	NK Brand	1.00
S48-C9 Brand	NK Brand	1.00
S49-H7 Brand	NK Brand	1.00
94Y70	Pioneer	1.00
94Y80	Pioneer	1.00
94Y90	Pioneer	1.00
95Y01	Pioneer	1.00
P4807RR	Progeny	1.00
Progeny 4706RR	Progeny	1.00
Progeny 4906RR	Progeny	2.70
Progeny 4908RR (E)	Progeny	1.00
Progeny 4949RR	Progeny	1.00
S06-3929 (E)	Public	1.00
478.RCS	Schillinger	1.43
4880.RC	Schillinger	1.00
495.RC	Schillinger	1.00
499.RC	Schillinger	1.03
4990.RC	Schillinger	1.00
4782-4	Stine	1.00
TV47R18	Terral	1.00
TV49R17	Terral	1.13
TV49R19	Terral	1.90
Terral-REV 47R11 (E)	Terral-REV	1.00
Terral-REV 47R21 (E)	Terral-REV	1.10
Terral-REV 48R10 (E)	Terral-REV	1.00
Terral-REV 49R10 (E)	Terral-REV	1.00
Terral-REV 49R11 (E)	Terral-REV	1.28
Terral-REV 49R20 (E)	Terral-REV	1.00
Terral-REV 49R21 (E)	Terral-REV	1.00
USG 74A76	USG	1.00
USG 74A79	USG	2.30
USG 74A91	USG	1.95
USG 74E88	USG	1.00
USG 74F96	USG	1.00
VPM 49X1	VP Maxx	1.10
Susceptible Check		5.00

Table 61. 2009 Soybean Stem Canker Rating for Maturity Group V Early Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Brand	Numeric Rating
AGS 554RR	AGS	1.00
AGS 568RR	AgSouth	1.00
AV 50X6RR	AgVenture	1.00
AV 51X5RR	AgVenture	1.00
AV 54X4RR	AgVenture	1.00
Armor 53-Z5	Armor	1.00
AG5405	Asgrow	1.00
AG5503	Asgrow	1.00
AG5504	Asgrow	—
AG5606	Asgrow	1.00
DK 5068	Asgrow	1.00
DP 5335RR/S	Asgrow	1.00
RC 5007	Croplan Genetics	1.00
RC 5419	Croplan Genetics	3.15
RC 5663	Croplan Genetics	1.13
DG 5170RR	Delta Grow	1.00
DG 5280RR	Delta Grow	1.00
DG 5450RR	Delta Grow	1.00
DG 5555RR	Delta Grow	1.25
DG5160RR	Delta Grow	1.00
DG5300RR	Delta Grow	1.00
Delta King GP-500	Delta King	1.00
Delta King GP-533	Delta King	1.00
DK 52K6	Delta King	1.00
DK 5363	Delta King	1.20
DK5068 (Frogeye)	Delta King	1.00
DG 31R54	Dyna-Gro	1.00
DG 32A53	Dyna-Gro	1.00
DG 33B52	Dyna-Gro	1.00
DG 33X55	Dyna-Gro	1.23
DG 35F55	Dyna-Gro	2.48
DG V51N7RS	Dyna-Gro	1.00
ES 5121	Eagle Seed	1.00
ES 5333RR	Eagle Seed	1.00
ES 5370RR	Eagle Seed	1.00
ES 5507RR	Eagle Seed	1.13
ES 5519RR	Eagle Seed	1.00
ES 5555RR	Eagle Seed	1.00
ES 5656RR	Eagle Seed	1.00
HBK R5226	Hornbeck	1.00
HBK R5229	Hornbeck	1.00
HBK R5425	Hornbeck	1.00
HBK R5525	Hornbeck	3.00
MorSoy RT5168N (E)	MorSoy	1.00
MorSoy RT5388N (E)	MorSoy	1.00
MorSoy RT5688N (E)	MorSoy	1.00
NK S52-F2 Brand	NK Brand	1.00
S54-M7 Brand	NK Brand	1.30
95M50	Pioneer	1.00
95Y30	Pioneer	1.00
95Y40	Pioneer	1.00
Progeny 5115RR	Progeny	1.00
Progeny 5218RR (E)	Progeny	1.00
Progeny 5622RR	Progeny	1.43
Progeny 5650RR	Progeny	1.00
Progeny P5309RR (E)	Progeny	1.15
Progeny P5319RR (E)	Progeny	1.13
Progeny P5409RR (E)	Progeny	1.00
S06-3027 (E)	Public	2.45
S06-3095 (E)	Public	1.00
5440.RC	Schillinger	—
557.RC	Schillinger	—
TV52R79	Terral	1.00
TV54R28	Terral	1.00
TV55R15	Terral	2.45
TV55R20	Terral	1.00
Terral-REV 54R10 (E)	Terral-REV	1.00
Terral-REV 55R11 (E)	Terral-REV	1.00
USG 7515nRS	USG	1.00
USG 75M16	USG	1.00
USG 75M49	USG	1.00
USG 75Z38	USG	1.00
VPM 52A1	VP Maxx	1.00
VPM 53A1	VP Maxx	1.00
Susceptible Check		5.00

Table 62. 2009 Soybean Stem Canker Rating for Maturity Group V Late Roundup Ready Soybeans at the Delta Branch Experiment Station, Stoneville.

Variety	Brand	Numeric Rating
AGS 597	AGS	1.00
AGS 606RR	AGS	1.00
AG5905	Asgrow	1.15
DP 5808RR	Asgrow	1.00
DP5915RR	Asgrow	1.30
DG 5970RR	Delta Grow	1.00
DG 32B57	Dyna-Gro	1.00
DG 33C59	Dyna-Gro	1.00
DG 36N57	Dyna-Gro	1.00
DG V59N8RR	Dyna-Gro	1.00
HBK R5825	Hornbeck	1.00
95Y70	Pioneer	1.00
Progeny 5706RR	Progeny	1.00
TV57R16	Terral	1.00
TV59R16	Terral	1.00
USG 75Z98	USG	1.00
Susceptible Check		5.00

Public Varieties Entered

Arkansas Agricultural Experiment Station

Ozark
Osage
UA4805
R00-1194F (Exp.)
R04-357 (Exp.)

University of Missouri

Jake
S05-11268 (Exp.)
S05-11482 (Exp.)
S06-3027 (Exp.)
S06-3095 (Exp.)
S06-3929 (Exp.)
S06-10572 (Exp.)

North Carolina USDA

N02-417 (Exp.)

USDA Agricultural Research Service

DB03-1381 (Exp.)
DB03-8416 (Exp.)
DB03-10440 (Exp.)
DB04-290 (Exp.)
DB04-10836 (Exp.)
DB04-10997 (Exp.)
LG01-5087-5 (Exp.)
DS95-217-1-880 (Exp.)

Virginia Tech

Glenn V98-2711

Commercial Varieties Entered

AgSouth Genetics P.O. Box 72246 Albany, GA 31708-2246	AGS 554RR AGS 568RR AGS 597 AGS 606RR	
AgVenture MidSouth 6933 Sunflower School Rd. Clarksdale, MS 38614	AgVenture AV 45x5RR AgVenture AV 47G3 NRR AgVenture AV 50X0RR AgVenture AV 50X6RR AgVenture AV 51X5RR/STS AgVenture AV 54X4 RR	AgVenture AV EXA49B (Exp.) VP Maxx VPM 44X1 VP Maxx VPM 49X1 VP Maxx VPM 52A1 VP Maxx VPM 53A1
Cache River Valley Seed 12470 Hwy. 226 Cash, AR 72421	MorSoy RT4485N MorSoy RT4707N MorSoy RTs4824 MorSoy RT4914N MorSoy RT4919N (Exp.)	MorSoy RTs4955N MorSoy RT5168N MorSoy RT5388N MorSoy RT5688N
Crop Productin Services 308 East Third St. Leland, MS 38756	Dyna-Gro 31R54 Dyna-Gro 32A53 Dyna-Gro 32B57 Dyna-Gro 32P48 Dyna-Gro 32R46 Dyna-Gro 33B52 Dyna-Gro 33C59 Dyna-Gro 33X55 Dyna-Gro 33Y45 Dyna-Gro 35F55 Dyna-Gro 35Z49	Dyna-Gro 36C44 Dyna-Gro 36N57 Dyna-Gro 36Y48 Dyna-Gro 37F46 Dyna-Gro 37P49 Dyna-Gro V47N9RS Dyna-Gro V48N7RS Dyna-Gro V49N6RR Dyna-Gro V51N7RS Dyna-Gro V59N8RR
Crow's Hybrid 612 E. Dunlap St. Kentland, IN 47951	Channel 4551R Brand Channel 4851R Brand Channel 4852R Brand	
Cullum Seeds LLC P.O. Box 178 Fisher, AR 72429	Armor 42-M1 Armor 47-F8 Armor 53-Z5 Armor ARX 0431 (Exp.) Armor ARX 0432 (Exp.) Armor 47-R33 Armor ARX 0472 (Exp.) Armor 47-G10 Armor ARX 0474 (Exp.)	Delta King GP-500 Delta King GP-533 Delta King DK 4560 Delta King DK 4770 Delta King DK 4968 Delta King DK 52K6 Delta King DK 5363 Delta King DKX 0461 (Exp.) Delta King DKR 4744s
Delta Grow Seed 220 NW 2nd England, AR 72046	DG 4150RR DG 4470RR/STS DG 4770RR DG 4780RR DG 4790RR2 DG 4870RR DG 4970RR DG 4975RR	DG 5160RR/STS DG 5170RR DG 5280RR DG 5300RR/STS DG 5450RR DG 5555RR DG 5970RR
Eagle Seed Company P.O. Box 308 Weiner, AR 72479	ES 4333RR ES 4777RR ES 4818RR ES 4906RR ES 4922RR ES 4931RR ES 4991RR	ES 5121RR ES 5333RR ES 5370RR ES 5507RR ES 5519RR (was ES XVT-19) ES 5555RR (was ES XVT-155) ES 5656RR
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK C4926 HBK C4929 HBK C5025 HBK C5029 HBK C5528 HBK R3927 HBK R4527 HBK R4727 HBK R4729 HBK R4924	HBK R5226 HBK R5229 HBK R5425 HBK R5525 HBK R5825 HALO 4:65LL HALO 4:94LL HALO 5:25LL HALO 5:65LL
JGL, Inc. 1550 Pidco Drive Plymouth, IN 46563	JG 481 (Exp.) JG 482 (Exp.) JG 483 (Exp.)	

Merschman Seeds, Inc. 103 Ave. D, P.O. Box 67 West Point, IA 52656	ATLANTA 1047RR2Y AUSTIN 943LL HOUSTON 747RR MEMPHIS 943RR MIAMI 949LL	NASHVILLE 749RR NORFOLK 741RR OLYMPUS 1051LL ORLANDO 1048LL RUSHMORE 959RR
Midwest Premium Genetics, LLC 523 S. Main, P.O. Box 688 Concordia, MO 64020	SS-09L.47N SS-09L.49N SS-10L.49N	SS-10L.51N MPG-X-45-4 (Exp.) MPG-X-55-1 (Exp.)
Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow AG4005 Asgrow AG4303 Asgrow AG4403 Asgrow AG4404 Asgrow AG4405 Asgrow AG4605 Asgrow AG4606 Asgrow AG4703 Asgrow AG4903 Asgrow AG4907	Asgrow AG5405 Asgrow AG5503 Asgrow AG5606 Asgrow AG5905 Asgrow DK4866 Asgrow DK5068 Asgrow DKB46-51 Asgrow DP5335RR/S Asgrow DP5808RR Asgrow DP5915RR
Pioneer Hi-Bred Int. Inc. 700 Blvd. South, Suite 302 Huntsville, AL 35802	Pioneer variety 94Y01 Pioneer variety 94Y20 Pioneer variety 94Y70 Pioneer variety 94Y80 Pioneer variety 94Y90	Pioneer variety 95M50 Pioneer variety 95Y01 Pioneer variety 95Y30 Pioneer variety 95Y40 Pioneer variety 95Y70
Progeny Ag Products 1529 Hwy 193 South Wynne, AR 72396	Progeny 3909RR (Exp.) Progeny 4206RR Progeny 4508RR Progeny 4606RR Progeny 4706RR Progeny 4807RR Progeny 4906RR Progeny 4908RR Progeny 4910RR Progeny 4949RR	Progeny 5115RR Progeny 5218RR Progeny 5309RR(Exp.) Progeny 5319RR (Exp.) Progeny 5409RR (Exp.) Progeny 5622RR Progeny 5650RR Progeny 5706RR Progeny 5770RR
Schillinger Seed, Inc. 4200 Corporate Drive, Ste. 106 West Des Moines, IA 50266	457.RC 458.RCS 477.TCS 478.RCS 495.RC	499.RC 4880.RC 4990.RC 5440.RC 557.RC
Stine Seed Company 22555 Larado Trail Adel, Iowa 50003	Stine 4782-4	
Syngenta/NK Seed 7500 Olsen Mem. Hwy. Golden Valley, MN 55427	NK S44-D5 Brand NK S46-U6 Brand NK S48-C9 Brand NK S49-H7 Brand	NK S49-W6 Brand NK S52-F2 Brand NK S54-M7 Brand
Terral Seed Company P.O. Box 826 Lake Providence, LA 71254	TV46R15 TV46R19 TV47R18 TV49R17 TV49R19 TV52R79 Terral-REV 44R11 (Exp.) Terral-REV 45R10 (Exp.) Terral-REV 46R11 (Exp.) Terral-REV 47R11 (Exp.) Terral-REV 47R21 (Exp.) Terral-REV 48R10 (Exp.)	TV54R28 TV55R15 TV55R20 TV57R16 TV59R16 Terral-REV 49R10 (Exp.) Terral-REV 49R11 (Exp.) Terral-REV 49R20 (Exp.) Terral-REV 49R21 (Exp.) Terral-REV 54R10 (Exp.) Terral-REV 55R11 (Exp.)
UniSouth Genetics, Inc. 2640-C Nolensville Rd Nashville, TN 37211	USG 74A69 USG 74A76 USG 74A79 USG 74A91 USG 74C69 USG 74E88	USG 74F96 USG 7515nRS USG 75M16 USG 75M49 USG 75Z38 USG 75Z98
Winfield Solutions/ Croplan Genetics 1409 Deering St. Cleveland, MS 38732	Croplan Genetics RC 4417RR Croplan Genetics RC 4757RR Croplan Genetics RC 4877RR Croplan Genetics RC 5007RR Croplan Genetics RC 5419RR Croplan Genetics RC 5663RR	

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