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MISSISSIPPI SOYBEAN

VARIETY TRIALS, 2012

MAFES

Mississippi Agricultural & Forestry Experiment Station • George M. Hopper, Director

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NOTICE TO USER

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

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 72-74 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 72-74.

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Mississippi Soybean Variety Trials, 2012

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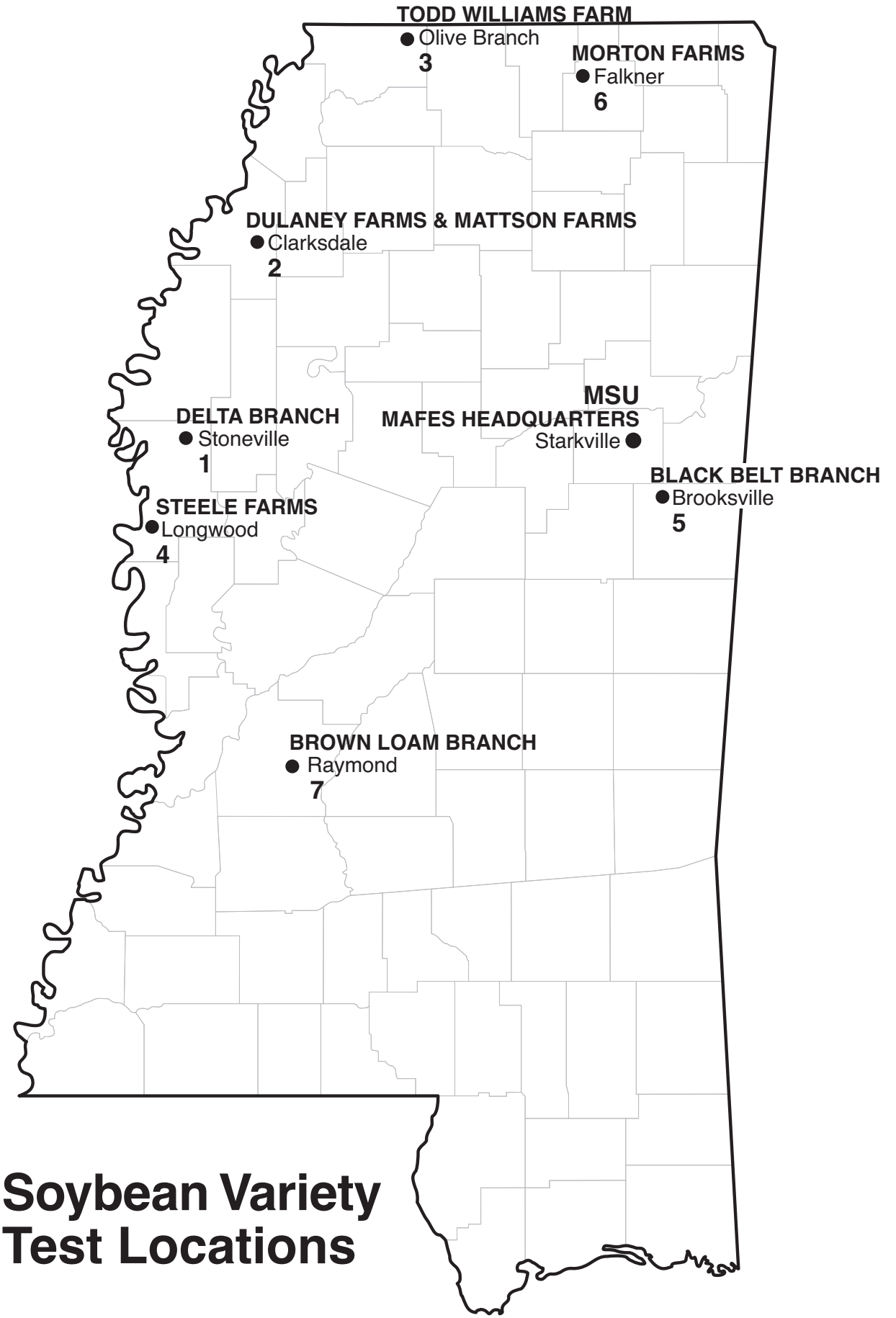

Soybean Variety Test Locations

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Mississippi Soybean Variety Trials, 2012

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 2012 (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 19 inches apart. All irrigated plots were planted to a plot length of 15 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 an insecticide/fungicide before 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 69 to 78 may be used to select varieties that have genetically inherited resistance to the problem. Stem canker and frogeye leaf spot 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 71 to 76 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 65 to 70 give the general characteristics of most varieties grown in Mississippi.

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

Seed Size. There is no relationship between inherited seed size and seed yield. A small-seeded variety may yield as much as or more than a large-seeded variety. The average seed per pound for different varieties is shown in Tables 65 to 70, 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		495.RC
Group V	Osage	REV 56R21

Roundup Ready Test

Maturity Group	Early Check	Late Check
Group IV Early		495.RC
Group IV Late	P94Y40	495.RC
Group V Early	REV 56R21	P95Y70
Group V Late	P95Y70	

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 Conventional for the 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville (clay) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Delta Grow	DG 4867LL	64.5	28.4	46.4	58.1	68.1	63.1		54.8
Delta Grow	DG 4967LL	66.5	37.0	51.7	59.0	76.6	67.8		59.8
Delta Grow	DG 4990LL	68.5	35.4	52.0	57.3	73.0	65.2		58.6
GoSoy	4411LL	59.6	33.4	46.5	58.3	71.2	64.7		55.6
GoSoy	4711LL	65.0	31.8	48.4	57.3	67.6	62.5		55.4
GoSoy	4812LL	64.9	34.2	49.6	54.7	75.8	65.3		57.4
GoSoy	4910LL	65.9	45.8	55.9	50.4	73.4	61.9		58.9
GoSoy	4912LL	66.3	37.4	51.9	59.9	80.5	70.2		61.0
Progeny	Progeny 4819LL	64.4	30.7	47.6	57.1	68.1	62.6		55.1
Progeny	Progeny 4928LL	68.7	36.2	52.5	56.6	67.5	62.1		57.3
University of Arkansas	R05-3239	70.0	40.5	55.3	61.4	68.5	64.9		60.1
University of Arkansas	R05-4114	60.0	43.4	51.7	56.4	70.7	63.6		57.6
US Seeds	Halo 4:65	60.6	37.2	48.9	58.6	71.3	65.0		56.9
US Seeds	Halo 4:94	72.3	34.0	53.2	57.4	71.6	64.5		58.9
US Seeds	Halo X456	64.1	33.5	48.8	60.7	72.1	66.4		57.6
US Seeds	Halo X478	65.3	32.0	48.7	62.6	74.4	68.5		58.6
US Seeds	Halo 4:95	64.4	31.2	47.8	56.0	76.5	66.2		57.0
US Seeds	Halo 5:01	65.4	37.8	51.6	61.1	74.6	67.8		59.7
USDA-ARS	LG04-1459-8	59.2	11.5	35.4	61.9	64.1	63.0		49.2
USG	USG 74G82L	59.6	34.4	47.0	52.7	72.8	62.8		54.9
Mean		64.8	34.3	47.2	57.9	71.9	61.8		54.5
LSD (.10)		6.3	5.8		9.5	8.6			
Error df		38	38		38	38			
CV (%)		7	12.4		11.9	8.7			
R square (%)		53.5	85.7		30.5	49.5			

Table 2. Summary of Yields for Maturity Group V Conventional/LL for the 2012 Mississippi Soybean Variety Trials

Brand	Variety	Longwood Irr.	Stoneville (clay) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Delta Grow	DG5461LL	70.9	41.4	56.2	57.0	83.7	70.4		63.3
Dyna-Gro	34LL53	69.6	33.1	51.4	46.4	54.2	50.3		50.8
GoSoy	5010LL	64.3	41.4	52.9	68.9	72.8	70.8		61.9
GoSoy	5111LL	68.4	39.6	54.0	37.7	71.4	54.6		54.3
GoSoy	5410LL	70.5	37.9	54.2	62.9	72.4	67.6		60.9
Progeny	P5160LL (E)	72.1	36.0	54.0	38.3	66.1	52.2		53.1
Progeny	P5460LL (E)	67.8	41.7	54.8	54.3	71.0	62.7		58.7
Progeny	P5960LL (E)	63.9	45.4	54.7	50.8	69.4	60.1		57.4
University of Arkansas	Osage	71.7	47.2	59.5	60.6	76.8	68.7		64.1
University of Arkansas	Ozark	65.1	45.1	55.1	65.9	74.6	70.3		62.7
University of Arkansas	UA5612	64.6	51.6	58.1	54.8	75.9	65.4		61.7
University of Missouri	S08-X17371	69.7	38.6	54.2	76.9	75.6	76.2		65.2
US Seeds	Halo 5:25	70.7	37.4	54.1	53.1	66.2	59.7		56.9
US Seeds	Halo 5:45	62.9	49.5	56.2	53.8	61.4	57.6		56.9
US Seeds	Halo 5:01	70.3	36.7	53.5	66.9	74.6	70.8		62.1
US Seeds	Halo 5:26	65.1	38.1	51.6	49.0	64.9	57.0		54.3
US Seeds	Halo X55	63.4	47.6	55.5	46.6	70.4	58.5		57.0
USDA-ARS	DB03-8416(E)	62.8	45.0	53.9	68.6	74.8	71.7		62.8
USDA-ARS	DB04-10836(E)	57.6	42.6	50.1	69.6	91.8	80.7		65.4
USDA-ARS	DB05X039-36	65.6	50.2	57.9	62.6	74.3	68.4		63.2
USDA-ARS	DB05X039-5	67.4	49.1	58.2	65.1	80.8	73.0		65.6
USDA-ARS	JTN-4307	51.1	32.9	42.0	51.9	78.1	65.0		53.5
USDA-ARS	JTN-4408	57.7	36.8	47.3	68.5	65.6	67.0		57.1
Mean		65.8	41.9	51.4	57.8	72.5	62.1		56.8
LSD (.10)		5.6	5.7		10.1	10.1			
Error df		44	44		44	44			
CV (%)		6.2	9.8		12.8	10.1			
R square (%)		72.1	78.8		78.4	63.9			

Table 3. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville Nonirr.	Stoneville (cotton) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AGS	AGS 43R212	61.5	52.2	37.8	37.3	36.1	66.8	48.6	59.0	73.3	38.5	73.9	61.2	53.6
AGS	AGS 45R212	56.4	52.1	66.7	40.5	42.8	68.8	54.5	63.2	64.3	27.7	61.9	54.3	54.4
Armor	44-R08	59.7	56.7	50.9	43.4	31.3	69.4	51.9	59.3	69.7	30.2	71.6	57.7	54.2
Armor	46-R64	64.9	65.3	64.7	34.5	31.9	71.1	55.4	64.2	70.5	37.7	79.2	62.9	58.4
Armor	X1303	58.0	46.8	44.2	39.4	33.3	59.8	46.9	56.3	70.6	27.3	61.6	53.9	49.7
Asgrow	AG 4232	61.0	71.3	41.0	45.0	34.2	65.6	53.0	64.4	84.6	34.2	71.8	63.8	57.3
Asgrow	AG 4433	55.2	58.5	45.7	42.3	32.5	69.6	50.6	68.2	75.2	31.2	56.2	57.7	53.4
Asgrow	AG 4533	55.8	56.9	61.0	48.7	37.9	71.3	55.3	62.8	59.8	37.9	67.5	57.0	56.0
Asgrow	AG 4633	60.6	46.4	35.3	43.4	31.6	62.4	46.6	60.9	63.1	20.5	77.7	55.5	50.2
Asgrow	AG4531	58.2	63.4	57.4	43.7	37.5	65.9	54.3	70.2	64.1	41.9	88.4	66.2	59.1
Asgrow	AG4632	70.2	55.4	65.8	44.3	31.8	69.5	56.2	66.6	82.2	36.3	73.6	64.7	59.6
Croplan Genetics	R2C 4391	57.6	61.9	51.0	40.0	32.5	69.4	52.0	59.4	67.1	33.1	67.9	56.9	54.0
Croplan Genetics	R2C 4541	67.2	63.6	60.9	37.6	37.3	69.6	56.0	70.6	72.5	29.3	68.0	60.1	57.6
Delta Grow	DG 4575R2Y	56.0	59.9	47.3	37.5	40.2	60.4	50.2	64.7	65.5	30.0	67.5	56.9	52.9
Delta Grow	DG 4670R2Y	68.5	65.7	67.6	37.4	38.7	69.8	57.9	59.0	78.2	27.4	73.0	59.4	58.5
Dyna-Gro	31RY45	60.9	67.0	61.4	42.6	32.9	71.8	56.1	68.8	73.8	31.0	77.7	62.8	58.8
Dyna-Gro	39RY43	57.2	52.1	53.4	50.4	30.1	71.6	52.5	61.7	70.1	28.5	61.7	55.5	53.7
Dyna-Gro	S44RS93	60.7	58.6	45.5	38.2	29.3	62.3	49.1	64.9	71.4	30.8	76.4	60.9	53.8
Hornbeck	HBK RY4620	64.3	68.5	49.1	27.6	33.7	67.6	51.8	63.3	71.5	35.7	75.7	61.6	55.7
Morsoy Xtra	46X29	58.1	59.7	50.7	34.9	42.3	65.5	51.9	69.0	70.8	39.3	79.8	64.7	57.0
Morsoy Xtra	46X71	59.6	57.9	54.4	26.9	30.5	67.7	49.5	62.5	81.0	46.2	78.3	67.0	56.5
Morsoy Xtra	R2 44X82	60.7	62.1	50.7	52.0	36.7	65.5	54.6	56.5	72.0	32.9	61.6	55.7	55.0
NK Brand	S44-D5 Brand	62.6	58.8	57.9	38.1	29.0	59.3	51.0	65.9	64.2	33.6	66.2	57.5	53.6
NK Brand	S46-T3	53.5	63.5	52.3	40.5	36.8	65.5	52.0	54.9	77.3	29.9	67.7	57.5	54.2
Pioneer	93Y84	39.0	38.4	36.8	43.8	25.8	55.0	39.8	41.4	70.5	20.4	42.9	43.8	41.4
Pioneer	93Y92	47.5	46.8	41.8	42.3	31.3	63.6	45.6	42.9	61.5	27.3	49.9	45.4	45.5
Pioneer	94Y23	55.0	46.0	31.2	38.6	23.3	60.8	42.5	53.5	55.9	38.1	58.2	51.4	46.1
Pioneer	94Y40	47.7	63.5	47.0	27.5	24.5	62.3	45.4	59.2	61.3	27.5	58.9	51.7	48.0
Pioneer	94Y50	56.1	53.6	45.5	43.0	33.7	68.5	50.0	67.3	85.6	32.4	65.7	62.7	55.1
Pioneer	94Y61	55.7	58.4	54.1	32.2	41.9	69.0	51.9	58.0	71.2	35.0	66.8	57.8	54.2
Progeny	Progeny 4211RY	59.2	52.8	51.1	41.4	25.8	69.4	50.0	55.6	69.2	29.2	64.5	54.6	51.8
Progeny	Progeny 4510RY	61.5	60.8	58.2	38.6	33.9	67.0	53.3	65.4	69.4	39.6	73.6	62.0	56.8
Progeny	Progeny 4611RY	59.5	54.3	62.5	30.8	33.2	63.4	50.6	68.2	60.2	41.8	77.2	61.9	55.1
Schillinger	457.RCP	63.9	55.2	45.3	33.9	33.2	57.5	48.2	57.6	72.5	28.4	72.0	57.6	52.0
University of Missouri	S08-X14117	52.9	52.1	40.6	35.9	29.6	64.0	45.8	58.7	59.6	30.8	63.2	53.1	48.7
Overall Mean		58.5	57.3	51	39.3	33.3	65.9	49.5	61.3	70	32.6	68.5	56.3	52.2
LSD (.10)		8.1	12.2	8.6	6	7.3	5.6		7.4	14.1	7.1	11.8		
Error df		68.0	68.0	68.0	68.0	68.0	68.0		68.0	68.0	68.0	68.0		
CV (%)		10.1	15.6	12.4	11.3	16	6.3		8.9	14.9	15.9	12.7		
R square (%)		61.7	60.8	77.2	73	55.4	62.6		77.1	49.4	66.2	74.1		

Table 4. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2012 Mississippi Soybean Variety Trials.[1]

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville Nonirr.	Stoneville (cotton) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AGS	AGS 47R212	64.6	50.6	55.0	25.4	42.1	60.8	49.7	54.6	59.8	38.8	64.3	54.4	51.6
Armor	48-R91	69.0	56.8	68.7	36.4	39.9	62.6	55.6	64.9	68.6	32.0	64.4	57.5	56.3
Armor	DK4744	68.1	61.8	71.7	42.3	43.3	64.7	58.6	65.7	67.5	31.8	75.7	60.2	59.3
Armor	X1306	63.3	65.3	70.7	43.3	49.4	64.8	59.5	62.4	56.3	25.1	55.7	49.9	55.6
Armor	X1307	69.5	60.2	71.7	39.4	40.5	60.7	57.0	72.5	66.7	30.8	69.9	60.0	58.2
Armor	X1308	70.1	62.4	64.3	37.1	37.9	63.7	55.9	60.2	61.6	29.3	65.2	54.1	55.2
Armor	X1309	64.1	64.5	57.6	30.3	40.2	55.0	52.0	66.8	75.6	34.6	72.5	62.4	56.1
Armor	49-R56	70.6	54.1	77.5	41.1	49.4	70.1	60.5	58.0	58.6	40.0	55.2	52.9	57.5
Armor	X1311	63.7	54.3	64.4	32.1	40.7	60.6	52.6	56.4	56.4	23.7	54.1	47.7	50.6
Armor	X1312	58.7	57.7	70.3	40.0	39.7	52.8	53.2	65.1	65.6	34.3	58.5	55.9	54.3
Asgrow	AG 4832	73.4	67.3	67.9	39.8	42.6	61.2	58.7	60.4	71.5	25.5	68.4	56.5	57.8
Asgrow	AG 4933	70.0	56.3	69.7	39.0	34.3	62.1	55.2	63.6	63.8	23.8	67.9	54.8	55.0
Asgrow	AG4732	58.0	58.3	69.2	41.8	43.7	59.5	55.1	66.6	66.9	32.0	59.4	56.3	55.6
Croplan Genetics	R2C 4752S	73.4	69.6	66.4	35.2	41.5	61.2	57.9	74.2	69.0	22.2	65.8	57.8	57.8
Croplan Genetics	R2C4801	61.7	58.2	67.8	32.5	45.5	61.8	54.6	64.5	57.9	24.8	57.9	51.3	53.3
Croplan Genetics	R2T4799S	70.7	64.0	68.1	39.8	45.5	62.0	58.4	59.6	64.7	35.7	53.7	53.4	56.4
Delta Grow	DG 4715R2Y	57.3	65.4	74.1	39.6	51.4	66.5	59.0	59.5	64.6	26.0	50.7	50.2	55.5
Delta Grow	DG 4755 R2Y	55.5	56.9	66.1	44.2	44.9	63.7	55.2	62.1	66.7	21.8	51.9	50.6	53.4

[1](E) = Experimental.

Table 4 (cont.). Summary of Yields for Maturity Group IV Late Roundup Ready for the 2012 Mississippi Soybean Variety Trials.[1]

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville Nonirr.	Stoneville (cotton) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Delta Grow	DG 4765 R2Y/STS	52.7	67.9	71.5	38.6	44.6	60.6	56.0	82.2	66.2	23.4	70.3	60.5	57.8
Delta Grow	DG 4815R2Y	62.0	51.1	61.9	26.2	40.0	58.5	49.9	53.4	54.6	20.5	65.8	48.6	49.4
Delta Grow	DG 4825 R2Y/STS	60.8	42.3	71.6	38.6	53.2	61.4	54.6	70.9	70.8	44.0	78.5	66.1	59.2
Delta Grow	DG 4870 R2Y	62.2	66.3	66.9	36.1	37.1	64.3	55.5	58.8	66.2	29.8	45.6	50.1	53.3
Delta Grow	DG 4880RR	67.2	46.3	64.4	37.0	36.8	60.9	52.1	55.8	61.4	45.3	66.1	57.1	54.1
Delta Grow	DG 4925 R2Y	56.6	58.5	72.2	37.7	46.0	62.6	55.6	65.1	64.0	27.8	63.5	55.1	55.4
Delta Grow	DG 4970RR	59.8	53.9	68.7	30.2	37.5	59.1	51.5	71.0	69.4	48.5	61.7	62.6	56.0
Delta Grow	DG 4980 R2Y	53.6	62.8	60.9	35.6	34.2	57.1	50.7	53.2	55.5	30.5	64.6	51.0	50.8
Delta Grow	DG4770RR	64.5	52.3	66.0	37.9	28.1	56.3	50.8	52.2	58.9	28.3	59.4	49.7	50.4
Delta Grow	DG4975RR	52.2	56.4	66.4	31.1	40.2	56.7	50.5	52.6	58.4	32.7	66.9	52.6	51.4
Dyna-Gro	33RY47	57.4	52.7	64.3	38.5	41.9	63.5	53.0	66.1	59.1	24.5	64.4	53.5	53.2
Dyna-Gro	DG 37RY47	60.6	49.1	65.5	41.2	41.4	63.4	53.5	62.7	70.2	23.3	69.3	56.3	54.7
Dyna-Gro	S47RY13	64.6	59.9	67.8	47.2	45.5	68.3	58.9	65.3	63.9	25.2	59.7	53.5	56.7
Dyna-Gro	S48RS53	74.9	62.7	65.3	40.0	39.7	57.6	56.7	64.1	75.0	29.7	80.3	62.3	58.9
Great Heart Seed	GT-478CR2	65.3	51.8	57.0	24.6	41.5	55.9	49.3	51.3	72.3	29.2	64.5	54.3	51.3
Hornbeck	HBK R4924	62.7	59.2	58.4	32.4	39.6	52.4	50.8	56.6	74.4	32.4	68.0	57.8	53.6
Hornbeck	HBK RY4721	62.8	36.8	63.2	38.0	39.9	59.1	49.9	58.9	75.4	25.2	55.2	53.7	51.4
JGL	JG 481 (E)	52.1	60.7	65.4	34.0	43.5	62.0	53.0	60.1	61.6	26.9	54.7	50.8	52.1
JGL	JGL 480(E)	66.3	51.1	65.4	33.8	44.8	61.6	53.8	65.2	60.1	38.1	58.8	55.5	54.5
Morsoy Xtra	R2 47X12	76.0	60.8	73.9	39.8	39.9	59.6	58.3	77.3	80.1	29.9	65.0	63.1	60.2
Morsoy Xtra	R2 48X02	59.8	57.9	64.4	44.1	47.0	73.7	57.8	66.1	70.8	32.3	51.2	55.1	56.7
Morsoy Xtra	R247X31	60.1	56.9	60.4	35.8	39.7	65.7	53.1	63.6	61.9	17.3	75.5	54.6	53.7
Morsoy Xtra	R248X00	56.8	55.2	73.6	40.8	40.4	56.2	53.8	64.9	65.5	30.0	67.9	57.1	55.1
NK Brand	S46-A1	50.8	47.5	61.5	33.4	37.1	58.6	48.1	58.4	68.5	33.2	68.6	57.2	51.8
NK Brand	S49-F8	69.0	63.2	64.8	41.9	34.3	59.2	55.4	50.7	72.0	36.7	72.9	58.1	56.5
Pioneer	94Y70	55.2	51.7	54.5	39.1	33.8	62.6	49.5	49.8	65.7	26.6	71.2	53.4	51.0
Pioneer	94Y80	59.0	60.2	56.7	40.7	41.9	60.4	53.1	57.5	44.9	24.5	78.5	51.3	52.4
Pioneer	94Y82	48.7	69.4	70.0	26.2	47.4	59.5	53.5	62.5	67.4	33.8	73.0	59.2	55.8
Pioneer	94Y90	57.9	56.5	52.9	37.7	36.0	57.4	49.7	62.7	67.6	34.0	69.7	58.5	53.2
Progeny	P4710RY (E)	69.9	62.6	69.7	35.9	40.7	56.1	55.8	61.7	67.6	45.7	65.5	60.1	57.5
Progeny	P4920RY (E)	65.6	63.9	60.6	32.6	36.6	54.1	52.3	57.1	61.3	27.8	72.6	54.7	53.2
Progeny	4747RY	62.5	65.1	72.9	45.3	45.4	69.8	60.2	60.4	64.7	29.8	60.7	53.9	57.7
Progeny	4814RY	58.7	53.4	54.5	27.9	34.9	69.3	49.8	56.8	59.1	25.4	56.7	49.5	49.7
Progeny	4850RY	65.6	49.4	69.2	41.6	42.3	62.4	55.1	78.0	71.3	21.5	60.9	57.9	56.2
Progeny	4900RY	68.4	59.3	77.1	39.6	56.5	65.0	61.0	59.3	56.8	28.8	54.5	49.9	56.5
REV®	47R74™	64.5	54.7	59.8	38.7	41.5	55.3	52.4	60.6	63.9	32.2	68.0	56.2	53.9
REV®	49R54™	62.4	59.9	62.6	39.6	41.5	51.1	52.9	70.2	63.2	32.0	66.5	58.0	54.9
REV®	46R73 ™	48.3	42.8	58.7	40.2	55.6	53.6	49.8	56.8	58.4	24.0	64.4	50.9	50.3
REV®	47R53 ™	63.5	58.3	62.9	36.4	47.0	55.7	54.0	54.4	61.1	28.8	69.1	53.4	53.7
REV®	48R10 ™	59.5	52.6	61.2	30.4	31.9	54.3	48.3	57.2	66.2	24.0	64.3	52.9	50.2
REV®	48R22 ™	57.8	59.6	64.4	33.8	37.5	54.7	51.3	62.6	68.5	22.9	65.2	54.8	52.7
REV®	48R33 ™	53.4	62.6	54.2	38.2	40.0	62.2	51.8	60.8	73.6	34.5	64.8	58.4	54.4
REV®	49R11 ™	51.6	44.5	52.4	27.5	38.0	58.8	45.5	50.9	63.5	25.6	43.2	45.8	45.6
REV®	49R22 ™	54.2	48.8	64.8	35.5	33.4	52.9	48.3	59.0	66.8	32.4	67.6	56.4	51.5
REV®	49R43 ™	61.9	59.8	61.1	40.5	32.9	56.4	52.1	57.1	64.1	15.1	68.4	51.2	51.7
Schillinger	478.RCS	58.9	45.8	66.6	33.0	34.6	56.9	49.3	75.3	68.6	27.6	67.3	59.7	53.5
Schillinger	495.RC	57.3	63.9	66.0	34.2	43.8	56.1	53.5	61.4	62.9	48.9	60.6	58.4	55.5
Schillinger	4990.RC	61.5	45.2	61.4	32.4	35.9	53.2	48.2	53.3	70.9	40.8	69.7	58.7	52.4
Univ of Missouri	S08-X2499	60.7	44.7	68.0	30.8	37.6	55.8	49.6	60.8	78.3	43.3	84.3	66.6	56.4
USG	74H81	49.6	55.2	57.6	39.9	34.1	61.4	49.6	50.2	68.9	18.6	68.8	51.6	50.4
USG	USG 74A79R	56.8	62.2	62.9	36.8	36.6	56.2	51.9	59.5	73.2	27.6	59.5	55.0	53.1
Overall Mean		61.5	56.8	65.0	36.6	40.9	60.0	52.8	61.4	65.5	30.0	64.4	54.6	53.5
LSD (.10)		10.8	12.6	7.2	5.7	9.3	6.3		8.2	11.3	6.7	14.8		
Error df		136.0	136.0	136.0	136.0	136.0	136.0		136.0	136.0	136.0	136.0		
CV (%)		13.0	16.4	8.2	11.4	16.8	7.8		9.9	12.8	16.7	17.0		
R square (%)		51.5	47.5	69.4	70.0	49.5	61.4		77.1	48.6	76.7	52.1		

[1](E) = Experimental.

Table 5. Summary of Yields for Maturity Group V Early Roundup Ready for the 2012 Mississippi Soybean Variety Trials.[1]

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (cotton) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor	53-R15	59.4	56.9	39.6	54.2	52.6	48.2	75.0	26.6	71.1	55.2		53.9
Armor	53-R88	56.1	55.6	32.4	48.6	48.2	47.0	87.2	37.7	66.1	59.5		53.8
Armor	55-R22	54.7	62.8	45.2	52.3	53.8	58.6	77.5	28.5	67.7	58.1		55.9
Armor	X1312	64.4	50.0	40.9	59.9	53.8	48.7	88.9	27.9	57.0	55.6		54.7
Armor	X1313	60.3	57.1	45.6	60.8	55.9	45.9	71.4	25.9	53.6	49.2		52.6
Armor	X1314	70.5	46.6	50.8	55.0	55.7	46.9	58.0	44.1	63.8	53.2		54.5
Armor	X1315	64.3	37.6	47.9	58.2	52.0	59.0	72.7	38.1	63.5	58.3		55.2
Armor	X1316	67.7	66.1	49.1	55.1	59.5	51.7	77.0	26.7	57.2	53.1		56.3
Asgrow	AG5233	60.9	58.7	42.1	63.7	56.3	44.0	79.2	23.1	65.1	52.8		54.6
Asgrow	AG5332	59.4	71.2	41.6	55.2	56.8	53.6	61.8	25.4	64.5	51.3		54.1
Asgrow	AG5533	63.2	65.1	45.4	55.9	57.4	49.0	71.1	38.2	63.7	55.5		56.4
Asgrow	AG5633	64.8	62.9	42.3	49.7	54.9	51.9	71.2	26.4	64.2	53.4		54.2
Croplan Genetics	R2C 5081	64.5	60.5	44.8	57.6	56.9	48.8	83.9	24.0	52.7	52.3		54.6
Croplan Genetics	R2C5371	72.3	57.3	47.1	55.9	58.2	34.4	83.7	30.9	74.4	55.8		57.0
Delta Grow	DG 5175R2Y	55.3	60.2	45.3	61.1	55.5	39.5	69.4	28.1	56.9	48.5		52.0
Delta Grow	DG 5475Ry2	63.1	58.1	47.3	61.3	57.4	49.8	70.0	38.1	61.6	54.9		56.2
Delta Grow	DG 5535R2Y	59.6	40.4	49.2	57.1	51.6	56.3	63.7	46.9	58.7	56.4		54.0
Delta Grow	DG 5555RR	65.2	59.0	45.8	47.8	54.5	48.6	89.3	51.9	66.1	64.0		59.2
Delta Grow	DG 5556RR	66.3	59.3	47.5	52.1	56.3	54.9	82.0	49.8	74.2	65.3		60.8
Delta Grow	DG5160RR/STS	54.7	59.0	31.7	53.5	49.7	52.6	76.1	25.3	56.8	52.7		51.2
Delta Grow	DG5300RR/STS	60.7	53.1	41.9	51.6	51.8	49.2	77.6	22.2	58.0	51.8		51.8
Dyna-Gro	32RY55	63.4	73.3	45.9	53.4	59.0	62.2	84.8	40.4	76.3	65.9		62.5
Dyna-Gro	35RY51	64.1	61.4	45.2	60.9	57.9	47.5	70.7	42.1	64.9	56.3		57.1
Dyna-Gro	37RY52	66.3	59.5	40.6	51.7	54.5	45.4	58.8	50.0	58.5	53.2		53.9
Dyna-Gro	S53RY23	57.3	66.0	43.2	61.6	57.0	50.9	75.1	38.2	52.4	54.1		55.6
Dyna-Gro	S54RY43	65.5	61.2	50.4	58.2	58.8	55.9	63.6	42.0	74.6	59.0		58.9
Great Heart Seed	GT-500CR2	63.3	61.1	39.8	66.1	57.6	54.9	82.8	28.5	50.3	54.1		55.8
Great Heart Seed	GT-550CR2	63.5	43.5	42.8	50.2	50.0	53.5	69.3	31.8	55.6	52.6		51.3
Hornbeck	HBK RY5221	60.3	61.6	36.5	58.1	54.1	54.3	67.3	24.2	39.8	46.4		50.3
Hornbeck	HBK RY5421	63.9	60.7	39.5	55.4	54.9	45.7	76.6	16.9	60.0	49.8		52.3
Hornbeck	HBK RY5521	56.9	49.5	42.8	56.9	51.5	53.7	75.4	18.1	68.9	54.0		52.8
MorSoy	RT 5429N	62.3	64.5	48.1	53.4	57.1	51.1	93.6	26.6	50.1	55.4		56.2
Morsoy Xtra	54X41	61.4	65.0	50.5	49.9	56.7	51.7	85.6	22.0	65.8	56.3		56.5
Morsoy Xtra	R2 51X52	68.8	60.4	45.2	53.8	57.1	55.1	85.8	29.4	55.6	56.5		56.8
Morsoy Xtra	R2 53X82	57.8	53.6	50.1	58.5	55.0	54.3	69.3	35.4	54.3	53.3		54.2
NK Brand	NK S56-G6 Brand	55.8	64.7	42.0	51.0	53.4	44.3	87.3	29.2	57.6	54.6		54.0
NK Brand	S51-H9	60.5	61.2	46.8	65.4	58.5	51.6	63.4	47.5	52.5	53.7		56.1
Pioneer	95Y01	61.4	62.3	35.7	64.2	55.9	52.5	66.9	32.5	56.0	52.0		54.0
Pioneer	95Y10	62.9	54.2	44.1	63.9	56.3	51.6	65.5	26.3	56.3	49.9		53.1
Pioneer	95Y30	60.9	61.3	40.1	51.5	53.4	54.0	63.3	29.8	50.5	49.4		51.4
Pioneer	95Y40	57.3	72.4	42.0	55.9	56.9	54.4	78.6	31.4	68.5	58.2		57.6
Pioneer	95Y50	64.0	67.8	50.8	55.9	59.6	49.0	58.3	40.1	51.2	49.6		54.6
Progeny	5388RY	58.0	45.4	38.7	51.1	48.3	55.3	93.5	41.9	59.7	62.6		55.4
Progeny	P5210RY (E)	53.5	58.4	38.4	55.8	51.5	47.9	73.5	30.9	65.7	54.5		53.0
Progeny	P5610RY (E)	63.7	65.4	48.0	50.7	56.9	55.9	92.9	39.9	71.8	65.1		61.0
Progeny	Progeny 5111RY	61.4	60.1	42.9	59.2	55.9	51.9	81.9	36.3	57.8	57.0		56.4
Progeny	Progeny 5412RY	64.6	31.5	49.1	61.3	51.6	55.7	74.6	32.7	71.9	58.7		55.2
Progeny	Progeny 5655RY	57.9	43.7	40.8	55.6	49.5	56.2	77.6	44.2	65.8	60.9		55.2
REV ®	51R53™	60.8	57.3	43.4	61.7	55.8	51.6	97.3	25.1	68.4	60.6		58.2
REV ®	54R84 ™	60.4	69.4	42.8	54.6	56.8	45.1	85.6	32.0	66.8	57.4		57.1
REV ®	55R53™	65.9	73.4	46.7	58.4	61.1	59.6	78.9	44.0	75.2	64.4		62.8
REV ®	55R83™	66.5	67.8	48.4	48.5	57.8	56.8	83.9	44.1	75.7	65.2		61.5
REV ®	56R63™	59.7	62.1	52.1	55.1	57.2	44.6	76.8	44.3	63.6	57.3		57.3
REV ®	56R21 ™	66.5	68.2	43.7	50.3	57.2	47.2	92.2	37.4	67.9	61.2		59.2
Schillinger	5220.RC	58.9	60.9	39.9	51.9	52.9	51.5	65.9	24.4	44.6	46.6		49.7
University of Arkansas	R04-1268RR	54.3	52.2	32.2	45.6	46.1	48.3	63.1	23.3	52.1	46.7		46.4
University of Arkansas	R09-1607RR	59.5	56.6	41.9	43.7	50.4	47.9	75.1	28.7	49.4	50.2		50.3
USG	75J62R	48.2	63.2	40.1	54.9	51.6	51.3	84.2	44.9	47.9	57.1		54.3
USG	75Q42R	69.0	55.6	42.9	61.6	57.3	50.2	64.2	30.5	70.8	53.9		55.6
Mean		61.6	58.8	43.5	55.7	54.1	55.3	75.9	33.5	61.2	54.5		54.3
LSD (.10)		9.2	8	4.4	4.5		12	14.8	8.6	15.1			
Error df		116	116	116	116		116	116	116	116			
CV (%)		11	10.1	7.5	6		16.1	14.4	19	18.2			
R square (%)		45.4	75.6	77.3	77.8		58.5	56.7	74.5	54.6			

[1](E) = Experimental.

Table 6. Summary of Yields for Maturity Group V Late Roundup Ready for the 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (cotton) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Asgrow	AG5831	58.0	61.8	42.5	49.1	52.9	59.1	71.2	41.6	61.3	58.3		55.6
Dyna-Gro	39RY57	69.0	69.2	41.0	54.1	58.3	61.8	81.9	36.7	68.4	62.2		60.3
Pioneer	95Y70	54.2	62.3	39.1	51.4	51.7	64.2	89.7	40.9	60.9	63.9		57.8
Pioneer	95Y80	52.1	67.8	45.5	57.5	55.7	68.0	79.9	47.8	63.8	64.9		60.3
Progeny	Progeny 5711RY	65.3	62.6	31.0	51.8	52.7	55.2	69.6	35.9	69.1	57.5		55.1
Progeny	Progeny 5811RY	55.2	47.8	41.5	52.3	49.2	60.4	72.5	37.0	68.0	59.5		54.4
REV ®	59R13™	62.4	63.1	42.1	53.2	55.2	59.9	72.0	36.4	55.9	56.1		55.6
University of Missouri	S08-X6399	60.5	48.6	36.1	60.6	51.4	63.3	72.3	33.5	51.8	55.2		53.3
University of Missouri	S08-X7297	64.4	59.8	37.1	55.0	54.1	57.5	78.0	26.3	56.2	54.5		54.3
USG	USG 75Z98	70.8	70.1	50.4	50.0	60.3	56.9	73.3	35.6	69.4	58.8		59.6
Mean		61.2	61.3	40.7	53.5	48.9	60.6	76	37.2	62.5	53.3		51.1
LSD (.10)		5	8.5	5.6	4.9		9	13.8	9	8.7			
Error df		18	18	18	18		18	18	18	18			
CV (%)		5.7	9.8	9.7	6.5		10.5	12.9	17.1	9.8			
R square (%)		84.8	71.6	77.6	65.4		58.8	62	62.3	65.3			

Table 7. Summary of 2-Year Yields for Maturity Group IV Conventional for the 2011 and 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
GoSoy	4411LL	51.5	47.2	49.4	54.0	69.7	61.8		55.6
US Seeds	Halo 4:65	50.0	48.8	49.4	54.1	68.6	61.4		55.4
US Seeds	Halo 4:94	57.1	45.3	51.2	53.9	66.7	60.3		55.8
Overall Mean		35.7	31.4	33.5	36.0	45.1	40.6		37.1

Table 8. Summary of 2-Year Yields for Maturity Group V Conventional for the 2011 and 2012 Mississippi Soybean Variety Trials.[1]

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Delta Grow	DG5461LL	62.8	46.0	54.4	46.6	72.7	59.7		57.0
Dyna-Gro	34LL53	51.8	42.3	47.0	44.2	55.3	49.8		48.4
GoSoy	5111LL	54.3	45.3	49.8	42.4	64.0	53.2		51.5
Progeny	P5160LL (E)	59.7	42.6	51.1	36.4	59.6	48.0		49.5
Progeny	P5460LL (E)	55.9	44.6	50.3	42.7	65.6	54.2		52.2
Progeny	P5960LL (E)	52.8	49.3	51.0	47.0	62.8	54.9		53.0
University of Arkansas	Osage	57.6	52.5	55.1	53.7	69.2	61.4		58.2
University of Arkansas	Ozark	48.2	45.6	46.9	53.8	67.5	60.6		53.8
US Seeds	Halo 5:25	57.4	44.2	50.8	46.7	63.9	55.3		53.1
USDA-ARS	DB03-8416(E)	54.3	47.9	51.1	56.0	66.3	61.1		56.1
USDA-ARS	DB04-10836(E)	50.5	48.1	49.3	57.9	76.4	67.2		58.2
Overall Mean		55.0	46.2	50.6	47.9	65.8	56.9		53.7

Table 9. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2011 and 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (cotton)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Asgrow	AG4531	65.9	60.6	56.8	59.8	65.7	61.8	60.1	66.6	57.2	60.5	61.1		54.1
Asgrow	AG4632	71.1	60.2	56.4	57.8	71.2	63.4	59.9	81.2	55.0	58.2	63.6		55.5
Delta Grow	DG 4670R2Y	69.3	60.1	60.6	51.8	71.7	62.7	57.1	70.6	47.3	50.5	56.4		52.2
Dyna-Gro	31RY45	62.9	59.4	57.0	54.6	71.1	61.0	59.8	68.9	52.2	53.5	58.6		52.9
Hornbeck	HBK RY4620	64.1	58.9	45.1	47.8	67.7	56.7	57.7	67.0	51.4	51.1	56.8		49.6
Morsoy Xtra	46X29	63.8	63.6	50.6	55.2	68.8	60.4	62.4	64.2	55.8	55.7	59.5		52.9
Morsoy Xtra	46X71	64.8	58.2	53.6	46.5	71.0	58.8	59.9	73.4	58.2	52.7	61.1		52.6
NK Brand	S44-D5 Brand	64.5	60.2	48.1	49.6	69.3	58.4	57.3	61.9	51.0	48.3	54.6		49.5
Pioneer	93Y92	53.2	42.6	46.3	53.5	70.8	53.3	40.7	61.4	46.8	33.4	45.6		44.0
Pioneer	94Y40	54.8	61.0	44.9	48.8	70.1	55.9	55.5	63.7	49.5	42.1	52.7		48.4
Pioneer	94Y50	60.0	55.3	45.1	55.0	72.4	57.6	55.1	76.2	50.6	53.8	58.9		51.5
Pioneer	94Y61	56.8	53.9	50.1	46.5	70.2	55.5	50.3	62.5	48.9	45.8	51.9		47.6
Progeny	Progeny 4211RY	64.3	61.2	48.4	57.2	75.1	61.2	53.0	69.5	53.4	41.6	54.4		51.0
Progeny	Progeny 4510RY	65.8	58.3	56.1	57.3	69.3	61.4	61.4	67.1	53.1	53.6	58.8		52.9
Progeny	Progeny 4611RY	66.6	59.8	57.4	49.2	67.2	60.0	62.4	58.9	57.3	53.4	58.0		51.7
Schillinger	457.RCP	63.9	54.7	40.3	48.5	60.3	53.5	54.6	68.4	48.2	49.6	55.2		47.2
Overall Mean		59.1	54.2	47.5	48.7	65.4	55.0	52.9	63.4	48.7	46.5	52.9		47.5

Table 10. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2011 and 2012 Mississippi Soybean Variety Trials.[1]

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (cotton)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Asgrow	AG 4832	69.6	57.5	61.5	57.4	63.6	61.9	56.0	64.1	45.8	54.4	55.1		58.9
Asgrow	AG4732	61.5	58.6	59.4	52.2	59.3	58.2	57.7	64.9	51.1	48.2	55.5		57.0
Croplan Genetics	R2T4799S	71.3	63.4	63.2	55.4	65.7	63.8	58.0	64.2	51.6	46.9	55.2		60.0
Delta Grow	DG 4880RR	66.3	47.9	63.1	52.9	56.5	57.3	50.5	62.3	54.3	50.9	54.5		56.1
Delta Grow	DG 4970RR	61.6	51.8	58.2	47.1	58.7	55.5	62.2	65.0	57.4	48.4	58.2		56.7
Delta Grow	DG4975RR	55.2	55.7	59.3	47.6	55.2	54.6	53.3	56.6	52.6	50.6	53.3		54.0
Dyna-Gro	33RY47	59.3	53.7	62.2	51.7	55.4	56.5	55.9	59.8	43.1	49.5	52.1		54.5
Hornbeck	HBK R4924	62.9	48.0	56.9	47.3	60.1	55.0	54.9	67.2	46.3	55.0	55.9		55.4
Hornbeck	HBK RY4721	63.5	53.1	61.7	53.6	49.6	56.3	56.1	70.1	47.9	43.8	54.5		55.5
Pioneer	94Y70	60.0	48.1	65.5	53.9	57.4	57.0	48.8	64.5	49.2	52.0	53.6		55.5
Pioneer	94Y80	62.4	47.0	61.7	54.7	60.4	57.2	56.9	53.3	46.1	63.3	54.9		56.2
Pioneer	94Y90	59.9	48.6	61.4	53.4	59.1	56.5	56.2	67.5	50.5	54.1	57.1		56.8
Progeny	P4710RY (E)	66.6	61.3	58.4	53.6	61.0	60.2	61.3	66.7	55.6	51.8	58.9		59.6
REV ®	46R73 ™	56.6	50.2	59.4	52.8	48.4	53.5	54.2	60.2	39.7	47.7	50.5		52.1
REV ®	47R53 ™	66.2	53.7	57.2	52.7	60.0	58.0	51.4	64.9	48.5	55.4	55.0		56.7
REV ®	48R10 ™	59.7	48.0	56.7	46.1	49.7	52.1	55.1	63.9	39.6	52.6	52.8		52.4
REV ®	48R22 ™	60.1	49.7	57.4	48.1	60.6	55.2	56.0	61.7	39.2	52.8	52.4		54.0
REV ®	48R33 ™	59.6	52.0	64.0	53.0	65.3	58.8	56.6	70.7	51.5	55.2	58.5		58.6
REV ®	49R11 ™	53.5	36.3	61.9	45.7	55.6	50.6	51.7	62.4	41.5	42.8	49.6		50.1
REV ®	49R22 ™	56.0	48.8	53.9	49.1	54.4	52.4	53.9	62.7	48.3	55.3	55.1		53.6
REV ®	49R43 ™	63.7	50.7	59.7	56.0	61.7	58.4	53.2	62.2	38.9	51.0	51.3		55.2
Schillinger	478.RCS	61.5	50.8	61.0	48.7	53.7	55.2	62.5	62.7	47.5	53.0	56.4		55.7
Schillinger	495.RC	60.1	52.6	58.2	51.2	61.8	56.8	56.1	59.6	59.2	48.5	55.9		56.4
Schillinger	4990.RC	58.8	48.1	52.0	47.6	51.3	51.6	49.9	66.1	54.8	59.1	57.5		54.2
USG	74H81	58.8	49.2	60.2	56.8	60.7	57.2	52.9	68.0	44.7	53.7	54.8		56.1
USG	USG 74A79R	60.9	52.6	58.2	52.3	59.9	56.8	59.9	68.2	47.5	52.2	56.9		56.8
Overall Mean		58.7	49.2	57.3	49.4	55.4	54.0	53.3	61.4	46.4	49.8	52.7		53.4

Table 11. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2011 and 2012 Mississippi Soybean Variety Trials.[1]

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (cotton)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor	53-R15	60.7	43.8	58.9	48.9	53.1	45.7	64.3	44.3	55.3	52.4		52.7
Armor	53-R88	58.8	45.9	50.8	43.4	49.7	44.0	72.0	44.9	53.2	53.5		51.6
Asgrow	AG5332	61.8	58.3	60.5	53.0	58.4	47.4	60.4	44.9	58.9	52.9		55.7
Delta Grow	DG 5555RR	60.9	50.2	49.3	49.6	52.5	43.3	74.4	56.9	54.5	57.3		54.9
Delta Grow	DG5160RR/STS	57.8	49.7	58.1	42.3	52.0	44.7	68.7	46.3	44.1	50.9		51.5
Delta Grow	DG5300RR/STS	58.8	45.0	53.7	46.7	51.0	41.1	65.6	41.6	44.7	48.2		49.6
Dyna-Gro	32RY55	64.7	55.4	54.8	50.6	56.4	50.0	71.9	48.1	60.1	57.5		56.9
Hornbeck	HBK RY5221	61.2	54.8	56.1	47.8	55.0	52.3	60.6	41.8	36.1	47.7		51.3
Hornbeck	HBK RY5421	62.7	46.7	56.0	44.0	52.3	44.7	69.6	36.9	46.5	49.5		50.9
Hornbeck	HBK RY5521	60.4	46.5	56.2	52.9	54.0	49.2	65.6	38.8	57.8	52.8		53.4
MorSoy	RT 5429N	61.1	49.6	56.1	52.4	54.8	44.6	75.9	40.6	42.3	50.8		52.8
Morsoy Xtra	54X41	59.9	50.8	53.9	52.0	54.2	48.5	73.2	37.3	58.0	54.2		54.2
NK Brand	NK S56-G6 Brand	58.6	46.7	48.2	44.5	49.5	39.8	71.4	44.5	45.4	50.3		49.9
Pioneer	95Y01	62.0	55.0	62.0	44.6	55.9	41.9	63.8	50.0	47.8	50.9		53.4
Pioneer	95Y30	61.4	51.3	56.9	46.7	54.1	45.7	59.0	44.1	45.3	48.5		51.3
Pioneer	95Y40	62.2	54.8	60.7	46.2	56.0	47.2	68.0	48.4	53.9	54.4		55.2
Progeny	P5210RY (E)	54.8	46.9	57.4	46.9	51.5	45.6	63.3	43.9	54.3	51.8		51.7
Progeny	P5610RY (E)	63.3	51.6	54.6	52.0	55.4	53.2	74.5	48.8	59.7	59.1		57.2
Progeny	Progeny 5111RY	58.3	49.2	61.9	50.3	54.9	49.9	69.2	41.7	50.7	52.9		53.9
Progeny	Progeny 5655RY	57.8	42.3	57.3	46.8	51.1	49.3	65.4	52.3	54.8	55.4		53.2
REV ®	51R53 ™	61.6	55.2	61.9	53.5	58.0	48.0	79.2	41.7	57.8	56.7		57.4
REV ®	56R21 ™	63.9	53.8	56.0	49.2	55.7	45.1	75.8	47.7	54.0	55.6		55.7
REV ®	56R63 ™	61.0	54.5	58.1	55.3	57.2	44.7	67.8	52.0	49.2	53.4		55.3
Schillinger	5220.RC	60.6	52.4	53.0	50.0	54.0	46.1	62.1	43.7	42.0	48.5		51.2
Overall Mean		58.1	48.6	53.9	46.7	51.8	44.4	65.7	43.2	48.8	50.5		51.2

[1] (E) = Experimental.

Table 12. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2011 and 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville Irr. (cotton)	Stoneville Irr. (clay)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Asgrow	AG5831	60.6	51.3	51.1	49.0	53.0	49.7	61.3	46.6	47.2	51.2		52.1
Dyna-Gro	39RY57	69.0	59.4	53.5	48.7	57.7	53.3	72.9	46.2	50.8	55.8		56.7
Pioneer	95Y70	57.3	51.0	48.2	45.2	50.4	51.7	72.7	46.5	47.5	54.6		52.5
Progeny	Progeny 5711RY	65.2	53.9	56.3	41.4	54.2	50.5	64.9	44.6	54.5	53.6		53.9
Progeny	Progeny 5811RY	58.9	45.6	54.2	46.8	51.4	51.5	62.9	47.3	49.4	52.8		52.1
USG	USG 75Z98	65.5	56.0	51.1	53.4	56.5	46.7	64.6	43.4	56.0	52.7		54.6
Overall Mean		52.7	44.3	43.9	39.2	45.0	42.3	56.3	38.0	43.0	44.9		45.0

Table 13. Summary of 3-Year Yields for Maturity Group IV Conv. for the 2010, 2011, and 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
US Seeds	Halo 4:65	55.3	55.2	55.3	42.0	71.6	56.8		56.0
US Seeds	Halo 4:94	61.2	51.7	56.4	44.5	70.6	57.6		57.0
Overall Mean		58.3	53.4	55.9	43.3	71.1	57.2		56.5

Table 14. Summary of 3-Year Yields for Maturity Group V Conventional for the 2010, 2011, and 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr. (clay)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Delta Grow	DG5461LL	61.1	51.4	56.3	38.2	70.1	54.1		55.2
Progeny	P5160LL (E)	56.0	50.6	53.3	32.3	62.4	47.3		50.3
Progeny	P5460LL (E)	59.2	50.7	54.9	35.6	67.8	51.7		53.3
Progeny	P5960LL (E)	54.6	51.2	52.9	38.7	62.7	50.7		51.8
University of Arkansas	Osage	55.1	60.3	57.7	43.9	71.8	57.9		57.8
University of Arkansas	Ozark	45.3	50.6	47.9	43.1	71.1	57.1		52.5
US Seeds	Halo 5:25	56.8	51.4	54.1	38.9	65.9	52.4		53.3
USDA-ARS	DB03-8416(E)	58.5	53.6	56.1	45.3	65.7	55.5		55.8
USDA-ARS	DB04-10836(E)	57.3	53.5	55.4	45.3	76.2	60.8		58.1
Overall Mean		49.2	46.9	48.0	35.9	60.4	48.2		48.1

Table 15. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2010, 2011, and 2012 Mississippi Soybean Variety Trials.[1]

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (cotton)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hill Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Asgrow	AG4531	68.4	44.1	63.8	64.4	65.8	61.3	48.3	66.0	53.5	62.4	57.5	59.6
NK Brand	S44-D5 Brand	65.6	44.8	52.5	55.4	66.3	56.9	42.7	63.6	47.1	52.8	51.5	54.5
Pioneer	93Y92	56.7	33.6	46.4	54.6	68.8	52.0	32.1	64.6	46.2	42.2	46.2	49.5
Pioneer	94Y40	58.7	42.6	50.9	53.8	69.6	55.1	43.2	68.2	49.9	51.7	53.3	54.3
Progeny	4510RY	67.5	42.5	61.5	64.0	66.0	60.3	47.2	67.7	49.9	59.1	56.0	58.4
Schillinger	457.RCP	64.7	38.6	48.4	52.7	58.2	52.5	44.3	67.7	47.0	52.7	52.9	52.7
Overall Mean		52.2	33.7	43.3	46.7	54.8	46.1	34.9	55.3	40.0	43.1	43.3	44.9

[1] (E) = Experimental.

Table 16. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2010, 2011, and 2012 Mississippi Soybean Variety Trials.[1]

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville (Cotton) Irr.	Stoneville (Clay) Irr.	Clarksdale Nonirr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hill Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
Delta Grow	DG 4880RR	66.3	51.7	62.2	57.2	42.9	56.0	42.0	65.6	53.7	56.5	54.5	55.3
Delta Grow	DG 4970RR	62.4	55.8	58.0	52.1	44.7	54.6	48.7	67.7	54.0	51.6	55.5	55.0
Delta Grow	DG4975RR	58.9	60.7	58.3	54.5	40.0	54.4	45.5	58.6	51.2	52.8	52.0	53.4
Hornbeck	HBK R4924	63.7	56.6	59.6	54.2	45.0	55.8	45.9	67.7	47.7	58.5	54.9	55.4
Pioneer	94Y70	62.6	52.7	66.1	58.6	44.3	56.9	40.3	68.1	49.4	55.7	53.3	55.3
Pioneer	94Y80	63.4	53.4	60.4	57.3	50.3	56.9	48.7	58.1	49.5	62.4	54.7	55.9
Pioneer	94Y90	60.8	53.3	61.3	57.7	46.8	56.0	45.7	68.3	52.6	58.0	56.1	56.0
Progeny	P4710RY (E)	69.4	64.1	58.0	61.7	45.8	59.8	49.2	62.8	53.9	56.8	55.7	58.0
REV ®	48R10 ™	61.5	53.0	55.0	51.8	38.3	51.9	43.5	65.7	42.3	57.6	52.3	52.1
REV ®	48R22 ™	62.9	51.5	59.0	51.3	47.7	54.5	44.8	64.9	43.3	55.8	52.2	53.5
REV ®	49R11 ™	55.3	43.1	59.8	48.9	42.6	50.0	41.4	63.2	44.2	47.7	49.1	49.6
REV ®	49R22 ™	59.7	55.8	56.0	55.6	43.1	54.1	45.7	64.4	49.9	61.2	55.3	54.6
Schillinger	478.RCS	65.0	58.5	59.5	54.5	39.3	55.4	47.8	65.0	49.2	55.1	54.3	54.9
Schillinger	495.RC	60.0	56.7	57.0	55.7	46.7	55.2	45.1	62.6	57.3	53.6	54.6	55.0
Schillinger	4990.RC	59.8	53.3	54.9	53.0	38.8	51.9	41.3	66.9	55.2	61.8	56.3	53.9
Overall Mean		57.7	51.2	54.9	51.1	40.9	51.2	42.2	60.3	46.6	52.6	50.4	50.8

Table 17. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2010, 2011, and 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale	Longwood	Stoneville (cotton)	Stoneville (clay)	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Delta Grow	DG 5555RR	63.5	49.9	50.2	54.6	54.6	38.1	73.0	55.1	60.4	56.6		55.6
Delta Grow	DG5300RR/STS	62.9	46.2	56.3	52.7	54.5	33.3	64.1	45.6	55.5	49.6		52.1
MorSoy	RT 5429N	63.7	49.4	56.8	57.0	56.7	37.6	75.7	44.3	52.2	52.4		54.6
NK Brand	NK S56-G6 Brand	60.3	46.4	50.2	50.9	51.9	32.7	70.6	48.9	48.9	50.3		51.1
Pioneer	95Y01	63.6	56.0	57.9	53.0	57.7	34.2	66.2	52.3	54.5	51.8		54.7
Pioneer	95Y30	65.2	53.4	59.1	54.9	58.2	37.1	61.9	45.5	55.0	49.9		54.0
Pioneer	95Y40	64.2	54.6	62.7	56.1	59.4	39.4	69.7	52.5	65.6	56.8		58.1
Progeny	P5210RY (E)	62.5	49.7	61.1	55.8	57.3	39.6	64.3	47.2	62.0	53.3		55.3
Progeny	P5610RY (E)	67.2	53.5	56.5	59.2	59.1	45.5	75.7	51.3	64.3	59.2		59.2
REV ®	56R21 ™	67.7	53.3	58.8	55.8	58.9	39.7	73.2	49.7	60.7	55.8		57.3
Overall Mean		57.7	46.3	51.9	49.5	51.4	33.9	62.1	43.7	51.9	47.9		49.6

Table 18. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2010, 2011, and 2012 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville Irr. (cotton)	Stoneville Irr. (clay)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Pioneer	95Y70	60.5	51.5	48.1	49.3	52.3	42.9	68.0	47.9	53.9	53.2		52.8
Asgrow	AG5831	65.4	54.8	53.2	54.2	56.9	40.1	64.0	43.7	55.9	50.9		53.9
Overall Mean		62.9	53.2	50.6	51.8	54.6	41.5	66.0	45.8	54.9	52.0		53.3

Location 1. MAFES Delta Branch, Stoneville (Clay)

Location Summary

The nonirrigated plots were planted into a stale seedbed with enough moisture to germinate plots quickly. Soil moisture left quickly, and at the time the irrigated plots were planted, insufficient soil moisture was present to germinate the plots. After a week with no rainfall, the irrigated plots were furrow-irrigated to allow the plots to germinate. The lack of soil moisture at planting delayed emergence of the irrigated plots. The earlier planting date and adequate moisture at planting, in combination with timely rains, allowed for better-than-average yields for nonirrigated plots. The irrigated plots were furrow-irrigated as needed throughout the growing season, but they never seemed to overcome the early dry period and delayed germination. As a result, the irrigated plot yields were well below average.

Soil type:	**Sharkey clay**
Soil pH:	**7.0**
Soil fertility:	**P=H K=H**
Irrigation dates:	**May 14, May 26, June 25, July 27, Aug. 6, Aug. 30**
Herbicide application:	**Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 24oz/A, and Roundup Powermax @ 24 oz/A (nonirrigated on April 24 and irrigated on May 7)** **Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.6 oz/A on June 21 (irrigated and nonirrigated)** **Conventional/LL – Select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Ultra Blazer @ 8 oz/A on June 21**
Previous crop:	**Soybeans**
Planting date:	**April 24 — nonirrigated** **May 7 — irrigated**
Harvest date:	**Group IV Early Roundup Ready (nonirrigated) on Aug. 28, Group IV Late Roundup Ready (nonirrigated) and Group IV Early Roundup Ready (irrigated) on Sept. 12, Group IV Late Roundup Ready (irrigated) on Sept. 26, Group V Early and V Late Roundup Ready and Group IV and V Conventional/LL on Oct. 12**

Rainfall Summary

	Inches
April	4.19
May	1.68
June	5.52
July	4.24
August	3.73
September	0.52
October	0.02
Total	19.90

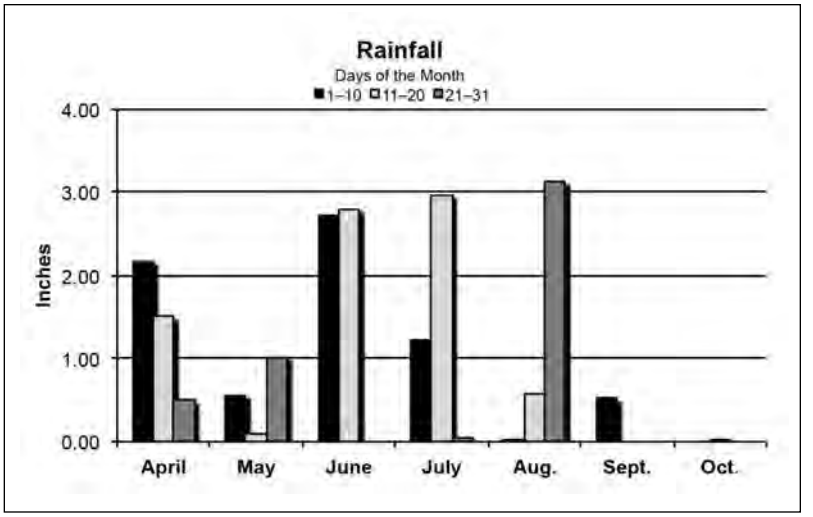

Table 19. Maturity Group IV Conventional/LL Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
GoSoy	4910LL	45.8	—	—	—	36	2
University of Arkansas	R05-4114	43.4	—	—	—	27	1
University of Arkansas	R05-3239	40.5	—	—	—	28	1
US Seeds	Halo 5:01	37.8	—	—	—	35	2
GoSoy	4912LL	37.4	—	—	—	37	1
US Seeds	Halo 4:65	37.2	48.8	55.2	—	31	1
Delta Grow	DG 4967LL	37.0	—	—	—	39	1
Progeny	Progeny 4928LL	36.2	—	—	—	38	2
Delta Grow	DG 4990LL	35.4	—	—	—	37	2
USG	USG 74G82L	34.4	—	—	—	35	1
GoSoy	4812LL	34.2	—	—	—	32	1
US Seeds	Halo 4:94	34.0	45.3	51.7	—	37	2
US Seeds	Halo X456	33.5	—	—	—	37	2
GoSoy	4411LL	33.4	47.2	—	—	36	2
US Seeds	Halo X478	32.0	—	—	—	32	1
GoSoy	4711LL	31.8	—	—	—	48	3
US Seeds	Halo 4:95	31.2	—	—	—	31	1
Progeny	Progeny 4819LL	30.7	—	—	—	30	2
Delta Grow	DG 4867LL	28.4	—	—	—	30	1
USDA-ARS	LG04-1459-8	11.5	—	—	—	28	1
Mean		34.3					
LSD (.10)		5.8					
Error df		38					
CV (%)		12.4					
R square (%)		85.7					

[1]No maturity dates taken.

Table 20. Maturity Group V Conventional/LL Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
University of Arkansas	UA5612	51.6	—	—	—	36	1
USDA-ARS	DB05X039-36	50.2	—	—	—	32	1
US Seeds	Halo 5:45	49.5	—	—	—	33	1
USDA-ARS	DB05X039-5	49.1	—	—	—	30	1
US Seeds	Halo X55	47.6	—	—	—	34	1
University of Arkansas	Osage	47.2	52.5	60.3	—	26	1
Progeny	P5960LL (E)	45.4	49.3	51.2	—	31	1
University of Arkansas	Ozark	45.1	45.6	50.6	—	25	1
USDA-ARS	DB03-8416(E)	45.0	47.9	53.6	—	33	1
USDA-ARS	DB04-10836(E)	42.6	48.1	53.5	—	31	1
Progeny	P5460LL (E)	41.7	44.6	50.7	—	35	1
Delta Grow	DG5461LL	41.4	46.0	51.4	—	33	1
GoSoy	5010LL	41.4	—	—	—	30	1
GoSoy	5111LL	39.6	45.3	—	—	30	1
University of Missouri	S08-X17371	38.6	—	—	—	38	1
US Seeds	Halo 5:26	38.1	—	—	—	27	1
GoSoy	5410LL	37.9	—	—	—	35	1
US Seeds	Halo 5:25	37.4	44.2	51.4	—	19	1
USDA-ARS	JTN-4408	36.8	—	—	—	29	1
US Seeds	Halo 5:01	36.7	—	—	—	37	1
Progeny	P5160LL (E)	36.0	42.6	50.6	—	29	1
Dyna-Gro	34LL53	33.1	42.3	—	—	19	1
USDA-ARS	JTN-4307	32.9	—	—	—	31	1
Mean		41.9					
LSD (.10)		5.7					
Error df		44					
CV (%)		9.8					
R square (%)		78.8					

[1]No maturity dates taken.

Table 21. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
Morsoy Xtra	R2 44X82	52.0	—	—	—	35	1
Dyna-Gro	39RY43	50.4	—	—	—	25	1
Asgrow	AG 4533	48.7	—	—	—	31	1
Asgrow	AG 4232	45.0	—	—	—	29	1
Asgrow	AG4632	44.3	57.8	—	—	33	1
Pioneer	93Y84	43.8	—	—	—	33	1
Asgrow	AG4531	43.7	59.8	64.4	—	32	1
Asgrow	AG 4633	43.4	—	—	—	31	1
Armor	44-R08	43.4	—	—	—	34	1
Pioneer	94Y50	43.0	55.0	—	—	37	1
Dyna-Gro	31RY45	42.6	54.6	—	—	28	1
Pioneer	93Y92	42.3	53.5	54.6	—	29	1
Asgrow	AG 4433	42.3	—	—	—	32	1
Progeny	Progeny 4211RY	41.4	57.2	—	—	39	1
NK Brand	S46-T3	40.5	—	—	—	25	1
AGS	AGS 45R212	40.5	—	—	—	37	1
Croplan Genetics	R2C 4391	40.0	—	—	—	30	1
Armor	X1303	39.4	—	—	—	29	1
Progeny	Progeny 4510RY	38.6	57.3	64.0	—	35	1
Pioneer	94Y23	38.6	—	—	—	33	1
Dyna-Gro	S44RS93	38.2	—	—	—	27	1
NK Brand	S44-D5 Brand	38.1	49.6	55.4	—	32	1
Croplan Genetics	R2C 4541	37.6	—	—	—	34	1
Delta Grow	DG 4575R2Y	37.5	—	—	—	32	1
Delta Grow	DG 4670R2Y	37.4	51.8	—	—	34	1
AGS	AGS 43R212	37.3	—	—	—	32	1
University of Missouri	S08-X14117	35.9	—	—	—	30	1
Morsoy Xtra	46X29	34.9	55.2	—	—	35	1
Armor	46-R64	34.5	—	—	—	33	1
Schillinger	457.RCP	33.9	48.5	52.7	—	31	1
Pioneer	94Y61	32.2	46.5	—	—	36	1
Progeny	Progeny 4611RY	30.8	49.2	—	—	29	1
Hornbeck	HBK RY4620	27.6	47.8	—	—	30	1
Pioneer	94Y40	27.5	48.8	53.8	—	32	1
Morsoy Xtra	46X71	26.9	46.5	—	—	38	1
Mean		39.3					
LSD (.10)		6					
Error df		68					
CV (%)		11.3					
R square (%)		73					

[1]No maturity dates taken.

Table 22. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety	Yield			Maturity date[3]	Plant height	Lodging score
		2012	2-yr. avg.[1]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
AGS	AGS 45R212	42.8	—	—	—	26	1
Morsoy Xtra	46X29	42.3	—	—	—	28	1
Pioneer	94Y61	41.9	—	—	—	26	1
Delta Grow	DG 4575R2Y	40.2	—	—	—	24	1
Delta Grow	DG 4670R2Y	38.7	—	—	—	26	1
Asgrow	AG 4533	37.9	—	—	—	25	1
Asgrow	AG4531	37.5	—	—	—	24	1
Croplan Genetics	R2C 4541	37.3	—	—	—	27	1
NK Brand	S46-T3	36.8	—	—	—	22	1
Morsoy Xtra	R2 44X82	36.7	—	—	—	21	1
AGS	AGS 43R212	36.1	—	—	—	26	1
Asgrow	AG 4232	34.2	—	—	—	22	1
Progeny	P4510RY	33.9	—	—	—	27	1
Hornbeck	HBK RY4620	33.7	—	—	—	25	1
Pioneer	94Y50	33.7	—	—	—	25	1

[1]No 2-year average.
[2]No 3-year average.
[3]No maturity dates taken.

Table 22 (cont.). Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety	Yield			Maturity date[3]	Plant height	Lodging score
		2012	2-yr. avg.[1]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor	X1303	33.3	—	—	—	22	1
Progeny	P4611RY	33.2	—	—	—	21	1
Schillinger	457.RCP	33.2	—	—	—	27	1
Dyna-Gro	31RY45	32.9	—	—	—	23	1
Asgrow	AG 4433	32.5	—	—	—	19	1
Croplan Genetics	R2C 4391	32.5	—	—	—	20	1
Armor	46-R64	31.9	—	—	—	25	1
Asgrow	AG4632	31.8	—	—	—	24	1
Asgrow	AG 4633	31.6	—	—	—	25	1
Armor	44-R08	31.3	—	—	—	21	1
Pioneer	93Y92	31.3	—	—	—	24	1
Morsoy Xtra	46X71	30.5	—	—	—	23	1
Dyna-Gro	39RY43	30.1	—	—	—	18	1
University of Missouri	S08-X14117	29.6	—	—	—	21	1
Dyna-Gro	S44RS93	29.3	—	—	—	21	1
NK Brand	S44-D5 Brand	29.0	—	—	—	23	1
Pioneer	93Y84	25.8	—	—	—	22	1
Progeny	P4211RY	25.8	—	—	—	25	1
Pioneer	94Y40	24.5	—	—	—	22	1
Pioneer	94Y23	23.3	—	—	—	22	1
Mean		33.3					
LSD (.10)		7.3					
Error df		68					
CV (%)		16					
R square (%)		55.4					

[1]No 2-year average.
[2]No 3-year average.
[3]No maturity dates taken.

Table 23. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Dyna-Gro	S47RY13	47.2	—	—	—	35	1
Progeny	P4747RY	45.3	—	—	—	34	1
Delta Grow	DG 4755 R2Y	44.2	—	—	—	37	1
Morsoy Xtra	R2 48X02	44.1	—	—	—	39	1
Armor	X1306	43.3	—	—	—	39	1
Armor	DK4744	42.3	—	—	—	29	1
NK Brand	S49-F8	41.9	—	—	—	32	1
Asgrow	AG4732	41.8	52.2	—	—	45	2
Progeny	P4850RY	41.6	—	—	—	36	1
Dyna-Gro	DG 37RY47	41.2	—	—	—	33	2
Armor	49-R56	41.1	—	—	—	38	1
Morsoy Xtra	R248X00	40.8	—	—	—	32	1
Pioneer	94Y80	40.7	54.7	57.3	—	32	2
REV ®	49R43 ™	40.5	56.0	—	—	32	1
REV ®	46R73 ™	40.2	52.8	—	—	33	1
Armor	X1312	40.0	—	—	—	29	1
Dyna-Gro	S48RS53	40.0	—	—	—	40	1
USG	74H81	39.9	56.8	—	—	35	1
Morsoy Xtra	R2 47X12	39.8	—	—	—	36	1
Croplan Genetics	R2T4799S	39.8	55.4	—	—	31	1
Asgrow	AG 4832	39.8	57.4	—	—	41	2
REV ®	49R54™	39.6	—	—	—	34	2
Delta Grow	DG 4715R2Y	39.6	—	—	—	35	1
Progeny	P4900RY	39.6	—	—	—	30	1
Armor	X1307	39.4	—	—	—	38	1
Pioneer	94Y70	39.1	53.9	58.6	—	34	1
Asgrow	AG 4933	39.0	—	—	—	39	1
REV ®	47R74™	38.7	—	—	—	32	1
Delta Grow	DG 4825 R2Y/STS	38.6	—	—	—	29	1

[1]No maturity dates taken.

Table 23 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Delta Grow	DG 4765 R2Y/STS	38.6	—	—	—	33	1
Dyna-Gro	33RY47	38.5	51.7	—	—	39	2
REV ®	48R33 ™	38.2	53.0	—	—	34	1
Hornbeck	HBK RY4721	38.0	53.6	—	—	39	2
Delta Grow	DG4770RR	37.9	—	—	—	39	1
Delta Grow	DG 4925 R2Y	37.7	—	—	—	39	1
Pioneer	94Y90	37.7	53.4	57.7	—	32	1
Armor	X1308	37.1	—	—	—	39	1
Delta Grow	DG 4880RR	37.0	52.9	57.2	—	30	1
USG	USG 74A79R	36.8	52.3	—	—	30	2
REV ®	47R53 ™	36.4	52.7	—	—	26	1
Armor	48-R91	36.4	—	—	—	35	2
Delta Grow	DG 4870 R2Y	36.1	—	—	—	29	1
Progeny	P4710RY (E)	35.9	53.6	61.7	—	30	2
Morsoy Xtra	R247X31	35.8	—	—	—	37	2
Delta Grow	DG 4980 R2Y	35.6	—	—	—	32	1
REV ®	49R22 ™	35.5	49.1	55.6	—	38	2
Croplan Genetics	R2C 4752S	35.2	—	—	—	27	1
Schillinger	495.RC	34.2	51.2	55.7	—	39	3
JGL	JG 481 (E)	34.0	—	—	—	29	1
JGL	JGL 480(E)	33.8	—	—	—	28	1
REV ®	48R22 ™	33.8	48.1	51.3	—	26	1
NK Brand	S46-A1	33.4	—	—	—	33	1
Schillinger	478.RCS	33.0	48.7	54.5	—	37	1
Progeny	P4920RY (E)	32.6	—	—	—	34	1
Croplan Genetics	R2C4801	32.5	—	—	—	35	1
Hornbeck	HBK R4924	32.4	47.3	54.2	—	35	2
Schillinger	4990.RC	32.4	47.6	53.0	—	33	1
Armor	X1311	32.1	—	—	—	39	1
Delta Grow	DG4975RR	31.1	47.6	54.5	—	35	2
Univ of Missouri	S08-X2499	30.8	—	—	—	32	1
REV ®	48R10 ™	30.4	46.1	51.8	—	26	2
Armor	X1309	30.3	—	—	—	38	2
Delta Grow	DG 4970RR	30.2	47.1	52.1	—	33	2
Progeny	P4814RY	27.9	—	—	—	35	1
REV ®	49R11 ™	27.5	45.7	48.9	—	26	1
Pioneer	94Y82	26.2	—	—	—	26	1
Delta Grow	DG 4815R2Y	26.2	—	—	—	26	2
AGS	AGS 47R212	25.4	—	—	—	26	1
Great Heart Seed	GT-478CR2	24.6	—	—	—	35	1
Mean		36.6					
LSD (.10)		5.7					
Error df		136					
CV (%)		11.4					
R square (%)		70					

[1]No maturity dates taken.

Table 24. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville).

Brand	Variety	Yield			Maturity date[3]	Plant height	Lodging score
		2012	2-yr. avg.[1]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny	P4900RY	56.5	—	—	—	26	1
REV ®	46R73 ™	55.6	—	—	—	32	1
Delta Grow	DG 4825 R2Y/STS	53.2	—	—	—	26	1
Delta Grow	DG 4715R2Y	51.4	—	—	—	28	1
Armor	X1306	49.4	—	—	—	30	1
Armor	49-R56	49.4	—	—	—	27	1
Pioneer	94Y82	47.4	—	—	—	28	1
REV ®	47R53 ™	47.0	—	—	—	25	1
Morsoy Xtra	R2 48X02	47.0	—	—	—	28	1

[1]No 2-year average.
[2]No 3-year average.
[3]No maturity dates taken.

Table 24 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville).

Brand	Variety	Yield			Maturity date[3]	Plant height	Lodging score
		2012	2-yr. avg.[1]	3-yr. avg.[2]			
		bu/A	*bu/A*	*bu/A*		*in*	
Delta Grow	DG 4925 R2Y	46.0	—	—	—	32	1
Croplan Genetics	R2T4799S	45.5	—	—	—	26	1
Croplan Genetics	R2C4801	45.5	—	—	—	29	1
Dyna-Gro	S47RY13	45.5	—	—	—	31	1
Progeny	P4747RY	45.4	—	—	—	31	1
Delta Grow	DG 4755 R2Y	44.9	—	—	—	30	1
JGL	JGL 480(E)	44.8	—	—	—	28	1
Delta Grow	DG 4765 R2Y/STS	44.6	—	—	—	29	1
Schillinger	495.RC	43.8	—	—	—	29	1
Asgrow	AG4732	43.7	—	—	—	27	1
JGL	JG 481 (E)	43.5	—	—	—	29	1
Armor	DK4744	43.3	—	—	—	23	1
Asgrow	AG 4832	42.6	—	—	—	28	1
Progeny	P4850RY	42.3	—	—	—	27	1
AGS	AGS 47R212	42.1	—	—	—	30	1
Pioneer	94Y80	41.9	—	—	—	20	1
Dyna-Gro	33RY47	41.9	—	—	—	32	1
Great Heart Seed	GT-478CR2	41.5	—	—	—	34	1
REV ®	49R54™	41.5	—	—	—	28	1
Croplan Genetics	R2C 4752S	41.5	—	—	—	30	1
REV ®	47R74™	41.5	—	—	—	28	1
Dyna-Gro	DG 37RY47	41.4	—	—	—	30	1
Armor	X1311	40.7	—	—	—	28	1
Progeny	P4710RY (E)	40.7	—	—	—	24	1
Armor	X1307	40.5	—	—	—	28	1
Morsoy Xtra	R248X00	40.4	—	—	—	24	1
Delta Grow	DG4975RR	40.2	—	—	—	32	1
Armor	X1309	40.2	—	—	—	33	1
REV ®	48R33 ™	40.0	—	—	—	28	1
Delta Grow	DG 4815R2Y	40.0	—	—	—	23	1
Armor	48-R91	39.9	—	—	—	29	1
Morsoy Xtra	R2 47X12	39.9	—	—	—	28	1
Hornbeck	HBK RY4721	39.9	—	—	—	38	1
Morsoy Xtra	R247X31	39.7	—	—	—	23	1
Armor	X1312	39.7	—	—	—	24	1
Dyna-Gro	S48RS53	39.7	—	—	—	32	1
Hornbeck	HBK R4924	39.6	—	—	—	31	1
REV ®	49R11 ™	38.0	—	—	—	26	1
Armor	X1308	37.9	—	—	—	28	1
University of Missouri	S08-X2499	37.6	—	—	—	27	1
Delta Grow	DG 4970RR	37.5	—	—	—	28	1
REV ®	48R22 ™	37.5	—	—	—	23	1
NK Brand	S46-A1	37.1	—	—	—	28	1
Delta Grow	DG 4870 R2Y	37.1	—	—	—	27	1
Delta Grow	DG 4880RR	36.8	—	—	—	26	1
Progeny	P4920RY (E)	36.6	—	—	—	27	1
USG	USG 74A79R	36.6	—	—	—	27	1
Pioneer	94Y90	36.0	—	—	—	25	1
Schillinger	4990.RC	35.9	—	—	—	28	1
Progeny	P4814RY	34.9	—	—	—	22	1
Schillinger	478.RCS	34.6	—	—	—	26	1
NK Brand	S49-F8	34.3	—	—	—	25	1
Asgrow	AG 4933	34.3	—	—	—	26	1
Delta Grow	DG 4980 R2Y	34.2	—	—	—	26	1
USG	74H81	34.1	—	—	—	31	1
Pioneer	94Y70	33.8	—	—	—	25	1
REV ®	49R22 ™	33.4	—	—	—	31	1
REV ®	49R43 ™	32.9	—	—	—	23	1
REV ®	48R10 ™	31.9	—	—	—	27	1
Delta Grow	DG4770RR	28.1	—	—	—	22	1
Mean		40.9					
LSD (.10)		9.3					
Error df		136					
CV (%)		16.8					
R square (%)		49.5					

[1]No 2-year average.
[2]No 3-year average.
[3]No maturity dates taken.

Table 25. Roundup Ready Maturity Group V Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
REV ®	56R63™	52.1	55.3	—	—	31	1
Armor	X1314	50.8	—	—	—	34	1
Pioneer	95Y50	50.8	—	—	—	33	1
Morsoy Xtra	54X41	50.5	52.0	—	—	28	1
Dyna-Gro	S54RY43	50.4	—	—	—	38	1
Morsoy Xtra	R2 53X82	50.1	—	—	—	30	1
Delta Grow	DG 5535R2Y	49.2	—	—	—	30	1
Progeny	Progeny 5412RY	49.1	—	—	—	28	1
Armor	X1316	49.1	—	—	—	26	1
REV ®	55R83™	48.4	—	—	—	32	1
MorSoy	RT 5429N	48.1	52.4	57.0	—	31	1
Progeny	P5610RY (E)	48.0	52.0	59.2	—	25	1
Armor	X1315	47.9	—	—	—	34	1
Delta Grow	DG 5556RR	47.5	—	—	—	23	1
Delta Grow	DG 5475Ry2	47.3	—	—	—	31	1
Croplan Genetics	R2C5371	47.1	—	—	—	32	1
NK Brand	S51-H9	46.8	—	—	—	28	1
REV ®	55R53™	46.7	—	—	—	32	1
Dyna-Gro	32RY55	45.9	50.6	—	—	31	1
Delta Grow	DG 5555RR	45.8	49.6	54.6	—	23	1
Armor	X1313	45.6	—	—	—	33	1
Asgrow	AG5533	45.4	—	—	—	35	2
Delta Grow	DG 5175R2Y	45.3	—	—	—	25	1
Armor	55-R22	45.2	—	—	—	26	1
Morsoy Xtra	R2 51X52	45.2	—	—	—	30	1
Dyna-Gro	35RY51	45.2	—	—	—	37	1
Croplan Genetics	R2C 5081	44.8	—	—	—	30	1
Pioneer	95Y10	44.1	—	—	—	37	1
REV ®	56R21 ™	43.7	49.2	55.8	—	25	1
REV ®	51R53™	43.4	53.5	—	—	29	1
Dyna-Gro	S53RY23	43.2	—	—	—	33	1
Progeny	Progeny 5111RY	42.9	50.3	—	—	28	1
USG	75Q42R	42.9	—	—	—	50	2
REV ®	54R84 ™	42.8	—	—	—	23	1
Hornbeck	HBK RY5521	42.8	52.9	—	—	36	1
Great Heart Seed	GT-550CR2	42.8	—	—	—	25	1
Asgrow	AG5633	42.3	—	—	—	25	1
Asgrow	AG5233	42.1	—	—	—	35	1
NK Brand	NK S56-G6 Brand	42.0	44.5	50.9	—	22	1
Pioneer	95Y40	42.0	46.2	56.1	—	23	1
University of Arkansas	R09-1607RR	41.9	—	—	—	29	1
Delta Grow	DG5300RR/STS	41.9	46.7	52.7	—	26	1
Asgrow	AG5332	41.6	53.0	—	—	38	2
Armor	X1312	40.9	—	—	—	30	1
Progeny	Progeny 5655RY	40.8	46.8	—	—	32	1
Dyna-Gro	37RY52	40.6	—	—	—	25	1
USG	75J62R	40.1	—	—	—	23	1
Pioneer	95Y30	40.1	46.7	54.9	—	31	1
Schillinger	5220.RC	39.9	50.0	—	—	34	1
Great Heart Seed	GT-500CR2	39.8	—	—	—	23	1
Armor	53-R15	39.6	48.9	—	—	27	1
Hornbeck	HBK RY5421	39.5	44.0	—	—	26	1
Progeny	5388RY	38.7	—	—	—	44	1
Progeny	P5210RY (E)	38.4	46.9	55.8	—	32	1
Hornbeck	HBK RY5221	36.5	47.8	—	—	34	2
Pioneer	95Y01	35.7	44.6	53.0	—	34	2
Armor	53-R88	32.4	43.4	—	—	23	1
University of Arkansas	R04-1268RR	32.2	—	—	—	24	1
Delta Grow	DG5160RR/STS	31.7	42.3	—	—	39	1
Mean		43.5					
LSD (.10)		4.4					
Error df		118					
CV (%)		7.5					
R square (%)		77.3					

[1]No maturity dates taken.

Table 26. Roundup Ready Maturity Group V Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville Clay).

Brand	Variety	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USG	USG 75Z98	50.4	53.4	—	—	38	1
Pioneer	95Y80	45.5	—	—	—	39	1
Asgrow	AG5831	42.5	49.0	54.2	—	33	1
REV ®	59R13 ™	42.1	—	—	—	32	1
Progeny	Progeny 5811RY	41.5	46.8	—	—	32	1
Dyna-Gro	39RY57	41.0	48.7	—	—	30	1
Pioneer	95Y70	39.1	45.2	49.3	—	35	1
University of Missouri	S08-X7297	37.1	—	—	—	36	1
University of Missouri	S08-X6399	36.1	—	—	—	38	2
Progeny	Progeny 5711RY	31.0	41.4	—	—	26	1
Mean		40.7					
LSD (.10)		5.6					
Error df		18					
CV (%)		9.7					
R square (%)		77.6					

[1]No maturity dates taken.

Location 1. MAFES Delta Branch, Stoneville (Cotton)

Location Summary

Soybean plots were planted into soil with good soil moisture. The plots quickly emerged to a good stand. The plots were furrow-irrigated as needed throughout the growing season. As a result, the plots were never stressed for moisture. Harvest was completed in a timely manner with no weather delays. Good yields were observed.

Soil type: . . . . . **Dundee silty clay loam**

Soil pH: **6.8**

Soil fertility: . . . . . **P=H K=H**

Irrigation dates: . . . . . **May 26, June 25, July 27, Aug. 6, Aug. 30**

Herbicide application: . . . . . **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 16 oz/A, and Roundup Powermax @ 24 oz/A on May 7**
Postemergence — Roundup Powermax @ 22 oz/A and Firstrate @ 0.6 oz/A on June 21

Previous crop: . . . . . **Soybeans**

Planting date: . . . . . **May 7**

Harvest date: . . . . . **Group IV Early Roundup Ready on Sept. 12, Group IV Late Roundup Ready on Sept. 26, Group V Early and V Late Roundup Ready on Oct. 12**

Rainfall Summary

	Inches
April	4.19
May	1.68
June	5.52
July	4.24
August	3.73
September	0.52
October	0.02
Total	19.90

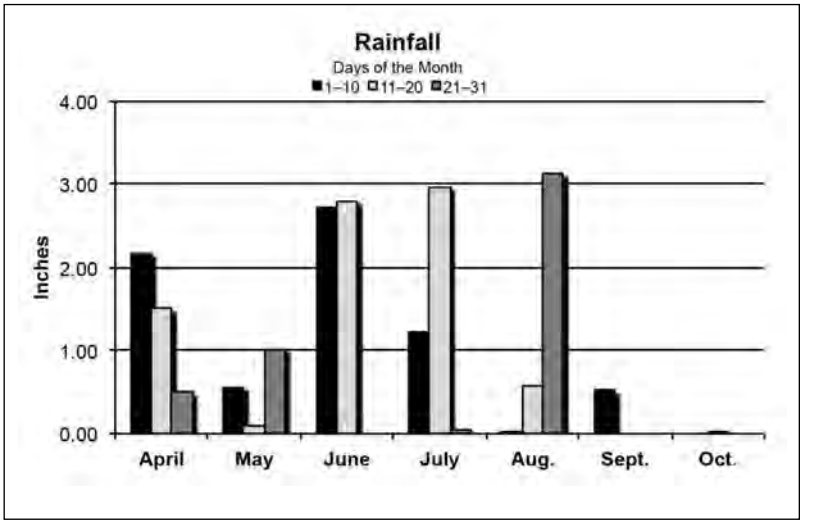

Table 27. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, Cotton).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Dyna-Gro	31RY45	71.8	71.1	—	—	37	1
Dyna-Gro	39RY43	71.6	—	—	—	37	1
Asgrow	AG 4533	71.3	—	—	—	40	1
Armor	46-R64	71.1	—	—	—	42	2
Delta Grow	DG 4670R2Y	69.8	71.7	—	—	39	1
Asgrow	AG 4433	69.6	—	—	—	34	1
Croplan Genetics	R2C 4541	69.6	—	—	—	36	1
Asgrow	AG4632	69.5	71.2	—	—	36	1
Progeny	P4211RY	69.4	75.1	—	—	37	1
Armor	44-R08	69.4	—	—	—	42	1
Croplan Genetics	R2C 4391	69.4	—	—	—	38	1
Pioneer	94Y61	69.0	70.2	—	—	39	1
AGS	AGS 45R212	68.8	—	—	—	43	1
Pioneer	94Y50	68.5	72.4	—	—	37	1
Morsoy Xtra	46X71	67.7	71.0	—	—	39	1
Hornbeck	HBK RY4620	67.6	67.7	—	—	38	1
Progeny	P4510RY	67.0	69.3	66.0	—	44	2
AGS	AGS 43R212	66.8	—	—	—	38	1
Asgrow	AG4531	65.9	65.7	65.8	—	40	1
Asgrow	AG 4232	65.6	—	—	—	36	1
NK Brand	S46-T3	65.5	—	—	—	28	1
Morsoy Xtra	46X29	65.5	68.8	—	—	37	1
Morsoy Xtra	R2 44X82	65.5	—	—	—	41	1
University of Missouri	S08-X14117	64.0	—	—	—	40	1
Pioneer	93Y92	63.6	70.8	68.8	—	30	1
Progeny	P4611RY	63.4	67.2	—	—	37	1
Asgrow	AG 4633	62.4	—	—	—	36	1
Pioneer	94Y40	62.3	70.1	69.6	—	38	1
Dyna-Gro	S44RS93	62.3	—	—	—	32	1
Pioneer	94Y23	60.8	—	—	—	41	1
Delta Grow	DG 4575R2Y	60.4	—	—	—	34	2
Armor	X1303	59.8	—	—	—	36	1
NK Brand	S44-D5 Brand	59.3	69.3	66.3	—	36	1
Schillinger	457.RCP	57.5	60.3	58.2	—	39	2
Pioneer	93Y84	55.0	—	—	—	36	1
Mean		65.9					
LSD (.10)		5.6					
Error df		68					
CV (%)		6.3					
R square (%)		62.6					

[1]No maturity dates taken.

Table 28. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, Cotton).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Morsoy Xtra	R2 48X02	73.7	—	—	—	42	1
Armor	49-R56	70.1	—	—	—	35	1
Progeny	P4747RY	69.8	—	—	—	41	1
Progeny	P4814RY	69.3	—	—	—	38	1
Dyna-Gro	S47RY13	68.3	—	—	—	44	2
Delta Grow	DG 4715R2Y	66.5	—	—	—	47	1
Morsoy Xtra	R247X31	65.7	—	—	—	38	2
Progeny	P4900RY	65.0	—	—	—	32	1
Armor	X1306	64.8	—	—	—	37	1
Armor	DK4744	64.7	—	—	—	36	1
Delta Grow	DG 4870 R2Y	64.3	—	—	—	37	1
Armor	X1308	63.7	—	—	—	32	1
Delta Grow	DG 4755 R2Y	63.7	—	—	—	40	2
Dyna-Gro	33RY47	63.5	62.2	—	—	52	2
Dyna-Gro	DG 37RY47	63.4	—	—	—	37	1

[1]No maturity dates taken.

Table 28 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville Cotton).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Pioneer	94Y70	62.6	65.5	66.1	—	38	1
Armor	48-R91	62.6	—	—	—	40	2
Delta Grow	DG 4925 R2Y	62.6	—	—	—	36	2
Progeny	P4850RY	62.4	—	—	—	37	1
REV ®	48R33 ™	62.2	64.0	—	—	42	2
Asgrow	AG 4933	62.1	—	—	—	39	1
JGL	JG 481 (E)	62.0	—	—	—	45	2
Croplan Genetics	R2T4799S	62.0	63.2	—	—	30	1
Croplan Genetics	R2C4801	61.8	—	—	—	51	2
JGL	JGL 480(E)	61.6	—	—	—	38	2
USG	74H81	61.4	60.2	—	—	38	1
Delta Grow	DG 4825 R2Y/STS	61.4	—	—	—	34	1
Croplan Genetics	R2C 4752S	61.2	—	—	—	43	1
Asgrow	AG 4832	61.2	61.5	—	—	42	1
Delta Grow	DG 4880RR	60.9	63.1	62.2	—	41	2
AGS	AGS 47R212	60.8	—	—	—	42	1
Armor	X1307	60.7	—	—	—	42	1
Delta Grow	DG 4765 R2Y/STS	60.6	—	—	—	39	2
Armor	X1311	60.6	—	—	—	38	2
Pioneer	94Y80	60.4	61.7	60.4	—	37	2
Morsoy Xtra	R2 47X12	59.6	—	—	—	37	1
Asgrow	AG4732	59.5	59.4	—	—	41	2
Pioneer	94Y82	59.5	—	—	—	37	2
NK Brand	S49-F8	59.2	—	—	—	34	1
Delta Grow	DG 4970RR	59.1	58.2	58.0	—	45	2
Hornbeck	HBK RY4721	59.1	61.7	—	—	46	2
REV ®	49R11 ™	58.8	61.9	59.8	—	41	1
NK Brand	S46-A1	58.6	—	—	—	43	1
Delta Grow	DG 4815R2Y	58.5	—	—	—	41	3
Dyna-Gro	S48RS53	57.6	—	—	—	48	1
Pioneer	94Y90	57.4	61.4	61.3	—	38	1
Delta Grow	DG 4980 R2Y	57.1	—	—	—	37	1
Schillinger	478.RCS	56.9	61.0	59.5	—	38	2
Delta Grow	DG4975RR	56.7	59.3	58.3	—	43	3
REV ®	49R43 ™	56.4	59.7	—	—	40	2
Delta Grow	DG4770RR	56.3	—	—	—	45	2
USG	USG 74A79R	56.2	58.2	—	—	37	2
Morsoy Xtra	R248X00	56.2	—	—	—	35	1
Progeny	P4710RY (E)	56.1	58.4	58.0	—	39	2
Schillinger	495.RC	56.1	58.2	57.0	—	43	2
Great Heart Seed	GT-478CR2	55.9	—	—	—	45	2
University of Missouri	S08-X2499	55.8	—	—	—	48	1
REV ®	47R53 ™	55.7	57.2	—	—	44	1
REV ®	47R74™	55.3	—	—	—	39	2
Armor	X1309	55.0	—	—	—	48	2
REV ®	48R22 ™	54.7	57.4	59.0	—	42	1
REV ®	48R10 ™	54.3	56.7	55.0	—	35	1
Progeny	P4920RY (E)	54.1	—	—	—	35	2
REV ®	46R73 ™	53.6	59.4	—	—	40	1
Schillinger	4990.RC	53.2	52.0	54.9	—	39	1
REV ®	49R22 ™	52.9	53.9	56.0	—	46	2
Armor	X1312	52.8	—	—	—	33	2
Hornbeck	HBK R4924	52.4	56.9	59.6	—	52	2
REV ®	49R54™	51.1	—	—	—	47	3
Mean		60					
LSD (.10)		6.3					
Error df		136					
CV (%)		7.8					
R square (%)		61.4					

[1]No maturity dates taken.

Table 29. Roundup Ready Maturity Group V Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, Cotton).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Great Heart Seed	GT-500CR2	66.1	—	—	—	34	1
NK Brand	S51-H9	65.4	—	—	—	31	1
Pioneer	95Y01	64.2	62.0	57.9	—	44	1
Pioneer	95Y10	63.9	—	—	—	43	1
Asgrow	AG5233	63.7	—	—	—	36	1
REV ®	51R53™	61.7	61.9	—	—	33	1
USG	75Q42R	61.6	—	—	—	32	1
Dyna-Gro	S53RY23	61.6	—	—	—	30	1
Delta Grow	DG 5475Ry2	61.3	—	—	—	36	1
Progeny	Progeny 5412RY	61.3	—	—	—	34	1
Delta Grow	DG 5175R2Y	61.1	—	—	—	29	1
Dyna-Gro	35RY51	60.9	—	—	—	34	1
Armor	X1313	60.8	—	—	—	31	1
Armor	X1312	59.9	—	—	—	37	1
Progeny	P5111RY	59.2	61.9	—	—	30	1
Morsoy Xtra	R2 53X82	58.5	—	—	—	35	1
REV ®	55R53™	58.4	—	—	—	27	1
Armor	X1315	58.2	—	—	—	34	1
Dyna-Gro	S54RY43	58.2	—	—	—	32	1
Hornbeck	HBK RY5221	58.1	56.1	—	—	40	2
Croplan Genetics	R2C 5081	57.6	—	—	—	26	1
Delta Grow	DG 5535R2Y	57.1	—	—	—	37	1
Hornbeck	HBK RY5521	56.9	56.2	—	—	39	1
Pioneer	95Y40	55.9	60.7	62.7	—	28	1
Asgrow	AG5533	55.9	—	—	—	37	1
Pioneer	95Y50	55.9	—	—	—	37	1
Croplan Genetics	R2C5371	55.9	—	—	—	30	1
Progeny	P5210RY (E)	55.8	57.4	61.1	—	28	1
Progeny	P5655RY	55.6	57.3	—	—	37	1
Hornbeck	HBK RY5421	55.4	56.0	—	—	30	1
Asgrow	AG5332	55.2	60.5	—	—	38	1
Armor	X1316	55.1	—	—	—	33	1
REV ®	56R63™	55.1	58.1	—	—	38	1
Armor	X1314	55.0	—	—	—	32	1
USG	75J62R	54.9	—	—	—	63	1
REV ®	54R84 ™	54.6	—	—	—	26	1
Armor	53-R15	54.2	58.9	—	—	30	1
Morsoy Xtra	R2 51X52	53.8	—	—	—	30	1
Delta Grow	DG5160RR/STS	53.5	58.1		—	45	1
MorSoy	RT 5429N	53.4	56.1	56.8	—	38	1
Dyna-Gro	32RY55	53.4	54.8	—	—	35	1
Armor	55-R22	52.3	—	—	—	30	1
Delta Grow	DG 5556RR	52.1	—	—	—	39	1
Schillinger	5220.RC	51.9	53.0	—	—	41	1
Dyna-Gro	37RY52	51.7	—	—	—	38	1
Delta Grow	DG5300RR/STS	51.6	53.7	56.3	—	31	1
Pioneer	95Y30	51.5	56.9	59.1	—	37	1
Progeny	5388RY	51.1	—	—	—	54	1
NK Brand	NK S56-G6 Brand	51.0	48.2	50.2	—	36	1
Progeny	P5610RY (E)	50.7	54.6	56.5	—	31	1
REV ®	56R21 ™	50.3	56.0	58.8	—	34	1
Great Heart Seed	GT-550CR2	50.2	—	—	—	29	1
Morsoy Xtra	54X41	49.9	53.9	—	—	36	1
Asgrow	AG5633	49.7	—	—	—	31	1
Armor	53-R88	48.6	50.8	—	—	28	1
REV ®	55R83™	48.5	—	—	—	31	1
Delta Grow	DG 5555RR	47.8	49.3	50.2	—	37	1
University of Arkansas	R04-1268RR	45.6	—	—	—	27	1
University of Arkansas	R09-1607RR	43.7	—	—	—	33	1
Mean		55.7					
LSD (.10)		4.5					
Error df		118					
CV (%)		6					
R square (%)		77.8					

[1](E) = experimental.
[2]No maturity dates taken.

Table 30. Roundup Ready Maturity Group V Late Soybeans (Delta Branch Experiment Station, Stoneville, Cotton).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
University of Missouri	S08-X6399	60.6	—	—	—	44	2
Pioneer	95Y80	57.5	—	—	—	35	1
University of Missouri	S08-X7297	55.0	—	—	—	46	1
Dyna-Gro	39RY57	54.1	53.5	—	—	31	1
REV ®	59R13 ™	53.2	—	—	—	40	1
Progeny	Progeny 5811RY	52.3	54.2	—	—	32	1
Progeny	Progeny 5711RY	51.8	56.3	—	—	32	1
Pioneer	95Y70	51.4	48.2	48.1	—	32	1
USG	USG 75Z98	50.0	51.1	—	—	26	1
Asgrow	AG5831	49.1	51.1	53.2	—	27	1
Mean		53.5					
LSD (.10)		4.9					
Error df		18					
CV (%)		6.5					
R square (%)		65.4					

[1]No maturity dates taken.

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

Location Summary

Soybean plots were planted into soil with adequate moisture for germination. The plots quickly emerged to a good stand. Timely irrigations allowed for good soil moisture to be maintained throughout the growing season. Good yields were observed. Harvest was completed without any weather delays.

Soil type: . . . . . **Forest dale silt loam**

Soil pH: **7.2**

Soil fertility: . . . . . **P=M, K=M**

Irrigation dates: . . . . . **June 20, July 20, July 28, Aug. 18**

Fungicide application: . . . . . **Quadris @ 3 oz/A on July 20**

Insecticide application: . . . . **Befeindren @ 5.1 oz/A, Belt @ 3 oz/A on July 20, and Acephate @ .75 lb/A on Aug. 10**

Herbicide application: . . . . . **Preemeergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 24 oz/A, and Roundup Powermax @ 24 oz/A on April 27**
Postemergence — Roundup Powermax @ 22 oz/A, Select @ 10 oz/A, and Firstrate @ 0.3 oz/A on May 23

Previous crop: . . . . . **Soybeans**

Planting date: . . . . . **April 27**

Harvest date: . . . . . **Group IV Early Roundup Ready on Sept. 27; Group IV Late, V Early, and V Late Roundup Ready on Oct. 5**

Rainfall Summary

	Inches
April	3.37
May	1.58
June	1.35
July	2.34
August	3.82
September	1.87
October	1.31
Total	15.64

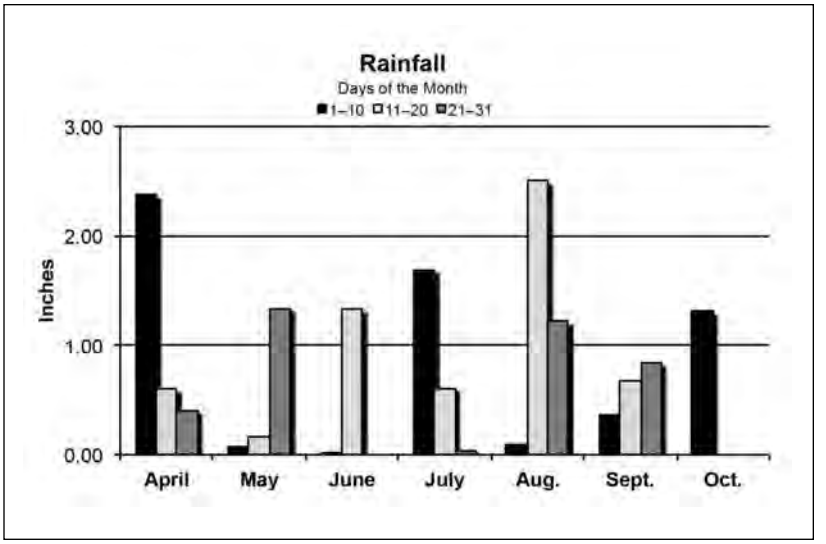

Table 31. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Asgrow	AG4632	70.2	71.1	—	9/5	36	1
Delta Grow	DG 4670R2Y	68.5	69.3	—	8/26	30	1
Croplan Genetics	R2C 4541	67.2	—	—	8/31	35	1
Armor	46-R64	64.9	—	—	9/2	38	1
Hornbeck	HBK RY4620	64.3	64.1	—	9/4	34	1
Schillinger	457.RCP	63.9	63.9	64.7	9/5	30	1
NK Brand	S44-D5 Brand	62.6	64.5	65.6	8/27	36	1
Progeny	P4510RY	61.5	65.8	67.5	8/27	33	1
AGS	AGS 43R212	61.5	—	—	9/4	39	1
Asgrow	AG 4232	61.0	—	—	8/27	27	1
Dyna-Gro	31RY45	60.9	62.9	—	8/31	31	1
Dyna-Gro	S44RS93	60.7	—	—	8/29	31	1
Morsoy Xtra	R2 44X82	60.7	—	—	8/28	36	1
Asgrow	AG 4633	60.6	—	—	8/25	36	1
Armor	44-R08	59.7	—	—	9/2	37	1
Morsoy Xtra	46X71	59.6	64.8	—	9/1	37	1
Progeny	P4611RY	59.5	66.6	—	8/28	28	1
Progeny	P4211RY	59.2	64.3	—	8/28	33	2
Asgrow	AG4531	58.2	65.9	68.4	9/1	31	1
Morsoy Xtra	46X29	58.1	63.8	—	8/31	31	1
Armor	X1303	58.0	—	—	8/25	26	1
Croplan Genetics	R2C 4391	57.6	—	—	8/28	30	1
Dyna-Gro	39RY43	57.2	—	—	9/1	36	1
AGS	AGS 45R212	56.4	—	—	9/4	40	2
Pioneer	94Y50	56.1	60.0	—	9/5	35	2
Delta Grow	DG 4575R2Y	56.0	—	—	8/27	33	1
Asgrow	AG 4533	55.8	—	—	9/3	32	1
Pioneer	94Y61	55.7	56.8	—	9/1	36	1
Asgrow	AG 4433	55.2	—	—	8/28	38	1
Pioneer	94Y23	55.0	—	—	8/28	33	1
NK Brand	S46-T3	53.5	—	—	8/22	26	1
University of Missouri	S08-X14117	52.9	—	—	8/23	31	1
Pioneer	94Y40	47.7	54.8	58.7	9/4	35	1
Pioneer	93Y92	47.5	53.2	56.7	8/21	28	2
Pioneer	93Y84	39.0	—	—	8/28	35	1
Mean		58.5					
LSD (.10)		8.1					
Error df		68					
CV (%)		10.1					
R square		61.7					

Table 32. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Morsoy Xtra	R2 47X12	76.0	—	—	9/4	43	1
Dyna-Gro	S48RS53	74.9	—	—	8/29	40	1
Asgrow	AG 4832	73.4	69.6	—	9/5	44	1
Croplan Genetics	R2C 4752S	73.4	—	—	9/5	38	1
Croplan Genetics	R2T4799S	70.7	71.3	—	9/2	33	1
Armor	49-R56	70.6	—	—	9/5	32	1
Armor	X1308	70.1	—	—	9/31	38	1
Asgrow	AG 4933	70.0	—	—	9/2	39	1
Progeny	P4710RY (E)	69.9	66.6	69.4	9/2	35	1
Armor	X1307	69.5	—	—	9/4	41	1
Armor	48-R91	69.0	—	—	8/27	43	1
NK Brand	S49-F8	69.0	—	—	9/2	38	2
Progeny	P4900RY	68.4	—	—	8/28	39	1
Armor	DK4744	68.1	—	—	9/5	35	1
Delta Grow	DG 4880RR	67.2	66.3	66.3	9/2	38	2
JGL	JGL 480 (E)	66.3	—	—	8/31	38	1

[1](E) = Experimental.

Table 32 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny	P4920RY (E)	65.6	—	—	9/1	34	1
Progeny	P4850RY	65.6	—	—	9/4	42	1
Great Heart Seed	GT-478CR2	65.3	—	—	9/27	35	1
AGS	AGS 47R212	64.6	—	—	9/4	39	2
Dyna-Gro	S47RY13	64.6	—	—	9/4	33	1
Delta Grow	DG4770RR	64.5	—	—	9/5	36	2
REV ®	47R74 ™	64.5	—	—	8/30	37	1
Armor	X1309	64.1	—	—	9/8	46	1
Armor	X1311	63.7	—	—	9/4	33	1
REV ®	47R53 ™	63.5	66.2	—	8/29	35	2
Armor	X1306	63.3	—	—	9/4	34	1
Hornbeck	HBK RY4721	62.8	63.5	—	9/2	42	1
Hornbeck	HBK R4924	62.7	62.9	63.7	9/5	46	1
Progeny	P4747RY	62.5	—	—	9/5	41	1
REV ®	49R54 ™	62.4	—	—	9/5	39	1
Delta Grow	DG 4870 R2Y	62.2	—	—	8/30	35	1
Delta Grow	DG 4815R2Y	62.0	—	—	9/4	35	1
REV ®	49R43 ™	61.9	63.7	—	8/27	39	2
Croplan Genetics	R2C4801	61.7	—	—	8/27	41	1
Schillinger	4990.RC	61.5	58.8	59.8	9/7	42	1
Delta Grow	DG 4825 R2Y/STS	60.8	—	—	9/5	31	1
University of Missouri	S08-X2499	60.7	—	—	9/8	44	1
Dyna-Gro	DG 37RY47	60.6	—	—	9/5	34	1
Morsoy Xtra	R247X31	60.1	—	—	8/31	42	1
Delta Grow	DG 4970RR	59.8	61.6	62.4	9/2	30	1
Morsoy Xtra	R2 48X02	59.8	—	—	8/28	41	1
REV ®	48R10 ™	59.5	59.7	61.5	9/2	34	1
Pioneer	94Y80	59.0	62.4	63.4	8/28	40	1
Schillinger	478.RCS	58.9	61.5	65.0	9/5	42	1
Progeny	P4814RY	58.7	—	—	9/5	37	1
Armor	X1312	58.7	—	—	8/26	34	1
Asgrow	AG4732	58.0	61.5	—	8/31	40	2
Pioneer	94Y90	57.9	59.9	60.8	8/30	39	1
REV ®	48R22 ™	57.8	60.1	62.9	8/28	38	1
Dyna-Gro	33RY47	57.4	59.3	—	9/2	42	1
Schillinger	495.RC	57.3	60.1	60.0	9/5	50	1
Delta Grow	DG 4715R2Y	57.3	—	—	9/4	39	1
USG	USG 74A79R	56.8	60.9	—	9/4	34	1
Morsoy Xtra	R248X00	56.8	—	—	9/5	32	1
Delta Grow	DG 4925 R2Y	56.6	—	—	9/4	44	1
Delta Grow	DG 4755 R2Y	55.5	—	—	9/4	38	1
Pioneer	94Y70	55.2	60.0	62.6	8/27	33	1
REV ®	49R22 ™	54.2	56.0	59.7	8/27	42	1
Delta Grow	DG 4980 R2Y	53.6	—	—	8/27	33	1
REV ®	48R33 ™	53.4	59.6	—	9/2	40	2
Delta Grow	DG 4765 R2Y/STS	52.7	—	—	9/5	38	1
Delta Grow	DG4975RR	52.2	55.2	58.9	9/5	49	3
JGL	JG 481 (E)	52.1	—	—	9/4	43	1
REV ®	49R11 ™	51.6	53.5	55.3	9/2	36	1
NK Brand	S46-A1	50.8	—	—	8/28	43	1
USG	74H81	49.6	58.8	—	9/5	35	1
Pioneer	94Y82	48.7	—	—	8/29	33	2
REV ®	46R73 ™	48.3	56.6	—	8/27	41	1
Mean		61.5					
LSD (.10)		10.8					
Error df		136					
CV (%)		13.0					
R square (%)		51.5					

[1](E) = Experimental.

Table 33. Roundup Ready Maturity Group V Early Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Croplan Genetics	R2C5371	72.3	—	—	9/15	32	1
Armor	X1314	70.5	—	—	9/20	33	1
USG	75Q42R	69.0	—	—	9/20	31	1
Morsoy Xtra	R2 51X52	68.8	—	—	9/17	26	1
Armor	X1316	67.7	—	—	9/18	32	1
REV ®	56R21 ™	66.5	63.9	67.7	9/19	36	1
REV ®	55R83™	66.5	—	—	9/18	29	1
Delta Grow	DG 5556RR	66.3	—	—	9/20	30	1
Dyna-Gro	37RY52	66.3	—	—	9/18	24	1
REV ®	55R53™	65.9	—	—	9/22	30	1
Dyna-Gro	S54RY43	65.5	—	—	9/20	32	1
Delta Grow	DG 5555RR	65.2	60.9	63.5	9/20	33	1
Asgrow	AG5633	64.8	—	—	9/14	26	1
Progeny	P5412RY	64.6	—	—	9/20	27	1
Croplan Genetics	R2C 5081	64.5	—	—	9/18	31	1
Armor	X1312	64.4	—	—	9/12	30	1
Armor	X1315	64.3	—	—	9/20	32	1
Dyna-Gro	35RY51	64.1	—	—	9/14	32	1
Pioneer	95Y50	64.0	—	—	9/19	35	1
Hornbeck	HBK RY5421	63.9	62.7	—	9/14	26	1
Progeny	P5610RY (E)	63.7	63.3	67.2	9/19	27	1
Great Heart Seed	GT-550CR2	63.5	—	—	9/18	25	1
Dyna-Gro	32RY55	63.4	64.7	—	9/20	28	1
Great Heart Seed	GT-500CR2	63.3	—	—	9/9	29	1
Asgrow	AG5533	63.2	—	—	9/18	32	1
Delta Grow	DG 5475Ry2	63.1	—	—	9/22	32	1
Pioneer	95Y10	62.9	—	—	9/10	32	1
MorSoy	RT 5429N	62.3	61.1	63.7	9/20	33	1
Pioneer	95Y01	61.4	62.0	63.6	9/10	32	1
Morsoy Xtra	54X41	61.4	59.9	—	9/20	28	1
Progeny	P5111RY	61.4	58.3	—	9/19	33	1
Asgrow	AG5233	60.9	—	—	9/10	33	1
Pioneer	95Y30	60.9	61.4	65.2	9/15	33	1
REV ®	51R53™	60.8	61.6	—	9/15	35	1
Delta Grow	DG5300RR/STS	60.7	58.8	62.9	9/18	30	1
NK Brand	S51-H9	60.5	—	—	9/14	27	1
REV ®	54R84 ™	60.4	—	—	9/14	27	1
Hornbeck	HBK RY5221	60.3	61.2	—	9/10	33	1
Armor	X1313	60.3	—	—	9/14	25	1
REV ®	56R63™	59.7	61.0	—	9/19	37	2
Delta Grow	DG 5535R2Y	59.6	—	—	9/18	29	1
University of Arkansas	R09-1607RR	59.5	—	—	9/18	27	1
Armor	53-R15	59.4	60.7	—	9/14	24	1
Asgrow	AG5332	59.4	61.8	—	9/10	33	2
Schillinger	5220.RC	58.9	60.6	—	9/10	34	1
Progeny	5388RY	58.0	—	—	9/18	48	2
Progeny	P5655RY	57.9	57.8	—	9/19	34	1
Morsoy Xtra	R2 53X82	57.8	—	—	9/22	29	1
Pioneer	95Y40	57.3	62.2	64.2	9/14	26	1
Dyna-Gro	S53RY23	57.3	—	—	9/18	29	1
Hornbeck	HBK RY5521	56.9	60.4	—	9/19	33	1
Armor	53-R88	56.1	58.8	—	9/17	27	1
NK Brand	NK S56-G6 Brand	55.8	58.6	60.3	9/18	26	1
Delta Grow	DG 5175R2Y	55.3	—	—	9/14	27	1
Armor	55-R22	54.7	—	—	9/18	29	1
Delta Grow	DG5160RR/STS	54.7	57.8	—	9/9	31	1
University of Arkansas	R04-1268RR	54.3	—	—	9/17	26	1
Progeny	P5210RY (E)	53.5	54.8	62.5	9/14	25	1
USG	75J62R	48.2	—	—	9/20	60	3
Mean		61.6					
LSD (.10)		9.2					
Error df		116					
CV (%)		11					
R square (%)		45.4					

[1](E) = Experimental.

Table 34. Roundup Ready Maturity Group V Late Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USG	USG 75Z98	70.8	65.5	—	9/25	36	1
Dyna-Gro	39RY57	69.0	69.0	—	9/21	37	1
Progeny	P5711RY	65.3	65.2	—	9/21	34	1
Univ of Missouri	S08-X7297	64.4	—	—	9/20	39	1
REV ®	59R13 ™	62.4	—	—	9/20	35	1
Univ of Missouri	S08-X6399	60.5	—	—	9/3	40	1
Asgrow	AG5831	58.0	60.6	65.4	9/15	30	1
Progeny	P5811RY	55.2	58.9	—	9/15	34	1
Pioneer	95Y70	54.2	57.3	60.5	9/24	45	1
Pioneer	95Y80	52.1	—	—	9/26	39	1
Mean		61.2					
LSD (.10)		5					
Error df		18					
CV (%)		5.7					
R square (%)		84.8					

Location 2. Mattson Farms, Clarksdale (Nonirrigated)

Location Summary

Soybean plots were planted into a freshly prepared seedbed with good soil moisture. The plots germinated to a suitable stand. Timely rains allowed for respectable yields. Harvest was completed with no weather delays.

Soil type: . . . . . **Silt loam**

Soil pH: **5.3**

Soil fertility: . . . . . **P=H K=H**

Herbicide application: . . . . . **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 16oz/A, and Roundup Powermax @ 24 oz/A on April 27**
Postemergence — Roundup Powermax @ 22 oz/A and Firstrate @ 0.6 oz/A on May 23; Roundup Powermax @ 22 oz/A on June 19

Previous crop: . . . . . **Soybeans**

Planting date: . . . . . **April 27**

Harvest date: . . . . . **Group IV Early and IV Late Roundup Ready on Sept. 10**

Rainfall Summary

	Inches
April	3.29
May	2.06
June	1.30
July	4.17
August	2.08
September	2.62
Total	15.52

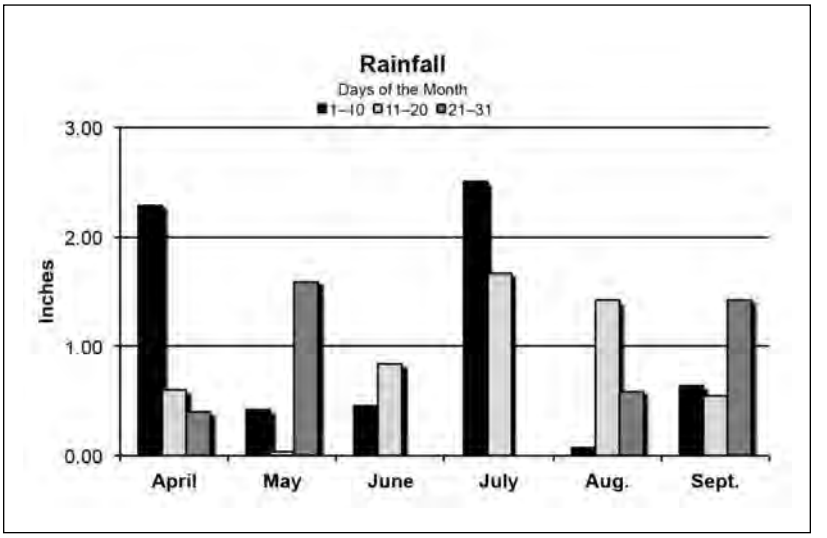

Table 35. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Coahoma County).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Asgrow	AG 4232	71.3	—	—	8/30	26	1
Hornbeck	HBK RY4620	68.5	58.9	—	8/31	23	1
Dyna-Gro	31RY45	67.0	59.4	—	8/28	18	1
Delta Grow	DG 4670R2Y	65.7	60.1	—	8/31	30	1
Armor	46-R64	65.3	—	—	8/28	29	1
Croplan Genetics	R2C 4541	63.6	—	—	8/28	29	1
Pioneer	94Y40	63.5	61.0	42.6	9/2	26	1
NK Brand	S46-T3	63.5	—	—	8/23	17	1
Asgrow	AG4531	63.4	60.6	44.1	8/31	27	1
Morsoy Xtra	R2 44X82	62.1	—	—	8/25	27	1
Croplan Genetics	R2C 4391	61.9	—	—	8/27	23	1
Progeny	P4510RY	60.8	58.3	42.5	8/31	25	1
Delta Grow	DG 4575R2Y	59.9	—	—	8/25	25	1
Morsoy Xtra	46X29	59.7	63.6	—	9/5	22	1
NK Brand	S44-D5 Brand	58.8	60.2	44.8	8/27	20	1
Dyna-Gro	S44RS93	58.6	—	—	8/28	25	1
Asgrow	AG 4433	58.5	—	—	8/27	21	1
Pioneer	94Y61	58.4	53.9	—	9/2	28	1
Morsoy Xtra	46X71	57.9	58.2	—	9/7	17	1
Asgrow	AG 4533	56.9	—	—	8/30	24	1
Armor	44-R08	56.7	—	—	8/30	30	1
Asgrow	AG4632	55.4	60.2	—	9/5	25	1
Schillinger	457.RCP	55.2	54.7	38.6	8/28	29	1
Progeny	P4611RY	54.3	59.8	—	8/24	22	1
Pioneer	94Y50	53.6	55.3	—	9/7	22	1
Progeny	P4211RY	52.8	61.2	—	8/31	34	1
AGS	AGS 43R212	52.2	—	—	8/27	21	1
AGS	AGS 45R212	52.1	—	—	9/5	24	1
University of Missouri	S08-X14117	52.1	—	—	8/28	25	1
Dyna-Gro	39RY43	52.1	—	—	8/27	23	1
Pioneer	93Y92	46.8	42.6	33.6	8/24	21	1
Armor	X1303	46.8	—	—	8/22	20	1
Asgrow	AG 4633	46.4	—	—	8/28	27	1
Pioneer	94Y23	46.0	—	—	8/23	26	1
Pioneer	93Y84	38.4	—	—	8/30	16	1
Mean		57.3					
LSD (.10)		12.2					
Error df		68					
CV (%)		15.6					
R square (%)		60.8					

Table 36. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Coahoma County).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Croplan Genetics	R2C 4752S	69.6	—	—	8/28	34	1
Pioneer	94Y82	69.4	—	—	9/2	29	1
Delta Grow	DG 4765 R2Y/STS	67.9	—	—	9/1	36	1
Asgrow	AG 4832	67.3	63.6	—	9/2	37	1
Delta Grow	DG 4870 R2Y	66.3	—	—	9/2	28	1
Delta Grow	DG 4715R2Y	65.4	—	—	9/5	32	1
Armor	X1306	65.3	—	—	9/2	39	1
Progeny	P4747RY	65.1	—	—	9/4	34	1
Armor	X1309	64.5	—	—	8/28	36	1
Croplan Genetics	R2T4799S	64.0	65.7	—	9/5	28	1
Progeny	P4920RY (E)	63.9	—	—	8/31	32	1
Schillinger	495.RC	63.9	61.8	46.7	9/2	33	1
NK Brand	S49-F8	63.2	—	—	9/1	31	1
Delta Grow	DG 4980 R2Y	62.8	—	—	9/2	32	1
Dyna-Gro	S48RS53	62.7	—	—	9/3	34	1
REV ®	48R33 ™	62.6	65.3	—	8/29	32	1

[1](E) = Experimental.

Table 36 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Coahoma County).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny	P4710RY (E)	62.6	61.0	45.8	9/4	26	1
Armor	X1308	62.4	—	—	8/30	32	1
USG	USG 74A79R	62.2	59.9	—	8/27	30	1
Armor	DK4744	61.8	—	—	9/1	26	1
Morsoy Xtra	R2 47X12	60.8	—	—	9/2	34	1
JGL	JG 481 (E)	60.7	—	—	9/7	32	1
Armor	X1307	60.2	—	—	9/5	40	1
Pioneer	94Y80	60.2	60.4	50.3	9/1	30	1
Dyna-Gro	S47RY13	59.9	—	—	8/29	30	1
REV ®	49R54 ™	59.9	—	—	9/1	40	1
REV ®	49R43 ™	59.8	61.7	—	8/30	34	1
REV ®	48R22 ™	59.6	60.6	47.7	8/31	28	1
Progeny	P4900RY	59.3	—	—	8/30	25	1
Hornbeck	HBK R4924	59.2	60.1	45.0	8/31	29	1
Delta Grow	DG 4925 R2Y	58.5	—	—	8/30	33	1
Asgrow	AG4732	58.3	59.3	—	9/6	34	1
REV ®	47R53 ™	58.3	60.0	—	8/31	31	1
Croplan Genetics	R2C4801	58.2	—	—	8/28	37	1
Morsoy Xtra	R2 48X02	57.9	—	—	9/1	28	1
Armor	X1312	57.7	—	—	8/28	26	1
Delta Grow	DG 4755 R2Y	56.9	—	—	9/1	31	1
Morsoy Xtra	R247X31	56.9	—	—	9/4	35	1
Armor	48-R91	56.8	—	—	8/30	33	1
Pioneer	94Y90	56.5	59.1	46.8	9/4	32	1
Delta Grow	DG4975RR	56.4	55.2	40.0	8/30	35	1
Asgrow	AG 4933	56.3	—	—	8/27	32	1
USG	74H81	55.2	60.7	—	8/31	30	1
Morsoy Xtra	R248X00	55.2	—	—	8/30	24	1
REV ®	47R74 ™	54.7	—	—	8/30	31	1
Armor	X1311	54.3	—	—	9/4	33	1
Armor	49-R56	54.1	—	—	9/7	27	1
Delta Grow	DG 4970RR	53.9	58.7	44.7	8/30	32	1
Progeny	P4814RY	53.4	—	—	9/2	31	1
Dyna-Gro	33RY47	52.7	55.4	—	9/1	29	1
REV ®	48R10 ™	52.6	49.7	38.3	8/28	30	1
Delta Grow	DG4770RR	52.3	—	—	8/27	32	1
Great Heart Seed	GT-478CR2	51.8	—	—	9/1	31	1
Pioneer	94Y70	51.7	57.4	44.3	8/31	32	1
Delta Grow	DG 4815R2Y	51.1	—	—	9/1	33	1
JGL	JGL 480(E)	51.1	—	—	9/4	26	1
AGS	AGS 47R212	50.6	—	—	8/28	26	1
Progeny	P4850RY	49.4	—	—	8/26	32	1
Dyna-Gro	DG 37RY47	49.1	—	—	8/29	23	1
REV ®	49R22 ™	48.8	54.4	43.1	9/2	37	1
NK Brand	S46-A1	47.5	—	—	8/27	32	1
Delta Grow	DG 4880RR	46.3	56.5	42.9	8/31	29	1
Schillinger	478.RCS	45.8	53.7	39.3	9/1	34	1
Schillinger	4990.RC	45.2	51.3	38.8	8/29	33	1
University of Missouri	S08-X2499	44.7	—	—	8/27	39	1
REV ®	49R11 ™	44.5	55.6	42.6	8/31	27	1
REV ®	46R73 ™	42.8	48.4	—	8/30	36	1
Delta Grow	DG 4825 R2Y/STS	42.3	—	—	9/5	32	1
Hornbeck	HBK RY4721	36.8	49.6	—	8/31	29	1
Mean		56.8					
LSD (.10)		12.6					
Error df		136					
CV (%)		16.4					
R square (%)		47.5					

[1](E) = Experimental.

Location 3. Todd Williams Farm, Olive Branch

Location Summary

Soybean plots were planted into a well-prepared seedbed. All plots quickly emerged to a suitable stand. Dry conditions persisted throughout the majority of the growing season. As a result of this dry weather, well-below-average yields were recorded.

Soil type:	**Silt loam**
Soil pH:	**5.7**
Soil fertility:	**P=H K=L**
Fertilizer:	**Preplant — 0-50-90-20 sulfur**
Herbicide application:	**Preplant — Authority MTZ @ 12 oz/A and Dual II Magnum @ 16 oz/A on May 16 Postemergence — Glyphosate @ 1qt/A and Select @ 8 oz/A on May 25**
Fungicide application:	**Quadris @ 5 oz/A on Aug. 8**
Insecticide application:	**Acephate @ 0.5 lb/A on Aug. 8**
Previous crop:	**Corn**
Planting date:	**May 16**
Harvest date:	**Group IV Early and IV Late Roundup Ready on Sept. 25; Group V Early and V Late Roundup Ready on Oct. 22**

Rainfall Summary

	Inches
May	1.55
June	1.16
July	1.33
August	0.93
September	6.78
October	3.75
Total	15.50

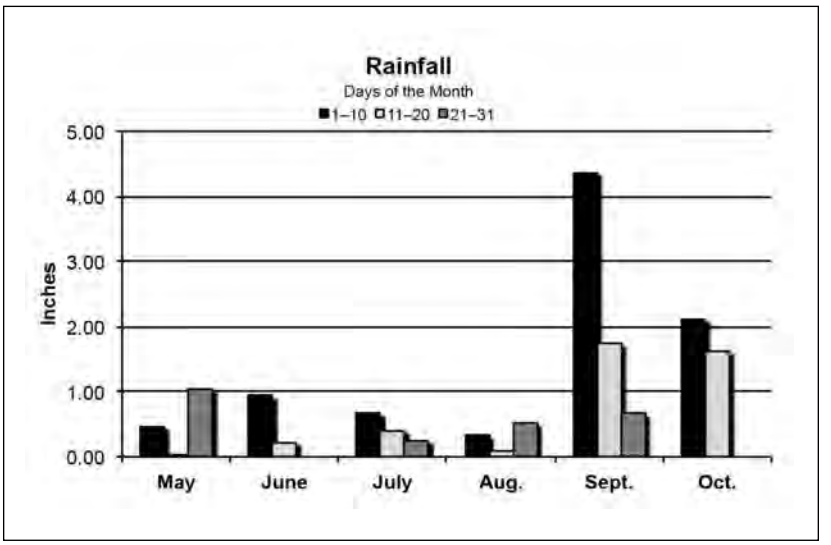

Table 37. Roundup Ready Maturity Group IV Early Soybeans (Todd Williams Farm, DeSoto County).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Morsoy Xtra	46X71	46.2	58.2	—	—	30	1
Asgrow	AG4531	41.9	57.2	53.5	—	24	1
Progeny	P4611RY	41.8	57.3	—	—	24	1
Progeny	P4510RY	39.6	53.1	49.9	—	24	1
Morsoy Xtra	46X29	39.3	55.8	—	—	27	1
AGS	AGS 43R212	38.5	—	—	—	24	1
Pioneer	94Y23	38.1	—	—	—	27	1
Asgrow	AG 4533	37.9	—	—	—	21	1
Armor	46-R64	37.7	—	—	—	24	1
Asgrow	AG4632	36.3	55.0	—	—	16	1
Hornbeck	HBK RY4620	35.7	51.4	—	—	21	1
Pioneer	94Y61	35.0	48.9	—	—	30	1
Asgrow	AG 4232	34.2	—	—	—	24	1
NK Brand	S44-D5 Brand	33.6	51.0	47.1	—	30	1
Croplan Genetics	R2C 4391	33.1	—	—	—	20	1
Morsoy Xtra	R2 44X82	32.9	—	—	—	27	1
Pioneer	94Y50	32.4	50.6	—	—	24	1
Asgrow	AG 4433	31.2	—	—	—	30	1
Dyna-Gro	31RY45	31.0	52.2	—	—	31	1
University of Missouri	S08-X14117	30.8	—	—	—	23	1
Dyna-Gro	S44RS93	30.8	—	—	—	26	1
Armor	44-R08	30.2	—	—	—	31	1
Delta Grow	DG 4575R2Y	30.0	—	—	—	29	1
NK Brand	S46-T3	29.9	—	—	—	19	1
Croplan Genetics	R2C 4541	29.3	—	—	—	21	1
Progeny	P4211RY	29.2	53.4	—	—	35	1
Dyna-Gro	39RY43	28.5	—	—	—	22	1
Schillinger	457.RCP	28.4	48.2	47.0	—	26	1
AGS	AGS 45R212	27.7	—	—	—	21	1
Pioneer	94Y40	27.5	49.5	49.9	—	26	1
Delta Grow	DG 4670R2Y	27.4	47.3	—	—	31	1
Armor	X1303	27.3	—	—	—	20	1
Pioneer	93Y92	27.3	46.8	46.2	—	24	1
Asgrow	AG 4633	20.5	—	—	—	20	1
Pioneer	93Y84	20.4	—	—	—	25	1
Mean		32.6					
LSD (.10)		7.1					
Error df		68					
CV(%)		15.9					
R square (%)		66.2					

[1]No maturity dates taken.

Table 38. Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, DeSoto County).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Schillinger	495.RC	48.9	59.2	57.3	—	35	1
Delta Grow	DG 4970RR	48.5	57.4	54.0	—	31	1
Progeny	P4710RY (E)	45.7	55.6	53.9	—	28	1
Delta Grow	DG 4880RR	45.3	54.3	53.7	—	26	1
Delta Grow	DG 4825 R2Y/STS	44.0	—	—	—	26	1
University of Missouri	S08-X2499	43.3	—	—	—	33	1
Schillinger	4990.RC	40.8	54.8	55.2	—	30	1
Armor	49-R56	40.0	—	—	—	27	1
AGS	AGS 47R212	38.8	—	—	—	29	1
JGL	JGL 480(E)	38.1	—	—	—	31	1
NK Brand	S49-F8	36.7	—	—	—	30	1
Croplan Genetics	R2T4799S	35.7	51.6	—	—	30	1
Armor	X1309	34.6	—	—	—	29	1
REV ®	48R33 ™	34.5	51.5	—	—	22	1

[1](E) = Experimental.
[2]No maturity dates taken.

Table 38 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, DeSoto County).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor	X1312	34.3	—	—	—	31	1
Pioneer	94Y90	34.0	50.5	52.6	—	25	1
Pioneer	94Y82	33.8	—	—	—	24	1
NK Brand	S46-A1	33.2	—	—	—	29	1
Delta Grow	DG4975RR	32.7	52.6	51.2	—	31	1
REV ®	49R22 ™	32.4	48.3	49.9	—	34	1
Hornbeck	HBK R4924	32.4	46.3	47.7	—	29	1
Morsoy Xtra	R2 48X02	32.3	—	—	—	33	1
REV ®	47R74™	32.2	—	—	—	28	1
Asgrow	AG4732	32.0	51.1	—	—	33	1
Armor	48-R91	32.0	—	—	—	31	1
REV ®	49R54™	32.0	—	—	—	24	1
Armor	DK4744	31.8	—	—	—	30	1
Armor	X1307	30.8	—	—	—	34	1
Delta Grow	DG 4980 R2Y	30.5	—	—	—	32	1
Morsoy Xtra	R248X00	30.0	—	—	—	30	1
Morsoy Xtra	R2 47X12	29.9	—	—	—	27	1
Delta Grow	DG 4870 R2Y	29.8	—	—	—	31	1
Progeny	P4747RY	29.8	—	—	—	28	1
Dyna-Gro	S48RS53	29.7	—	—	—	39	1
Armor	X1308	29.3	—	—	—	31	1
Great Heart Seed	GT-478CR2	29.2	—	—	—	28	1
REV ®	47R53 ™	28.8	48.5	—	—	27	1
Progeny	P4900RY	28.8	—	—	—	32	1
Delta Grow	DG4770RR	28.3	—	—	—	29	1
Delta Grow	DG 4925 R2Y	27.8	—	—	—	34	1
Progeny	P4920RY (E)	27.8	—	—	—	34	1
Schillinger	478.RCS	27.6	47.5	49.2	—	31	1
USG	USG 74A79R	27.6	47.5	—	—	26	1
JGL	JG 481 (E)	26.9	—	—	—	31	1
Pioneer	94Y70	26.6	49.2	49.4	—	33	1
Delta Grow	DG 4715R2Y	26.0	—	—	—	29	1
REV ®	49R11 ™	25.6	41.5	44.2	—	32	1
Asgrow	AG 4832	25.5	45.8	—	—	36	1
Progeny	P4814RY	25.4	—	—	—	34	1
Hornbeck	HBK RY4721	25.2	47.9	—	—	28	1
Dyna-Gro	S47RY13	25.2	—	—	—	23	1
Armor	X1306	25.1	—	—	—	33	1
Croplan Genetics	R2C4801	24.8	—	—	—	37	1
Dyna-Gro	33RY47	24.5	43.1	—	—	32	1
Pioneer	94Y80	24.5	46.1	49.5	—	30	1
REV ®	48R10 ™	24.0	39.6	42.3	—	22	1
REV ®	46R73 ™	24.0	39.7	—	—	30	1
Asgrow	AG 4933	23.8	—	—	—	28	1
Armor	X1311	23.7	—	—	—	27	1
Delta Grow	DG 4765 R2Y/STS	23.4	—	—	—	32	1
Dyna-Gro	DG 37RY47	23.3	—	—	—	24	1
REV ®	48R22 ™	22.9	39.2	43.3	—	24	1
Croplan Genetics	R2C 4752S	22.2	—	—	—	28	1
Delta Grow	DG 4755 R2Y	21.8	—	—	—	31	1
Progeny	P4850RY	21.5	—	—	—	33	1
Delta Grow	DG 4815R2Y	20.5	—	—	—	30	1
USG	74H81	18.6	44.7	—	—	30	1
Morsoy Xtra	R247X31	17.3	—	—	—	33	1
REV ®	49R43 ™	15.1	38.9	—	—	29	1
Mean		30.0					
LSD (.10)		6.7					
Error df		136					
CV (%)		16.7					
R square (%)		76.7					

[1](E) = Experimental.
[2]No maturity dates taken.

Table 39. Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, DeSoto County).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Delta Grow	DG 5555RR	51.9	56.9	55.1	—	36	1
Dyna-Gro	37RY52	50.0	—	—	—	33	1
Delta Grow	DG 5556RR	49.8	—	—	—	39	1
NK Brand	S51-H9	47.5	—	—	—	30	1
Delta Grow	DG 5535R2Y	46.9	—	—	—	35	1
USG	75J62R	44.9	—	—	—	44	1
REV ®	56R63™	44.3	52.0	—	—	36	1
Progeny	P5655RY	44.2	52.3	—	—	36	1
Armor	X1314	44.1	—	—	—	30	1
REV ®	55R83™	44.1	—	—	—	32	1
REV ®	55R53™	44.0	—	—	—	24	1
Dyna-Gro	35RY51	42.1	—	—	—	30	1
Dyna-Gro	S54RY43	42.0	—	—	—	32	1
Progeny	5388RY	41.9	—	—	—	40	1
Dyna-Gro	32RY55	40.4	48.1	—	—	32	1
Pioneer	95Y50	40.1	—	—	—	28	1
Progeny	P5610RY (E)	39.9	48.8	51.3	—	35	1
Asgrow	AG5533	38.2	—	—	—	41	1
Dyna-Gro	S53RY23	38.2	—	—	—	31	1
Armor	X1315	38.1	—	—	—	31	1
Delta Grow	DG 5475Ry2	38.1	—	—	—	30	1
Armor	53-R88	37.7	44.9	—	—	28	1
REV ®	56R21 ™	37.4	47.7	49.7	—	32	1
Progeny	P5111RY	36.3	41.7	—	—	30	1
Morsoy Xtra	R2 53X82	35.4	—	—	—	32	1
Progeny	P5412RY	32.7	—	—	—	30	1
Pioneer	95Y01	32.5	50.0	52.3	—	25	1
REV ®	54R84 ™	32.0	—	—	—	26	1
Great Heart Seed	GT-550CR2	31.8	—	—	—	29	1
Pioneer	95Y40	31.4	48.4	52.5	—	23	1
Progeny	P5210RY (E)	30.9	43.9	47.2	—	31	1
Croplan Genetics	R2C5371	30.9	—	—	—	32	1
USG	75Q42R	30.5	—	—	—	28	1
Pioneer	95Y30	29.8	44.1	45.5	—	29	1
Morsoy Xtra	R2 51X52	29.4	—	—	—	34	1
NK Brand	NK S56-G6 Brand	29.2	44.5	48.9	—	24	1
University of Arkansas	R09-1607RR	28.7	—	—	—	28	1
Armor	55-R22	28.5	—	—	—	29	1
Great Heart Seed	GT-500CR2	28.5	—	—	—	27	1
Delta Grow	DG 5175R2Y	28.1	—	—	—	36	1
Armor	X1312	27.9	—	—	—	26	1
Armor	X1316	26.7	—	—	—	23	1
MorSoy	RT 5429N	26.6	40.6	44.3	—	29	1
Armor	53-R15	26.6	44.3	—	—	27	1
Asgrow	AG5633	26.4	—	—	—	31	1
Pioneer	95Y10	26.3	—	—	—	28	1
Armor	X1313	25.9	—	—	—	27	1
Asgrow	AG5332	25.4	44.9	—	—	30	1
Delta Grow	DG5160RR/STS	25.3	46.3		—	34	1
REV ®	51R53™	25.1	41.7	—	—	28	1
Schillinger	5220.RC	24.4	43.7	—	—	32	1
Hornbeck	HBK RY5221	24.2	41.8	—	—	37	1
Croplan Genetics	R2C 5081	24.0	—	—	—	29	1
University of Arkansas	R04-1268RR	23.3	—	—	—	25	1
Asgrow	AG5233	23.1	—	—	—	29	1
Delta Grow	DG5300RR/STS	22.2	41.6	45.6	—	28	1
Morsoy Xtra	54X41	22.0	37.3	—	—	29	1
Hornbeck	HBK RY5521	18.1	38.8	—	—	33	1
Hornbeck	HBK RY5421	16.9	36.9	—	—	25	1
Mean		33.5					
LSD (.10)		8.6					
Error df		118					
CV (%)		19					
R square (%)		74.5					

[1](E) = Experimental.
[2]No maturity dates taken.

Table 40. Roundup Ready Maturity Group V Late Soybeans (Todd Williams Farm, DeSoto County).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Pioneer	95Y80	47.8	—	—	—	30	1
Asgrow	AG5831	41.6	46.6	43.7	—	24	1
Pioneer	95Y70	40.9	46.5	47.9	—	28	1
Progeny	Progeny 5811RY	37.0	47.3	—	—	39	1
Dyna-Gro	39RY57	36.7	46.2	—	—	32	1
REV ®	59R13™	36.4	—	—	—	32	1
Progeny	Progeny 5711RY	35.9	44.6	—	—	32	1
USG	USG 75Z98	35.6	43.4	—	—	27	1
University of Missouri	S08-X6399	33.5	—	—	—	28	1
University of Missouri	S08-X7297	26.3	—	—	—	29	1
Mean		37.2					
LSD (.10)		9					
Error df		18					
CV (%)		17.1					
R square (%)		62.3					

[1]No maturity dates taken.

Location 4. Steele Farms, Longwood

Location Summary

The plots were planted into a stale seedbed with adequate soil moisture. All plots quickly emerged to a good stand. Timely rains in combination with furrow irrigation supplied sufficient soil moisture that the plants never became stressed. Good yields were obtained. There was no weather that delayed harvest.

Soil type: . . . . . **Sharkey clay**

Soil pH: **7.0**

Soil fertility: . . . . . **P=H, K=H**

Irrigation date: . . . . . **Furrow-irrigated as needed**

Herbicide application: . . . . . **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 24 oz/A, and Roundup Powermax @ 24 oz/A on April 25**
Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A, Scepter @ 2.5 oz/A, and Dual II Magnum @ 1.5 pt/A
Conventional/LL – Scepter @ 2.5 oz/A and Dual II Magnum @ 1.5 pt/A

Previous crop: . . . . . **Rice**

Planting date: . . . . . **April 25**

Harvest date: . . . . . **Group IV Early and IV Late Roundup Ready and IV Conventional/LL on Sept. 25; Group V Early and V Late Roundup Ready and V Conventional/LL on Sept. 28**

Rainfall Summary

	Inches
April	0
May	1.38
June	5.13
July	2.39
August	1.25
September	3.34
Total	13.49

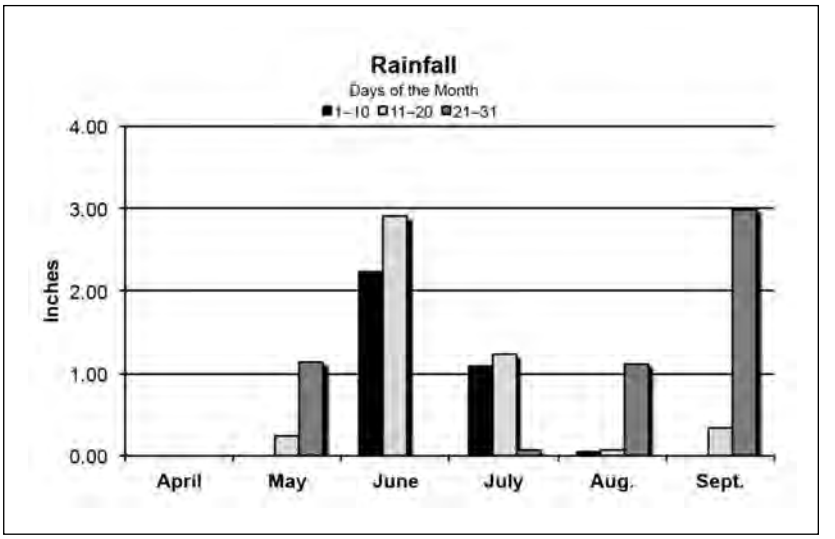

Table 41. Maturity Group IV Conventional/LL Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
US Seeds	Halo 4:94	72.3	57.1	61.2	—	41	2
University of Arkansas	R05-3239	70.0	—	—	—	29	1
Progeny	P4928LL	68.7	—	—	—	47	2
Delta Grow	DG 4990LL	68.5	—	—	—	40	1
Delta Grow	DG 4967LL	66.5	—	—	—	46	3
GoSoy	4912LL	66.3	—	—	—	44	2
GoSoy	4910LL	65.9	—	—	—	28	1
US Seeds	Halo 5:01	65.4	—	—	—	43	2
US Seeds	Halo X478	65.3	—	—	—	31	1
GoSoy	4711LL	65.0	—	—	—	45	3
GoSoy	4812LL	64.9	—	—	—	31	1
Delta Grow	DG 4867LL	64.5	—	—	—	30	1
Progeny	P4819LL	64.4	—	—	—	30	2
US Seeds	Halo 4:95	64.4	—	—	—	32	2
US Seeds	Halo X456	64.1	—	—	—	35	1
US Seeds	Halo 4:65	60.6	50.0	55.3	—	33	1
University of Arkansas	R05-4114	60.0	—	—	—	27	1
GoSoy	4411LL	59.6	51.5	—	—	37	1
USG	USG 74G82L	59.6	—	—	—	37	1
USDA-ARS	LG04-1459-8	59.2	—	—	—	36	3
Mean		64.8					
LSD (.10)		6.3					
Error df		38					
CV (%)		7					
R square (%)		53.5					

[1]No maturity dates taken.

Table 42. Maturity Group V Conventional/LL Irrigated Soybeans (Gibb Steele Farms, Washington County).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny	P5160LL (E)	72.1	59.7	56.0	—	22	2
University of Arkansas	Osage	71.7	57.6	55.1	—	22	1
Delta Grow	DG5461LL	70.9	62.8	61.1	—	41	1
US Seeds	Halo 5:25	70.7	57.4	56.8	—	19	1
GoSoy	5410LL	70.5	—	—	—	43	1
US Seeds	Halo 5:01	70.3	—	—	—	44	2
University of Missouri	S08-X17371	69.7	—	—	—	39	2
Dyna-Gro	34LL53	69.6	51.8	—	—	23	1
GoSoy	5111LL	68.4	54.3	—	—	25	1
Progeny	P5460LL (E)	67.8	55.9	59.2	—	44	2
USDA-ARS	DB05X039-5	67.4	—	—	—	29	3
USDA-ARS	DB05X039-36	65.6	—	—	—	33	3
US Seeds	Halo 5:26	65.1	—	—	—	24	1
University of Arkansas	Ozark	65.1	48.2	45.3	—	28	1
University of Arkansas	UA5612	64.6	—	—	—	35	1
GoSoy	5010LL	64.3	—	—	—	31	1
Progeny	P5960LL (E)	63.9	52.8	54.6	—	29	1
US Seeds	Halo X55	63.4	—	—	—	29	2
US Seeds	Halo 5:45	62.9	—	—	—	27	1
USDA-ARS	DB03-8416(E)	62.8	54.3	58.5	—	29	2
USDA-ARS	JTN-4408	57.7	—	—	—	32	1
USDA-ARS	DB04-10836(E)	57.6	50.5	57.3	—	35	3
USDA-ARS	JTN-4307	51.1	—	—	—	26	1
Mean		65.8					
LSD (.10)		5.6					
Error df		44					
CV (%)		6.2					
R square (%)		72.1					

[1](E) = Experimental.
[2]No maturity dates taken.

Table 43. Roundup Ready Maturity Group IV Early Soybeans (Steele Farms, Washington County).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Delta Grow	DG 4670R2Y	67.6	60.6	—	—	32	1
AGS	AGS 45R212	66.7	—	—	—	29	1
Asgrow	AG4632	65.8	56.4	—	—	28	1
Armor	46-R64	64.7	—	—	—	28	1
Progeny	P4611RY	62.5	57.4	—	—	31	1
Dyna-Gro	31RY45	61.4	57.0	—	—	34	1
Asgrow	AG 4533	61.0	—	—	—	32	1
Croplan Genetics	R2C 4541	60.9	—	—	—	32	1
Progeny	P4510RY	58.2	56.1	61.5	—	33	1
NK Brand	S44-D5 Brand	57.9	48.1	52.5	—	30	1
Asgrow	AG4531	57.4	56.8	63.8	—	32	1
Morsoy Xtra	46X71	54.4	53.6	—	—	33	1
Pioneer	94Y61	54.1	50.1	—	—	24	1
Dyna-Gro	39RY43	53.4	—	—	—	30	1
NK Brand	S46-T3	52.3	—	—	—	22	1
Progeny	P4211RY	51.1	48.4	—	—	33	1
Croplan Genetics	R2C 4391	51.0	—	—	—	27	1
Armor	44-R08	50.9	—	—	—	33	1
Morsoy Xtra	R2 44X82	50.7	—	—	—	33	1
Morsoy Xtra	46X29	50.7	50.6	—	—	34	1
Hornbeck	HBK RY4620	49.1	45.1	—	—	30	1
Delta Grow	DG 4575R2Y	47.3	—	—	—	30	1
Pioneer	94Y40	47.0	44.9	50.9	—	27	1
Asgrow	AG 4433	45.7	—	—	—	32	1
Pioneer	94Y50	45.5	45.1	—	—	36	1
Dyna-Gro	S44RS93	45.5	—	—	—	23	1
Schillinger	457.RCP	45.3	40.3	48.4	—	30	1
Armor	X1303	44.2	—	—	—	32	1
Pioneer	93Y92	41.8	46.3	46.4	—	34	1
Asgrow	AG 4232	41.0	—	—	—	32	1
University of Missouri	S08-X14117	40.6	—	—	—	31	1
AGS	AGS 43R212	37.8	—	—	—	36	1
Pioneer	93Y84	36.8	—	—	—	27	1
Asgrow	AG 4633	35.3	—	—	—	28	1
Pioneer	94Y23	31.2	—	—	—	28	1
Mean		51					
LSD (.10)		8.6					
Error df		68					
CV (%)		12.4					
R square (%)		77.2					

[1]No maturity dates taken.

Table 44. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor	49-R56	77.5	—	—	—	28	1
Progeny	Progeny 4900RY	77.1	—	—	—	29	1
Delta Grow	DG 4715R2Y	74.1	—	—	—	34	1
Morsoy Xtra	R2 47X12	73.9	—	—	—	38	1
Morsoy Xtra	R248X00	73.6	—	—	—	33	1
Progeny	P4747RY	72.9	—	—	—	36	1
Delta Grow	DG 4925 R2Y	72.2	—	—	—	37	1
Armor	X1307	71.7	—	—	—	38	1
Armor	DK4744	71.7	—	—	—	33	1
Delta Grow	DG 4825 R2Y/STS	71.6	—	—	—	30	1
Delta Grow	DG 4765 R2Y/STS	71.5	—	—	—	38	1
Armor	X1306	70.7	—	—	—	34	1
Armor	X1312	70.3	—	—	—	39	1
Pioneer	94Y82	70.0	—	—	—	36	1
Asgrow	AG 4933	69.7	—	—	—	37	1

[1](E) = Experimental.
[2]No maturity dates taken.

Table 44 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny	P4710RY (E)	69.7	61.3	64.1	—	32	1
Asgrow	AG4732	69.2	58.6	—	—	41	1
Progeny	P4850RY	69.2	—	—	—	32	1
Armor	48-R91	68.7	—	—	—	41	2
Delta Grow	DG 4970RR	68.7	51.8	55.8	—	35	2
Croplan Genetics	R2T4799S	68.1	63.4	—	—	35	1
University of Missouri	S08-X2499	68.0	—	—	—	43	2
Asgrow	AG 4832	67.9	57.5	—	—	39	1
Croplan Genetics	R2C4801	67.8	—	—	—	38	2
Dyna-Gro	S47RY13	67.8	—	—	—	39	1
Delta Grow	DG 4870 R2Y	66.9	—	—	—	33	1
Schillinger	478.RCS	66.6	50.8	58.5	—	36	1
Croplan Genetics	R2C 4752S	66.4	—	—	—	33	1
Delta Grow	DG4975RR	66.4	55.7	60.7	—	37	2
Delta Grow	DG 4755 R2Y	66.1	—	—	—	35	1
Delta Grow	DG4770RR	66.0	—	—	—	41	2
Schillinger	495.RC	66.0	52.6	56.7	—	43	2
Dyna-Gro	DG 37RY47	65.5	—	—	—	33	1
JGL	JG 481 (E)	65.4	—	—	—	33	1
JGL	JGL 480 (E)	65.4	—	—	—	36	1
Dyna-Gro	S48RS53	65.3	—	—	—	37	1
REV ®	49R22 ™	64.8	48.8	55.8	—	43	2
NK Brand	S49-F8	64.8	—	—	—	35	1
REV ®	48R22 ™	64.4	49.7	51.5	—	34	1
Armor	X1311	64.4	—	—	—	34	1
Morsoy Xtra	R2 48X02	64.4	—	—	—	31	1
Delta Grow	DG 4880RR	64.4	47.9	51.7	—	40	1
Dyna-Gro	33RY47	64.3	53.7	—	—	36	1
Armor	X1308	64.3	—	—	—	32	1
Hornbeck	HBK RY4721	63.2	53.1	—	—	39	1
REV ®	47R53 ™	62.9	53.7	—	—	34	1
USG	USG 74A79R	62.9	52.6	—	—	29	1
REV ®	49R54™	62.6	—	—	—	42	2
Delta Grow	DG 4815R2Y	61.9	—	—	—	32	1
NK Brand	S46-A1	61.5	—	—	—	41	1
Schillinger	4990.RC	61.4	48.1	53.3	—	40	2
REV ®	48R10 ™	61.2	48.0	53.0	—	34	1
REV ®	49R43 ™	61.1	50.7	—	—	36	1
Delta Grow	DG 4980 R2Y	60.9	—	—	—	33	1
Progeny	P4920RY (E)	60.6	—	—	—	36	1
Morsoy Xtra	R247X31	60.4	—	—	—	37	1
REV ®	47R74™	59.8	—	—	—	35	1
REV ®	46R73 ™	58.7	50.2	—	—	34	1
Hornbeck	HBK R4924	58.4	48.0	56.6	—	41	2
Armor	X1309	57.6	—	—	—	37	1
USG	74H81	57.6	49.2	—	—	35	1
Great Heart Seed	GT-478CR2	57.0	—	—	—	38	1
Pioneer	94Y80	56.7	47.0	53.4	—	34	1
AGS	AGS 47R212	55.0	—	—	—	35	1
Progeny	P4814RY	54.5	—	—	—	30	1
Pioneer	94Y70	54.5	48.1	52.7	—	34	1
REV ®	48R33™	54.2	52.0	—	—	40	1
Pioneer	94Y90	52.9	48.6	53.3	—	36	1
REV ®	49R11™	52.4	36.3	43.1	—	33	1
Mean		65.0					
LSD (.10)		7.2					
Error df		136					
CV (%)		8.2					
R square (%)		69.4					

[1](E) = Experimental.
[2]No maturity dates taken.

Table 45. Roundup Ready Maturity Group V Early Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
REV ®	55R53™	73.4	—	—	—	25	1
Dyna-Gro	32RY55	73.3	55.4	—	—	35	1
Pioneer	95Y40	72.4	54.8	54.6	—	28	1
Asgrow	AG5332	71.2	58.3	—	—	36	2
REV ®	54R84 ™	69.4	—	—	—	26	1
REV ®	56R21 ™	68.2	53.8	53.3	—	29	2
REV ®	55R83™	67.8	—	—	—	34	1
Pioneer	95Y50	67.8	—	—	—	37	1
Armor	X1316	66.1	—	—	—	32	1
Dyna-Gro	S53RY23	66.0	—	—	—	26	1
Progeny	P5610RY (E)	65.4	51.6	53.5	—	32	1
Asgrow	AG5533	65.1	—	—	—	32	2
Morsoy Xtra	54X41	65.0	50.8	—	—	31	1
NK Brand	NK S56-G6 Brand	64.7	46.7	46.4	—	25	1
MorSoy	RT 5429N	64.5	49.6	49.4	—	37	1
USG	75J62R	63.2	—	—	—	60	3
Asgrow	AG5633	62.9	—	—	—	27	1
Armor	55-R22	62.8	—	—	—	32	1
Pioneer	95Y01	62.3	55.0	56.0	—	37	1
REV ®	56R63™	62.1	54.5	—	—	39	2
Hornbeck	HBK RY5221	61.6	54.8	—	—	31	3
Dyna-Gro	35RY51	61.4	—	—	—	31	1
Pioneer	95Y30	61.3	51.3	53.4	—	38	1
NK Brand	S51-H9	61.2	—	—	—	28	1
Dyna-Gro	S54RY43	61.2	—	—	—	31	1
Great Heart Seed	GT-500CR2	61.1	—	—	—	31	1
Schillinger	5220.RC	60.9	52.4	—	—	35	1
Hornbeck	HBK RY5421	60.7	46.7	—	—	20	1
Croplan Genetics	R2C 5081	60.5	—	—	—	28	1
Morsoy Xtra	R2 51X52	60.4	—	—	—	31	1
Delta Grow	DG 5175R2Y	60.2	—	—	—	24	1
Progeny	P5111RY	60.1	49.2	—	—	31	1
Dyna-Gro	37RY52	59.5	—	—	—	28	1
Delta Grow	DG 5556RR	59.3	—	—	—	34	2
Delta Grow	DG 5555RR	59.0	50.2	49.9	—	40	2
Delta Grow	DG5160RR/STS	59.0	49.7	—	—	40	1
Asgrow	AG5233	58.7	—	—	—	35	1
Progeny	P5210RY (E)	58.4	46.9	49.7	—	21	1
Delta Grow	DG 5475RY2	58.1	—	—	—	31	1
Croplan Genetics	R2C5371	57.3	—	—	—	31	1
REV ®	51R53™	57.3	55.2	—	—	34	1
Armor	X1313	57.1	—	—	—	26	1
Armor	53-R15	56.9	43.8	—	—	29	1
University of Arkansas	R09-1607RR	56.6	—	—	—	30	1
Armor	53-R88	55.6	45.9	—	—	25	1
USG	75Q42R	55.6	—	—	—	27	1
Pioneer	95Y10	54.2	—	—	—	37	1
Morsoy Xtra	R2 53X82	53.6	—	—	—	30	1
Delta Grow	DG5300RR/STS	53.1	45.0	46.2	—	34	1
University of Arkansas	R04-1268RR	52.2	—	—	—	29	1
Armor	X1312	50.0	—	—	—	33	1
Hornbeck	HBK RY5521	49.5	46.5	—	—	27	1
Armor	X1314	46.6	—	—	—	30	1
Progeny	5388RY	45.4	—	—	—	38	3
Progeny	P5655RY	43.7	42.3	—	—	29	3
Great Heart Seed	GT-550CR2	43.5	—	—	—	24	1
Delta Grow	DG 5535R2Y	40.4	—	—	—	25	1
Armor	X1315	37.6	—	—	—	29	1
Progeny	P5412RY	31.5	—	—	—	25	2
Mean		58.8					
LSD (.10)		8					
Error df		118					
CV (%)		10.1					
R square (%)		75.6					

[1](E) = Experimental.
[2]No maturity dates taken.

Table 46. Roundup Ready Maturity Group V Late Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USG	USG 75Z98	70.1	56.0	—	—	31	2
Dyna-Gro	39RY57	69.2	59.4	—	—	31	1
Pioneer	95Y80	67.8	—	—	—	37	2
REV ®	59R13 ™	63.1	—	—	—	30	1
Progeny	Progeny 5711RY	62.6	53.9	—	—	27	1
Pioneer	95Y70	62.3	51.0	51.5	—	35	3
Asgrow	AG5831	61.8	51.3	54.8	—	30	1
University of Missouri	S08-X7297	59.8	—	—	—	44	2
University of Missouri	S08-X6399	48.6	—	—	—	38	2
Progeny	Progeny 5811RY	47.8	45.6	—	—	31	1
Mean		61.3					
LSD (.10)		8.5					
Error df		18					
CV (%)		9.8					
R square (%)		71.6					

[1]No maturity dates taken.

Location 5. MAFES Black Belt Branch, Brooksville

Location Summary

Soybean plots were planted in late April into well-prepared seedbeds. Soil moisture was adequate for optimum germination. All plots quickly emerged to good stand . Timely rains at critical growing points throughout the season allowed for good yields. Harvest was completed without any weather delays.

Soil type: . . . . . **Brooksville silty clay**

Soil pH: **6.1**

Soil fertility: . . . . . **P=M, K=M**

Herbicide application: . . . . . **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 24 oz/A, Python @ 1.25 oz/A, and Roundup Powermax @ 24 oz/A on April 23**
Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A on June 19
Conventional/LL select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Scepter @ 2.5 oz/A on June 19

Previous crop: . . . . . **Corn**

Planting date: . . . . . **April 23**

Harvest date: . . . . . **Group IV Conventional/LL and Group IV Early and IV Late Roundup Ready on Sept. 12, Group V Conventional/LL and Group V Early and V Late Roundup Ready on Sept. 27**

Rainfall Summary

	Inches
April	0
May	5.23
June	1.94
July	10.86
August	5.02
September	8.79
Total	31.84

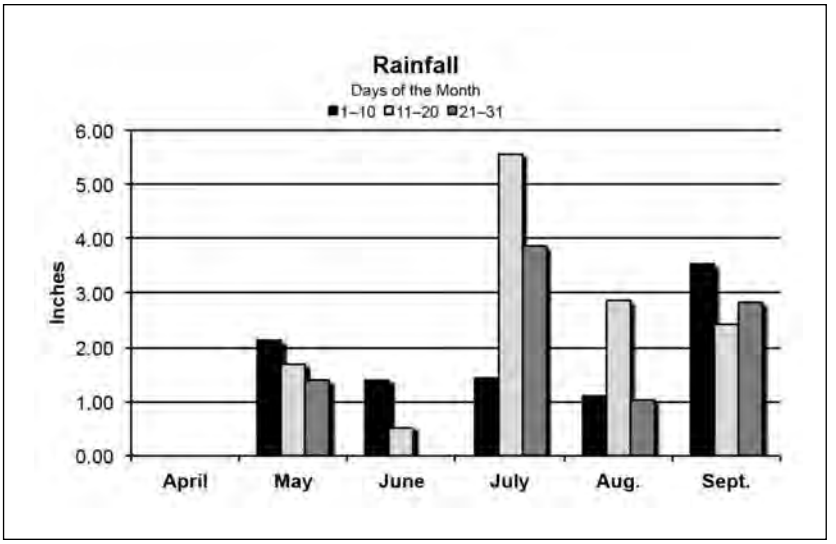

Table 47. Maturity Group IV Conventional/LL Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
US Seeds	Halo X478	62.6	—	—	9/4	33	1
USDA-ARS	LG04-1459-8	61.9	—	—	8/25	31	1
University of Arkansas	R05-3239	61.4	—	—	9/6	24	1
US Seeds	Halo 5:01	61.1	—	—	9/5	44	1
US Seeds	Halo X456	60.7	—	—	9/1	31	1
GoSoy	4912LL	59.9	—	—	9/5	41	1
Delta Grow	DG 4967LL	59.0	—	—	9/4	40	1
US Seeds	Halo 4:65	58.6	54.1	42.0	9/1	29	1
GoSoy	4411LL	58.3	54.0	—	8/31	30	1
Delta Grow	DG 4867LL	58.1	—	—	8/31	26	1
US Seeds	Halo 4:94	57.4	53.9	44.5	9/2	36	1
GoSoy	4711LL	57.3	—	—	8/28	36	1
Delta Grow	DG 4990LL	57.3	—	—	9/2	38	1
Progeny	P4819LL	57.1	—	—	8/27	27	1
Progeny	P4928LL	56.6	—	—	9/3	38	1
University of Arkansas	R05-4114	56.4	—	—	9/11	23	1
US Seeds	Halo 4:95	56.0	—	—	9/3	29	1
GoSoy	4812LL	54.7	—	—	8/31	33	1
USG	USG 74G82L	52.7	—	—	8/27	25	1
GoSoy	4910LL	50.4	—	—	9/9	35	1
Mean		57.9					
LSD (.10)		9.5					
Error df		38					
CV (%)		11.9					
R square (%)		30.5					

Table 48. Maturity Group V Conventional/LL Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
University of Missouri	S08-X17371	76.9	—	—	9/12	33	1
USDA-ARS	DB04-10836(E)	69.6	57.9	45.3	9/14	20	1
GoSoy	5010LL	68.9	—	—	9/4	25	1
USDA-ARS	DB03-8416(E)	68.6	56.0	45.3	9/12	25	1
USDA-ARS	JTN-4408	68.5	—	—	9/7	28	1
US Seeds	Halo 5:01	66.9	—	—	9/10	37	1
University of Arkansas	Ozark	65.9	53.8	43.1	9/4	32	1
USDA-ARS	DB05X039-5	65.1	—	—	9/14	27	1
GoSoy	5410LL	62.9	—	—	9/5	36	1
USDA-ARS	DB05X039-36	62.6	—	—	9/14	26	1
University of Arkansas	Osage	60.6	53.7	43.9	9/7	23	1
Delta Grow	DG5461LL	57.0	46.6	38.2	9/4	37	1
University of Arkansas	UA5612	54.8	—	—	9/9	27	1
Progeny	P5460LL (E)	54.3	42.7	35.6	9/5	38	1
US Seeds	Halo 5:45	53.8	—	—	9/10	20	1
US Seeds	Halo 5:25	53.1	46.7	38.9	9/13	18	1
USDA-ARS	JTN-4307	51.9	—	—	9/10	24	1
Progeny	P5960LL (E)	50.8	47.0	38.7	9/14	26	1
US Seeds	Halo 5:26	49.0	—	—	9/4	24	1
US Seeds	Halo X55	46.6	—	—	9/10	26	1
Dyna-Gro	34LL53	46.4	44.2	—	9/5	14	1
Progeny	P5160LL (E)	38.3	36.4	32.3	9/9	17	1
GoSoy	5111LL	37.7	42.4	—	9/6	19	1
Mean		57.8					
LSD (.10)		10.1					
Error df		44					
CV (%)		12.8					
R square (%)		78.4					

[1](E) = Experimental.

Table 49. Roundup Ready Maturity Group IV Early Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Croplan Genetics	R2C 4541	70.6	—	—	8/29	32	1
Asgrow	AG4531	70.2	60.1	48.3	8/27	25	1
Morsoy Xtra	46X29	69.0	62.4	—	8/26	29	1
Dyna-Gro	31RY45	68.8	59.8	—	8/29	29	1
Progeny	P4611RY	68.2	62.4	—	8/24	24	1
Asgrow	AG 4433	68.2	—		8/25	23	1
Pioneer	94Y50	67.3	55.1	—	8/29	27	1
Asgrow	AG4632	66.6	59.9	—	8/28	25	1
NK Brand	S44-D5 Brand	65.9	57.3	42.7	8/25	26	1
Progeny	P4510RY	65.4	61.4	47.2	8/25	31	1
Dyna-Gro	S44RS93	64.9	—	—	8/30	32	1
Delta Grow	DG 4575R2Y	64.7	—	—	8/28	30	1
Asgrow	AG 4232	64.4	—	—	8/25	23	1
Armor	46-R64	64.2	—	—	8/28	29	1
Hornbeck	HBK RY4620	63.3	57.7	—	8/27	26	1
AGS	AGS 45R212	63.2	—	—	8/25	28	1
Asgrow	AG 4533	62.8	—	—	8/25	29	1
Morsoy Xtra	46X71	62.5	59.9	—	8/31	32	1
Dyna-Gro	39RY43	61.7	—	—	8/25	24	1
Asgrow	AG 4633	60.9	—	—	8/25	33	1
Croplan Genetics	R2C 4391	59.4	—	—	8/28	24	1
Armor	44-R08	59.3	—	—	8/27	27	1
Pioneer	94Y40	59.2	55.5	43.2	8/29	25	1
Delta Grow	DG 4670R2Y	59.0	57.1	—	8/23	32	1
AGS	AGS 43R212	59.0	—	—	8/23	30	1
University of Missouri	S08-X14117	58.7	—	—	8/24	22	1
Pioneer	94Y61	58.0	50.3	—	8/28	32	1
Schillinger	457.RCP	57.6	54.6	44.3	8/27	33	1
Morsoy Xtra	R2 44X82	56.5	—	—	8/23	27	1
Armor	X1303	56.3	—	—	8/23	24	1
Progeny	P4211RY	55.6	53.0	—	8/28	32	1
NK Brand	S46-T3	54.9	—	—	8/25	23	1
Pioneer	94Y23	53.5	—	—	8/24	29	1
Pioneer	93Y92	42.9	40.7	32.1	8/23	23	1
Pioneer	93Y84	41.4	—	—	8/24	23	1
Mean		61.3					
LSD (.10)		7.4					
Error df		68					
CV (%)		8.9					
R square (%)		77.1					

Table 50. Roundup Ready Maturity Group IV Late Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Delta Grow	DG 4765 R2Y/STS	82.2	—	—	9/1	33	1
Progeny	P4850RY	78.0	—	—	8/31	33	1
Morsoy Xtra	R2 47X12	77.3	—	—	8/30	33	1
Schillinger	478.RCS	75.3	62.5	47.8	9/5	30	1
Croplan Genetics	R2C 4752S	74.2	—	—	8/31	30	1
Armor	X1307	72.5	—	—	8/29	35	1
Delta Grow	DG 4970RR	71.0	62.2	48.7	8/30	32	1
Delta Grow	DG 4825 R2Y/STS	70.9	—	—	8/28	26	1
REV ®	49R54 ™	70.2	—	—	8/30	37	1
Armor	X1309	66.8	—	—	8/28	37	1
Asgrow	AG4732	66.6	57.7	—	8/31	30	1
Morsoy Xtra	R2 48X02	66.1	—	—	8/28	29	1
Dyna-Gro	33RY47	66.1	55.9	—	9/1	30	1
Armor	DK4744	65.7	—	—	8/31	25	1
Dyna-Gro	S47RY13	65.3	—	—	8/24	32	1
JGL	JGL 480 (E)	65.2	—	—	8/29	28	1

[1](E) = Experimental.

Table 50 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Delta Grow	DG 4925 R2Y	65.1	—	—	9/2	28	1
Armor	X1312	65.1	—	—	8/29	25	1
Armor	48-R91	64.9	—	—	8/30	30	1
Morsoy Xtra	R248X00	64.9	—	—	9/2	29	1
Croplan Genetics	R2C4801	64.5	—	—	8/30	32	1
Dyna-Gro	S48RS53	64.1	—	—	8/28	32	1
Morsoy Xtra	R247X31	63.6	—	—	9/1	38	1
Asgrow	AG 4933	63.6	—	—	8/30	24	1
Pioneer	94Y90	62.7	56.2	45.7	8/29	30	1
Dyna-Gro	DG 37RY47	62.7	—	—	9/1	27	1
REV ®	48R22 ™	62.6	56.0	44.8	8/23	27	1
Pioneer	94Y82	62.5	—	—	8/24	31	1
Armor	X1306	62.4	—	—	8/28	29	1
Delta Grow	DG 4755 R2Y	62.1	—	—	8/30	32	1
Progeny	P4710RY (E)	61.7	61.3	49.2	8/30	26	1
Schillinger	495.RC	61.4	56.1	45.1	8/29	32	1
University of Missouri	S08-X2499	60.8	—	—	9/1	29	1
REV ®	48R33 ™	60.8	56.6	—	8/29	32	1
REV ®	47R74 ™	60.6	—	—	8/24	29	1
Asgrow	AG 4832	60.4	56.0	—	9/1	30	1
Progeny	P4747RY	60.4	—	—	8/29	29	1
Armor	X1308	60.2	—	—	8/28	26	1
JGL	JG 481 (E)	60.1	—	—	9/4	26	1
Croplan Genetics	R2T4799S	59.6	58.0	—	8/30	28	1
USG	USG 74A79R	59.5	59.9	—	8/31	28	1
Delta Grow	DG 4715R2Y	59.5	—	—	8/31	27	1
Progeny	Progeny 4900RY	59.3	—	—	9/1	28	1
REV ®	49R22 ™	59.0	53.9	45.7	8/25	35	1
Hornbeck	HBK RY4721	58.9	56.1	—	8/30	29	1
Delta Grow	DG 4870 R2Y	58.8	—	—	8/28	26	1
NK Brand	S46-A1	58.4	—	—	8/23	26	1
Armor	49-R56	58.0	—	—	8/31	26	1
Pioneer	94Y80	57.5	56.9	48.7	8/26	28	1
REV ®	48R10 ™	57.2	55.1	43.5	8/30	33	1
Progeny	P4920RY (E)	57.1	—	—	8/29	30	1
REV ®	49R43 ™	57.1	53.2	—	8/29	29	1
REV ®	46R73 ™	56.8	54.2	—	8/25	30	1
Progeny	P4814RY	56.8	—	—	8/31	30	1
Hornbeck	HBK R4924	56.6	54.9	45.9	8/30	37	1
Armor	X1311	56.4	—	—	8/25	25	1
Delta Grow	DG 4880RR	55.8	50.5	42.0	8/30	30	1
AGS	AGS 47R212	54.6	—	—	8/29	25	1
REV ®	47R53 ™	54.4	51.4	—	8/23	31	1
Delta Grow	DG 4815R2Y	53.4	—	—	8/28	25	1
Schillinger	4990.RC	53.3	49.9	41.3	9/6	28	1
Delta Grow	DG 4980 R2Y	53.2	—	—	8/27	28	1
Delta Grow	DG4975RR	52.6	53.3	45.5	8/30	33	1
Delta Grow	DG4770RR	52.2	—	—	8/25	31	1
Great Heart Seed	GT-478CR2	51.3	—	—	8/30	32	1
REV ®	49R11 ™	50.9	51.7	41.4	8/27	22	1
NK Brand	S49-F8	50.7	—	—	8/30	27	1
USG	74H81	50.2	52.9	—	8/30	29	1
Pioneer	94Y70	49.8	48.8	40.3	8/23	25	1
Mean		61.4					
LSD (.10)		8.2					
Error df		136					
CV (%)		9.9					
R square (%)		77.1					

[1](E) = Experimental.

Table 51. Roundup Ready Maturity Group V Early Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Dyna-Gro	32RY55	62.2	50.0	—	9/8	23	1
REV ®	55R53™	59.6	—	—	9/13	25	1
Armor	X1315	59.0	—	—	9/14	31	1
Armor	55-R22	58.6	—	—	9/14	35	1
REV ®	55R83™	56.8	—	—	9/7	29	1
Delta Grow	DG 5535R2Y	56.3	—	—	9/9	28	1
Progeny	P5655RY	56.2	49.3	—	9/8	31	1
Progeny	P5610RY (E)	55.9	53.2	45.5	9/8	28	1
Dyna-Gro	S54RY43	55.9	—	—	9/4	26	1
Progeny	Progeny 5412RY	55.7	—	—	9/9	28	1
Progeny	5388RY	55.3	—	—	9/7	38	1
Morsoy Xtra	R2 51X52	55.1	—	—	9/4	27	1
Delta Grow	DG 5556RR	54.9	—	—	9/16	32	1
Great Heart Seed	GT-500CR2	54.9	—	—	9/2	28	1
Pioneer	95Y40	54.4	47.2	39.4	9/15	25	1
Hornbeck	HBK RY5221	54.3	52.3	—	9/12	32	1
Morsoy Xtra	R2 53X82	54.3	—	—	9/6	29	1
Pioneer	95Y30	54.0	45.7	37.1	9/7	28	1
Hornbeck	HBK RY5521	53.7	49.2	—	9/8	24	1
Asgrow	AG5332	53.6	47.4	—	8/29	25	1
Great Heart Seed	GT-550CR2	53.5	—	—	9/2	23	1
Delta Grow	DG5160RR/STS	52.6	44.7	—	9/1	31	1
Pioneer	95Y01	52.5	41.9	34.2	9/12	29	1
Asgrow	AG5633	51.9	—	—	9/8	21	1
Progeny	Progeny 5111RY	51.9	49.9	—	9/12	29	1
Morsoy Xtra	54X41	51.7	48.5	—	9/14	25	1
Armor	X1316	51.7	—	—	9/7	30	1
REV ®	51R53™	51.6	48.0	—	9/6	23	1
NK Brand	S51-H9	51.6	—	—	9/1	24	1
Pioneer	95Y10	51.6	—	—	9/3	28	1
Schillinger	5220.RC	51.5	46.1	—	9/8	27	1
USG	75J62R	51.3	—	—	9/13	47	2
MorSoy	RT 5429N	51.1	44.6	37.6	9/14	32	1
Dyna-Gro	S53RY23	50.9	—	—	9/1	26	1
USG	75Q42R	50.2	—	—	9/10	25	1
Delta Grow	DG 5475RY2	49.8	—	—	9/11	35	1
Delta Grow	DG5300RR/STS	49.2	41.1	33.3	9/9	27	1
Asgrow	AG5533	49.0	—	—	9/6	32	1
Pioneer	95Y50	49.0	—	—	9/11	32	1
Croplan Genetics	R2C 5081	48.8	—	—	9/7	20	1
Armor	X1312	48.7	—	—	9/7	24	1
Delta Grow	DG 5555RR	48.6	43.3	38.1	9/14	30	1
University of Arkansas	R04-1268RR	48.3	—	—	9/11	25	1
Armor	53-R15	48.2	45.7	—	9/10	21	1
Progeny	P5210RY (E)	47.9	45.6	39.6	9/7	19	1
University of Arkansas	R09-1607RR	47.9	—	—	9/13	27	1
Dyna-Gro	35RY51	47.5	—	—	8/31	25	1
REV ®	56R21 ™	47.2	45.1	39.7	9/12	32	1
Armor	53-R88	47.0	44.0	—	9/7	20	1
Armor	X1314	46.9	—	—	9/9	22	1
Armor	X1313	45.9	—	—	9/4	27	1
Hornbeck	HBK RY5421	45.7	44.7	—	9/8	21	1
Dyna-Gro	37RY52	45.4	—	—	9/5	20	1
REV ®	54R84 ™	45.1	—	—	9/14	19	1
REV ®	56R63™	44.6	44.7	—	9/11	30	1
NK Brand	NK S56-G6	44.3	39.8	32.7	9/15	28	1
Asgrow	AG5233	44.0	—	—	8/28	27	1
Delta Grow	DG 5175R2Y	39.5	—	—	9/4	21	1
Croplan Genetics	R2C5371	34.4	—	—	9/6	24	1
Mean		55.3					
LSD (.10)		12					
Error df		118					
CV (%)		16.1					
R square (%)		58.5					

[1](E) = Experimental.

Table 52. Roundup Ready Maturity Group V Late Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Pioneer	95Y80	68.0	—	—	9/16	32	1
Pioneer	95Y70	64.2	51.7	42.9	9/6	37	1
University of Missouri	S08-X6399	63.3	—	—	9/3	35	1
Dyna-Gro	39RY57	61.8	53.3	—	9/12	30	1
Progeny	P5811RY	60.4	51.5	—	9/13	29	1
REV ®	59R13 ™	59.9	—	—	9/15	27	1
Asgrow	AG5831	59.1	49.7	40.1	9/3	28	1
University of Missouri	S08-X7297	57.5	—	—	9/6	32	1
USG	USG 75Z98	56.9	46.7	—	9/17	22	1
Progeny	P5711RY	55.2	50.5	—	9/14	30	1
Mean		60.6					
LSD (.10)		9					
Error df		18					
CV (%)		10.5					
R square (%)		58.8					

Location 6. Morton Farms, Falkner

Location Summary

Soybean plots were planted into stale seedbeds with adequate moisture. Heavy rains after planting resulted in a less than desirable stand for some of the maturity groups. After emergence, the poor stand was destroyed with herbicide and then replanted. Timely rains throughout the growing season supplied ample soil moisture. Harvest was completed with no weather delays, and good yields were observed.

Soil type:	**Sandy loam**
Soil pH:	**6.8**
Soil fertility:	**P=H, K=H**
Fertilizer added:	**Preplant — 0-46-0 @ 100 lb/A and 0-0-60 @ 150 lb/A**
Herbicide applications:	**Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 1 pt/A, Python @ 1.25 oz/A, and Roundup Powermax @ 24 oz/A on April 20 and 26**
Previous crop:	**Soybeans**
Planting date:	**Group IV Late Roundup Ready, Group IV, and V Conventional/LL on April 26; Group IV Early, V Early, and V Late Roundup Ready on April 20 and then replanted on May 16**
Harvest date:	**Group IV Early and IV Late Roudup Ready and IV Conventional/LL on Sept. 21; Group V Early and V Late Roundup Ready and V Conventional/LL on Oct. 10**

Rainfall Summary

	Inches
April	3.01
May	2.97
June	3.49
July	4.09
August	2.61
September	6.19
October	3.22
Total	25.58

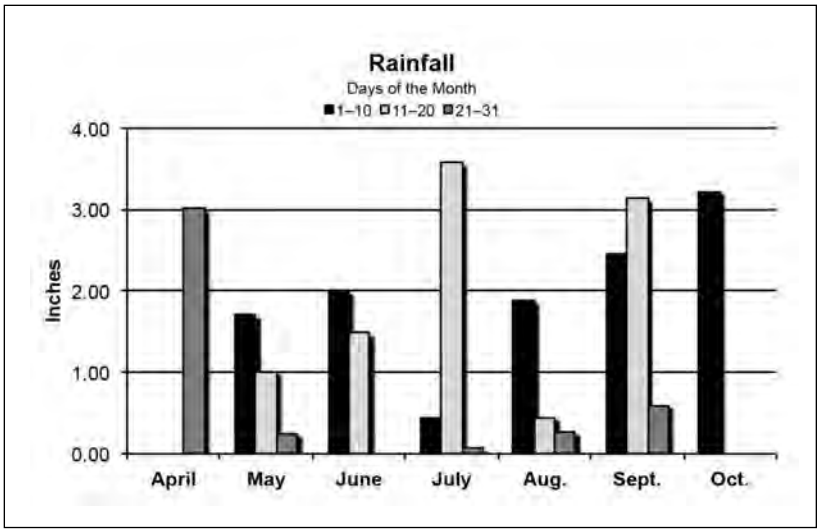

Table 53. Maturity Group IV Conventional/LL Soybeans (Morton Farms, Falkner).

Brand	Variety	Yield			Maturity date[1]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
GoSoy	4912LL	80.5	—	—	—	54	2
Delta Grow	DG 4967LL	76.6	—	—	—	55	2
US Seeds	Halo 4:95	76.5	—	—	—	42	3
GoSoy	4812LL	75.8	—	—	—	48	1
US Seeds	Halo 5:01	74.6	—	—	—	49	1
US Seeds	Halo X478	74.4	—	—	—	37	2
GoSoy	4910LL	73.4	—	—	—	36	1
Delta Grow	DG 4990LL	73.0	—	—	—	47	1
USG	USG 74G82L	72.8	—	—	—	36	1
US Seeds	Halo X456	72.1	—	—	—	41	3
US Seeds	Halo 4:94	71.6	66.7	70.6	—	48	1
US Seeds	Halo 4:65	71.3	68.6	71.6	—	44	2
GoSoy	4411LL	71.2	69.7	—	—	44	2
University of Arkansas	R05-4114	70.7	—	—	—	37	3
University of Arkansas	R05-3239	68.5	—	—	—	36	1
Progeny	Progeny 4819LL	68.1	—	—	—	39	2
Delta Grow	DG 4867LL	68.1	—	—	—	40	2
GoSoy	4711LL	67.6	—	—	—	46	3
Progeny	Progeny 4928LL	67.5	—	—	—	40	1
USDA-ARS	LG04-1459-8	64.1	—	—	—	40	4
Mean		71.9					
LSD (.10)		8.6					
Error df		38					
CV (%)		8.7					
R square (%)		49.5					

[1]No maturity dates taken.

Table 54. Maturity Group V Conventional/LL Soybeans (Morton Farms, Falkner).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USDA-ARS	DB04-10836(E)	91.8	76.4	76.2	—	36	1
Delta Grow	DG5461LL	83.7	72.7	70.1	—	44	1
USDA-ARS	DB05X039-5	80.8	—	—	—	40	2
USDA-ARS	JTN-4307	78.1	—	—	—	37	1
University of Arkansas	Osage	76.8	69.2	71.8	—	32	1
University of Arkansas	UA5612	75.9	—	—	—	30	1
University of Missouri	S08-X17371	75.6	—	—	—	37	1
USDA-ARS	DB03-8416(E)	74.8	66.3	65.7	—	35	1
US Seeds	Halo 5:01	74.6	—	—	—	46	1
University of Arkansas	Ozark	74.6	67.5	71.1	—	26	1
USDA-ARS	DB05X039-36	74.3	—	—	—	38	2
GoSoy	5010LL	72.8	—	—	—	38	1
GoSoy	5410LL	72.4	—	—	—	44	1
GoSoy	5111LL	71.4	64.0	—	—	33	1
Progeny	P5460LL (E)	71.0	65.6	67.8	—	39	1
US Seeds	Halo X55	70.4	—	—	—	32	1
Progeny	P5960LL (E)	69.4	62.8	62.7	—	33	1
US Seeds	Halo 5:25	66.2	63.9	65.9	—	25	1
Progeny	P5160LL (E)	66.1	59.6	62.4	—	30	1
USDA-ARS	JTN-4408	65.6	—	—	—	37	1
US Seeds	Halo 5:26	64.9	—	—	—	33	1
US Seeds	Halo 5:45	61.4	—	—	—	31	1
Dyna-Gro	34LL53	54.2	55.3	—	—	29	1
Mean		72.5					
LSD (.10)		10.1					
Error df		44					
CV (%)		10.1					
R square (%)		63.9					

[1](E) = Experimental.
[2]No maturity dates taken.

Table 55. Roundup Ready Maturity Group IV Early Soybeans (Morton Farms, Falkner).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Pioneer	94Y50	85.6	76.2	—	9/14	43	1
Asgrow	AG 4232	84.6	—	—	9/12	38	1
Asgrow	AG4632	82.2	81.2	—	9/27	42	1
Morsoy Xtra	46X71	81.0	73.4	—	9/17	42	1
Delta Grow	DG 4670R2Y	78.2	70.6	—	9/18	42	1
NK Brand	S46-T3	77.3	—	—	9/15	32	1
Asgrow	AG 4433	75.2	—	—	9/17	37	1
Dyna-Gro	31RY45	73.8	68.9	—	9/25	45	1
AGS	AGS 43R212	73.3	—	—	9/12	45	1
Schillinger	457.RCP	72.5	68.4	67.7	9/15	41	2
Croplan Genetics	R2C 4541	72.5	—	—	9/18	43	1
Morsoy Xtra	R2 44X82	72.0	—	—	9/12	40	1
Hornbeck	HBK RY4620	71.5	67.0	—	9/18	40	1
Dyna-Gro	S44RS93	71.4	—	—	9/18	38	1
Pioneer	94Y61	71.2	62.5	—	9/15	44	2
Morsoy Xtra	46X29	70.8	64.2	—	9/17	41	1
Armor	X1303	70.6	—	—	9/12	33	1
Pioneer	93Y84	70.5	—	—	9/14	38	1
Armor	46-R64	70.5	—	—	9/18	41	1
Dyna-Gro	39RY43	70.1	—	—	9/15	37	1
Armor	44-R08	69.7	—	—	9/14	42	1
Progeny	P4510RY	69.4	67.1	67.7	9/17	44	1
Progeny	P4211RY	69.2	69.5	—	9/12	45	1
Croplan Genetics	R2C 4391	67.1	—	—	9/17	45	1
Delta Grow	DG 4575R2Y	65.5	—	—	9/12	41	1
AGS	AGS 45R212	64.3	—	—	9/18	43	1
NK Brand	S44-D5 Brand	64.2	61.9	63.6	9/15	38	1
Asgrow	AG4531	64.1	66.6	66.0	9/17	39	1
Asgrow	AG 4633	63.1	—	—	9/15	36	1
Pioneer	93Y92	61.5	61.4	64.6	9/14	37	1
Pioneer	94Y40	61.3	63.7	68.2	9/14	41	1
Progeny	P4611RY	60.2	58.9	—	9/17	36	1
Asgrow	AG 4533	59.8	—	—	9/17	40	1
University of Missouri	S08-X14117	59.6	—	—	9/14	35	1
Pioneer	94Y23	55.9	—	—	9/12	43	1
Mean		70					
LSD (.10)		14.1					
Error df		68					
CV (%)		14.9					
R square (%)		49.4					

Table 56. Roundup Ready Maturity Group IV Late Soybeans (Morton Farms, Falkner).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Morsoy Xtra	R2 47X12	80.1	—	—	—	42	1
University of Missouri	S08-X2499	78.3	—	—	—	50	1
Armor	X1309	75.6	—	—	—	42	2
Hornbeck	HBK RY4721	75.4	70.1	—	—	50	2
Dyna-Gro	S48RS53	75.0	—	—	—	43	2
Hornbeck	HBK R4924	74.4	67.2	67.7	—	55	3
REV ®	48R33 ™	73.6	70.7	—	—	37	2
USG	USG 74A79R	73.2	68.2	—	—	38	2
Great Heart Seed	GT-478CR2	72.3	—	—	—	53	2
NK Brand	S49-F8	72.0	—	—	—	45	2
Asgrow	AG 4832	71.5	64.1	—	—	55	2
Progeny	P4850RY	71.3	—	—	—	43	1
Schillinger	4990.RC	70.9	66.1	66.9	—	43	2
Delta Grow	DG 4825 R2Y/STS	70.8	—	—	—	36	1
Morsoy Xtra	R2 48X02	70.8	—	—	—	37	1

[1](E) = Experimental.
[2]No maturity dates taken.

Table 56 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Morton Farms, Falkner).

Brand	Variety[1]	Yield			Maturity date[2]	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Dyna-Gro	DG 37RY47	70.2	—	—	—	32	1
Delta Grow	DG 4970RR	69.4	65.0	67.7	—	45	1
Croplan Genetics	R2C 4752S	69.0	—	—	—	37	1
USG	74H81	68.9	68.0	—	—	48	3
Schillinger	478.RCS	68.6	62.7	65.0	—	39	1
Armor	48-R91	68.6	—	—	—	43	2
REV ®	48R22 ™	68.5	61.7	64.9	—	47	3
NK Brand	S46-A1	68.5	—	—	—	44	1
Progeny	P4710RY (E)	67.6	66.7	62.8	—	40	2
Pioneer	94Y90	67.6	67.5	68.3	—	38	1
Armor	DK4744	67.5	—	—	—	38	2
Pioneer	94Y82	67.4	—	—	—	42	2
Asgrow	AG4732	66.9	64.9	—	—	48	2
REV ®	49R22™	66.8	62.7	64.4	—	53	2
Delta Grow	DG 4755 R2Y	66.7	—	—	—	36	1
Armor	X1307	66.7	—	—	—	41	1
REV ®	48R10 ™	66.2	63.9	65.7	—	33	2
Delta Grow	DG 4765 R2Y/STS	66.2	—	—	—	37	2
Delta Grow	DG 4870 R2Y	66.2	—	—	—	32	1
Pioneer	94Y70	65.7	64.5	68.1	—	41	1
Armor	X1312	65.6	—	—	—	36	2
Morsoy Xtra	R248X00	65.5	—	—	—	37	1
Croplan Genetics	R2T4799S	64.7	64.2	—	—	31	1
Progeny	P4747RY	64.7	—	—	—	43	2
Delta Grow	DG 4715R2Y	64.6	—	—	—	39	1
REV ®	49R43 ™	64.1	62.2	—	—	36	2
Delta Grow	DG 4925 R2Y	64.0	—	—	—	42	2
REV ®	47R74 ™	63.9	—	—	—	37	2
Dyna-Gro	S47RY13	63.9	—	—	—	40	1
Asgrow	AG 4933	63.8	—	—	—	47	1
REV ®	49R11 ™	63.5	62.4	63.2	—	33	1
REV ®	49R54 ™	63.2	—	—	—	47	3
Schillinger	495.RC	62.9	59.6	62.6	—	45	2
Morsoy Xtra	R247X31	61.9	—	—	—	45	1
Armor	X1308	61.6	—	—	—	40	3
JGL	JG 481 (E)	61.6	—	—	—	35	1
Delta Grow	DG 4880RR	61.4	62.3	65.6	—	40	2
Progeny	P4920RY (E)	61.3	—	—	—	36	1
REV ®	47R53 ™	61.1	64.9	—	—	38	2
JGL	JGL 480 (E)	60.1	—	—	—	44	1
AGS	AGS 47R212	59.8	—	—	—	39	2
Dyna-Gro	33RY47	59.1	59.8	—	—	42	2
Progeny	P4814RY	59.1	—	—	—	37	1
Delta Grow	DG4770RR	58.9	—	—	—	40	2
Armor	49-R56	58.6	—	—	—	37	1
REV ®	46R73™	58.4	60.2	—	—	41	3
Delta Grow	DG4975RR	58.4	56.6	58.6	—	44	3
Croplan Genetics	R2C4801	57.9	—	—	—	44	1
Progeny	P4900RY	56.8	—	—	—	37	1
Armor	X1311	56.4	—	—	—	38	2
Armor	X1306	56.3	—	—	—	36	1
Delta Grow	DG 4980 R2Y	55.5	—	—	—	38	1
Delta Grow	DG 4815R2Y	54.6	—	—	—	36	1
Pioneer	94Y80	44.9	53.3	58.1	—	40	2
Mean		65.5					
LSD (.10)		11.3					
Error df		136					
CV (%)		12.8					
R square (%)		48.6					

[1](E) = Experimental.
[2]No maturity dates taken.

Table 57. Roundup Ready Maturity Group V Early Soybeans (Morton Farms, Falkner).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
REV ®	51R53™	97.3	79.2	—	10/1	41	1
MorSoy	RT 5429N	93.6	75.9	75.7	10/2	36	1
Progeny	5388RY	93.5	—	—	10/1	32	1
Progeny	P5610RY (E)	92.9	74.5	75.7	10/1	36	1
REV ®	56R21 ™	92.2	75.8	73.2	10/4	33	1
Delta Grow	DG 5555RR	89.3	74.4	73.0	10/2	39	1
Armor	X1312	88.9	—	—	10/2	35	1
NK Brand	NK S56-G6 Brand	87.3	71.4	70.6	10/4	24	1
Armor	53-R88	87.2	72.0	—	10/2	28	1
Morsoy Xtra	R2 51X52	85.8	—	—	10/4	32	1
Morsoy Xtra	54X41	85.6	73.2	—	10/1	37	1
REV ®	54R84™	85.6	—	—	10/1	31	1
Dyna-Gro	32RY55	84.8	71.9	—	10/3	39	1
USG	75J62R	84.2	—	—	10/4	45	1
Croplan Genetics	R2C 5081	83.9	—	—	10/3	51	1
REV ®	55R83™	83.9	—	—	10/2	36	1
Croplan Genetics	R2C5371	83.7	—	—	10/3	37	1
Great Heart Seed	GT-500CR2	82.8	—	—	10/2	34	1
Delta Grow	DG 5556RR	82.0	—	—	10/2	40	1
Progeny	P5111RY	81.9	69.2	—	10/2	34	1
Asgrow	AG5233	79.2	—	—	10/2	33	1
REV ®	55R53™	78.9	—	—	10/3	33	1
Pioneer	95Y40	78.6	68.0	69.7	10/4	29	1
Delta Grow	DG5300RR/STS	77.6	65.6	64.1	10/2	30	1
Progeny	P5655RY	77.6	65.4	—	10/1	38	1
Armor	55-R22	77.5	—	—	10/2	28	1
Armor	X1316	77.0	—	—	10/2	32	1
REV ®	56R63™	76.8	67.8	—	10/3	30	1
Hornbeck	HBK RY5421	76.6	69.6	—	10/3	22	1
Delta Grow	DG5160RR/STS	76.1	68.7	—	10/4	34	1
Hornbeck	HBK RY5521	75.4	65.6	—	10/3	26	1
University of Arkansas	R09-1607RR	75.1	—	—	10/2	27	1
Dyna-Gro	S53RY23	75.1	—	—	10/4	27	1
Armor	53-R15	75.0	64.3	—	10/2	28	1
Progeny	P5412RY	74.6	—	—	10/1	32	1
Progeny	P5210RY (E)	73.5	63.3	64.3	10/1	30	1
Armor	X1315	72.7	—	—	10/2	27	1
Armor	X1313	71.4	—	—	10/1	32	1
Asgrow	AG5633	71.2	—	—	10/2	32	1
Asgrow	AG5533	71.1	—	—	10/2	39	1
Dyna-Gro	35RY51	70.7	—	—	10/4	33	1
Delta Grow	DG 5475Ry2	70.0	—	—	10/3	32	1
Delta Grow	DG 5175R2Y	69.4	—	—	10/4	27	1
Great Heart Seed	GT-550CR2	69.3	—	—	10/1	34	1
Morsoy Xtra	R2 53X82	69.3	—	—	10/4	37	1
Hornbeck	HBK RY5221	67.3	60.6	—	10/3	44	1
Pioneer	95Y01	66.9	63.8	66.2	10/4	37	1
Schillinger	5220.RC	65.9	62.1	—	10/4	33	1
Pioneer	95Y10	65.5	—	—	10/4	36	1
USG	75Q42R	64.2	—	—	10/4	27	1
Delta Grow	DG 5535R2Y	63.7	—	—	10/4	26	1
Dyna-Gro	S54RY43	63.6	—	—	10/4	28	1
NK Brand	S51-H9	63.4	—	—	10/4	25	1
Pioneer	95Y30	63.3	59.0	61.9	10/4	25	1
University of Arkansas	R04-1268RR	63.1	—	—	10/2	30	1
Asgrow	AG5332	61.8	60.4	—	10/2	40	1
Dyna-Gro	37RY52	58.8	—	—	10/2	27	1
Pioneer	95Y50	58.3	—	—	10/4	32	1
Armor	X1314	58.0	—	—	10/4	21	1
Mean		75.9					
LSD (.10)		14.8					
Error df		118					
CV (%)		14.4					
R square (%)		56.7					

[1](E) = Experimental.

Table 58. Roundup Ready Maturity Group V Late Soybeans (Morton Farms, Falkner).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Pioneer	95Y70	89.7	72.7	68.0	9/26	48	1
Dyna-Gro	39RY57	81.9	72.9	—	9/26	38	1
Pioneer	95Y80	79.9	—	—	9/28	42	1
University of Missouri	S08-X7297	78.0	—	—	9/26	47	1
USG	USG 75Z98	73.3	64.6	—	9/30	35	2
Progeny	P5811RY	72.5	62.9	—	9/26	43	1
University of Missouri	S08-X6399	72.3	—	—	9/26	38	1
REV ®	59R13™	72.0	—	—	9/26	44	1
Asgrow	AG5831	71.2	61.3	64.0	9/28	29	1
Progeny	P5711RY	69.6	64.9	—	9/28	43	1
Mean		76					
LSD (.10)		13.8					
Error df		18					
CV (%)		12.9					
R square (%)		62					

Location 7. Brown Loam Branch, Raymond

Location Summary

Soybean plots were planted into a freshly prepared seedbed with excellent soil moisture. All plots quickly emerged to a good stand. Timely rains that occurred at critical points during the growing season allowed for good yields. Harvest was completed in a timely manner without weather delays.

Soil type: . . . . . **Loring silt loam**

Soil pH: **6.1**

Soil fertility: . . . . . **P=M, K=M**

Herbicide applications: . . . . **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 16 oz/A, and Roundup Powermax @ 24 oz/A on April 24**
Postemergence — Roundup Powermax @ 22 oz/A on May 17, Roundup Powermax @ 22 oz/A, and Firstrate @ 0.6 oz/A on June 8

Previous crop: . . . . . **Soybeans**

Planting date: . . . . . **April 24**

Harvest date: . . . . . **Group IV Early and IV Late Roundup Ready on Sept. 5; Group V Early and V Late Roundup Ready on Sept. 20**

Rainfall Summary

	Inches
April	0
May	5.33
June	1.21
July	7.74
August	11.30
September	1.24
Total	26.82

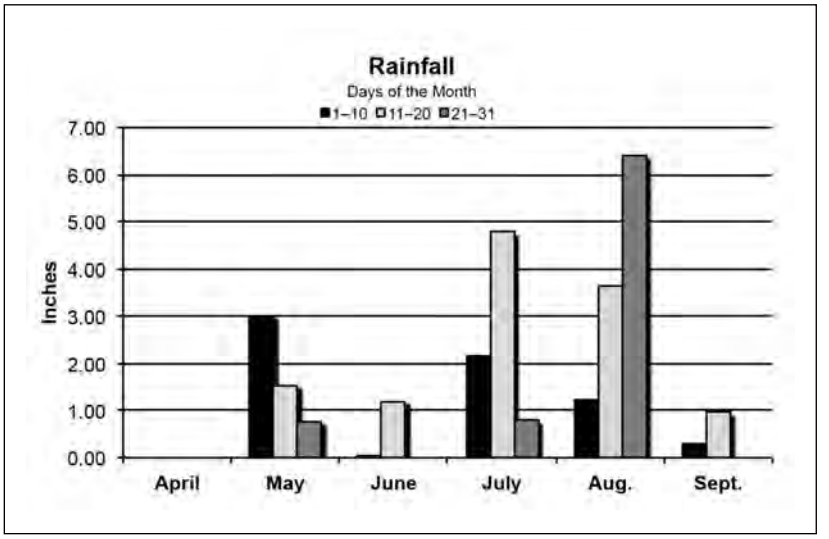

Table 59. Roundup Ready Maturity Group IV Early Soybeans (Brown Loam Branch, Raymond).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Asgrow	AG4531	88.4	60.5	62.4	8/21	27	1
Morsoy Xtra	46X29	79.8	55.7	—	8/24	25	1
Armor	46-R64	79.2	—	—	8/27	28	1
Morsoy Xtra	46X71	78.3	52.7	—	8/27	29	1
Dyna-Gro	31RY45	77.7	53.5	—	8/21	26	1
Asgrow	AG 4633	77.7	—	—	8/21	25	1
Progeny	P4611RY	77.2	53.4	—	8/21	23	1
Dyna-Gro	S44RS93	76.4	—	—	8/27	24	1
Hornbeck	HBK RY4620	75.7	51.1	—	8/24	26	1
AGS	AGS 43R212	73.9	—	—	8/22	31	1
Asgrow	AG4632	73.6	58.2	—	8/31	26	1
Progeny	P4510RY	73.6	53.6	59.1	8/24	24	1
Delta Grow	DG 4670R2Y	73.0	50.5	—	8/24	22	1
Schillinger	457.RCP	72.0	49.6	52.7	8/24	26	1
Asgrow	AG 4232	71.8	—	—	8/24	24	1
Armor	44-R08	71.6	—	—	8/24	25	1
Croplan Genetics	R2C 4541	68.0	—	—	8/24	25	1
Croplan Genetics	R2C 4391	67.9	—	—	8/27	25	1
NK Brand	S46-T3	67.7	—	—	8/21	18	1
Asgrow	AG 4533	67.5	—	—	8/21	29	1
Delta Grow	DG 4575R2Y	67.5	—	—	8/27	27	1
Pioneer	94Y61	66.8	45.8	—	8/27	29	1
NK Brand	S44-D5	66.2	48.3	52.8	8/21	26	1
Pioneer	94Y50	65.7	53.8	—	8/24	27	1
Progeny	P4211RY	64.5	41.6	—	8/24	31	1
University of Missouri	S08-X14117	63.2	—	—	8/21	22	1
AGS	AGS 45R212	61.9	—	—	8/27	27	1
Dyna-Gro	39RY43	61.7	—	—	8/24	23	1
Morsoy Xtra	R2 44X82	61.6	—	—	8/21	26	1
Armor	X1303	61.6	—	—	8/21	21	1
Pioneer	94Y40	58.9	42.1	51.7	8/27	27	1
Pioneer	94Y23	58.2	—	—	8/21	30	1
Asgrow	AG 4433	56.2	—	—	8/24	21	1
Pioneer	93Y92	49.9	33.4	42.2	8/21	21	1
Pioneer	93Y84	42.9	—	—	8/24	20	1
Mean		68.5					
LSD (.10)		11.8					
Error df		68					
CV (%)		12.7					
R square (%)		74.1					

Table 60. Roundup Ready Maturity Group IV Late Soybeans (Brown Loam Branch, Raymond).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
University of Missouri	S08-X2499	84.3	—	—	8/28	31	1
Dyna-Gro	S48RS53	80.3	—	—	8/21	33	1
Delta Grow	DG 4825 R2Y/STS	78.5	—	—	8/28	26	1
Pioneer	94Y80	78.5	63.3	62.4	8/24	32	1
Armor	DK4744	75.7	—	—	8/23	28	1
Morsoy Xtra	R247X31	75.5	—	—	8/28	33	1
Pioneer	94Y82	73.0	—	—	8/24	31	1
NK Brand	S49-F8	72.9	—	—	8/31	27	1
Progeny	P4920RY (E)	72.6	—	—	8/28	26	1
Armor	X1309	72.5	—	—	8/28	32	1
Pioneer	94Y70	71.2	52.0	55.7	8/24	32	1
Delta Grow	DG 4765 R2Y/STS	70.3	—	—	8/28	30	1
Armor	X1307	69.9	—	—	8/24	27	1
Schillinger	4990.RC	69.7	59.1	61.8	8/31	25	1
Pioneer	94Y90	69.7	54.1	58.0	8/24	30	1
Dyna-Gro	DG 37RY47	69.3	—	—	8/24	25	1

[1](E) = Experimental.

Table 60 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Brown Loam Branch, Raymond).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
REV ®	47R53 ™	69.1	55.4	—	8/27	26	1
USG	74H81	68.8	53.7	—	8/21	29	1
NK Brand	S46-A1	68.6	—	—	8/24	31	1
REV ®	49R43 ™	68.4	51.0	—	8/24	26	1
Asgrow	AG 4832	68.4	54.4	—	8/28	32	1
Hornbeck	HBK R4924	68.0	55.0	58.5	8/27	33	1
REV ®	47R74 ™	68.0	—	—	8/24	26	1
Morsoy Xtra	R248X00	67.9	—	—	8/31	26	1
Asgrow	AG 4933	67.9	—	—	8/31	29	1
REV ®	49R22 ™	67.6	55.3	61.2	8/21	32	1
Schillinger	478.RCS	67.3	53.0	55.1	8/31	26	1
Delta Grow	DG4975RR	66.9	50.6	52.8	8/31	29	1
REV ®	49R54 ™	66.5	—	—	8/27	36	1
Delta Grow	DG 4880RR	66.1	50.9	56.5	8/24	29	1
Delta Grow	DG 4815R2Y	65.8	—	—	8/24	26	1
Croplan Genetics	R2C 4752S	65.8	—	—	8/31	26	1
Progeny	P4710RY (E)	65.5	51.8	56.8	8/24	24	1
Armor	X1308	65.2	—	—	8/31	30	1
REV ®	48R22 ™	65.2	52.8	55.8	8/24	25	1
Morsoy Xtra	R2 47X12	65.0	—	—	8/24	30	1
REV ®	48R33 ™	64.8	55.2	—	8/27	32	1
Delta Grow	DG 4980 R2Y	64.6	—	—	8/28	24	1
Great Heart Seed	GT-478CR2	64.5	—	—	8/27	34	1
Armor	48-R91	64.4	—	—	8/21	28	1
Dyna-Gro	33RY47	64.4	49.5	—	8/24	30	1
REV ®	46R73 ™	64.4	47.7	—	8/27	29	1
REV ®	48R10 ™	64.3	52.6	57.6	8/24	25	1
AGS	AGS 47R212	64.3	—	—	8/24	28	1
Delta Grow	DG 4925 R2Y	63.5	—	—	8/31	31	1
Delta Grow	DG 4970RR	61.7	48.4	51.6	8/31	30	1
Progeny	P4850RY	60.9	—	—	8/24	24	1
Progeny	P4747RY	60.7	—	—	8/28	29	1
Schillinger	495.RC	60.6	48.5	53.6	8/31	26	1
Dyna-Gro	S47RY13	59.7	—	—	8/31	30	1
USG	USG 74A79R	59.5	52.2	—	8/31	25	1
Asgrow	AG4732	59.4	48.2	—	8/24	30	1
Delta Grow	DG4770RR	59.4	—	—	8/24	28	1
JGL	JGL 480 (E)	58.8	—	—	8/28	27	1
Armor	X1312	58.5	—	—	8/28	23	1
Croplan Genetics	R2C4801	57.9	—	—	8/21	31	1
Progeny	P4814RY	56.7	—	—	8/24	23	1
Armor	X1306	55.7	—	—	8/24	24	1
Hornbeck	HBK RY4721	55.2	43.8	—	8/27	26	1
Armor	49-R56	55.2	—	—	8/31	25	1
JGL	JG 481 (E)	54.7	—	—	8/31	26	1
Progeny	P4900RY	54.5	—	—	8/28	24	1
Armor	X1311	54.1	—	—	8/24	26	1
Croplan Genetics	R2T4799S	53.7	46.9	—	8/31	23	1
Delta Grow	DG 4755 R2Y	51.9	—	—	8/28	25	1
Morsoy Xtra	R2 48X02	51.2	—	—	8/21	28	1
Delta Grow	DG 4715R2Y	50.7	—	—	8/21	27	1
Delta Grow	DG 4870 R2Y	45.6	—	—	8/24	27	1
REV ®	49R11 ™	43.2	42.8	47.7	8/24	24	1
Mean		64.4					
LSD (.10)		14.8					
Error df		136					
CV (%)		17					
R square (%)		52.1					

[1](E) = Experimental.

Table 61. Maturity Group V Early Soybeans (Brown Loam Branch, Raymond).

Brand	Variety[1]	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Dyna-Gro	32RY55	76.3	60.1	—	9/11	24	1
REV ®	55R83 ™	75.7	—	—	9/7	28	1
REV ®	55R53 ™	75.2	—	—	9/7	21	1
Dyna-Gro	S54RY43	74.6	—	—	9/7	25	1
Croplan Genetics	R2C5371	74.4	—	—	8/27	25	1
Delta Grow	DG 5556RR	74.2	—	—	8/31	27	1
Progeny	P5412RY	71.9	—	—	9/7	25	1
Progeny	P5610RY (E)	71.8	59.7	64.3	9/7	24	1
Armor	53-R15	71.1	55.3	—	8/31	20	1
USG	75Q42R	70.8	—	—	8/31	23	1
Hornbeck	HBK RY5521	68.9	57.8	—	9/7	23	1
Pioneer	95Y40	68.5	53.9	65.6	8/31	15	1
REV ®	51R53 ™	68.4	57.8	—	9/7	26	1
REV ®	56R21 ™	67.9	54.0	60.7	9/7	21	1
Armor	55-R22	67.7	—	—	9/7	22	1
REV ®	54R84 ™	66.8	—	—	9/7	17	1
Delta Grow	DG 5555RR	66.1	54.5	60.4	9/11	25	1
Armor	53-R88	66.1	53.2	—	9/7	21	1
Progeny	P5655RY	65.8	54.8	—	9/7	30	1
Morsoy Xtra	54X41	65.8	58.0	—	9/7	21	1
Progeny	P5210RY (E)	65.7	54.3	62.0	9/7	18	1
Asgrow	AG5233	65.1	—	—	8/27	27	1
Dyna-Gro	35RY51	64.9	—	—	8/27	25	1
Asgrow	AG5332	64.5	58.9	—	8/24	28	1
Asgrow	AG5633	64.2	—	—	9/7	24	1
Armor	X1314	63.8	—	—	8/31	24	1
Asgrow	AG5533	63.7	—	—	9/7	24	1
REV ®	56R63 ™	63.6	49.2	—	9/7	25	1
Armor	X1315	63.5	—	—	8/31	23	1
Delta Grow	DG 5475Ry2	61.6	—	—	9/7	24	1
Hornbeck	HBK RY5421	60.0	46.5	—	8/31	23	1
Progeny	5388RY	59.7	—	—	9/7	37	1
Delta Grow	DG 5535R2Y	58.7	—	—	9/7	24	1
Dyna-Gro	37RY52	58.5	—	—	9/7	22	1
Delta Grow	DG5300RR/STS	58.0	44.7	55.5	9/7	24	1
Progeny	P5111RY	57.8	50.7	—	9/7	26	1
NK Brand	NK S56-G6 Brand	57.6	45.4	48.9	9/7	20	1
Armor	X1316	57.2	—	—	8/27	25	1
Armor	X1312	57.0	—	—	9/7	27	1
Delta Grow	DG 5175R2Y	56.9	—	—	8/27	26	1
Delta Grow	DG5160RR/STS	56.8	44.1	—	8/27	33	1
Pioneer	95Y10	56.3	—	—	9/7	23	1
Pioneer	95Y01	56.0	47.8	54.5	9/7	28	1
Morsoy Xtra	R2 51X52	55.6	—	—	8/31	25	1
Great Heart Seed	GT-550CR2	55.6	—	—	8/27	22	1
Morsoy Xtra	R2 53X82	54.3	—	—	9/7	24	1
Armor	X1313	53.6	—	—	8/31	23	1
Croplan Genetics	R2C 5081	52.7	—	—	9/7	27	1
NK Brand	S51-H9	52.5	—	—	9/7	23	1
Dyna-Gro	S53RY23	52.4	—	—	9/7	29	1
University of Arkansas	R04-1268RR	52.1	—	—	9/7	16	1
Pioneer	95Y50	51.2	—	—	9/7	19	1
Pioneer	95Y30	50.5	45.3	55.0	8/27	22	1
Great Heart Seed	GT-500CR2	50.3	—	—	8/27	25	1
MorSoy	RT 5429N	50.1	42.3	52.2	9/7	22	1
University of Arkansas	R09-1607RR	49.4	—	—	9/7	21	1
USG	75J62R	47.9	—	—	9/7	41	1
Schillinger	5220.RC	44.6	42.0	—	8/31	26	1
Hornbeck	HBK RY5221	39.8	36.1	—	8/27	30	1
Mean		61.2					
LSD (.10)		15.1					
Error df		116					
CV (%)		18.2					
R square (%)		54.6					

[1](E) = Experimental.

Table 62. Roundup Ready Maturity Group V Late Soybeans (Brown Loam Branch, Raymond).

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2012	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USG	USG 75Z98	69.4	56.0	—	9/7	22	1
Progeny	P5711RY	69.1	54.5	—	9/7	26	1
Dyna-Gro	39RY57	68.4	50.8	—	9/7	25	1
Progeny	P5811RY	68.0	49.4	—	9/7	20	1
Pioneer	95Y80	63.8	—	—	9/11	22	1
Asgrow	AG5831	61.3	47.2	55.9	9/7	19	1
Pioneer	95Y70	60.9	47.5	53.9	9/11	25	1
University of Missouri	S08-X7297	56.2	—	—	8/31	32	1
REV ®	59R13 ™	55.9	—	—	9/11	25	1
University of Missouri	S08-X6399	51.8	—	—	8/27	26	1
Mean		62.5					
LSD (.10)		8.7					
Error df		18					
CV (%)		9.8					
R square (%)		65.3					

Plant Characteristics

Table 63. Plant Characteristics of Maturity Group IV Conventional Soybeans.[1]

Brand	Variety	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
DG 4867LL	Delta Grow	white	tawny	brown	black	3314	—	4.8
DG 4967LL	Delta Grow	white	gray	tan	imp. black	3363	—	4.9
DG 4990LL	Delta Grow	purple	gray	tan	imp. black	2944	—	4.9
4411LL	GoSoy	purple	light tawny	brown	black	2908	I	4.4
4711LL	GoSoy	purple	gray	tan	imp. black	2825	I	4.7
4812LL	GoSoy	white	tawny	brown	black	3059	I	4.8
4910LL	GoSoy	purple	gray	tan	imp. black	2926	I	4.9
4912LL	GoSoy	white	gray	tan	imp. black	3231	I	4.9
Progeny 4819LL	Progeny	white	gray	brown	buff	2976	I	4.8
Progeny 4928LL	Progeny	purple	gray	tan	buff	2959	I	4.9
R05-3239	U. of Arkansas	purple	tawny	tan	black	2869	D	4.8
R05-4114	U. of Arkansas	purple	gray	tan	buff	3329	D	4.9
Halo 4:65	US Seeds	—	—	—	—	2904	—	4.6
Halo 4:94	US Seeds	—	—	—	—	2900	—	4.9
Halo X456	US Seeds	—	—	—	—	2900	—	4.5
Halo X478	US Seeds	—	—	—	—	3190	—	4.7
Halo 4:95	US Seeds	—	—	—	—	3191	—	4.8
Halo 5:01	US Seeds	—	—	—	—	3600	—	4.9
LG04-1459-8	USDA-ARS	white	gray	brown	yellow	2502	I	4.8
USG 74G82L	USG	white	tawny	brown	black	3052	—	4.8

[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 64. Plant Characteristics of Maturity Group V Conventional Soybeans.[1]

Brand	Variety	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
DG5461LL	Delta Grow	purple	light tawny	tan	brown	3837	—	5.4
34LL53	Dyna-Gro	white	tawny	brown	black	2656	—	5.3
5010LL	GoSoy	—	—	—	—	2784	—	5.0
5111LL	GoSoy	purple	gray	tan	imp. black	2617	D	5.1
5410LL	GoSoy	—	—	—	—	2974	—	—
P5160LL (E)	Progeny	white	tawny	brown	black	2969	D	5.1
P5460LL (E)	Progeny	purple	light tawny	tan	brown	2990	D	5.4
P5960LL (E)	Progeny	white	gray	brown	buff	3021	D	5.9
Osage	U. of Arkansas	purple	gray	tan	imp. black	3122	—	5.6
Ozark	U. of Arkansas	purple	gray	tan	buff	3132	—	5.2
UA5612	U. of Arkansas	purple	gray	tan	imp. black	3297	—	5.6
S08-X17371	U. of Missouri	white	tawny	tan	black	2990	—	5.1
Halo 5:25	US Seeds	—	—	—	—	2800	—	5.3
Halo 5:45	US Seeds	—	—	—	—	2879	—	5.4
Halo 5:01	US Seeds	—	—	—	—	3600	—	5.0
Halo 5:26	US Seeds	—	—	—	—	2890	—	5.1
Halo X55	US Seeds	—	—	—	—	2740	—	5.5
DB03-8416(E)	USDA-ARS	purple	gray	tan	imp. black	3232	—	5.3
DB04-10836(E)	USDA-ARS	purple	tawny	tan	black	4199	—	5.3
DB05X039-36	USDA-ARS	purple	tawny	tan	imp. black	4170	—	5.4
DB05X039-5	USDA-ARS	purple	tawny	tan	imp. black	4332	—	5.4
JTN-4307	USDA-ARS	purple	tawny	—	black	3244	—	5.0
JTN-4408	USDA-ARS	white	tawny	—	black	2935	—	5.0

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

Table 65. Plant Characteristics of Roundup Ready Maturity Group IV Early Soybeans.[1]

Brand	Variety	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
AGS 43R212	AGS	white	tawny	brown	black	2470	—	4.3
AGS 45R212	AGS	white	tawny	brown	black	2533	—	4.5
44-R08	Armor	purple	gray	tan	imp. black	3032	I	4.4
46-R64	Armor	purple	light tawny	brown	black	3112	I	4.6
X1303	Armor	purple	light tawny	brown	imp. black	2970	I	4.2
AG 4232	Asgrow	purple	light tawny	tan	black	3043	—	4.2
AG 4433	Asgrow	purple	light tawny	tan	black	3076	—	4.4
AG 4533	Asgrow	purple	light tawny	brown	black	2973	—	4.5
AG 4633	Asgrow	white	light tawny	tan	black	2835	—	4.6
AG4531	Asgrow	purple	light tawny	brown	black	2537	—	4.5
AG4632	Asgrow	purple	light tawny	tan	black	3095	—	4.6
R2C 4391	Croplan Genetics	purple	gray	tan	black	3307	I	4.3
R2C 4541	Croplan Genetics	purple	light tawny	brown	black	2797	I	4.5
DG 4575R2Y	Delta Grow	purple	light tawny	—	black	2236	I	4.5
DG 4670R2Y	Delta Grow	purple	light tawny	brown	black	3025	I	4.6
31RY45	Dyna-Gro	purple	light tawny	brown	black	3018	I	4.5
39RY43	Dyna-Gro	purple	gray	tan	imp. black	3278	I	4.3
S44RS93	Dyna-Gro	purple	gray	brown	buff	2874	I	4.4
HBK RY4620	Hornbeck	purple	light tawny	brown	black	2715	I	4.6
46X29	Morsoy Xtra	purple	light tawny	tan	black	2957	—	4.6
46X71	Morsoy Xtra	purple	light tawny	brown	black	2405	—	4.6
R2 44X82	Morsoy Xtra	purple	light tawny	brown	black	2839	—	4.4
S44-D5 Brand	NK Brand	white	light tawny	brown	brown	3560	—	4.4
S46-T3	NK Brand	—	—	—	—	2974	—	4.6
93Y84	Pioneer	white	light tawny	brown	black	2656	I	3.8
93Y92	Pioneer	purple	light tawny	tan	black	3384	I	3.9
94Y23	Pioneer	white	light tawny	brown	brown	2871	I	4.2
94Y40	Pioneer	white	tawny	tan	black	3265	I	4.4
94Y50	Pioneer	purple	tawny	brown	black	2792	I	4.5
94Y61	Pioneer	white	light tawny	tan	black	3382	I	4.6
Progeny 4211RY	Progeny	purple	gray	tan	imp. black	2874	I	4.2
Progeny 4510RY	Progeny	purple	light tawny	tan	black	3181	I	4.5
Progeny 4611RY	Progeny	purple	light tawny	brown	black	2759	I	4.6
457.RCP	Schillinger	purple	tawny	brown	black	2710	I	4.5
S08-X14117	U. of Missouri	white	tawny	tan	imp. black	3065	—	4.3

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

Brand	Variety	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
AGS 47R212	AGS	purple	light tawny	brown	black	3206	—	4.7
48-R91	Armor	purple	light tawny	brown	black	2762	I	4.8
DK4744	Armor	purple	light tawny	tan	black	2842	I	4.7
X1306	Armor	purple	light tawny	brown	black	2948	I	4.7
X1307	Armor	purple	gray	tan	imp. black	2710	I	4.8
X1308	Armor	purple	light tawny	tan	black	2519	I	4.8
X1309	Armor	purple	light tawny	tan	black	3000	I	4.8
49-R56	Armor	purple	light tawny	tan	black	2372	I	4.9
X1311	Armor	purple	light tawny	tan	black	2775	I	4.9
X1312	Armor	—	—	—	—	2400	I	4.9
AG 4832	Asgrow	purple	light tawny	brown	black	2736	—	4.8
AG 4933	Asgrow	purple	gray	brown	imp. black	3018	—	4.9
AG4732	Asgrow	purple	light tawny	brown	black	2853	—	4.7

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

Table 66 (cont.). Plant Characteristics of Roundup Ready Maturity Group IV Late Soybeans.[1]

Brand	Variety	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
R2C4801	Croplan Genetics	purple	light tawny	brown	black	2645	I	4.8
R2T4799S	Croplan Genetics	purple	light tawny	tan	black	2805	I	4.7
DG 4715R2Y	Delta Grow	white	tawny	brown	black	2539	I	4.7
DG 4755 R2Y	Delta Grow	purple	light tawny	brown	black	2893	I	4.7
DG 4765 R2Y/STS	Delta Grow	purple	gray	tan	imp. black	2701	I	4.7
DG 4815R2Y	Delta Grow	purple	light tawny	brown	black	3338	I	4.8
DG 4825 R2Y/STS	Delta Grow	white	light tawny	tan	black	3150	I	4.8
DG 4870 R2Y	Delta Grow	purple	light tawny	tan	black	2519	I	4.8
DG 4880RR	Delta Grow	white	tawny	brown	black	3442	I	4.8
DG 4925 R2Y	Delta Grow	purple	light tawny	brown	black	2777	—	4.9
DG 4970RR	Delta Grow	purple	tawny	tan	black	3247	I	4.9
DG 4980 R2Y	Delta Grow	purple	light tawny	tan	black	2816	I	4.9
DG4770RR	Delta Grow	white	light tawny	tan	black	3024	I	4.7
DG4975RR	Delta Grow	purple	light tawny	brown	black	3130	I	4.9
DG 37RY47	Dyna-Gro	purple	light tawny	tan	black	2784	—	4.7
S47RY13	Dyna-Gro	purple	light tawny	brown	black	2894	I	4.7
S48RS53	Dyna-Gro	purple	gray	tan	imp. black	2687	I	4.8
GT-478CR2	Great Heart Seed	purple	light tan	brown	black	3281	—	4.7
HBK R4924	Hornbeck	purple	light tawny	brown	black	3036	I	4.9
HBK RY4721	Hornbeck	purple	light tawny	brown	black	2753	I	4.7
JG 481 (E)	JGL	purple	light tawny	brown	—	2652	—	4.8
JGL 480(E)	JGL	white	light tawny	brown	—	2506	—	4.8
R2 47X12	Morsoy Xtra	purple	gray	tan	imp. black	2700	—	4.7
R2 48X02	Morsoy Xtra	purple	light tawny	brown	black	2834	—	4.8
R247X31	Morsoy Xtra	purple	light tawny	brown	black	2535	—	4.7
R248X00	Morsoy Xtra	purple	light tawny	brown	black	2887	—	4.8
S46-A1	NK Brand	purple	tawny	tan	black	2823	—	4.6
S49-F8	NK Brand	—	—	—	—	2882	—	4.9
94Y70	Pioneer	purple	tawny	brown	black	2908	I	4.7
94Y80	Pioneer	purple	light tawny	brown	black	3093	I	4.8
94Y82	Pioneer	purple	light tawny	brown	black	3290	I	4.8
94Y90	Pioneer	purple	light tawny	brown	black	2849	I	4.9
Progeny 4710RY (E)	Progeny	purple	light tawny	tan	black	2747	I	4.7
Progeny 4747RY	Progeny	purple	light tawny	brown	black	2895	I	4.7
Progeny 4814RY	Progeny	purple	light tawny	brown	black	3171	I	4.8
Progeny 4850RY	Progeny	purple	gray	tan	imp. black	2724	I	4.8
Progeny 4900RY	Progeny	purple	light tawny	tan	black	2391	I	4.9
47R74™	REV ®	—	tawny	tan	—	2800	I	4.7
49R54™	REV ®	—	light tawny	tan	—	2514	I	4.9
46R73 ™	REV ®	white	tawny	tan	black	2482	I	4.6
47R53 ™	REV ®	purple	tawny	brown	black	2956	I	4.7
48R10 ™	REV ®	white	light tawny	brown	black	3059	I	4.8
48R22 ™	REV ®	white	light tawny	brown	black	2684	I	4.8
48R33 ™	REV ®	purple	tawny	brown	black	2626	I	4.8
49R11 ™	REV ®	white	tawny	brown	black	3138	I	4.9
49R22 ™	REV ®	purple	light tawny	brown	black	3255	I	4.9
49R43 ™	REV ®	white	tawny	brown	black	3020	I	4.9
478.RCS	Schillinger	purple	light tawny	brown	black	3211	I	4.7
495.RC	Schillinger	purple	light tawny	brown	black	2613	I	4.9
4990.RC	Schillinger	purple	light tawny	brown	black	2936	I	4.9
S08-X2499	U. of Missouri	purple	tawny	tan	black	3197	—	4.8
74H81	USG	purple	light tawny	tan	black	2710	—	4.8
USG 74A79R	USG	purple	light tawny	brown	black	3621	—	4.7

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

Table 67. Plant Characteristics of Roundup Ready Maturity Group V Early Soybeans.[1]

Brand	Variety	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
53-R15	Armor	purple	gray	tan	imp. black	2626	D	5.3
55-R22	Armor	purple	gray	tan	imp. black	2550	D	5.5
53-R88	Armor	purple	gray	tan	imp. black	2626	D	5.4
X1312	Armor	—	—	—	—	2400	I	5.1
X1313	Armor	purple	gray	brown	imp. black	2507	D	5.3
X1314	Armor	white	gray	tan	buff	3319	D	5.4
X1315	Armor	white	gray	brown	buff	2942	D	5.4
X1316	Armor	purple	gray	tan	imp. black	3277	D	5.4
AG5233	Asgrow	purple	light tawny	brown	black	3901	—	5.2
AG5332	Asgrow	purple	tawny	tan	black	3113	—	5.3
AG5533	Asgrow	purple	gray	tan	imp. black	3141	—	5.5
AG5633	Asgrow	purple	tawny	tan	black	2999	—	5.6
R2C 5081	Croplan Genetics	white	gray	tan	black	3348	D	5.0
R2C5371	Croplan Genetics	purple	gray	brown	buff	3060	D	5.3
DG 5175R2Y	Delta Grow	purple	gray	brown	imp. black	2524	D	5.1
DG 5475Ry2	Delta Grow	white	gray	tan	black	3325	—	5.4
DG 5535R2Y	Delta Grow	white	gray	brown	black	2918	—	5.5
DG 5555RR	Delta Grow	white	gray	brown	imp. black	2837	D	5.5
DG 5556RR	Delta Grow	—	—	tan	—	2699	D	5.5
DG5160RR/STS	Delta Grow	purple	gray	tan	imp. black	2837	I	5.1
DG5300RR/STS	Delta Grow	white	gray	tan	buff	3027	D	5.3
32RY55	Dyna-Gro	purple	gray	tan	imp. black	2512	—	5.5
35RY51	Dyna-Gro	white	gray	tan	buff	2777	—	5.1
37RY52	Dyna-Gro	purple	gray	tan	imp. black	2937	—	5.2
S53RY23	Dyna-Gro	purple	gray	brown	imp. black	2558	—	5.3
S54RY43	Dyna-Gro	white	gray	tan	buff	3233	—	5.4
GT-500CR2	Great Heart Seed	white	light tawny	gray	black	3019	—	5.0
GT-550CR2	Great Heart Seed	purple	gray	gray	black	3168	—	5.5
HBK RY5221	Hornbeck	purple	gray	tan	imp. black	2636	I	5.2
HBK RY5421	Hornbeck	purple	gray	tan	imp. black	3268	D	5.4
HBK RY5521	Hornbeck	purple	gray	tan	imp. black	2856	D	5.5
RT 5429N	MorSoy	white	gray	tan	buff	2906	—	5.4
54X41	Morsoy Xtra	purple	gray	tan	imp. black	2759	—	5.4
R2 51X52	Morsoy Xtra	purple	gray	brown	imp. black	2494	—	5.1
R2 53X82	Morsoy Xtra	white	gray	tan	buff	3288	—	5.3
NK S56-G6 Brand	NK Brand	purple	tawny	tan	black	3296	—	5.6
S51-H9	NK Brand	—	—	—	—	3222	—	5.1
95Y01	Pioneer	purple	tawny	brown	black	2813	I	5.0
95Y10	Pioneer	white	light tawny	tan	black	2800	D	5.1
95Y30	Pioneer	white	gray	tan	buff	3169	D	5.3
95Y40	Pioneer	white	tawny	brown	black	2780	D	5.4
95Y50	Pioneer	purple	gray	tan	imp. black	2956	D	5.5
5388RY	Progeny	purple	gray	tan	imp. black	3173	I	5.3
P5210RY (E)	Progeny	purple	gray	tan	imp. black	2790	D	5.2
P5610RY (E)	Progeny	purple	gray	tan	imp. black	2570	D	5.6
Progeny 5111RY	Progeny	white	gray	tan	buff	—	D	5.1
Progeny 5412RY	Progeny	white	gray	brown	black	2940	D	5.4
Progeny 5655RY	Progeny	white	gray	brown	buff	2869	D	5.6
51R53™	REV ®	purple	light tawny	tan	black	2565	—	5.1
54R84™	REV ®	—	tawny	tan	—	2673	—	5.4
55R53™	REV ®	—	tawny	brown	—	2671	—	5.5
55R83™	REV ®	—	gray	tan	—	2690	—	5.5
56R63™	REV ®	white	gray	tan	buff	2758	—	5.6
56R21 ™	REV ®	purple	gray	tan	imp. black	2935	—	5.6
5220.RC	Schillinger	white	light tawny	tan	black	3720	I	5.2
R04-1268RR	U. of Arkansas	white	gray	tan	buff	3694	—	5.4
R09-1607RR	U. of Arkansas	purple	gray	tan	imp. black	3700	—	5.0
S08-X6399	U. of Missouri	white	gray	brown	imp. black	3295	—	5.6
S08-X7297	U. of Missouri	white	gray	tan	buff	3250	—	5.4
75J62R	USG	white	tawny	tan	imp. black	3090	—	5.1
75Q42R	USG	white	tawny	tan	black	3140	—	5.2

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

Brand	Variety	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
AG5831	Asgrow	purple	tawny	tan	black	2964	—	5.8
39RY57	Dyna-Gro	purple	tawny	tan	black	2825	—	5.7
95Y70	Pioneer	white	gray	tan	buff	3105	D	5.7
95Y80	Pioneer	white	gray	tan	buff	2751	D	5.8
Progeny 5711RY	Progeny	purple	tawny	tan	black	2709	D	5.7
Progeny 5811RY	Progeny	purple	gray	tan	imp. black	2953	D	5.8
59R13™	REV ®	—	gray	tan	—	2955	—	5.9
USG 75Z98	USG	white	gray	tan	buff	2510	—	5.9

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

Reaction to Diseases

Tables in this section report data on the soybean varieties' reactions to frogeye leaf spot and stem canker.

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

Frogeye Leaf Spot Score. The susceptibility of each cultivar to frogeye leaf spot was evaluated at Stoneville, Mississippi. Soybean cultivars were planted in a Sharkey clay soil on May 7 in 8-foot-long, single-row plots at a rate of eight seeds per foot of row with 40-inch row spacing. The experimental design was a randomized complete block design with four replications. Spores of *Cercospora sojina* were produced in the lab and sprayed onto the plants on June 4 and June 20 in a concentration of at least 30,000 spores per liter during optimum conditions of temperature and humidity to induce infection. Plants were watered for 3–4 days via lateral move irrigation after spore inoculation dried to maintain high humidity for maximum disease development. Disease ratings were made on July 26.

Stem Canker Score. The stem canker susceptibility of each cultivar was evaluated at Stoneville. Soybean cultivars were planted in a Dundee fine sandy loam soil on May 8 at a rate of 10 seeds per row-foot in a randomized complete block design with four replications. Plots were one row wide, 10 feet long, and spaced 13.3 inches apart. The first 10 plants of each plot were inoculated with *Diaporthe phaseolorum* var. *meridionalis* by inserting infested toothpicks in the upper 1/3 region of the stem on June 18. Disease resistance was rated on September 4. Disease rating was reported as an average of four replications.

Table 69. Frogeye Leaf Spot for Maturity Group IV Early Roundup Ready Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
P94Y61	0.13	P94Y23	1.88
DG4670R2	0.38	DG39Y43	1.88
P4611RY	0.63	R2C4391	2.00
31RY45	0.63	AG4232	2.13
ARMOR46R	0.63	ARMOR44R	2.13
R2C4541	0.75	AG4633	2.13
AG4533	0.86	DG4575R2	2.25
P94Y50	0.88	39RY43	2.38
DG31Y45	0.88	R244X82	2.50
R246X71	0.88	P4510RY	2.63
AGS45R21	0.88	AG4531	2.63
AG4632	1.00	AGS43R21	2.63
P93Y92	1.13	P4211RY	2.63
SCHIL457	1.14	AG4433	2.88
SO8X1411	1.50	R246X29	2.88
93Y84	1.63	ARMORX13	2.88
S44D5	1.75	P94Y40	3.13
Y227-1 (CHECK)	3.68		

[1]Disease rating scores were based on a visual rating of leaf disease using a 0–5 scale (0 = 0–3%, 1 = 3.1–12%, 2 = 12.1–25%, 3 = 25.1–50%, 4 = 50.1–75%, and 5 = 75.1–100%).

Table 70. Frogeye Leaf Spot for Maturity Group IV Late Roundup Ready Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
ARMOR X1312	0.25	AG 4732	1.63
EXP 481	0.38	P 4710RY	1.75
SCHILLINGER 495RC	0.50	P 4850RY	1.75
DK 4880	0.50	R2 47X12	1.88
EXP 480	0.50	ARMOR X1307	2.13
SCHILLINGER 4990 RC	0.50	ARMOR X1311	2.13
REV 47R74	0.63	DG 4970	2.13
P 4814RY	0.63	DG 4770	2.25
S49-F8	0.63	REV 48R10	2.38
DG 4975	0.63	S08-X2499	2.38
REV 47R53	0.63	R2T 4799	2.38
DG 4815 R2Y	0.75	DG 4980R2Y	2.38
AGS 47R212	0.75	ARMOR X1306	2.38
ARMOR 48-91	0.88	REV 48R22	2.38
P 94Y8	0.88	AG 4832	2.50
R2C 4801	0.88	R2 48X02	2.50
P 94Y82	1.00	S47RY13	2.50
DG 4715R2Y	1.00	P 4747RY	2.50
REV 49R43	1.00	DG 4755R2Y	2.63
USG 74H81	1.13	P 94Y90	2.75
P 94Y70	1.13	ARMOR DK474	2.75
R2 47X31	1.25	P 4900RY	2.75
DG 4870R2Y	1.25	DG 4825R2Y/STS	2.75
ARMOR X 1308	1.25	USG 74A79	2.75
REV 49R11	1.38	DG 4925R2Y	2.88
DG 33RY47	1.50	ARMOR 49-R56	3.00
R2C 4752S	1.50	GT 478CR2	3.00
S48RS53	1.63	R2 48X00	3.00
ARMOR X1309	1.63	DG 37RY47	3.13
AG 4933	1.63	SCHILLINGER 478.RCS	3.38
DG 4765R2Y/STS	1.63	Y227-1 (CHECK)	3.52

[1]Disease rating scores were based on a visual rating of leaf disease using a 0–5 scale (0 = 0–3%, 1 = 3.1–12%, 2 = 12.1–25%, 3 = 25.1–50%, 4 = 50.1–75%, and 5 = 75.1–100%).

Table 71. Frogeye Leaf Spot for Maturity Group V Early Roundup Ready Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
P 5610RY	0.25	P 95Y40	2.25
P 95Y10	0.50	ARMOR X1313	2.25
HBK RY5421	0.63	ARMOR 53-R15	2.25
RT 5429	0.63	DG 5160RR/STS	2.38
P 95Y30	0.63	REV 54R84	2.38
ARMOR 55-R22	0.75	DG 37RY52	2.38
GT-543CRS	0.75	S54RY43	2.38
S08-X7297	0.75	DG 5300RR/STS	2.38
R09-1607	0.75	R2 53X82	2.50
32RY55	0.75	P 95Y50	2.50
32RY45	0.88	P 5210RY	2.50
S 51-H9	0.88	S53RY23	2.50
R2 54X41	0.88	DG 5475R2Y	2.50
REV 55R83	0.88	USG 75Q42	2.63
P 5388RY	1.38	S 56-G6	2.63
P 95Y01	1.38	ARMOR X1314	2.63
REV 56R21	1.50	R2C 5371	2.75
R2C 5081	1.50	AG 5233	2.75
AG 5332	1.88	AG 5533	2.75
DG 5555	1.88	GT-550CR2	2.75
R04-1268	2.00	REV 51R53	2.75
SCHILLINGER 5229.RC	2.00	P 5655RY	2.88
DG 5556	2.00	ARMOR X1315	3.00
DG 5175R2Y	2.00	P 5412RY	3.13
P 5111RY	2.06	DG 5535R2Y	3.13
R2 51X52	2.13	ARMOR 53-R88	3.13
ARMOR X1316	2.13	GT-500CRS	3.25
S08-X6339	2.25	Y227-1 (CHECK)	3.43

[1]Disease rating scores were based on a visual rating of leaf disease using a 0–5 scale (0 = 0–3%, 1 = 3.1–12%, 2 = 12.1–25%, 3 = 25.1–50%, 4 = 50.1–75%, and 5 = 75.1–100%).

Table 72. Frogeye Leaf Spot for Maturity Group V Late Roundup Ready Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
P 5811RY	0.88	P 95Y70	1.25
USG 75Z98	1.13	USG 75J62R	1.38
95Y80	1.25	AG 5633	1.44
P 5711RY	1.25	DG 39RY57	1.75
DG 349RY57	1.25	AG 5831	2.13
REV 5913	1.25	Y227-1 (CHECK)	3.25

[1]Disease rating scores were based on a visual rating of leaf disease using a 0–5 scale (0 = 0–3%, 1 = 3.1–12%, 2 = 12.1–25%, 3 = 25.1–50%, 4 = 50.1–75%, and 5 = 75.1–100%).

Table 73. Soybean Stem Canker for Maturity Group IV Conventional/LL Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
HALO 4:94LL	1.50	DG 4867LL	1.00
ATLANTA J77-339 (CHECK)	1.35	HALO X456 LL	1.00
LG04-1459-8	1.27	HALO X49 LL	1.00
GOSOY 4912LL	1.15	HALO X48 LL	1.00
GO SOY 4812LL	1.00	GO SOY 4711LL	1.00
USG74G82L	1.00	GO SOY 4910LL	1.00
DG 4967LL	1.00	R05-4114	1.00
DG 4990 LL	1.00	R05-3239	1.00
HALO X478LL	1.00	HALO 4:65LL	1.00
GO SOY 4411LL	1.00	P 4819LL	1.00
		P 4928LL	1.00

[1]Disease rating scores were based on a visual rating using a 1–5 scale (1 = resistant, 2 =moderately resistant, 3 = moderately susceptible, 4 = susceptible, and 5 = very susceptible).

Table 74. Soybean Stem Canker for Maturity Group V Conventional/LL Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
P 5460LL	1.80	35RY51	1.15
ATLANTA J77-339 (CHECK)	1.70	UA-5612	1.10
DB05X039-36	1.70	DG 34LL53	1.05
HALO X50 LL	1.55	HALO X5:25 LL	1.03
DG 5461LL	1.40	GOSOY 5410LL	1.00
JTN-4408	1.40	HALO X55LL	1.00
GOSOY 5111LL	1.33	HALO X51 LL	1.00
GOSOY 5010LL	1.20	OSAGE	1.00
OZARK	1.20	HALO 5:45 LL	1.00
JTN-4307	1.20	DB04-10836	1.00
P 5160LL	1.18	DB03-8416	1.00
DB05X039-5	1.15	P 5960LL	1.00
		S08-X17371	1.00

[1]Disease rating scores were based on a visual rating using a 1–5 scale (1 = resistant, 2 =moderately resistant, 3 = moderately susceptible, 4 = susceptible, and 5 = very susceptible).

Table 75. Soybean Stem Canker for Maturity Group IV Early Roundup Ready Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
ATLANTA J77-339 (Check)	2.60	AG 4433	1.00
ARMOR 44R08	2.10	P 4611RY	1.00
R2C 4391	2.10	93Y84	1.00
R2 46X29	2.00	P 4211RY	1.00
DG39Y45	1.80	AG 4232	1.00
SO8-X 14117	1.53	AGS 45R82	1.00
R2 46XR71	1.37	AGS 43R212	1.00
P 4510RY	1.30	DG 4670R2Y	1.00
AG 4531	1.28	39RY43	1.00
AG 4232	1.27	DG 31Y45	1.00
AG 4533	1.20	R2C 4541	1.00
P 95Y50	1.20	ARMOR X1303	1.00
AG 4632	1.18	AG 4633	1.00
ARMOR 46-R64	1.18	P 93Y92	1.00
SCHILLINGER 457.RCP	1.13	S 44D5	1.00
31RY43	1.10	DG 4670R2Y	1.00
R2 4482	1.05	P 95Y40	1.00
P 94Y23	1.05	P 94Y61	1.00

[1]Disease rating scores were based on a visual rating using a 1–5 scale (1 = resistant, 2 =moderately resistant, 3 = moderately susceptible, 4 = susceptible, and 5 = very susceptible).

Table 76. Soybean Stem Canker for Maturity Group IV Late Roundup Ready Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
DG 4970	2.90	REV 49R11	1.00
P 4710RY	2.70	ARMOR X1307	1.00
DG 37RY47	2.28	DG 4765R2Y/STS	1.00
ATLANTA J77-339 (CHECK)	2.20	DG 4925R2Y	1.00
ARMOR DK4744	1.65	R2 47X31	1.00
REV 49R43	1.65	USG 74H81	1.00
USG 74A79	1.40	P 94Y70	1.00
EXP 480	1.40	P 4900RY	1.00
S08-X2499	1.20	ARMOR X1311	1.00
ARMOR X1306	1.20	S48RS53	1.00
R2 48X00	1.15	AGS 47R212	1.00
R2T 4799	1.15	GT 478CR2	1.00
P 4850RY	1.10	DG 33RY47	1.00
P 4747RY	1.08	REV 48R22	1.00
S 49-F8	1.08	DG 4825R2Y/STS	1.00
ARMOR X 1308	1.05	DG 4975	1.00
ARMOR 48-91	1.05	P 94Y90	1.00
AG 4832	1.00	DK 4880	1.00
AG 4933	1.00	DG 4980R2Y	1.00
DG 4870R2Y	1.00	R2C 4752S	1.00
EXP 481	1.00	R2C 4801	1.00
ARMOR 49-R56	1.00	REV 48R10	1.00
P 94Y8	1.00	REV 47R53	1.00
R2 47X12	1.00	REV47R74	1.00
ARMOR X1309	1.00	S47RY13	1.00
AG 4732	1.00	DG 4715R2Y	1.00
P 4814RY	1.00	DG 4815 R2Y	1.00
DG 4755R2Y	1.00	P 94Y82	1.00
R2 48X02	1.00	SCHILLINGER 4990 RC	1.00
ARMOR X1312	1.00	SCHILLINGER 495RC	1.00
DG 4770	1.00	SCHILLINGER 478.RCS	1.00

[1]Disease rating scores were based on a visual rating using a 1–5 scale (1 = resistant, 2 =moderately resistant, 3 = moderately susceptible, 4 = susceptible, and 5 = very susceptible).

Table 77. Soybean Stem Canker for Maturity Group V Early Roundup Ready Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
ATLANTA J77-339 (CHECK)	2.73	SCHILLINGER 5229.RC	1.00
REV 56R21	2.55	32RY55	1.00
P 5655RY	1.85	R2 53X82	1.00
S 51-H9	1.68	RT 5429	1.00
P 95Y01	1.50	DG 5475R2Y	1.00
DG 5556	1.50	ARMOR X1313	1.00
P 95Y10	1.40	S54RY43	1.00
P 95Y50	1.40	S53RY23	1.00
DG 5555	1.30	REV 51R53	1.00
P 5111RY	1.27	P 5388RY	1.00
S08-X7297	1.20	P 95Y30	1.00
DG 5300RR/STS	1.20	ARMOR 53-R15	1.00
ARMOR X1314	1.10	DG 37RY52	1.00
DG 5175R2Y	1.10	REV 54R84	1.00
P 5610RY	1.10	GT-550CR2	1.00
DG 5535R2Y	1.05	REV-55R83	1.00
ARMOR X1316	1.00	GT-500CRS	1.00
R04-1268	1.00	32RY45	1.00
P 5210RY	1.00	S 56-G6	1.00
P 5412 RY	1.00	R2C 5371	1.00
R2 54X41	1.00	R2C 5081	1.00
ARMOR X1315	1.00	P 95 Y40	1.00
USG 75Q42R	1.00	AG 5533	1.00
AG 5332	1.00	GT-543CRS	1.00
AG 5233	1.00	HBK RY5421	1.00
R09-1607	1.00	DG 5160RR/STS	1.00
R2 51X52	1.00	ARMOR 55-R22	1.00
P 5111RY	1.00	S08-X6339	1.00
		ARMOR 53-R88	1.00

[1]Disease rating scores were based on a visual rating using a 1–5 scale (1 = resistant, 2 =moderately resistant, 3 = moderately susceptible, 4 = susceptible, and 5 = very susceptible).

Table 78. Soybean Stem Canker for Maturity Group V Late Roundup Ready Soybeans.

Cultivar	Disease rating[1]	Cultivar	Disease rating[1]
DG 349RY57	2.38	AG 5831	1.00
AG 5633	1.70	REV 5913	1.00
ATLANTA J77-339 (CHECK)	1.40	AG 5633	1.00
USG 75J62R	1.30	USG 75Z98	1.00
DG 39RY57	1.00	P 5811RY	1.00
P 95Y70	1.00	P 5711RY	1.00
95Y80	1.00		

[1]Disease rating scores were based on a visual rating using a 1–5 scale (1 = resistant, 2 =moderately resistant, 3 = moderately susceptible, 4 = susceptible, and 5 = very susceptible).

Public Varieties Entered

University of Arkansas
R05-4114
Ozark
Osage
R05-3239
UA 5612
R04-1268 RR
R09-1607 RR

University of Missouri
S08-X6399 (Exp.)
S08-X17371 (Exp.)
S08-X7297 (Exp.)
S08-X2499 (Exp.)
S08-X14117 (Exp.)

USDA Agricultural Research Service – Mississippi
LG04-1459-8 (Exp.)
DB03-8416 (Exp.)
DB04-10836 (Exp.)
DB05x039-5 (Exp.)
DB05x039-36 (Exp.)

USDA Agricultural Research Service – Tennessee
JTN-4307 (Exp.)
JTN-4408 (Exp.)

Commercial Varieties Entered

AGSouth Genetics P.O. Box 72246 Albany, GA 31708	AGS 43R212 AGS 45R212 AGS 47R212	
Armor Seed P.O. Box 9/ Hwy. 49 Waldenburg, AR 72475	Armor 1303 Armor 44-R08 Armor 46-R64 Armor X1306 Delta King DK4744 Armor X1307 Armor X1313 Armor X1315 Armor 53-R88	Armor X1308 Armor X1309 Armor 49-R56 Armor X1311 Armor X1312 Armor 48-R91 Armor X1314 Armor X1316 Armor 53-R15 Armor 55-R22
Bayer CropScience 210 Drier Road Dewitt, AR 72042	HBK RY4620 HBK RY4721 HBK R4924 HBK RY5121	HBK RY5221 HBK RY5421 HBK RY5521
Cache River Valley Seed, LLC P.O. Box 10 12470 Hwy. 226 Cash, AR 72421	Morsoy Xtra R2 44x82 Morsoy Xtra R2 46x29 Morsoy Xtra R2 46x71 Morsoy Xtra R2 47x31 Morsoy Xtra R2 47x12	Morsoy Xtra R2 48x00 Morsoy Xtra R2 48x02 Morsoy Xtra R2 51x52 Morsoy Xtra R2 53x82 Morsoy Xtra R2 54x41 Morsoy RT 5429
Crop Production Services 443 East Avenue South Hollandale, MS 38748	Dyna-Gro 39RY43 Dyna-Gro S44RS93 Dyna-Gro 31RY45 Dyna-Gro S47RY13 Dyna-Gro 33RY47 Dyna-Gro S48RS53 Dyna-Gro S48LL23	Dyna-Gro 35RY51 Dyna-Gro 37RY52 Dyna-Gro S53RY23 Dyna-Gro 34LL53 Dyna-Gro S54RY43 Dyna-Gro 32RY55 Dyna-Gro 39RY57 Dyna-Gro 37RY47
Delta Grow Seed 220 NW 2nd England, AR 72046	DG 4770 RR DG 4880 RR DG 4970 RR DG 4975 RR DG 5160 RR/STS DG 5288 RR DG 5300 RR/STS DG 5555 RR DG 5556 RR DG 4670 R2Y DG 4575 R2Y DG 4715 R2Y DG 4755 R2Y DG 4765 R2Y/STS	DG 4815 R2Y DG 4825 R2Y/STS DG 4870 R2Y DG 4980 R2Y DG 5125 R2Y DG 5175 R2Y DG 5475 R2Y DG 5535 R2Y DG 5625 R2Y DG 4867 LL DG 4967 LL DG 4990 LL DG 5361 LL DG 5461 LL DG 4925 R2Y
Great Heart Seed 220 W. Washington Street Paris, IL 61944	Great Heart GT-500CR2 Great Heart GT-543CRS Great Heart GT-550CR2	
JGL, Inc. 1550 Pidco Dr. Plymouth, IN 46563	JGL EXP 480 JGL EXP 481	
Monsanto 108 Bayberry Lane Madison, MS 39110	Asgrow AG 4232 Asgrow AG 4433 Asgrow AG 4531 Asgrow AG 4533 Asgrow AG 4632 Asgrow AG 4633 Asgrow AG 4732	Asgrow AG 4832 Asgrow AG 4933 Asgrow AG 5233 Asgrow AG 5332 Asgrow AG 5533 Asgrow AG 5633 Asgrow AG 5831

Pioneer Hi-Bred International, Inc. 700 Boulevard South Suite 302 Huntsville, AL 35802	Pioneer 93Y84 Pioneer 93Y92 Pioneer 94Y23 Pioneer 94Y40 Pioneer 94Y50 Pioneer 94Y61 Pioneer 94Y70 Pioneer 94Y80 Pioneer 94Y82	Pioneer 94Y90 Pioneer 95Y01 Pioneer 95Y10 Pioneer 95Y30 Pioneer 95Y40 Pioneer 95Y50 Pioneer 95Y70 Pioneer 95Y80
Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 5412RY Progeny 5655RY Progeny 5610RY Progeny 5711RY Progeny 5811RY Progeny 4819LL Progeny 4928LL Progeny 5160LL Progeny 5460LL Progeny 5960LL Progeny 4211RY	Progeny 4710RY Progeny 4747RY Progeny 4850RY Progeny 4814RY Progeny 4900RY Progeny 4920RY Progeny 5111RY Progeny 5210RY Progeny 5388RY Progeny 4611RY Progeny 4510RY
Stratton Seed Company 1530 Hwy. 79 South Stuttgart, AR 72160	Schillinger 457.RCP Schillinger 478.RCS Schillinger 495.RC Schillinger 4990.RC Schillinger 5220.RC	GoSoy 4711LL GoSoy 4812LL GoSoy 4910LL GoSoy 4912LL GoSoy 4411LL
Syngenta Seeds 112 Meadowlark Lane Indianola, MS 38751	NK S44-D5 Brand NK S46-A1 Brand NK S46-T3 Brand	NK S49-F8 Brand NK S51-H9 Brand NK S56-G6 Brand
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	REV® 46R73™ REV® 47R74™ REV® 47R53™ REV® 48R10™ REV® 48R22™ REV® 48R33™ REV® 49R54™ REV® 49R11™ REV® 49R22™	REV® 49R43™ REV® 51R53™ REV® 54R84™ REV® 55R83™ REV® 55R53™ REV® 56R21™ REV® 56R63™ REV® 57R21™ REV® 59R13™
UniSouth Genetics Inc. 3205-C Hwy. 46 S Dickson, TN 37055	USG 74H81 USG 75Z98 USG 74A79R	USG 75Q42R USG 75J62R USG 74G82L
U.S. Seeds 2528 Alexander Dr. Jonesboro, AR 72401	Halo 4:65 Halo X47 Halo 4:95 Halo 5:01	Halo 5:01 Halo 5:26 Halo 5:45 Halo X55 Halo 4:94
Winfield Solutions P.O. Box 64281 St. Paul, MN 55164	R2C4391 R2C4541 R2C47525 R2T4799	R2C4801 R2C5081 R2C5371

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