

MISSISSIPPI SOYBEAN



VARIETY TRIALS, 2013



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Mississippi Soybean Variety Trials, 2013

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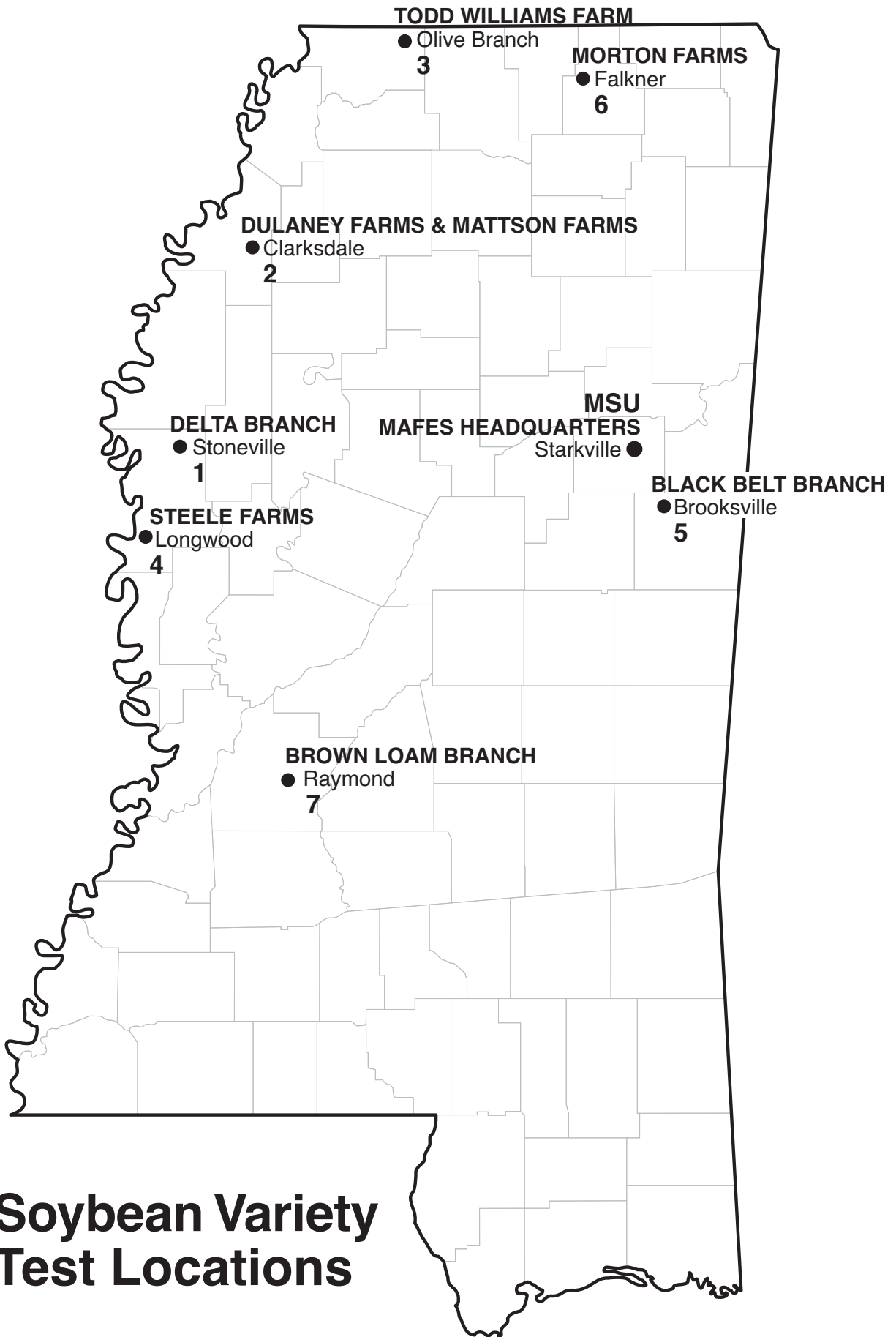
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Soybean Variety Test Locations

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Mississippi Soybean Variety Trials, 2013

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 2013 (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) at 13% moisture.

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.

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	Check	
Group IV	495.RC	
Group V	Osage	

Roundup Ready Test		
Maturity Group	Early Check	Late Check
Group IV Early		DK 4744
Group IV Late	P4510RY	DK 4744
Group V Early	REV 56R21	AG5831
Group V Late	AG5831	

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.

Note: Varieties in the following tables with names in bold type are experimental.

Table 1. Summary of Yields for Maturity Group IV Conventional for the 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville (clay) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.		Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Halo	4:65	72.5	76.4	74.4	42.6	81.4	62.0		68.2
Halo	4:94	73.4	73.2	73.3	48.0	69.2	58.6		65.9
GoSoy	4411LL	68.8	69.1	68.9	48.5	87.3	67.9		68.4
Univ. of Arkansas	R05-3239	81.9	77.8	79.9	46.0	54.3	50.2		65.0
GoSoy	4711LL	78.7	69.3	74.0	49.9	88.6	69.3		71.6
Progeny	P4819LL	68.3	70.9	69.6	40.5	66.4	53.5		61.5
Progeny	P4928LL	70.8	69.1	69.9	48.9	72.0	60.5		65.2
Delta Grow	DG 4967LL	73.9	74.3	74.1	52.0	84.1	68.1		71.1
GoSoy	4812LL	67.9	69.8	68.9	52.6	69.3	60.9		64.9
GoSoy	4912LL	77.8	74.6	76.2	44.6	70.0	57.3		66.8
Halo	X48	71.4	70.1	70.7	45.6	70.8	58.2		64.5
Delta Grow	DG 4990LL	72.2	74.9	73.6	46.1	65.3	55.7		64.6
Halo	X50	77.7	77.0	77.3	55.2	82.3	68.7		73.0
Delta Grow	DG 4981LL/STS	64.6	71.6	68.1	47.1	65.0	56.1		62.1
Univ. of Missouri	S09-9943	78.7	72.8	75.8	50.5	55.6	53.0		64.4
Univ. of Missouri	S09-13608	65.4	73.5	69.4	54.7	66.6	60.7		65.0
Univ. of Missouri	S09-10871	70.6	73.3	71.9	46.9	60.9	53.9		62.9
USDA-ARS	JTN-4607	62.3	64.1	63.2	36.4	62.2	49.3		56.2
AgBorn	ABX 2174	73.7	72.2	72.9	42.8	55.4	49.1		61.0
Dyna-Gro	SX13246L	65.7	74.5	70.1	41.1	64.4	52.7		61.4
Dyna-Gro	S49LL34	70.8	78.3	74.5	50.2	60.1	55.1		64.8
Halo	X42	71.1	60.8	66.0	44.4	50.8	47.6		56.8
Halo	X466	69.5	66.8	68.2	41.7	66.1	53.9		61.0
Halo	X477	67.4	69.1	68.2	53.8	63.2	58.5		63.4
Halo	X496	80.3	78.8	79.5	53.4	72.1	62.7		71.1
Progeny	P4560LL	74.1	74.0	74.0	46.4	81.1	63.7		68.9
Progeny	P4930LL	73.6	75.9	74.8	44.4	81.3	62.9		68.8
Hornbeck	HBK LL4650	73.5	68.8	71.1	42.8	80.3	61.5		66.3
Hornbeck	HBK LL4653	65.8	72.2	69.0	46.0	56.4	51.2		60.1
Hornbeck	HBK LL4850	69.3	65.7	67.5	43.8	67.5	55.7		61.6
Hornbeck	HBK LL4950	71.6	72.5	72.1	50.9	64.6	57.8		64.9
Hornbeck	XLL 4969	81.6	79.6	80.6	50.3	70.6	60.5		70.5
Mean		72	72.2	72.1	47.1	68.9	58.0		65.1
LSD (0.1)		6	7.1		7.7	12.7			
Error df		62	62		62	62			
CV		6.2	7.2		53.7	13.5			
R-square		73.6	61.5		12	63.5			

Table 2. Summary of Yields for Maturity Group V Conventional/LL for the 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville (clay) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.		Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Delta Grow	DG 5361LL	71.6	63.3	67.4	47.5	84.2	65.9		66.6
Delta Grow	DG 5481LL	75.4	73.3	74.3	37.4	65.6	51.5		62.9
Delta Grow	DG5461LL	75.9	75.4	75.6	41.7	81.8	61.7		68.7
GoSoy	5010LL	69.3	71.4	70.3	45.9	72.1	59.0		64.7
GoSoy	5111LL	78.2	74.5	76.3	43.3	77.7	60.5		68.4
GoSoy	5312LL	67.9	62.6	65.2	50.1	84.9	67.5		66.4
GoSoy	5410LL	72.6	70.9	71.7	46.9	72.2	59.5		65.6
Hornbeck	HBK LL5350	80.1	65.0	72.6	43.0	77.3	60.2		66.4
Progeny	P5160LL	93.7	79.1	86.4	45.8	88.2	67.0		76.7
Progeny	P5460LL	69.6	71.3	70.5	39.2	73.0	56.1		63.3
Progeny	P5960LL	83.4	73.8	78.6	44.7	75.2	59.9		69.3
USDA-ARS	JTN-4307	63.8	60.2	62.0	47.2	76.6	61.9		61.9
Stratton Seed	Leland	75.5	72.7	74.1	53.1	86.2	69.6		71.9
Univ. of Arkansas	R05-374	76.8	82.1	79.5	49.9	76.0	63.0		71.2
Univ. of Missouri	S09-13635	77.1	69.8	73.5	50.4	73.2	61.8		67.6
Univ. of Arkansas	Osage	80.6	79.5	80.1	47.4	62.6	55.0		67.5
Univ. of Arkansas	Ozark	81.7	72.3	77.0	41.0	66.2	53.6		65.3
Univ. of Arkansas	R05-4114	80.9	78.7	79.8	49.2	61.0	55.1		67.5
Univ. of Arkansas	UA5612	79.6	87.2	83.4	55.2	84.4	69.8		76.6

Brand	Variety	Longwood Irr.	Stoneville (clay) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.		Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Halo	5:45	87.2	71.6	79.4	46.2	76.7	61.5		70.4
Halo	X50	76.2	75.8	76.0	43.4	75.8	59.6		67.8
Halo	X51	65.5	72.1	68.8	41.7	73.5	57.6		63.2
Halo	X530	72.5	69.2	70.8	41.5	61.6	51.5		61.2
Mean		76.3	72.7	71.6	45.7	75	57.5		64.5
LSD		9.5	6.7	8.3	12.7				
Error df		44	44	44	44				
CV		9	6.7	13.2	12.3				
R-square		61.9	80	46.5	63.1				

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Stoneville Nonirr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
AgBorn	ABX 2164	36.9	60.5	63.1	79.1	87.9	26.7	59.1	57.4	65.9	88.0	36.4	61.9	60.2
AgBorn	ABX 27041	34.3	50.4	67.4	76.0	97.5	28.8	59.1	49.5	68.5	80.2	40.7	59.7	59.3
AGS	AGS 43R212	45.1	55.0	78.9	86.4	101.8	28.9	66.0	66.3	72.6	97.0	34.8	67.7	66.7
AGS	AGS 45R212	56.5	69.9	76.3	88.8	107.0	30.9	71.6	50.7	86.6	86.4	31.3	63.7	68.4
Armor	44-R08	35.5	62.1	68.2	80.0	100.9	33.8	63.4	61.3	78.1	101.9	28.3	67.4	65.0
Armor	X1401	32.7	53.2	73.7	85.0	101.6	28.2	62.4	56.8	65.8	93.9	36.6	63.3	62.7
Armor	X1404	54.7	61.9	80.6	97.5	103.0	35.2	72.2	53.2	77.0	97.8	44.4	68.1	70.5
Armor	X1406	49.5	59.5	73.9	85.9	91.1	37.0	66.1	67.6	55.0	95.7	33.3	62.9	64.8
Asgrow	AG 4232	39.0	61.5	75.6	83.4	102.5	36.0	66.3	54.7	61.4	91.7	32.9	60.2	63.9
Asgrow	AG 4433	52.1	67.6	80.0	88.4	104.6	33.1	71.0	60.1	68.8	89.0	43.6	65.4	68.7
Asgrow	AG 4533	47.9	62.8	74.1	92.1	105.4	39.1	70.2	56.6	89.3	98.0	46.6	72.6	71.2
Asgrow	AG 4633	41.9	58.9	74.8	82.2	99.1	30.5	64.6	55.9	64.8	100.9	32.7	63.5	64.2
Asgrow	AG4531	57.4	63.0	76.1	93.0	98.6	40.4	71.4	58.8	59.9	97.6	46.2	65.6	69.1
Asgrow	AG4632	62.4	70.8	83.9	92.2	105.1	36.6	75.2	55.0	89.8	105.4	49.8	75.0	75.1
Croplan	R2C 4541	53.1	72.1	82.9	89.7	98.0	28.3	70.7	58.0	87.0	97.3	42.2	71.1	70.9
Delta Grow	4670RR2	53.7	47.5	79.2	85.2	106.2	38.2	68.3	59.3	100.3	87.9	44.0	72.9	70.2
Dyna-Gro	31RY45	52.5	66.3	75.3	87.6	108.2	33.9	70.6	57.9	95.8	94.0	50.6	74.6	72.2
Dyna-Gro	39RY43	48.4	71.5	75.2	81.2	104.4	32.4	68.8	52.1	72.3	102.1	29.8	64.1	66.9
Dyna-Gro	S44RS93	48.4	50.4	70.4	82.4	98.3	28.8	63.1	45.7	89.4	96.3	25.9	64.3	63.6
Hornbeck	RY4620	53.5	72.3	78.5	89.2	100.9	37.7	72.0	56.5	61.0	100.4	45.6	65.9	69.6
Morsoy	44x82	47.8	50.4	70.7	89.3	98.4	38.3	65.8	55.8	59.3	94.2	28.4	59.4	63.3
Morsoy	EXP 44	56.0	55.5	72.4	94.1	104.9	35.2	69.7	60.6	64.4	99.9	31.9	64.2	67.5
Morsoy Xtra	46X29	57.7	68.5	71.5	92.7	101.8	34.8	71.2	55.2	56.3	95.1	48.1	63.7	68.2
MPG	4514NS	44.4	67.5	71.4	81.7	90.4	31.4	64.5	58.0	52.5	93.0	45.4	62.2	63.6
Mycogen	5N423R2	24.8	57.3	75.9	77.8	100.0	34.6	61.7	51.2	72.0	79.2	40.2	60.7	61.3
Mycogen	5N431R2	44.3	61.1	77.1	82.7	96.3	34.2	65.9	52.7	80.1	99.3	32.9	66.3	66.1
Mycogen	5N451R2	63.1	65.4	83.2	96.5	108.0	30.1	74.4	64.3	98.1	102.7	38.4	75.9	75.0
NK Brand	S44-D5	33.5	41.7	77.1	77.2	99.4	32.8	60.3	53.0	56.1	85.6	23.3	54.5	58.0
NK Brand	S46-G9	39.3	67.0	70.0	82.9	103.2	26.8	64.8	59.1	73.5	88.5	32.7	63.5	64.3
NK Brand	S46-L2	60.5	55.5	86.6	91.7	101.2	33.8	71.5	72.1	63.7	94.0	38.1	67.0	69.7
Pioneer	P46T21R	41.5	63.4	79.5	90.0	104.5	31.4	68.4	64.1	90.3	94.5	42.1	72.7	70.1
Progeny	P4313RY	39.2	60.7	82.9	90.3	100.7	32.8	67.8	50.2	68.5	102.0	36.4	64.3	66.4
Progeny	P4613RY	32.1	66.3	81.4	97.0	101.5	41.8	70.0	58.4	82.9	104.3	50.7	74.1	71.6
Progeny	P4211RY	44.6	62.8	83.8	90.0	105.0	30.8	69.5	57.2	84.4	100.4	28.7	67.7	68.8
Progeny	P4510RY	50.1	62.5	69.7	89.6	100.5	35.1	67.9	52.7	70.0	94.7	49.0	66.6	67.4
REV@	46R64™	49.4	53.7	81.6	82.4	100.4	33.3	66.8	58.0	79.0	95.7	50.0	70.7	68.3
REV@	46R73™	54.6	54.2	73.2	86.3	93.4	34.7	66.1	47.9	91.8	88.6	42.4	67.7	66.7
Schillinger	458.RCS	29.8	61.2	74.5	82.6	96.7	34.1	63.1	58.7	77.2	82.4	24.1	60.6	62.1
Steyer	4301R2	51.1	52.2	73.6	84.1	101.7	31.3	65.7	59.4	65.6	87.9	25.1	59.5	63.2
USG	74F53R	51.3	50.3	72.9	78.7	94.1	31.4	63.1	55.8	76.0	90.8	31.8	63.6	63.3
Mean		46.8	60.0	75.9	86.6	100.6	33.3	67.3	56.9	74.3	94.4	37.9	65.9	66.7
LSD		7.6	10.8	7.3	7.1	7.0	6.1		9.7	8.4	9.5	9.2		
Error df		78.0	78.0	78.0	78.0	78.0	78.0		78.0	78	78	78.0		
CV		12.0	13.0	7.0	6.1	5.2	13.5		12.6	8.3	7.3	17.7		
R-sq		82.0	59.2	62.2	63.8	56.0	49.8		58.8	86.8	60	73.0		

Table 4. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Stoneville Nonirr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
AgBorn	ABX 2499	49.8	67.3	66.0	84.8	90.3	30.4	64.8	51.0	57.4	80.4	41.1	57.5	61.9
AGS	47R212	62.3	66.9	72.8	84.9	104.1	50.2	73.5	65.1	87.1	81.3	35.0	67.2	71.0
Armor	49-R56	73.9	63.4	82.6	89.6	105.2	35.6	75.0	52.1	69.7	81.4	26.6	57.4	68.0
Armor	DK4744	59.4	66.6	75.8	89.0	91.3	38.7	70.1	48.6	58.1	77.4	42.5	56.7	64.7
Armor	47-R13	60.9	67.4	75.4	88.3	91.0	40.0	70.5	61.6	79.4	83.7	38.7	65.9	68.6
Armor	48-R66	73.2	71.9	76.1	97.4	103.3	39.7	76.9	64.1	69.6	85.0	48.7	66.8	72.9
Asgrow	AG 4832	59.1	75.6	74.4	86.3	98.1	59.6	75.5	67.1	61.0	75.4	47.1	62.6	70.4
Asgrow	AG 4933	61.9	66.9	74.0	88.9	100.5	54.0	74.4	68.3	71.7	82.2	39.9	65.5	70.8
Asgrow	AG4934	65.2	65.7	81.7	88.1	109.2	53.2	77.2	54.0	55.9	80.7	43.5	58.5	69.7
Croplan	R2C 4752S	68.9	66.4	75.6	90.1	98.7	38.6	73.0	71.0	82.4	85.8	41.0	70.1	71.9
Croplan	R2T4799S	57.5	61.8	77.6	83.3	93.8	37.7	68.6	62.2	57.3	76.3	31.9	56.9	63.9
Delta Grow	DG 4755 RR2	57.9	66.0	75.9	83.2	88.3	44.1	69.2	63.1	75.8	67.2	37.0	60.8	65.8
Delta Grow	DG 4765 R2Y/STS	56.3	62.2	79.3	90.6	102.0	41.5	72.0	58.1	80.9	81.5	32.7	63.3	68.5
Delta Grow	DG 4825 RR2/STS	55.9	62.7	79.1	78.0	101.2	37.9	69.1	59.5	68.8	75.9	40.3	61.1	65.9
Delta Grow	DG 4880RR	39.0	68.5	72.0	65.7	93.0	27.5	61.0	56.3	82.2	73.8	35.9	62.1	61.4
Delta Grow	DG 4925 RR2	64.8	61.3	74.6	86.0	97.7	31.3	69.3	56.3	55.4	70.3	39.3	55.3	63.7
Delta Grow	DG 4970RR	40.4	56.2	71.8	74.6	90.3	29.4	60.4	55.5	88.7	66.6	38.3	62.3	61.2
Delta Grow	DG4940RR	51.3	61.1	76.9	89.5	88.3	30.4	66.2	62.4	57.6	59.7	40.2	55.0	61.7
Dyna-Gro	DG 37RY47	70.9	67.2	81.7	86.1	95.8	40.8	73.7	61.7	53.3	86.6	46.2	62.0	69.0
Dyna-Gro	S47RY13	49.6	63.9	74.1	78.6	95.9	36.7	66.4	57.4	72.5	71.5	30.1	57.9	63.0
Dyna-Gro	S48RS53	67.0	58.1	75.2	89.3	92.1	41.4	70.5	62.5	79.0	72.6	31.6	61.4	66.9
Great Heart Seed	GT476R2	60.2	85.8	79.8	93.8	98.7	43.2	76.9	66.4	78.9	78.1	42.0	66.3	72.7
Great Heart Seed	GX4798R2	52.0	73.2	80.2	85.3	90.7	42.1	70.6	54.9	56.5	83.8	35.4	57.7	65.4
Hornbeck	RY4721	59.8	65.9	75.2	78.5	100.7	32.2	68.7	63.2	92.0	85.4	31.5	68.0	68.4
Morsoy Xtra	47X12	67.4	56.6	77.6	90.7	97.2	55.1	74.1	62.5	76.8	81.8	42.1	65.8	70.8
Morsoy Xtra	48X02	71.4	78.2	78.4	86.6	100.0	38.6	75.6	71.0	78.2	83.5	44.3	69.3	73.0
Morsoy Xtra	49X14	57.4	66.8	69.7	94.3	101.7	33.7	70.6	52.4	62.2	82.1	45.4	60.5	66.6
MPG	4714	56.6	73.1	63.6	73.2	84.4	35.0	64.3	48.6	55.6	67.6	35.9	51.9	59.4
Mycogen	5N478R2	62.1	59.5	73.5	89.7	104.3	49.6	73.1	63.0	91.6	79.3	44.4	69.6	71.7
NK Brand	S47-N3	61.1	55.4	77.6	80.1	92.2	34.8	66.8	56.1	62.1	72.4	30.6	55.3	62.2
NK Brand	S49-F8	57.7	48.0	78.4	86.7	104.1	34.7	68.3	60.2	81.1	82.5	41.9	66.4	67.5
Pioneer	P47T36R	61.9	58.1	71.3	86.6	100.9	36.4	69.2	53.5	92.6	87.6	42.9	69.2	69.2
Pioneer	P48T53R	56.5	63.1	69.9	85.8	101.3	34.1	68.5	50.7	87.7	82.0	36.7	64.3	66.8
Pioneer	P49T80R	59.2	69.2	76.0	90.7	103.7	35.4	72.4	50.7	80.4	83.7	38.1	63.2	68.7
Pioneer	P49T97R	63.0	76.6	75.2	86.6	94.7	34.2	71.7	54.3	83.8	74.8	37.1	62.5	68.0
Progeny	P4710RY	61.6	70.2	76.4	81.6	89.3	42.0	70.2	60.1	83.1	83.6	29.9	64.2	67.8
Progeny	P4747RY	60.9	84.1	80.8	84.8	99.7	40.8	75.2	60.6	78.1	74.6	37.8	62.8	70.2
Progeny	P4850RY	65.1	68.8	78.7	95.0	97.8	33.3	73.1	60.2	83.0	88.0	45.6	69.2	71.5
Progeny	P4900RY	66.1	57.3	82.0	90.9	108.9	58.4	77.3	62.2	72.3	82.6	32.5	62.4	71.3
REV®	47R34™	70.2	73.9	73.9	92.8	103.8	42.0	76.1	61.3	99.1	81.4	50.7	73.1	74.9
REV®	48R44™	62.3	64.2	78.7	84.1	102.8	40.2	72.0	54.7	88.4	77.1	53.2	68.4	70.6
REV®	49R94™	55.4	68.5	74.4	87.3	100.6	37.3	70.6	55.6	89.2	76.4	46.3	66.9	69.1
REV®	47R53™	66.7	76.3	66.2	85.5	87.2	38.3	70.1	50.4	86.8	76.5	42.6	64.1	67.7
REV®	48R22™	56.3	63.8	74.8	71.9	93.6	41.7	67.0	62.1	69.3	73.0	35.1	59.8	64.1
REV®	48R33™	47.2	65.8	69.1	77.1	97.8	64.4	70.2	56.4	95.3	78.8	41.1	67.9	69.3
REV®	49R22™	55.4	58.8	62.8	78.1	90.6	32.6	63.0	59.5	65.3	69.1	39.7	58.4	61.2
Schillinger	4712R2	41.8	71.2	72.5	69.7	82.1	35.3	62.1	52.3	77.2	67.2	25.2	55.5	59.4
Schillinger	478.RCS	59.3	65.6	69.6	72.6	92.5	47.4	67.8	62.3	63.6	77.1	27.9	57.7	63.8
Schillinger	495.RC	73.7	69.1	72.5	85.3	86.7	39.8	71.2	65.4	85.5	80.6	40.0	67.8	69.8
Schillinger	4990.RC	65.7	52.3	72.6	92.7	94.4	39.5	69.5	51.1	88.8	80.2	37.9	64.5	67.5
Steyer	4701R2	53.9	60.7	77.0	92.3	101.9	42.3	71.3	60.8	92.9	79.5	28.8	65.5	69.0
USG	74A92R	69.1	71.8	67.5	88.0	97.3	40.9	72.5	55.0	56.7	88.5	37.9	59.5	67.3
USG	74B83R	67.5	76.0	77.9	95.3	104.0	38.7	76.6	53.8	64.2	78.5	46.8	60.8	70.3
USG	74H92R	59.0	58.7	67.6	75.6	89.1	44.3	65.7	50.6	67.1	80.8	46.3	61.2	63.9
Mean		60.3	66.2	74.6	85.2	96.7	40.3	70.6	58.5	75.0	78.4	38.9	62.7	67.4
LSD		10.4	11.1	6.3	9.5	6.2	10.2		10.7	9.4	10.1	8.0		
Error df		106.0	106.0	106.0	106.0	106.0	106.0		106.0	106.0	106.0	106.0		
CV		12.8	12.4	6.3	8.2	4.7	18.6		13.5	9.2	9.6	15.1		
R-sq		64.4	61.4	63.9	60.6	74.6	62.2		49.3	83.7	51.6	63.2		

Table 5. Summary of Yields for Maturity Group V Early Roundup Ready for the 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
AgBorn	ABX 2105	bu/A 56.5	bu/A 64.0	bu/A 80.5	bu/A 87.4	bu/A 72.1	bu/A 40.5	bu/A 69.3	bu/A 64.9	bu/A 41.2	bu/A 54.0	bu/A 63.0
Armor	53-R88	63.2	64.0	69.9	77.5	68.7	49.6	56.2	82.2	23.2	52.8	60.7
Armor	55-R22	66.4	80.2	81.9	82.6	77.8	58.0	66.0	79.1	40.8	61.0	69.4
Armor	X1312	83.3	83.4	94.9	92.5	88.5	54.6	87.0	80.3	43.0	66.2	77.4
Armor	53-R16	60.4	79.8	88.9	88.7	79.5	59.7	76.8	76.5	26.7	59.9	69.7
Armor	X1410	62.2	65.4	86.5	87.4	75.3	56.7	58.9	66.5	47.1	57.3	66.3
Armor	X1413	65.7	75.0	85.6	100.5	81.7	56.0	69.3	78.5	38.4	60.6	71.1
Armor	X1414	62.4	72.9	94.5	94.9	81.2	51.3	78.7	84.5	35.8	62.6	71.9
Asgrow	AG 5534	66.6	78.6	91.5	85.8	80.6	55.1	74.2	78.3	38.6	61.5	71.1
Asgrow	AG 5634	73.7	72.7	87.6	92.0	81.5	65.7	75.3	68.2	44.8	63.5	72.5
Asgrow	AG5233	73.0	81.1	90.4	106.5	87.8	60.5	71.7	89.0	36.3	64.4	76.1
Asgrow	AG5332	75.1	72.8	89.5	107.5	86.2	53.8	74.5	84.7	40.3	63.3	74.8
Croplan	R2C 5081	72.9	75.4	86.8	86.8	80.5	53.3	85.7	83.8	35.6	64.6	72.5
Croplan	R2C5371	72.2	81.0	92.4	91.9	84.4	46.9	61.1	70.5	36.0	53.6	69.0
Delta Grow	DG 5125RR2	68.7	75.0	86.1	94.4	81.0	48.9	91.3	65.6	39.8	61.4	71.2
Delta Grow	DG 5130RR2	58.4	74.2	82.6	100.7	79.0	51.4	63.7	71.1	37.4	55.9	67.4
Delta Grow	DG 5475RR2	51.7	71.4	88.1	88.9	75.0	60.0	60.7	76.1	38.7	58.9	67.0
Delta Grow	DG 5480RR2	61.7	75.8	94.6	99.4	82.9	58.7	80.8	65.6	38.6	60.9	71.9
Delta Grow	DG 5565RR2	56.9	79.1	76.4	73.5	71.5	55.8	56.2	67.5	30.2	52.4	61.9
Delta Grow	DG 5575RR2	75.8	75.1	89.4	91.8	83.0	55.5	80.2	70.6	45.2	62.9	72.9
Delta Grow	DG 5625RR2	59.7	73.4	69.3	82.9	71.3	39.3	60.6	76.7	33.6	52.6	61.9
Dyna-Gro	32RY55	76.3	78.7	88.2	78.9	80.5	51.7	69.6	85.3	41.1	61.9	71.2
Dyna-Gro	S53RY23	66.5	75.3	85.8	84.2	77.9	51.3	68.8	69.7	43.2	58.2	68.1
Dyna-Gro	S54RY43	75.5	81.3	96.5	89.2	85.6	58.9	56.0	66.4	44.2	56.4	71.0
Dyna-Gro	S56RY84	73.8	73.6	90.4	90.8	82.2	56.9	78.6	82.4	49.8	66.9	74.5
Great Heart Seed	GT-500R2	66.5	66.3	84.1	88.8	76.4	63.1	60.7	74.6	36.3	58.7	67.6
Great Heart Seed	GT-550R2	64.9	66.8	77.4	66.0	68.8	47.7	60.2	69.9	36.5	53.6	61.2
Hornbeck	HBK RY5221	69.3	71.2	85.9	91.9	79.6	48.3	78.8	80.1	34.1	60.3	70.0
Hornbeck	HBK RY5421	74.0	73.1	83.6	82.6	78.3	47.8	68.7	76.3	49.2	60.5	69.4
MPG	MPG 5214	50.8	64.7	82.5	85.8	70.9	54.1	59.1	57.8	45.2	54.0	62.5
NK Brand	S52-Y2	73.8	66.6	83.0	90.5	78.5	46.1	69.2	91.3	43.6	62.6	70.5
Pioneer	P50T40R	60.9	74.8	82.3	98.9	79.2	51.8	94.9	79.5	25.0	62.8	71.0
Pioneer	P50T64R	73.7	76.0	89.3	96.6	83.9	59.2	77.8	95.0	31.2	65.8	74.8
Pioneer	P54T94R	66.9	78.0	88.7	88.1	80.4	60.2	55.7	85.4	42.6	61.0	70.7
Progeny	P5210RY	66.7	70.4	75.4	90.3	75.7	62.0	75.4	85.6	30.2	63.3	69.5
Progeny	P5213RY	68.6	71.4	82.9	91.4	78.6	52.8	73.1	79.0	34.9	59.9	69.3
Progeny	P5333RY	62.0	81.0	90.1	99.4	83.1	64.1	82.0	77.7	35.7	64.9	74.0
Progeny	P5555RY	77.0	73.3	91.0	94.1	83.8	60.8	81.5	79.6	48.3	67.5	75.7
Progeny	P5610RY	66.7	80.8	84.6	79.3	77.9	48.5	65.8	78.5	43.4	59.0	68.5
Progeny	P5111RY	56.5	76.2	83.8	88.8	76.3	55.4	91.2	80.8	31.6	64.7	70.5
REV®	51R53™	62.1	67.1	83.9	99.2	78.0	49.0	53.7	77.8	38.6	54.8	66.4
REV®	54R84™	76.3	80.1	85.8	87.9	82.5	53.7	63.7	73.3	47.0	59.4	71.0
REV®	55R53™	70.3	81.4	88.5	95.5	83.9	58.8	55.2	83.7	51.4	62.3	73.1
REV®	56R63™	70.9	76.1	93.5	90.9	82.9	58.1	79.9	77.1	54.5	67.4	75.1
REV®	56R21™	55.4	79.1	82.0	78.2	73.7	49.2	63.3	77.3	46.9	59.2	66.4
REV®	52R74™	60.2	76.2	87.9	99.5	81.0	61.1	67.5	74.3	36.8	59.9	70.4
Schillinger	5220.RC	62.4	67.9	80.6	91.6	75.6	54.9	59.6	65.5	36.6	54.1	64.9
Steyer	5101R2	70.0	70.5	80.8	103.0	81.1	45.5	55.1	67.5	33.7	50.5	65.8
Steyer	5301R2	66.1	70.1	80.4	95.1	77.9	56.1	58.3	74.6	39.8	57.2	67.6
Univ. of Arkansas	R04-1250RR	59.0	70.5	79.9	72.8	70.6	50.0	76.7	71.6	51.9	62.6	66.6
Univ. of Arkansas	R04-1268RR	63.4	68.1	76.6	73.7	70.5	55.6	57.2	66.1	48.0	56.7	63.6
Univ. of Missouri	S09-6201R	60.3	63.4	85.0	92.2	75.3	40.6	77.7	66.6	48.1	58.2	66.7
Mean		66.4	73.9	85.3	89.8	78.8	53.9	69.9	76.0	39.8	59.9	69.4
LSD (.10)		8.3	6.4	7.3	6.5		11.4	7.8	9.9	8.8		
Error df		102	102	102	102		102.0	102	102.0	102.0		
CV		9.2	72.6	6.4	5.4		8.4	8.3	9.6	16.4		
R-sq		68.2	6.4	66.1	82.8		47.9	84.9	65.3	63.2		

Table 6. Summary of Yields for Maturity Group V Late Roundup Ready for the 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Asgrow	AG5831	64.2	77.7	81.0	73.1	74.0	54.7	78.2	61.4	41.0	58.8	66.4
REV@	57R21™	67.2	83.0	90.0	92.2	83.1	55.6	72.2	66.9	39.8	58.6	70.9
Dyna-Gro	39RY57	71.4	81.4	90.3	83.2	81.5	53.1	70.5	73.0	38.8	58.9	70.2
Progeny	P5711RY	67.0	78.8	92.1	84.1	80.5	51.3	88.0	66.0	46.8	63.0	71.8
REV@	59R13™	54.7	76.0	80.3	85.7	74.2	47.2	70.9	77.2	43.5	59.7	66.9
Mean		64.8	79.4	86.7	83.6	78.7	52.4	76.0	68.9	42.0	59.8	69.2
LSD (.10)		3.2	6.3	4.9	7.0		7.0	9.1	7.6	10.9		
Error df		8.0	8.0	8.0	8.0		8.0	8.0	8.0	8.0		
CV		3.3	5.2	3.8	5.5		8.8	7.9	7.3	17.0		
R-sq		95.0	60.0	83.7	77.3		73.1	70.1	75.5	50.2		

Table 7. Summary of 2-Year Yields for Maturity Group IV Conventional for the 2012 and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
HALO	4:65	66.5	56.8	61.7	50.6	76.4	63.5	62.6
HALO	4:94	72.9	53.6	63.2	52.7	70.4	61.5	62.4
GoSoy	4411LL	64.2	51.2	57.7	53.4	79.2	66.3	62.0
Univ. of Arkansas	R05-3239	76.0	59.2	67.6	53.7	61.4	57.6	62.6
GoSoy	4711LL	71.9	50.6	61.2	53.6	78.1	65.9	63.5
Progeny	P4819LL	66.4	50.8	58.6	48.8	67.2	58.0	58.3
Progeny	P4928LL	69.8	52.6	61.2	52.8	69.8	61.3	61.2
Delta Grow	DG 4967LL	70.2	55.7	62.9	55.5	80.4	67.9	65.4
GoSoy	4812LL	66.4	52.0	59.2	53.6	72.5	63.1	61.2
GoSoy	4912LL	72.1	56.0	64.0	52.3	75.3	63.8	63.9
HALO	X48	67.9	50.7	59.3	50.8	73.6	62.2	60.7
Delta Grow	DG 4990LL	70.4	55.2	62.8	51.7	69.1	60.4	61.6
Overall Mean		69.5	53.7	61.6	52.5	72.8	62.6	62.1

Table 8. Summary of 2-Year Yields for Maturity Group V Conventional/LL for the 2012 and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Delta Grow	DG5461LL	73.4	58.4	65.9	49.3	82.8	66.1	66.0
GoSoy	5010LL	66.8	56.4	61.6	57.4	72.5	64.9	63.3
GoSoy	5111LL	73.3	57.0	65.2	40.5	74.6	57.5	61.4
GoSoy	5410LL	71.5	54.4	63.0	54.9	72.3	63.6	63.3
Progeny	P5160LL	82.9	57.5	70.2	42.0	77.2	59.6	64.9
Progeny	P5460LL	68.7	56.5	62.6	46.7	72.0	59.4	61.0
Progeny	P5960LL	73.6	59.6	66.6	47.7	72.3	60.0	63.3
Univ. of Arkansas	Osage	76.2	63.4	69.8	54.0	69.7	61.9	65.8
Univ. of Arkansas	Ozark	73.4	58.7	66.0	53.5	70.4	61.9	64.0
Univ. of Arkansas	UA5612	72.1	69.4	70.7	55.0	80.1	67.6	69.2
HALO	5:45	75.1	60.6	67.8	50.0	69.1	59.5	63.7
HALO	X50	73.2	56.2	64.7	55.1	75.2	65.2	65.0
HALO	X51	65.3	55.1	60.2	45.3	69.2	57.3	58.7
USDA-ARS	JTN-4307	57.5	46.6	52.0	49.5	77.3	63.4	57.7
Overall Mean		71.7	57.8	64.7	50.1	73.9	62.0	63.4

**Table 9. Summary of 2-Year Yields for Maturity Group IV Early Roundup
Ready for the 2012 and 2013 Mississippi Soybean Variety Trials.**

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr.	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
AGS	43R212	53.3	57.2	58.4	61.9	32.5	84.3	57.9	62.6	72.9	67.8	54.3	64.4	60.5
AGS	45R212	56.5	53.6	71.5	64.7	36.8	87.9	61.8	57.0	75.4	57.0	46.6	59.0	60.7
Armor	44-R08	47.6	59.1	59.5	61.7	32.5	85.2	57.6	60.3	73.9	66.1	49.9	62.6	59.6
Asgrow	AG 4232	50.0	71.4	58.3	64.2	35.1	84.0	60.5	59.6	73.0	63.0	52.4	62.0	61.1
Asgrow	AG 4433	53.6	56.3	62.9	65.3	32.8	87.1	59.7	64.1	72.0	60.1	49.9	61.5	60.4
Asgrow	AG 4533	51.8	62.2	67.5	70.4	38.5	88.4	63.1	59.7	74.5	67.9	57.0	64.8	63.8
Asgrow	AG 4633	51.3	54.6	55.1	62.8	31.1	80.7	55.9	58.4	63.9	60.7	55.2	59.5	57.4
Asgrow	AG4531	57.8	52.5	66.8	68.3	39.0	82.3	61.1	64.5	62.0	69.7	67.3	65.9	63.0
Asgrow	AG4632	66.3	62.0	74.9	68.3	34.2	87.3	65.5	60.8	86.0	70.9	61.7	69.9	67.2
Croplan	R2C 4541	60.1	66.7	71.9	63.7	32.8	83.8	63.2	64.3	79.7	63.3	55.1	65.6	64.1
Delta Grow	DG 4670R2Y	61.1	66.0	73.4	61.3	38.5	88.0	64.7	59.2	89.2	57.6	58.5	66.1	65.3
Dyna-Gro	31RY45	56.7	69.7	68.3	65.1	33.4	90.0	63.9	63.4	84.8	62.5	64.2	68.7	65.8
Dyna-Gro	39RY43	52.8	55.5	64.3	65.8	31.3	88.0	59.6	56.9	71.2	65.3	45.7	59.8	59.7
Dyna-Gro	S44RS93	54.5	65.3	57.9	60.3	29.0	80.3	57.9	55.3	80.4	63.6	51.1	62.6	59.8
Hornbeck	RY4620	58.9	69.6	63.8	58.4	35.7	84.3	61.8	59.9	66.3	68.1	60.7	63.7	62.6
Morsoy Xtra	46X29	57.9	61.1	61.1	63.8	38.6	83.6	61.0	62.1	63.5	67.2	63.9	64.2	62.3
Morsoy Xtra	R2 44X82	54.2	58.8	60.7	70.6	37.5	81.9	60.6	56.1	65.7	63.5	45.0	57.6	59.4
NK Brand	S44-D5	48.1	50.3	67.5	57.7	30.9	79.3	55.6	59.5	60.1	59.6	44.8	56.0	55.8
Progeny	P4211RY	51.9	50.2	67.4	65.7	28.3	87.2	58.5	56.4	76.8	64.8	46.6	61.2	59.5
Progeny	P4510RY	55.8	61.9	63.9	64.1	34.5	83.7	60.7	59.1	69.7	67.2	61.3	64.3	62.1
Overall Mean		55.0	60.2	64.8	64.2	34.1	84.9	60.5	60.0	73.1	64.3	54.6	63.0	61.5

**Table 10. Summary of 2-Year Yields for Maturity Group IV Late Roundup
Ready for the 2012 and 2013 Mississippi Soybean Variety Trials.**

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (loam)	Stoneville Nonirr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
AGS	AGS 47R212	63.4	58.8	63.9	55.2	82.4	46.1	61.6	59.9	73.5	60.1	49.6	60.8	61.3
Armor	49-R56	72.2	58.8	80.0	65.4	87.6	42.5	67.8	55.0	64.2	60.7	40.9	55.2	62.7
Armor	DK4744	63.7	64.2	73.7	65.6	78.0	41.0	64.4	57.2	62.8	54.6	59.1	58.4	62.0
Armor	47-R13	65.2	63.8	73.5	63.9	75.9	40.3	63.8	67.1	73.0	57.2	54.3	62.9	63.4
Asgrow	AG 4832	66.3	71.5	71.1	63.1	79.6	51.1	67.1	63.8	66.2	50.5	57.7	59.6	64.1
Asgrow	AG 4933	66.0	61.6	71.9	63.9	81.3	44.1	64.8	65.9	67.8	53.0	53.9	60.1	62.9
Croplan	R2C 4752S	71.1	68.0	71.0	62.6	80.0	40.0	65.5	72.6	75.7	54.0	53.4	63.9	64.8
Croplan	R2T4799S	64.1	62.9	72.9	61.5	77.9	41.6	63.5	60.9	61.0	56.0	42.8	55.2	60.2
Delta Grow	DG 4755 R2Y	56.7	61.5	71.0	63.7	76.0	44.5	62.2	62.6	71.3	44.5	44.4	55.7	59.6
Delta Grow	DG 4765 R2Y/STS	54.5	65.0	75.4	64.6	81.3	43.0	64.0	70.2	73.6	52.4	51.5	61.9	63.2
Delta Grow	DG 4825 R2Y/STS	58.3	52.5	75.4	58.3	81.3	45.5	61.9	65.2	69.8	59.9	59.4	63.6	62.6
Delta Grow	DG 4880RR	53.1	57.4	68.2	51.4	76.9	32.1	56.5	56.1	71.8	59.5	51.0	59.6	57.8
Delta Grow	DG 4925 R2Y	60.7	59.9	73.4	61.9	80.1	38.7	62.4	60.7	59.7	49.1	51.4	55.2	59.6
Delta Grow	DG 4970RR	50.1	55.1	70.2	52.4	74.7	33.4	56.0	63.2	79.1	57.6	50.0	62.5	58.6
Dyna-Gro	DG 37RY47	65.7	58.1	73.6	63.6	79.6	41.1	63.6	62.2	61.8	54.9	57.7	59.2	61.8
Dyna-Gro	S47RY13	57.1	61.9	70.9	62.9	82.1	41.1	62.7	61.4	68.2	48.4	44.9	55.7	59.9
Dyna-Gro	S48RS53	71.0	60.4	70.2	64.6	74.9	40.5	63.6	63.3	77.0	51.1	55.9	61.8	62.9
Hornbeck	RY4721	61.3	51.4	69.2	58.2	79.9	36.0	59.3	61.0	83.7	55.3	43.3	60.8	59.9
Morsoy Xtra	R2 47X12	71.7	58.7	75.8	65.3	78.4	47.5	66.2	69.9	78.5	55.9	53.6	64.4	65.5
Morsoy Xtra	R2 48X02	65.6	68.1	71.4	65.4	86.9	42.8	66.7	68.6	74.5	57.9	47.8	62.2	64.9
NK Brand	S49-F8	63.3	55.6	71.6	64.3	81.7	34.5	61.8	55.4	76.6	59.6	57.4	62.2	62.0
Progeny	P4710RY	65.8	66.4	73.1	58.8	72.7	41.3	63.0	60.9	75.4	64.7	47.7	62.2	62.7
Progeny	P4747RY	61.7	74.6	76.9	65.1	84.7	43.1	67.7	60.5	71.4	52.2	49.3	58.3	63.9
Progeny	P4850RY	65.3	59.1	74.0	68.3	80.1	37.8	64.1	69.1	77.1	54.7	53.3	63.6	63.9
Progeny	P4900RY	67.2	58.3	79.6	65.2	87.0	57.4	69.1	60.8	64.6	55.7	43.5	56.1	63.9
REV®	47R53™	65.1	67.3	64.6	61.0	71.4	42.7	62.0	52.4	74.0	52.6	55.9	58.7	60.7
REV®	48R22™	57.0	61.7	69.6	52.8	74.2	39.6	59.1	62.3	68.9	48.0	50.1	57.3	58.4
REV®	48R33™	50.3	64.2	61.7	57.7	80.0	52.2	61.0	58.6	84.5	56.6	53.0	63.2	61.9
REV®	49R22™	54.8	53.8	63.8	56.8	71.7	33.0	55.7	59.2	66.1	50.8	53.6	57.4	56.4
Schillinger	478.RCS	59.1	55.7	68.1	52.8	74.7	41.0	58.6	68.8	66.1	52.4	47.6	58.7	58.6
Schillinger	495.RC	65.5	66.5	69.2	59.8	71.4	41.8	62.4	63.4	74.2	64.7	50.3	63.1	62.7
Schillinger	4990.RC	63.6	48.7	67.0	62.5	73.8	37.7	58.9	52.2	79.8	60.5	53.8	61.6	60.0
Overall Mean		62.4	60.4	59.1	69.3	59.5	76.1	40.3	60.8	60.3	69.3	53.3	49.6	58.1

Table 11. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2011 and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	53-R88	59.6	59.8	51.2	63.1	58.4	48.3	71.7	59.9	44.7	56.2	57.3
Armor	X1312	73.8	66.7	67.9	76.2	71.2	51.6	88.0	54.1	50.0	60.9	66.0
Armor	AG5233	67.0	69.9	66.2	85.1	72.1	52.3	75.4	56.0	50.7	58.6	65.3
Asgrow	AG5332	67.2	72.0	65.6	81.4	71.5	53.7	68.1	55.1	52.4	57.3	64.4
Croplan	R2C 5081	68.7	67.9	65.8	72.2	68.7	51.1	84.8	53.9	44.1	58.5	63.6
Croplan	R2C5371	72.3	69.2	69.7	73.9	71.3	40.7	72.4	50.7	55.2	54.7	63.0
Delta Grow	DG 5475RR2	57.4	64.7	67.7	75.1	66.2	54.9	65.4	57.1	50.2	56.9	61.6
Dyna-Gro	32RY55	69.8	76.0	67.0	66.1	69.8	56.9	77.2	62.8	58.7	63.9	66.8
Dyna-Gro	S53RY23	61.9	70.6	64.5	72.9	67.5	51.1	71.9	53.9	47.8	56.2	61.8
Dyna-Gro	S54RY43	70.5	71.2	73.4	73.7	72.2	57.4	59.8	54.2	59.4	57.7	64.9
Great Heart Seed	GT-500R2	64.9	63.7	62.0	77.5	67.0	59.0	71.7	51.6	43.3	56.4	61.7
Great Heart Seed	GT-550R2	64.2	55.1	60.1	58.1	59.4	50.6	64.8	50.9	46.0	53.1	56.2
Hornbeck	HBK RY5221	64.8	66.4	61.2	75.0	66.9	51.3	73.0	52.2	37.0	53.4	60.1
Hornbeck	HBK RY5421	68.9	66.9	61.5	69.0	66.6	46.7	72.6	46.6	54.6	55.1	60.9
Progeny	P5210RY	60.1	64.4	56.9	73.0	63.6	54.9	74.4	58.2	47.9	58.9	61.3
Progeny	P5610RY	65.2	73.1	66.3	65.0	67.4	52.2	79.4	59.2	57.6	62.1	64.7
Progeny	P5111RY	59.0	68.1	63.3	74.0	66.1	53.6	86.6	58.5	44.7	60.9	63.5
REV@	51R53™	61.5	62.2	63.7	80.4	66.9	50.3	75.5	51.5	53.5	57.7	62.3
REV@	54R84™	68.4	74.7	64.3	71.3	69.7	49.4	74.6	52.6	56.9	58.4	64.0
REV@	55R53™	68.1	77.4	67.6	77.0	72.5	59.2	67.1	63.9	63.3	63.3	67.9
REV@	56R21™	61.0	73.6	62.8	64.3	65.4	48.2	77.7	57.3	57.4	60.2	62.8
REV@	56R63™	65.3	69.1	72.8	73.0	70.0	51.3	78.4	60.7	59.0	62.4	66.2
Schillinger	5220.RC	60.6	64.4	60.3	71.8	64.3	53.2	62.8	44.9	40.6	50.4	57.3
Univ. of Arkansas	R04-1268RR	58.9	60.2	54.4	59.7	58.3	51.9	60.2	44.7	50.1	51.7	55.0
Overall Mean		64.9	68.0	64.2	72.0	67.3	52.2	73.2	54.5	50.7	57.7	62.5

Table 12. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2011 and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Asgrow	AG5831	61.1	69.8	61.8	61.1	63.4	56.9	74.7	51.5	51.2	58.6	53.4
Dyna-Gro	39RY57	70.2	75.3	65.6	68.7	69.9	57.4	76.2	54.9	53.6	60.5	56.7
Progeny	P5711RY	66.2	70.7	61.6	68.0	66.6	53.2	78.8	50.9	58.0	60.2	54.9
REV@	59R13™	58.6	69.6	61.2	69.5	64.7	53.6	71.5	56.8	49.7	57.9	52.6
Overall Mean		64.0	71.3	62.5	66.8	66.2	55.3	75.3	53.5	53.1	59.3	54.4

Table 13. Summary of 3-Year Yields for Maturity Group IV Conv./LL for the 2011, 2012, and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hill Avg.	Overall Avg.
HALO	4:65	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
HALO	4:94	57.5	58.0	57.8	50.3	72.9	61.6	59.7
HALO	4:94	62.5	54.6	58.6	52.0	67.5	59.8	59.2
GoSoy	4411LL	57.3	54.5	55.9	52.2	75.5	63.9	59.9
Progeny	P4928LL	61.5	52.5	57.0	51.6	65.1	58.4	57.7
Overall Mean		59.7	54.9	57.3	51.5	70.3	60.9	59.1

Table 14. Summary of 3-Year Yields for Maturity Group V Conventional/LL for the 2011, 2012, and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr. (clay)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hill Avg.		Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Delta Grow	DG5461LL	67.2	55.8	61.5	45.0	75.8	60.4		60.9
GoSoy	5111LL	62.3	55.0	58.6	42.7	68.6	55.6		57.1
Progeny	P5160LL	71.0	54.8	62.9	39.5	69.1	54.3		58.6
Progeny	P5460LL	60.5	53.5	57.0	41.5	68.1	54.8		55.9
Progeny	P5960LL	63.0	57.5	60.2	46.3	66.9	56.6		58.4
Univ. of Arkansas	Osage	65.2	61.5	63.4	51.6	67.0	59.3		61.3
Univ. of Arkansas	Ozark	59.3	54.5	56.9	49.5	67.1	58.3		57.6
Overall Mean		64.1	56.1	60.1	45.2	68.9	57.0		58.6

Table 15. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2011, 2012, and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hill Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Asgrow	AG 4531	63.1	61.4	63.2	75.4	76.7	68.0	59.7	64.4	70.6	42.9	59.4	64.2
Asgrow	AG 4632	68.2	63.8	65.6	76.4	82.5	71.3	58.3	84.0	71.8	49.9	66.0	68.9
Delta Grow	DG 4670RR2	64.1	55.9	66.8	73.0	83.2	68.6	57.8	80.5	60.8	44.5	60.9	65.2
Dyna-Gro	31RY45	59.4	61.7	63.1	71.9	83.5	67.9	59.2	77.9	66.1	49.1	63.1	65.8
Hornbeck	HBK RY4620	60.5	63.4	56.2	68.8	78.8	65.5	57.3	65.0	67.8	42.4	58.1	62.2
Morsoy Xtra	46X29	61.8	65.2	57.5	73.0	79.8	67.5	60.0	61.5	68.9	43.2	58.4	63.4
NK Brand	S44-D5	54.2	54.0	57.7	65.4	79.3	62.1	55.9	60.0	62.5	33.4	53.0	58.1
Progeny	P4211RY	57.7	61.8	60.2	71.3	85.1	67.2	54.4	74.4	69.0	34.2	58.0	63.1
Progeny	P4510RY	60.6	59.7	60.6	74.6	79.7	67.0	58.5	68.0	67.0	45.0	59.6	63.8
Overall Mean		54.1	53.9	54.2	63.8	72.4	59.7	51.3	63.5	59.3	38.0	53.0	56.7

Table 16. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2011, 2012, and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hill Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Delta Grow	DG 4970RR	63.5	57.9	58.5	56.2	68.9	61.0	60.0	72.9	60.5	45.0	59.6	60.4
Schillinger	495.RC	62.9	64.2	59.2	62.6	67.7	63.3	59.2	68.2	66.3	45.7	59.9	61.8
Delta Grow	DG 4880RR	65.4	60.5	56.0	57.1	73.1	62.4	52.4	69.0	60.8	45.9	57.0	60.0
Progeny	P4710RY	63.2	64.1	66.3	63.0	68.7	65.1	60.9	72.1	65.0	44.5	60.6	63.1
REV®	48R22™	62.4	61.7	58.1	56.0	69.5	61.5	58.0	64.2	50.4	46.9	54.9	58.6
REV®	49R22™	57.7	55.9	53.5	58.8	66.1	58.4	55.7	63.6	55.2	50.1	56.2	57.4
Asgrow	AG 4832	65.8	67.6	63.1	67.0	73.7	67.4	59.7	63.1	55.7	52.0	57.6	63.1
Hornbeck	HBK RY4721	64.2	55.0	60.5	61.9	74.7	63.3	58.5	77.4	60.4	39.7	59.0	61.4
Croplan	R2T4799S	72.0	64.4	68.1	64.7	73.4	68.5	59.4	61.9	59.8	41.9	55.8	62.8
REV®	47R53™	68.9	65.4	57.9	63.6	67.2	64.6	51.1	72.2	57.8	51.1	58.0	61.7
REV®	48R33™	65.7	65.5	57.7	61.0	75.2	65.0	56.5	78.9	60.6	50.5	61.6	63.5
Overall Mean		64.7	45.4	44.1	45.1	51.7	63.7	41.8	50.3	42.3	34.2	58.2	61.2

Table 17. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2011, 2012, and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale	Longwood	Stoneville (clay)	Stoneville (loam)	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hill Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	53-R88	60.2	52.0	52.2	59.7	56.0	45.9	66.7	57.3	43.2	53.3	54.7
Asgrow	AG5332	66.2	63.2	65.2	76.2	67.7	49.5	65.1	58.2	52.7	56.4	62.0
Dyna-Gro	32RY55	68.6	63.2	63.2	62.8	64.4	50.5	71.1	60.5	53.8	59.0	61.7
Hornbeck	HBK RY5221	63.9	60.3	60.5	68.0	63.2	51.0	66.7	54.6	35.4	51.9	57.5
Hornbeck	HBK RY5421	66.4	55.5	57.2	64.9	61.0	45.7	69.3	50.0	47.4	53.1	57.1
Progeny	P5210RY	58.8	54.7	56.4	68.4	59.6	51.0	67.4	57.8	46.3	55.6	57.6
Progeny	P5610RY	64.4	61.3	62.9	62.9	62.9	51.6	71.6	58.7	54.3	59.0	61.0
Progeny	P5111RY	57.7	58.2	61.5	70.9	62.1	51.7	76.6	54.7	44.3	56.8	59.4
REV@	51R53™	61.8	59.1	63.6	74.3	64.7	48.3	70.7	53.7	51.4	56.0	60.4
REV@	56R21™	61.1	62.2	60.1	63.4	61.7	46.5	71.6	57.6	51.6	56.8	59.3
REV@	56R63™	64.3	61.7	68.0	69.1	65.8	49.1	71.8	60.4	51.0	58.1	61.9
Schillinger	5220.RC	61.2	57.6	60.2	65.9	61.2	49.1	61.3	50.9	40.2	50.4	55.8
Overall Mean		62.9	59.1	60.9	67.2	62.5	49.2	69.2	56.2	47.6	55.5	59.0

Table 18. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2011, 2012, and 2013 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hill Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Asgrow	AG5831	61.8	60.1	59.6	58.4	60.0	51.4	66.9	51.5	45.2	53.7	56.9
Dyna-Gro	39RY57	69.8	66.7	62.5	63.4	65.6	53.2	72.1	55.1	46.8	56.8	61.2
Progeny	P5711RY	65.8	62.2	58.3	65.5	63.0	50.8	72.6	51.7	52.0	56.8	59.9
Overall Mean		65.8	63.0	60.2	62.5	62.9	51.8	70.5	52.8	48.0	55.8	59.3

Location 1. Stoneville Irrigated and Nonirrigated (clay)

Location Summary

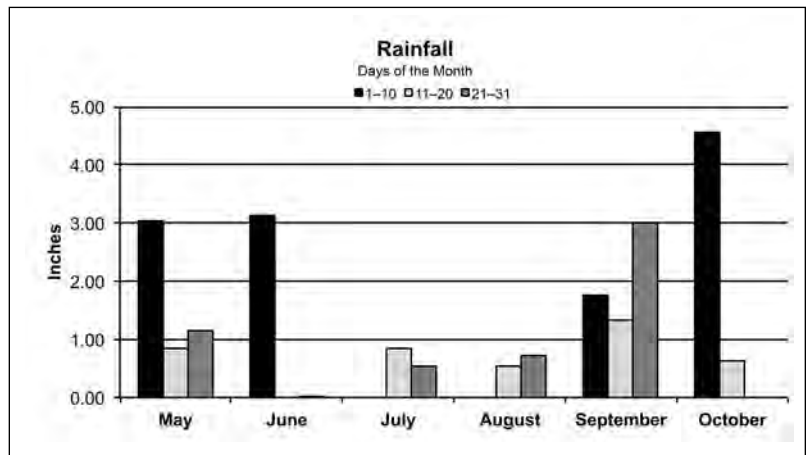
The Nonirrigated and irrigated plots were planted into a stale seedbed with adequate moisture to germinate plots quickly. All plots emerged to a good stand. Favorable weather conditions allowed for above-average yields on

the Nonirrigated plots. Timely rainfall and irrigation allowed for good soil moisture throughout the growing season. As a result, excellent yields were observed in the irrigated plots. Harvest was completed in a timely manner.

Soil type	Sharkey clay
Soil pH	7.0
Soil fertility	P=H K=H
Irrigation dates	June 20, June 29, July 16, August 1, August 20
Herbicide application	Preemergence – Authority MTZ @ 12 oz/A, Dual II Magnum @ 24oz/A, and Roundup Powermax @ 24 oz/A (nonirrigated on April 29 and irrigated on April 30) Postemergence – Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.6 oz/A on June 27 (irrigated and nonirrigated); Conventional/LL – Select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Dual II Magnum @ 16 oz/A on June 27
Fungicide application	Quilt @ 8 oz/A on July 10
Insecticide application	Mustang Max @ 4 oz/A on July 10
Previous crop	Soybeans
Planting date	April 29 – Nonirrigated April 30 – Irrigated
Harvest date	Nonirrigated on September 9; Irrigated on October 11.

Rainfall Summary

	Inches
May	5.03
June	3.13
July	1.37
August	1.27
September	6.09
October	5.20
Total	22.09



Note: Varieties in the following tables with names in bold type are experimental.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Hornbeck	XLL 4969	79.6	—	—	—	38	1
Halo	X496	78.8	—	—	—	38	1
Dyna-Gro	S49LL34	78.3	—	—	—	42	1
Univ. of Arkansas	R05-3239	77.8	59.2	—	—	20	1
Halo	X50	77.0	—	—	—	45	1
Halo	4:65	76.4	56.8	58.0	—	32	1
Progeny	P4930LL	75.9	—	—	—	36	1
Delta Grow	DG 4990LL	74.9	55.2	—	—	37	1
GoSoy	4912LL	74.6	56.0	—	—	44	1
Dyna-Gro	SX13246L	74.5	—	—	—	27	1
Delta Grow	DG 4967LL	74.3	55.7	—	—	39	1
Progeny	P4560LL	74.0	—	—	—	26	1
Univ. of Missouri	S09-13608	73.5	—	—	—	29	1
Univ. of Missouri	S09-10871	73.3	—	—	—	30	1
Halo	4:94	73.2	53.6	54.6	—	41	1
Univ. of Missouri	S09-9943	72.8	—	—	—	27	1
Hornbeck	HBK LL4950	72.5	—	—	—	44	1
Hornbeck	HBK LL4653	72.2	—	—	—	32	1
AgBorn	ABX 2174	72.2	—	—	—	26	1
Delta Grow	DG 4981LL/STS	71.6	—	—	—	52	1
Progeny	P4819LL	70.9	50.8	—	—	32	1
Halo	X48	70.1	50.7	—	—	30	1
GoSoy	4812LL	69.8	52.0	—	—	34	1
GoSoy	4711LL	69.3	50.6	—	—	42	2
Halo	X477	69.1	—	—	—	45	1
Progeny	P4928LL	69.1	52.6	52.5	—	40	1
GoSoy	4411LL	69.1	51.2	54.5	—	34	1
Hornbeck	HBK LL4650	68.8	—	—	—	29	1
Halo	X466	66.8	—	—	—	30	1
Hornbeck	HBK LL4850	65.7	—	—	—	32	1
USDA-ARS	JTN-4607	64.1	—	—	—	20	1
Halo	X42	60.8	—	—	—	25	1
Mean		72.2					
LSD (0.1)		7.1					
Error df		62					
CV		7.2					
R-square		61.5					

¹No 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
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Univ. of Arkansas	UA5612	87.2	69.4	—	—	29	1
Univ. of Arkansas	R05-374	82.1	—	—	—	26	1
Univ. of Arkansas	Osage	79.5	63.4	61.5	—	18	1
Progeny	P5160LL	79.1	57.5	54.8	—	18	1
Univ. of Arkansas	R05-4114	78.7	—	—	—	23	1
Halo	Halo X50	75.8	56.2	—	—	43	2
Delta Grow	DG5461LL	75.4	58.4	55.8	—	35	1
GoSoy	5111LL	74.5	57.0	55.0	—	23	1
Progeny	P5960LL	73.8	59.6	57.5	—	25	1
Delta Grow	DG 5481LL	73.3	—	—	—	39	1
Stratton Seed	Leland	72.7	—	—	—	29	1
Univ. of Arkansas	Ozark	72.3	58.7	54.5	—	21	1
Halo	Halo X51	72.1	55.1	—	—	24	1
Halo	Halo 5:45	71.6	60.6	—	—	23	1
GoSoy	5010LL	71.4	56.4	—	—	22	1
Progeny	P5460LL	71.3	56.5	53.5	—	40	1

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
GoSoy	5410LL	70.9	54.4	—	—	41	1
Univ. of Missouri	S09-13635	69.8	—	—	—	33	1
Halo	X530	69.2	—	—	—	51	1
Hornbeck	HBK LL5350	65.0	—	—	—	19	1
Delta Grow	DG 5361LL	63.3	—	—	—	43	2
GoSoy	5312LL	62.6	—	—	—	46	2
USDA-ARS	JTN-4307	60.2	46.6	—	—	18	1
Mean		72.7					
LSD		6.7					
Error df		44					
CV		6.7					
R-square		80					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Armor	X1404	97.5	—	—	9/26	33	1
Progeny	P4613RY	97.0	—	—	9/24	33	1
Mycogen	5N451R2	96.5	—	—	9/24	33	1
Morsoy	EXP 44	94.1	—	—	9/20	25	1
Asgrow	AG4531	93.0	68.3	75.4	9/24	28	1
Morsoy Xtra	46X29	92.7	63.8	73.0	9/24	29	1
Asgrow	AG4632	92.2	68.3	76.4	9/24	33	1
Asgrow	AG 4533	92.1	70.4	—	9/24	32	1
NK Brand	S46-L2	91.7	—	—	9/20	26	1
Progeny	P4313RY	90.3	—	—	9/24	21	1
Pioneer	P46T21R	90.0	—	—	9/24	30	1
Progeny	P4211RY	90.0	65.7	71.3	9/24	28	1
Croplan	R2C 4541	89.7	63.7	—	9/24	34	1
Progeny	P4510RY	89.6	64.1	74.6	9/24	31	1
Morsoy	44x82	89.3	70.6	—	9/20	30	1
Hornbeck	HBK RY4620	89.2	58.4	68.8	9/24	32	1
AGS	AGS 45R212	88.8	64.7	—	9/24	31	1
Asgrow	AG 4433	88.4	65.3	—	9/24	29	1
Dyna-Gro	31RY45	87.6	65.1	71.9	9/20	33	1
AGS	AGS 43R212	86.4	61.9	—	9/24	34	1
REV®	46R73™	86.3	—	—	9/20	30	1
Armor	X1406	85.9	—	—	9/29	32	1
Delta Grow	4670RR2	85.2	61.3	73.0	9/24	29	1
Armor	X1401	85.0	—	—	9/24	27	1
Steyer	4301R2	84.1	—	—	9/24	30	1
Asgrow	AG 4232	83.4	64.2	—	9/24	28	1
NK Brand	S46-G9	82.9	—	—	9/14	31	1
Mycogen	5N431R2	82.7	—	—	9/24	27	1
Schillinger	458.RCS	82.6	—	—	9/24	33	1
REV®	46R64™	82.4	—	—	9/24	28	1
Dyna-Gro	S44RS93	82.4	60.3	—	9/14	24	1
Asgrow	AG 4633	82.2	62.8	—	9/24	23	1
MPG	MPG 4514NS	81.7	—	—	9/30	30	1
Dyna-Gro	39RY43	81.2	65.8	—	9/20	28	1
Armor	44-R08	80.0	61.7	—	9/20	30	1
AgBorn	ABX 2164	79.1	—	—	9/24	28	1
USG	74F53R	78.7	—	—	9/24	33	1
Mycogen	5N423R2	77.8	—	—	9/24	29	1
NK Brand	S44-D5	77.2	57.7	65.4	9/14	27	1
AgBorn	ABX 27041	76.0	—	—	9/20	30	1
Mean		86.6					
LSD		7.1					
Error df		78.0					
CV		6.1					
R-sq		63.8					

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P4613RY	41.8	—	—	—	21	1
Asgrow	AG4531	40.4	39.0	—	—	19	1
Asgrow	AG 4533	39.1	38.5	—	—	25	1
Morsoy	44x82	38.3	37.5	—	—	17	1
Delta Grow	4670RR2	38.2	38.5	—	—	21	1
Hornbeck	HBK RY4620	37.7	35.7	—	—	20	1
Armor	X1406	37.0	—	—	—	22	1
Asgrow	AG4632	36.6	34.2	—	—	20	1
Asgrow	AG 4232	36.0	35.1	—	—	21	1
Armor	X1404	35.2	—	—	—	23	1
Morsoy	EXP 44	35.2	—	—	—	18	1
Progeny	P4510RY	35.1	34.5	—	—	20	1
Morsoy Xtra	46X29	34.8	38.6	—	—	20	1
REV@	46R73™	34.7	—	—	—	25	1
Mycogen	5N423R2	34.6	—	—	—	20	1
Mycogen	5N431R2	34.2	—	—	—	20	1
Schillinger	458.RCS	34.1	—	—	—	22	1
Dyna-Gro	31RY45	33.9	33.4	—	—	23	1
Armor	44-R08	33.8	32.5	—	—	19	1
NK Brand	S46-L2	33.8	—	—	—	23	1
REV@	46R64™	33.3	—	—	—	21	1
Asgrow	AG 4433	33.1	32.8	—	—	23	1
NK Brand	S44-D5	32.8	30.9	—	—	21	1
Progeny	P4313RY	32.8	—	—	—	18	1
Dyna-Gro	39RY43	32.4	31.3	—	—	18	1
Pioneer	P46T21R	31.4	—	—	—	19	1
USG	74F53R	31.4	—	—	—	25	1
MPG	MPG 4514NS	31.4	—	—	—	23	1
Steyer	4301R2	31.3	—	—	—	19	1
AGS	AGS 45R212	30.9	36.8	—	—	24	1
Progeny	P4211RY	30.8	28.3	—	—	17	1
Asgrow	AG 4633	30.5	31.1	—	—	18	1
Mycogen	5N451R2	30.1	—	—	—	18	1
AGS	AGS 43R212	28.9	32.5	—	—	20	1
AgBorn	ABX 27041	28.8	—	—	—	23	1
Dyna-Gro	S44RS93	28.8	29.0	—	—	18	1
Croplan	R2C 4541	28.3	32.8	—	—	21	1
Armor	X1401	28.2	—	—	—	18	1
NK Brand	S46-G9	26.8	—	—	—	20	1
AgBorn	ABX 2164	26.7	—	—	—	21	1
Mean		33.3					
LSD		6.1					
Error df		78.0					
CV		13.5					
R-sq		49.8					

¹No 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
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Armor	48-R66	97.4	—	—	—	26	1
USG	74B83R	95.3	—	—	—	27	1
Progeny	P4850RY	95.0	68.3	—	—	31	1
Morsoy Xtra	49X14	94.3	—	—	—	35	1
Great Heart Seed	GT476R2	93.8	—	—	—	33	1
REV@	47R34™	92.8	—	—	—	34	1
Schillinger	4990.RC	92.7	62.5	—	—	33	1
Steyer	4701R2	92.3	—	—	—	24	1

¹No 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
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P4900RY	90.9	65.2	—	—	27	1
Pioneer	P49T80R	90.7	—	—	—	33	1
Morsoy Xtra	47X12	90.7	65.3	—	—	38	1
Delta Grow	DG 4765 R2Y/STS	90.6	64.6	—	—	28	1
Croplan	R2C 4752S	90.1	62.6	—	—	34	1
Mycogen	5N478R2	89.7	—	—	—	37	1
Armor	49-R56	89.6	65.4	—	—	28	1
Delta Grow	DG4940RR	89.5	—	—	—	28	1
Dyna-Gro	S48RS53	89.3	64.6	—	—	34	1
Armor	DK4744	89.0	65.6	—	—	30	1
Asgrow	AG 4933	88.9	63.9	—	—	34	1
Armor	47-R13	88.3	63.9	—	—	31	1
Asgrow	AG4934	88.1	—	—	—	32	1
USG	74A92R	88.0	—	—	—	35	1
REV@	49R94™	87.3	—	—	—	36	1
NK Brand	S49-F8	86.7	64.3	—	—	29	1
Morsoy Xtra	48X02	86.6	65.4	—	—	35	1
Pioneer	P49T97R	86.6	—	—	—	30	1
Pioneer	P47T36R	86.6	—	—	—	29	1
Asgrow	AG 4832	86.3	63.1	67.0	—	36	1
Dyna-Gro	DG 37RY47	86.1	63.6	—	—	30	1
Delta Grow	DG 4925 RR2	86.0	61.9	—	—	31	1
Pioneer	P48T53R	85.8	—	—	—	31	1
REV@	47R53™	85.5	61.0	63.6	—	34	1
Schillinger	495.RC	85.3	59.8	62.6	—	37	1
Great Heart Seed	GX4798R2	85.3	—	—	—	30	1
AGS	AGS 47R212	84.9	55.2	—	—	28	1
Progeny	P4747RY	84.8	65.1	—	—	34	1
AgBorn	ABX 2499	84.8	—	—	—	42	1
REV@	48R44™	84.1	—	—	—	32	1
Croplan	R2T4799S	83.3	61.5	64.7	—	31	1
Delta Grow	DG 4755 RR2	83.2	63.7	—	—	32	1
Progeny	P4710RY	81.6	58.8	63.0	—	31	1
NK Brand	S47-N3	80.1	—	—	—	31	1
Dyna-Gro	S47RY13	78.6	62.9	—	—	32	1
Hornbeck	HBK RY4721	78.5	58.2	61.9	—	36	1
REV@	49R22™	78.1	56.8	58.8	—	36	1
Delta Grow	DG 4825 RR2/STS	78.0	58.3	—	—	25	1
REV@	48R33™	77.1	57.7	61.0	—	31	1
USG	74H92R	75.6	—	—	—	29	1
Delta Grow	DG 4970RR	74.6	52.4	56.2	—	35	1
MPG	MPG 4714	73.2	—	—	—	38	1
Schillinger	478.RCS	72.6	52.8	—	—	31	1
REV@	48R22™	71.9	52.8	56.0	—	25	1
Schillinger	4712R2	69.7	—	—	—	22	1
Delta Grow	DG 4880RR	65.7	51.4	57.1	—	29	1
Mean		85.2					
LSD		9.5					
Error df		106.0					
CV		8.2					
R-sq		60.6					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ²	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg. ¹			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV@	48R33™	64.4	52.2	—	—	25	1
Asgrow	AG 4832	59.6	51.1	—	—	28	1
Progeny	P4900RY	58.4	57.4	—	—	23	1
Morsoy Xtra	47X12	55.1	47.5	—	—	22	1
Asgrow	AG 4933	54.0	44.1	—	—	25	1
Asgrow	AG4934	53.2	—	—	—	24	1
AGS	AGS 47R212	50.2	46.1	—	—	22	1
Mycogen	5N478R2	49.6	—	—	—	26	1
Schillinger	478.RCS	47.4	41.0	—	—	19	1
USG	74H92R	44.3	—	—	—	20	1
Delta Grow	DG 4755 RR2	44.1	44.5	—	—	21	1
Great Heart Seed	GT476R2	43.2	—	—	—	25	1
Steyer	4701R2	42.3	—	—	—	23	1
Great Heart Seed	GX4798R2	42.1	—	—	—	22	1
Progeny	P4710RY	42.0	41.3	—	—	25	1
REV@	47R34™	42.0	—	—	—	28	1
REV@	48R22™	41.7	39.6	—	—	20	1
Delta Grow	DG 4765 R2Y/STS	41.5	43.0	—	—	21	1
Dyna-Gro	S48RS53	41.4	40.5	—	—	21	1
USG	74A92R	40.9	—	—	—	25	1
Progeny	P4747RY	40.8	43.1	—	—	25	1
Dyna-Gro	DG 37RY47	40.8	41.1	—	—	19	1
REV@	48R44™	40.2	—	—	—	18	1
Armor	47-R13	40.0	40.3	—	—	25	1
Schillinger	495.RC	39.8	41.8	—	—	26	1
Armor	48-R66	39.7	—	—	—	23	1
Schillinger	4990.RC	39.5	37.7	—	—	27	1
USG	74B83R	38.7	—	—	—	20	1
Armor	DK4744	38.7	41.0	—	—	19	1
Morsoy Xtra	48X02	38.6	42.8	—	—	28	1
Croplan	R2C 4752S	38.6	40.0	—	—	26	1
REV@	47R53™	38.3	42.7	—	—	24	1
Delta Grow	DG 4825 RR2/STS	37.9	45.5	—	—	18	1
Croplan	R2T4799S	37.7	41.6	—	—	20	1
REV@	49R94™	37.3	—	—	—	23	1
Dyna-Gro	S47RY13	36.7	41.1	—	—	22	1
Pioneer	P47T36R	36.4	—	—	—	22	1
Armor	49-R56	35.6	42.5	—	—	22	1
Pioneer	P49T80R	35.4	—	—	—	21	1
Schillinger	4712R2	35.3	—	—	—	24	1
MPG	MPG 4714	35.0	—	—	—	23	1
NK Brand	S47-N3	34.8	—	—	—	21	1
NK Brand	S49-F8	34.7	34.5	—	—	25	1
Pioneer	P49T97R	34.2	—	—	—	22	1
Pioneer	P48T53R	34.1	—	—	—	21	1
Morsoy Xtra	49X14	33.7	—	—	—	26	1
Progeny	P4850RY	33.3	37.8	—	—	27	1
REV@	49R22™	32.6	33.0	—	—	26	1
Hornbeck	HBK RY4721	32.2	36.0	—	—	25	1
Delta Grow	DG 4925 RR2	31.3	38.7	—	—	20	1
AgBorn	ABX 2499	30.4	—	—	—	28	1
Delta Grow	DG4940RR	30.4	—	—	—	23	1
Delta Grow	DG 4970RR	29.4	33.4	—	—	25	1
Delta Grow	DG 4880RR	27.5	32.1	—	—	26	1
Mean		40.3					
LSD		10.2					
Error df		106.0					
CV		18.6					
R-sq		62.2					

¹No 3-year average.

²No 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
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	S54RY43	96.5	73.4	—	—	27	1
Armor	X1312	94.9	67.9	—	—	31	1
Delta Grow	DG 5480RR2	94.6	—	—	—	24	1
Armor	X1414	94.5	—	—	—	24	1
REV@	56R63™	93.5	72.8	68.0	—	32	1
Croplan	R2C5371	92.4	69.7	—	—	26	1
Asgrow	AG 5534	91.5	—	—	—	25	1
Progeny	P5555RY	91.0	—	—	—	28	1
Dyna-Gro	S56RY84	90.4	—	—	—	30	1
Asgrow	AG5233	90.4	66.2	—	—	34	1
Progeny	P5333RY	90.1	—	—	—	23	1
Asgrow	AG5332	89.5	65.6	65.2	—	32	1
Delta Grow	DG 5575RR2	89.4	—	—	—	25	1
Pioneer	P50T64R	89.3	—	—	—	31	1
Armor	53-R16	88.9	69.0	—	—	22	1
Pioneer	P54T94R	88.7	—	—	—	20	1
REV@	55R53™	88.5	67.6	—	—	21	1
Dyna-Gro	32RY55	88.2	67.0	63.2	—	26	1
Delta Grow	DG 5475RR2	88.1	67.7	—	—	24	1
REV@	52R74™	87.9	—	—	—	31	1
Asgrow	AG 5634	87.6	—	—	—	29	1
Croplan	R2C 5081	86.8	65.8	—	—	23	1
Armor	X1410	86.5	—	—	—	35	1
Delta Grow	DG 5125RR2	86.1	—	—	—	24	1
Hornbeck	HBK RY5221	85.9	61.2	60.5	—	37	1
REV@	54R84™	85.8	64.3	—	—	18	1
Dyna-Gro	S53RY23	85.8	64.5	—	—	24	1
Armor	X1413	85.6	—	—	—	38	1
Univ. of Missouri	S09-6201R	85.0	—	—	—	28	1
Progeny	P5610RY	84.6	66.3	62.9	—	22	1
Great Heart Seed	GT-500R2	84.1	62.0	—	—	22	1
REV@	51R53™	83.9	63.7	63.6	—	31	1
Progeny	P5111RY	83.8	63.3	61.5	—	24	1
Hornbeck	HBK RY5421	83.6	61.5	57.2	—	25	1
NK Brand	S52-Y2	83.0	—	—	—	30	1
Progeny	P5213RY	82.9	—	—	—	38	1
Delta Grow	DG 5130RR2	82.6	—	—	—	29	1
MPG	MPG 5214	82.5	—	—	—	31	1
Pioneer	P50T40R	82.3	—	—	—	27	1
REV@	56R21™	82.0	62.8	60.1	—	27	1
Armor	55-R22	81.9	—	—	—	24	1
Steyer	5101R2	80.8	—	—	—	31	1
Schillinger	5220.RC	80.6	60.3	60.2	—	33	1
AgBorn	ABX 2105	80.5	—	—	—	35	1
Steyer	5301R2	80.4	—	—	—	37	1
Univ. of Arkansas	R04-1250RR	79.9	—	—	—	21	1
Great Heart Seed	GT-550R2	77.4	60.1	—	—	21	1
Univ. of Arkansas	R04-1268RR	76.6	54.4	—	—	26	1
Delta Grow	DG 5565RR2	76.4	—	—	—	18	1
Progeny	P5210RY	75.4	56.9	56.4	—	22	1
Armor	53-R88	69.9	51.2	52.2	—	20	1
Delta Grow	DG 5625RR2	69.3	—	—	—	18	1
Mean		85.3					
LSD (.10)		7.3					
Error df		102					
CV		6.4					
R-sq		66.1					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P5711RY	92.1	61.6	58.3	—	23	1
Dyna-Gro	39RY57	90.3	65.6	62.5	—	28	1
REV®	57R21™	90.0	—	—	—	32	1
Asgrow	AG5831	81.0	61.8	59.6	—	23	1
REV®	59R13™	80.3	61.2	—	—	24	1
Mean		86.7					
LSD (.10)		4.9					
Error df		8.0					
CV		3.8					
R-sq		83.7					
¹ No maturity dates taken.							

Location 1. MAFES Delta Branch, Stoneville (loam)

Location Summary

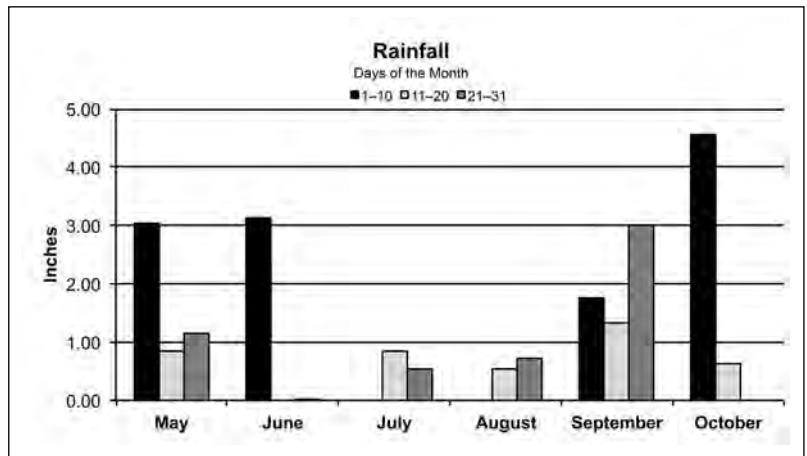
Soybean plots were planted into soil with good soil moisture. The plots quickly emerged to a good stand. Timely rains and furrow irrigation maintained good soil moisture

throughout the growing season, resulting in excellent yields. Harvest was completed in a timely manner without weather delays.

Soil type	Dundee silty clay loam
Soil pH	6.8
Soil fertility	P=H K=H
Irrigation dates	June 20, July 3, July 24, August 5, August 20
Herbicide application	Preemergence – Authority MTZ @ 12 oz/A, Dual II Magnum @ 16 oz/A, and Roundup Powermax @ 24 oz/A on April 30 Postemergence – Roundup Powermax @ 22 oz/A, Dual II Magnum @ 16 oz/A, and Firstrate @ 0.6 oz/A on June 27
Fungicide application	Quilt @ 8 oz/A on July 10.
Insecticide	Mustang Max @ 4 oz/A
Previous crop	Soybeans
Planting date	April 30
Harvest date	October 4

Rainfall Summary

	Inches
May	5.03
June	3.13
July	1.37
August	1.27
September	6.09
October	5.20
Total	22.09



Note: Varieties in the following tables with names in bold type are experimental.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	31RY45	108.2	90.0	83.5	—	37	1
Mycogen	5N451R2	108.0	—	—	—	39	2
AGS	AGS 45R212	107.0	87.9	—	—	37	2
Delta Grow	4670RR2	106.2	88.0	83.2	—	37	1
Asgrow	AG 4533	105.4	88.4	—	—	35	2
Asgrow	AG4632	105.1	87.3	82.5	—	36	1
Progeny	P4211RY	105.0	87.2	85.1	—	34	1
Morsoy	EXP 44	104.9	—	—	—	32	1
Asgrow	AG 4433	104.6	87.1	—	—	41	1
Pioneer	P46T21R	104.5	—	—	—	38	1
Dyna-Gro	39RY43	104.4	88.0	—	—	33	1
NK Brand	S46-G9	103.2	—	—	—	38	2
Armor	X1404	103.0	—	—	—	42	2
Asgrow	AG 4232	102.5	84.0	—	—	35	1
AGS	AGS 43R212	101.8	84.3	—	—	40	2
Morsoy Xtra	46X29	101.8	83.6	79.8	—	38	1
Steyer	4301R2	101.7	—	—	—	38	1
Armor	X1401	101.6	—	—	—	29	1
Progeny	P4613RY	101.5	—	—	—	38	1
NK Brand	S46-L2	101.2	—	—	—	38	2
Hornbeck	HBK RY4620	100.9	84.3	78.8	—	34	1
Armor	44-R08	100.9	85.2	—	—	35	2
Progeny	P4313RY	100.7	—	—	—	33	1
Progeny	P4510RY	100.5	83.7	79.7	—	37	1
REV@	46R64™	100.4	—	—	—	31	1
Mycogen	5N423R2	100.0	—	—	—	31	1
NK Brand	S44-D5	99.4	79.3	79.3	—	36	1
Asgrow	AG 4633	99.1	80.7	—	—	32	1
Asgrow	AG4531	98.6	82.3	76.7	—	38	1
Morsoy	44x82	98.4	81.9	—	—	38	1
Dyna-Gro	S44RS93	98.3	80.3	—	—	31	1
Croplan	R2C 4541	98.0	83.8	—	—	34	1
AgBorn	ABX 27041	97.5	—	—	—	44	1
Schillinger	458.RCS	96.7	—	—	—	39	1
Mycogen	5N431R2	96.3	—	—	—	32	1
USG	74F53R	94.1	—	—	—	38	1
REV@	46R73™	93.4	—	—	—	41	1
Armor	X1406	91.1	—	—	—	41	1
MPG	MPG 4514NS	90.4	—	—	—	37	2
AgBorn	ABX 2164	87.9	—	—	—	33	1
Mean		100.6					
LSD		7.0					
Error df		78.0					
CV		5.2					
R-sq		56.0					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG4934	109.2	—	—	—	40	1
Progeny	P4900RY	108.9	87.0	—	—	32	1
Armor	49-R56	105.2	87.6	—	—	39	1
Mycogen	5N478R2	104.3	—	—	—	50	2
NK Brand	S49-F8	104.1	81.7	—	—	38	1
AGS	AGS 47R212	104.1	82.4	—	—	37	1
USG	74B83R	104.0	—	—	—	34	1

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV@	47R34™	103.8	—	—	—	50	2
Pioneer	P49T80R	103.7	—	—	—	43	1
Armor	48-R66	103.3	—	—	—	39	1
REV@	48R44™	102.8	—	—	—	40	1
Delta Grow	DG 4765 R2Y/STS	102.0	81.3	—	—	39	1
Steyer	4701R2	101.9	—	—	—	33	1
Morsoy Xtra	49X14	101.7	—	—	—	44	1
Pioneer	P48T53R	101.3	—	—	—	39	1
Delta Grow	DG 4825 RR2/STS	101.2	81.3	—	—	32	1
Pioneer	P47T36R	100.9	—	—	—	35	1
Hornbeck	HBK RY4721	100.7	79.9	74.7	—	51	2
REV@	49R94™	100.6	—	—	—	39	2
Asgrow	AG 4933	100.5	81.3	—	—	42	1
Morsoy Xtra	48X02	100.0	86.9	—	—	42	2
Progeny	P4747RY	99.7	84.7	—	—	41	2
Croplan	R2C 4752S	98.7	80.0	—	—	39	1
Great Heart Seed	GT476R2	98.7	—	—	—	42	2
Asgrow	AG 4832	98.1	79.6	73.7	—	44	2
REV@	48R33™	97.8	80.0	75.2	—	40	2
Progeny	P4850RY	97.8	80.1	—	—	40	1
Delta Grow	DG 4925 RR2	97.7	80.1	—	—	42	1
USG	74A92R	97.3	—	—	—	42	1
Morsoy Xtra	47X12	97.2	78.4	—	—	42	1
Dyna-Gro	S47RY13	95.9	82.1	—	—	42	1
Dyna-Gro	DG 37RY47	95.8	79.6	—	—	35	1
Pioneer	P49T97R	94.7	—	—	—	36	1
Schillinger	4990.RC	94.4	73.8	—	—	41	2
Croplan	R2T4799S	93.8	77.9	73.4	—	37	1
REV@	48R22™	93.6	74.2	69.5	—	37	2
Delta Grow	DG 4880RR	93.0	76.9	73.1	—	33	2
Schillinger	478.RCS	92.5	74.7	—	—	40	1
NK Brand	S47-N3	92.2	—	—	—	36	1
Dyna-Gro	S48RS53	92.1	74.9	—	—	43	1
Armor	DK4744	91.3	78.0	—	—	37	1
Armor	47-R13	91.0	75.9	—	—	44	1
Great Heart Seed	GX4798R2	90.7	—	—	—	37	1
REV@	49R22™	90.6	71.7	66.1	—	45	2
Delta Grow	DG 4970RR	90.3	74.7	68.9	—	40	3
AgBorn	ABX 2499	90.3	—	—	—	49	1
Progeny	P4710RY	89.3	72.7	68.7	—	43	1
USG	74H92R	89.1	—	—	—	34	2
Delta Grow	DG4940RR	88.3	—	—	—	44	2
Delta Grow	DG 4755 RR2	88.3	76.0	—	—	39	2
REV@	47R53™	87.2	71.4	67.2	—	39	3
Schillinger	495.RC	86.7	71.4	67.7	—	46	4
MPG	MPG 4714	84.4	—	—	—	48	3
Schillinger	4712R2	82.1	—	—	—	37	2
Mean		96.7					
LSD		6.2					
Error df		106.0					
CV		4.7					
R-sq		74.6					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG5332	107.5	81.4	76.2	—	36	1
Asgrow	AG5233	106.5	85.1	—	—	42	1
Steyer	5101R2	103.0	—	—	—	45	1
Delta Grow	DG 5130RR2	100.7	—	—	—	43	1
Armor	X1413	100.5	—	—	—	50	1
REV@	52R74™	99.5	—	—	—	35	1
Progeny	P5333RY	99.4	—	—	—	27	1
Delta Grow	DG 5480RR2	99.4	—	—	—	32	2
REV@	51R53™	99.2	80.4	74.3	—	36	1
Pioneer	P50T40R	98.9	—	—	—	33	1
Pioneer	P50T64R	96.6	—	—	—	37	1
REV@	55R53™	95.5	77.0	—	—	28	1
Steyer	5301R2	95.1	—	—	—	44	1
Armor	X1414	94.9	—	—	—	27	1
Delta Grow	DG 5125RR2	94.4	—	—	—	31	1
Progeny	P5555RY	94.1	—	—	—	33	1
Armor	X1312	92.5	76.2	—	—	38	2
Univ. of Missouri	S09-6201R	92.2	—	—	—	35	1
Asgrow	AG 5634	92.0	—	—	—	33	1
Croplan	R2C5371	91.9	73.9	—	—	30	1
Hornbeck	HBK RY5221	91.9	75.0	68.0	—	45	2
Delta Grow	DG 5575RR2	91.8	—	—	—	31	1
Schillinger	5220.FC	91.6	71.8	65.9	—	42	1
Progeny	P5213RY	91.4	—	—	—	48	1
REV@	56R63™	90.9	73.0	69.1	—	31	1
Dyna-Gro	S56RY84	90.8	—	—	—	37	1
NK Brand	S52-Y2	90.5	—	—	—	40	1
Progeny	P5210RY	90.3	73.0	68.4	—	31	1
Dyna-Gro	S54RY43	89.2	73.7	—	—	33	1
Delta Grow	DG 5475RR2	88.9	75.1	—	—	32	4
Great Heart Seed	GT-500R2	88.8	77.5	—	—	38	1
Progeny	P5111RY	88.8	74.0	70.9	—	36	1
Armor	53-R16	88.7	71.9	—	—	29	1
Pioneer	P54T94R	88.1	—	—	—	27	1
REV@	54R84™	87.9	71.3	—	—	26	1
AgBorn	ABX 2105	87.4	—	—	—	38	1
Armor	X1410	87.4	—	—	—	38	2
Croplan	R2C 5081	86.8	72.2	—	—	32	1
Asgrow	AG 5534	85.8	—	—	—	25	1
MPG	MPG 5214	85.8	—	—	—	33	1
Dyna-Gro	S53RY23	84.2	72.9	—	—	26	1
Delta Grow	DG 5625RR2	82.9	—	—	—	32	1
Armor	55-R22	82.6	—	—	—	27	1
Hornbeck	HBK RY5421	82.6	69.0	64.9	—	31	1
Progeny	P5610RY	79.3	65.0	62.9	—	31	1
Dyna-Gro	32RY55	78.9	66.1	62.8	—	37	1
REV@	56R21™	78.2	64.3	63.4	—	30	1
Armor	53-R88	77.5	63.1	59.7	—	26	1
Univ. of Arkansas	R04-1268RR	73.7	59.7	—	—	33	1
Delta Grow	DG 5565RR2	73.5	—	—	—	28	1
Univ. of Arkansas	R04-1250RR	72.8	—	—	—	39	1
Great Heart Seed	GT-550R2	66.0	58.1	—	—	34	1
Mean		89.8					
LSD (.10)		6.5					
Error df		102					
CV		5.4					
R-sq		82.8					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV®	57R21™	92.2	—	—	—	37	1
REV®	59R13™	85.7	69.5	—	—	30	1
Progeny	P5711RY	84.1	68.0	65.5	—	24	1
Dyna-Gro	39RY57	83.2	68.7	63.4	—	25	1
Asgrow	AG5831	73.1	61.1	58.4	—	27	1
Mean		83.6					
LSD (.10)		7.0					
Error df		8.0					
CV		5.5					
R-sq		77.3					
¹ No maturity dates taken.							

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

Location Summary

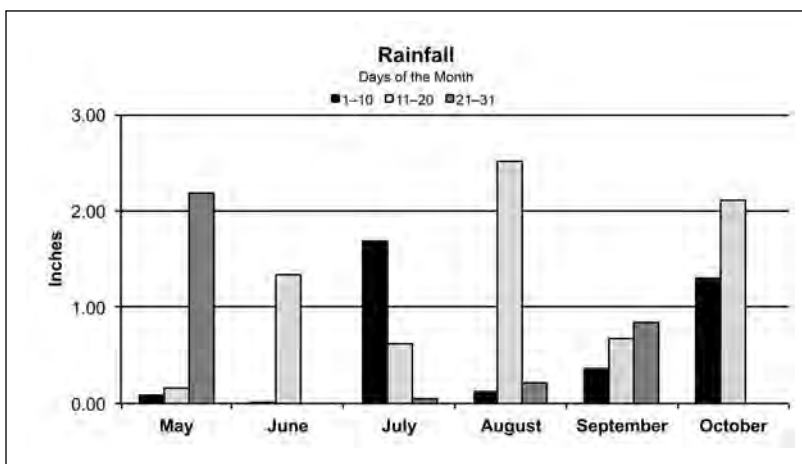
Soybean plots were planted into soil with adequate moisture for germination. The plots quickly emerged to an acceptable stand. Irrigation during the reproductive stage

followed by heavy rainfall caused the plants to stress due to a supersaturated soil profile, resulting in below-average yields. Harvest was completed without any weather delays.

Soil type	Forest dale silt loam
Soil pH	7.1
Soil fertility	P=M; K=M
Irrigation	Furrow irrigated, as needed
Herbicide applications	Preemergence — 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 and Firstrate @ 0.3 oz/A on August 2
Previous crop	Rice
Planting date	May 15
Harvest date	October 14

Rainfall Summary

	Inches
May	2.43
June	1.35
July	2.34
August	2.85
September	1.87
October	3.41
Total	14.25



Note: Varieties in the following tables with names in bold type are experimental.

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Mycogen	5N451R2	63.1	—	—	9/26	26	1
Asgrow	AG4632	62.4	66.3	68.2	9/28	26	1
NK Brand	S46-L2	60.5	—	—	9/24	24	1
Morsoy Xtra	46X29	57.7	57.9	61.8	9/28	24	1
Asgrow	AG4531	57.4	57.8	63.1	9/27	24	1
AGS	AGS 45R212	56.5	56.5	—	9/29	25	1
Morsoy	EXP 44	56.0	—	—	9/29	23	1
Armor	X1404	54.7	—	—	9/29	23	1
REV@	46R73™	54.6	—	—	9/19	26	1
Delta Grow	4670RR2	53.7	61.1	64.1	9/24	25	1
Hornbeck	HBK RY4620	53.5	58.9	60.5	9/28	21	1
Croplan	R2C 4541	53.1	60.1	—	9/27	20	1
Dyna-Gro	31RY45	52.5	56.7	59.4	9/27	26	1
Asgrow	AG 4433	52.1	53.6	—	9/29	25	1
USG	74F53R	51.3	—	—	9/24	21	1
Steyer	4301R2	51.1	—	—	9/24	25	1
Progeny	P4510RY	50.1	55.8	60.6	9/25	24	1
Armor	X1406	49.5	—	—	9/23	29	1
REV@	46R64™	49.4	—	—	9/24	26	1
Dyna-Gro	39RY43	48.4	52.8	—	9/24	22	1
Dyna-Gro	S44RS93	48.4	54.5	—	9/24	20	1
Asgrow	AG 4533	47.9	51.8	—	9/23	23	1
Morsoy	44x82	47.8	54.2	—	9/23	27	1
AGS	AGS 43R212	45.1	53.3	—	9/27	24	1
Progeny	P4211RY	44.6	51.9	57.7	9/24	20	1
MPG	MPG 4514NS	44.4	—	—	9/25	25	1
Mycogen	5N431R2	44.3	—	—	9/24	24	1
Asgrow	AG 4633	41.9	51.3	—	9/20	20	1
Pioneer	P46T21R	41.5	—	—	9/24	24	1
NK Brand	S46-G9	39.3	—	—	9/23	20	1
Progeny	P4313RY	39.2	—	—	9/27	27	1
Asgrow	AG 4232	39.0	50.0	—	9/19	26	1
AgBorn	ABX 2164	36.9	—	—	9/24	18	1
Armor	44-R08	35.5	47.6	—	9/28	22	1
AgBorn	ABX 27041	34.3	—	—	9/19	27	1
NK Brand	S44-D5	33.5	48.1	54.2	9/19	22	1
Armor	X1401	32.7	—	—	9/22	19	1
Progeny	P4613RY	32.1	—	—	9/28	23	1
Schillinger	458.RCS	29.8	—	—	9/28	19	1
Mycogen	5N423R2	24.8	—	—	9/24	21	1
Mean		46.8					
LSD		7.6					
Error df		78.0					
CV		12.0					
R-sq		82.0					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Armor	49-R56	73.9	72.2	—	10/3	24	1
Schillinger	495.RC	73.7	65.5	64.6	10/3	30	1
Armor	48-R66	73.2	—	—	10/2	24	1
Morsoy Xtra	48X02	71.4	65.6	—	9/28	30	1
Dyna-Gro	DG 37RY47	70.9	65.7	—	9/29	26	1
REV@	47R34™	70.2	—	—	9/24	30	1
USG	74A92R	69.1	—	—	10/1	28	1
Croplan	R2C 4752S	68.9	71.1	—	10/1	30	1
USG	74B83R	67.5	—	—	9/28	26	1

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Morsoy Xtra	47X12	67.4	71.7	—	9/29	29	1
Dyna-Gro	S48RS53	67.0	71.0	—	9/28	25	1
REV@	47R53™	66.7	65.1	66.4	9/27	24	1
Progeny	P4900RY	66.1	67.2	—	10/2	24	1
Schillinger	4990.RC	65.7	63.6	—	10/3	26	1
Asgrow	AG4934	65.2	—	—	9/30	28	1
Progeny	P4850RY	65.1	65.3	—	10/2	28	1
Delta Grow	DG 4925 RR2	64.8	60.7	—	9/30	21	1
Pioneer	P49T97R	63.0	—	—	9/29	25	1
REV@	48R44™	62.3	—	—	9/28	24	1
AGS	AGS 47R212	62.3	63.4	—	9/25	27	1
Mycogen	5N478R2	62.1	—	—	9/28	24	1
Asgrow	AG 4933	61.9	66.0	—	9/29	27	1
Pioneer	P47T36R	61.9	—	—	9/27	30	1
Progeny	P4710RY	61.6	65.8	64.9	10/1	22	1
NK Brand	S47-N3	61.1	—	—	9/24	26	1
Armor	47-R13	60.9	65.2	—	9/30	23	1
Progeny	P4747RY	60.9	61.7	—	9/30	26	1
Great Heart Seed	GT476R2	60.2	—	—	10/1	26	1
Hornbeck	HBK RY4721	59.8	61.3	62.3	9/29	24	1
Armor	DK4744	59.4	63.7	—	9/28	24	1
Schillinger	478.RCS	59.3	59.1	—	9/28	25	1
Pioneer	P49T80R	59.2	—	—	9/26	27	1
Asgrow	AG 4832	59.1	66.3	66.1	9/30	26	1
USG	74H92R	59.0	—	—	9/30	25	1
Delta Grow	DG 4755 RR2	57.9	56.7	—	9/28	23	1
NK Brand	S49-F8	57.7	63.3	—	10/2	25	1
Croplan	R2T4799S	57.5	64.1	66.7	9/27	29	1
Morsoy Xtra	49X14	57.4	—	—	10/1	23	1
MPG	MPG 4714	56.6	—	—	9/27	23	1
Pioneer	P48T53R	56.5	—	—	9/26	22	1
Delta Grow	DG 4765 R2Y/STS	56.3	54.5	—	9/29	25	1
REV@	48R22™	56.3	57.0	58.8	9/28	23	1
Delta Grow	DG 4825 RR2/STS	55.9	58.3	—	9/29	29	1
REV@	49R94™	55.4	—	—	9/28	30	1
REV@	49R22™	55.4	54.8	55.8	9/28	26	1
Steyer	4701R2	53.9	—	—	9/28	25	1
Great Heart Seed	GX4798R2	52.0	—	—	10/1	20	1
Delta Grow	DG4940RR	51.3	—	—	10/2	21	1
AgBorn	ABX 2499	49.8	—	—	9/29	27	1
Dyna-Gro	S47RY13	49.6	57.1	—	9/28	23	1
REV@	48R33™	47.2	50.3	55.5	9/27	25	1
Schillinger	4712R2	41.8	—	—	9/24	29	1
Delta Grow	DG 4970RR	40.4	50.1	54.6	9/30	23	1
Delta Grow	DG 4880RR	39.0	53.1	57.2	10/1	24	1
Mean		60.3					
LSD		10.4					
Error df		106.0					
CV		12.8					
R-sq		64.4					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Armor	X1312	83.3	73.8	—	10/3	34	1
Progeny	P5555RY	77.0	—	—	10/6	31	1
REV@	54R84™	76.3	68.4	—	10/5	19	1
Dyna-Gro	32RY55	76.3	69.8	68.6	10/5	20	1
Delta Grow	DG 5575RR2	75.8	—	—	10/5	25	1
Dyna-Gro	S54RY43	75.5	70.5	—	10/6	24	1
Asgrow	AG5332	75.1	67.2	66.2	10/3	30	1
Hornbeck	HBK RY5421	74.0	68.9	66.4	10/2	26	1
NK Brand	S52-Y2	73.8	—	—	9/30	30	1
Dyna-Gro	S56RY84	73.8	—	—	10/6	21	1
Asgrow	AG 5634	73.7	—	—	10/4	32	1
Pioneer	P50T64R	73.7	—	—	9/26	28	1
Asgrow	AG5233	73.0	67.0	—	10/1	30	1
Croplan	R2C 5081	72.9	68.7	—	10/3	23	1
Croplan	R2C5371	72.2	72.3	—	10/4	22	1
REV@	56R63™	70.9	65.3	64.3	10/5	24	1
REV@	55R53™	70.3	68.1	—	10/4	19	1
Steyer	5101R2	70.0	—	—	10/2	31	1
Hornbeck	HBK RY5221	69.3	64.8	63.9	9/30	30	1
Delta Grow	DG 5125RR2	68.7	—	—	10/3	24	1
Progeny	P5213RY	68.6	—	—	10/2	33	1
Pioneer	P54T94R	66.9	—	—	10/3	20	1
Progeny	P5210RY	66.7	60.1	58.8	10/3	18	1
Progeny	P5610RY	66.7	65.2	64.4	10/5	20	1
Asgrow	AG 5534	66.6	—	—	10/5	24	1
Great Heart Seed	GT-500R2	66.5	64.9	—	9/30	24	1
Dyna-Gro	S53RY23	66.5	61.9	—	10/3	23	1
Armor	55-R22	66.4	—	—	10/4	21	1
Steyer	5301R2	66.1	—	—	10/3	34	1
Armor	X1413	65.7	—	—	9/29	30	1
Great Heart Seed	GT-550R2	64.9	64.2	—	10/1	20	1
Univ. of Arkansas	R04-1268RR	63.4	58.9	—	10/3	22	1
Armor	53-R88	63.2	59.6	60.2	10/4	22	1
Schillinger	5220.RC	62.4	60.6	61.2	10/3	31	1
Armor	X1414	62.4	—	—	10/5	18	1
Armor	X1410	62.2	—	—	10/1	22	1
REV@	51R53™	62.1	61.5	61.8	10/1	29	1
Progeny	P5333RY	62.0	—	—	10/3	22	1
Delta Grow	DG 5480RR2	61.7	—	—	10/3	18	1
Pioneer	P50T40R	60.9	—	—	9/27	23	1
Armor	53-R16	60.4	64.1	—	10/4	16	1
Univ. of Missouri	S09-6201R	60.3	—	—	9/29	29	1
REV@	52R74™	60.2	—	—	9/28	30	1
Delta Grow	DG 5625RR2	59.7	—	—	10/6	20	1
Univ. of Arkansas	R04-1250RR	59.0	—	—	10/2	18	1
Delta Grow	DG 5130RR2	58.4	—	—	10/3	31	1
Delta Grow	DG 5565RR2	56.9	—	—	10/5	17	1
Progeny	P5111RY	56.5	59.0	57.7	10/5	17	1
AgBorn	ABX 2105	56.5	—	—	9/27	24	1
REV@	56R21™	55.4	61.0	61.1	10/6	25	1
Delta Grow	DG 5475RR2	51.7	57.4	—	10/7	21	1
MPG	MPG 5214	50.8	—	—	10/2	20	1
Mean		66.4					
LSD (.10)		8.3					
Error df		102					
CV		9.2					
R-sq		68.2					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	39RY57	71.4	70.2	69.8	10/7	21	1
REV®	57R21™	67.2	—	—	10/7	25	1
Progeny	P5711RY	67.0	66.2	65.8	10/6	22	1
Asgrow	AG5831	64.2	61.1	61.8	10/7	23	1
REV®	59R13™	54.7	58.6	—	10/6	17	1
Mean		64.8					
LSD (.10)		3.2					
Error df		8.0					
CV		3.3					
R-sq		95.0					

Location 2. Mattson Farms, Clarksdale (Nonirrigated)

Location Summary

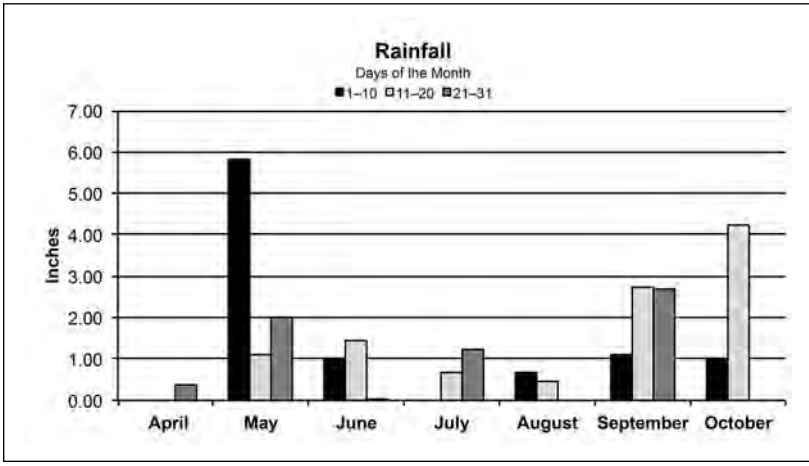
Soybean plots were planted into freshly prepared soil with adequate moisture for germination. The plots quickly emerged to a good stand. Timely rainfall allowed for good

soil moisture to be maintained throughout the growing season. Harvest was completed without any difficulties.

Soil type	Silt loam
Soil pH	5.4
Soil fertility	P=H; K=H
Herbicide applications	Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 24 oz/A, and Roundup Powermax @ 24 oz/A on April 26 Postemergence — Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A on July 3 and July 25
Previous crop	Soybeans
Planting date	April 27
Harvest date	October 4

Rainfall Summary

	Inches
April	0.38
May	8.87
June	2.47
July	1.91
August	1.13
September	6.50
October	5.20
Total	26.46



Note: Varieties in the following tables with names in bold type are experimental.

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Hornbeck	HBK RY4620	72.3	69.6	63.4	9/14	34	1
Croplan	R2C 4541	72.1	66.7	55.9	9/10	33	1
Dyna-Gro	39RY43	71.5	55.5	—	9/10	30	1
Asgrow	AG4632	70.8	62.0	63.8	9/15	31	1
AGS	AGS 45R212	69.9	53.6	—	9/16	32	1
Morsoy Xtra	46X29	68.5	61.1	65.2	9/15	23	1
Asgrow	AG 4433	67.6	56.3	—	9/14	26	1
MPG	MPG 4514NS	67.5	—	—	9/10	26	1
NK Brand	S46-G9	67.0	—	—	9/10	28	1
Dyna-Gro	31RY45	66.3	69.7	—	9/15	34	1
Progeny	P4613RY	66.3	—	—	9/16	23	1
Mycogen	5N451R2	65.4	—	—	9/14	24	1
Pioneer	P46T21R	63.4	—	—	9/14	27	1
Asgrow	AG4531	63.0	52.5	61.4	9/14	31	1
Progeny	P4211RY	62.8	50.2	61.8	9/12	25	1
Asgrow	AG 4533	62.8	62.2	—	9/12	30	1
Progeny	P4510RY	62.5	61.9	59.7	9/17	26	1
Armor	44-R08	62.1	59.1	—	9/17	34	1
Armor	X1404	61.9	—	—	9/17	24	1
Asgrow	AG 4232	61.5	71.4	—	9/10	37	1
Schillinger	458.RCS	61.2	—	—	9/16	23	1
Mycogen	5N431R2	61.1	—	—	9/17	26	1
Progeny	P4313RY	60.7	—	—	9/17	27	1
AgBorn	ABX 2164	60.5	—	—	9/12	33	1
Armor	X1406	59.5	—	—	9/11	27	1
Asgrow	AG 4633	58.9	54.6	—	9/10	24	1
Mycogen	5N423R2	57.3	—	—	9/13	22	1
NK Brand	S46-L2	55.5	—	—	9/14	31	1
Morsoy	EXP 44	55.5	—	—	9/15	24	1
AGS	AGS 43R212	55.0	57.2	—	9/13	32	1
REV®	46R73™	54.2	—	—	9/11	32	1
REV®	46R64™	53.7	—	—	9/16	26	1
Armor	X1401	53.2	—	—	9/12	23	1
Steyer	4301R2	52.2	—	—	9/12	27	1
Dyna-Gro	S44RS93	50.4	65.3	—	9/14	22	1
AgBorn	ABX 27041	50.4	—	—	9/10	38	1
Morsoy	44x82	50.4	58.8	—	9/17	25	1
USG	74F53R	50.3	—	—	9/9	33	1
Delta Grow	4670RR2	47.5	66.0	61.7	9/17	33	1
NK Brand	S44-D5	41.7	50.3	54.0	9/10	31	1
Mean		60.0					
LSD		10.8					
Error df		78.0					
CV		13.0					
R-sq		59.2					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Great Heart Seed	GT476R2	85.8	—	—	9/18	29	1
Progeny	P4747RY	84.1	74.6	—	9/18	34	1
Morsoy Xtra	48X02	78.2	68.1	—	9/18	34	1
Pioneer	P49T97R	76.6	—	—	9/18	26	1
REV@	47R53™	76.3	67.3	65.4	9/18	31	1
USG	74B83R	76.0	—	—	9/19	27	1
Asgrow	AG 4832	75.6	71.5	67.6	9/19	42	1
REV@	47R34™	73.9	—	—	9/11	20	1
Great Heart Seed	GX4798R2	73.2	—	—	9/19	27	1
MPG	MPG 4714	73.1	—	—	9/12	35	1
Armor	48-R66	71.9	—	—	9/19	27	1
USG	74A92R	71.8	—	—	9/19	31	1
Schillinger	4712R2	71.2	—	—	9/18	29	1
Progeny	P4710RY	70.2	66.4	64.1	9/16	27	1
Pioneer	P49T80R	69.2	—	—	9/18	28	1
Schillinger	495.RC	69.1	66.5	64.2	9/18	37	1
Progeny	P4850RY	68.8	59.1	9/15	39	1	1
Delta Grow	DG 4880RR	68.5	57.4	60.5	9/18	28	1
REV@	49R94™	68.5	—	—	9/19	28	1
Armor	47-R13	67.4	63.8	—	9/14	24	1
AgBorn	ABX 2499	67.3	—	—	9/18	31	1
Dyna-Gro	DG 37RY47	67.2	58.1	—	9/16	25	1
AGS	AGS 47R212	66.9	58.8	—	9/16	28	1
Asgrow	AG 4933	66.9	61.6	—	9/16	37	1
Morsoy Xtra	49X14	66.8	—	—	9/18	37	1
Armor	DK4744	66.6	64.2	—	9/18	29	1
Croplan	R2C 4752S	66.4	68.0	—	9/14	31	1
Delta Grow	DG 4755 RR2	66.0	61.5	—	9/18	28	1
Hornbeck	HBK RY4721	65.9	51.4	55.0	9/13	34	1
REV@	48R33™	65.8	64.2	65.5	9/19	27	1
Asgrow	AG4934	65.7	—	—	9/17	29	1
Schillinger	478.RCS	65.6	55.7	—	9/16	24	1
REV@	48R44™	64.2	—	—	9/19	24	1
Dyna-Gro	S47RY13	63.9	61.9	—	9/15	34	1
REV@	48R22™	63.8	61.7	61.7	9/17	30	1
Armor	49-R56	63.4	58.8	—	9/18	26	1
Pioneer	P48T53R	63.1	—	—	9/18	27	1
Delta Grow	DG 4825 RR2/STS	62.7	52.5	—	9/19	22	1
Delta Grow	DG 4765 R2Y/STS	62.2	65.0	—	9/16	24	1
Croplan	R2T4799S	61.8	62.9	64.4	9/17	26	1
Delta Grow	DG 4925 RR2	61.3	59.9	—	9/19	26	1
Delta Grow	DG4940RR	61.1	—	—	9/17	22	1
Steyer	4701R2	60.7	—	—	9/12	21	1
Mycogen	5N478R2	59.5	—	—	9/12	28	1
REV@	49R22™	58.8	53.8	55.9	9/17	34	1
USG	74H92R	58.7	—	—	9/16	29	1
Dyna-Gro	S48RS53	58.1	60.4	—	9/13	28	1
Pioneer	P47T36R	58.1	—	—	9/18	27	1
Progeny	P4900RY	57.3	58.3	—	9/19	27	1
Morsoy Xtra	47X12	56.6	58.7	—	9/15	32	1
Delta Grow	DG 4970RR	56.2	55.1	57.9	9/19	29	1
NK Brand	S47-N3	55.4	—	—	9/16	23	1
Schillinger	4990.RC	52.3	48.7	—	9/19	31	1
NK Brand	S49-F8	48.0	55.6	—	9/14	28	1
Mean		66.2					
LSD		11.1					
Error df		106.0					
CV		12.4					
R-sq		61.4					

Location 3. Todd Williams Farm, Olive Branch

Location Summary

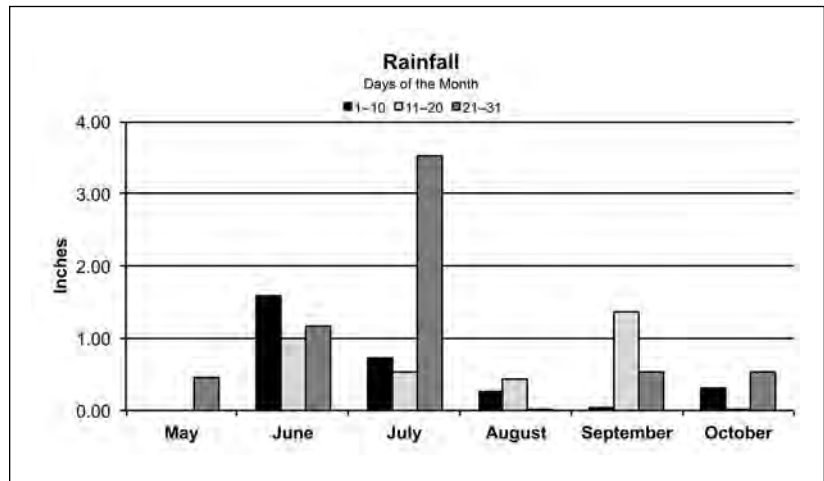
Soybean plots were planted into a well-prepared seedbed. All plots quickly emerged to a good stand. Timely rainfall throughout the growing season allowed for good

plant growth and development, resulting in good yields. Harvest was completed without any weather delays.

Soil type	Collins silt loam
Soil pH	5.7
Soil fertility	P=H K=M
Fertilizer added	Preplant — 0-40-80-15 sulfur
Herbicide application	Preplant — Authority MTZ @ 12 oz/A and Dual II Magnum @ 16 oz/A on May 30 Postemergence — Roundup Powermax @ 24 oz/A and Firstrate @ 0.3 oz/A on July 1
Previous crop	Corn
Planting date	May 30
Harvest date	Group IV Early and IV Late Roundup Ready on October 10; Group V Early and V Late Roundup Ready on October 30

Rainfall Summary

	Inches
May	0.45
June	3.76
July	4.78
August	0.73
September	1.93
October	0.84
Total	12.49



Note: Varieties in the following tables with names in bold type are experimental.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG4632	105.4	70.9	71.8	—	40	1
Progeny	P4613RY	104.3	—	—	—	36	1
Mycogen	5N451R2	102.7	—	—	—	39	1
Dyna-Gro	39RY43	102.1	65.3	—	—	36	1
Progeny	P4313RY	102.0	—	—	—	39	1
Armor	44-R08	101.9	66.1	—	—	36	1
Asgrow	AG 4633	100.9	60.7	—	—	38	1
Hornbeck	HBK RY4620	100.4	68.1	67.8	—	44	1
Progeny	P4211RY	100.4	64.8	69.0	—	36	1
Morsoy	EXP 44	99.9	—	—	—	35	1
Mycogen	5N431R2	99.3	—	—	—	35	1
Asgrow	AG 4533	98.0	67.9	—	—	41	1
Armor	X1404	97.8	—	—	—	38	1
Asgrow	AG4531	97.6	69.7	70.6	—	36	1
Croplan	R2C 4541	97.3	63.3	—	—	38	1
AGS	AGS 43R212	97.0	67.8	—	—	36	1
Dyna-Gro	S44RS93	96.3	63.6	—	—	29	1
REV@	46R64™	95.7	—	—	—	39	1
Armor	X1406	95.7	—	—	—	40	1
Morsoy Xtra	46X29	95.1	67.2	68.9	—	41	1
Progeny	P4510RY	94.7	67.2	67.0	—	37	1
Pioneer	P46T21R	94.5	—	—	—	38	1
Morsoy	44x82	94.2	63.5	—	—	34	1
NK Brand	S46-L2	94.0	—	—	—	33	1
Dyna-Gro	31RY45	94.0	62.5	66.1	—	39	1
Armor	X1401	93.9	—	—	—	37	1
MPG	MPG 4514NS	93.0	—	—	—	38	1
Asgrow	AG 4232	91.7	63.0	—	—	40	1
USG	74F53R	90.8	—	—	—	36	1
Asgrow	AG 4433	89.0	60.1	—	—	41	1
REV@	46R73™	88.6	—	—	—	40	1
NK Brand	S46-G9	88.5	—	—	—	38	1
AgBorn	ABX 2164	88.0	—	—	—	34	1
Steyer	4301R2	87.9	—	—	—	37	1
Delta Grow	4670RR2	87.9	57.6	60.8	—	41	1
AGS	AGS 45R212	86.4	57.0	—	—	36	1
NK Brand	S44-D5	85.6	59.6	62.5	—	35	1
Schillinger	458.RCS	82.4	—	—	—	37	1
AgBorn	ABX 27041	80.2	—	—	—	43	1
Mycogen	5N423R2	79.2	—	—	—	38	1
Mean		94.4					
LSD		9.5					
Error df		78					
CV		7.3					
R-sq		60					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
USG	74A92R	88.5	—	—	—	41	1
Progeny	P4850RY	88.0	54.7	—	—	43	1
Pioneer	P47T36R	87.6	—	—	—	39	1
Dyna-Gro	DG 37RY47	86.6	54.9	—	—	37	1
Croplan	R2C 4752S	85.8	54.0	—	—	42	1
Hornbeck	HBK RY4721	85.4	55.3	60.4	—	48	1
Armor	48-R66	85.0	—	—	—	36	1

¹No maturity dates taken.

Table 38 (continued). Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, Olive Branch).

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Great Heart Seed	GX4798R2	83.8	—	—	—	40	1
Pioneer	P49T80R	83.7	—	—	—	41	1
Armor	47-R13	83.7	57.2	—	—	39	1
Progeny	P4710RY	83.6	64.7	65.0	—	38	1
Morsoy Xtra	48X02	83.5	57.9	—	—	33	1
Progeny	P4900RY	82.6	55.7	—	—	36	1
NK Brand	S49-F8	82.5	59.6	—	—	40	1
Asgrow	AG 4933	82.2	53.0	—	—	43	1
Morsoy Xtra	49X14	82.1	—	—	—	41	1
Pioneer	P48T53R	82.0	—	—	—	35	1
Morsoy Xtra	47X12	81.8	55.9	—	—	41	1
Delta Grow	DG 4765 R2Y/STS	81.5	52.4	—	—	35	1
REV@	47R34™	81.4	—	—	—	41	1
Armor	49-R56	81.4	60.7	—	—	31	1
AGS	AGS 47R212	81.3	60.1	—	—	41	1
USG	74H92R	80.8	—	—	—	37	1
Asgrow	AG4934	80.7	—	—	—	41	1
Schillinger	495.RC	80.6	64.7	66.3	—	43	2
AgBorn	ABX 2499	80.4	—	—	—	41	1
Schillinger	4990.RC	80.2	60.5	—	—	40	1
Steyer	4701R2	79.5	—	—	—	34	1
Mycogen	5N478R2	79.3	—	—	—	42	1
REV@	48R33™	78.8	56.6	60.6	—	39	1
USG	74B83R	78.5	—	—	—	36	1
Great Heart Seed	GT476R2	78.1	—	—	—	41	1
Armor	DK4744	77.4	54.6	—	—	37	1
Schillinger	478.RCS	77.1	52.4	—	—	41	1
REV@	48R44™	77.1	—	—	—	37	1
REV@	47R53™	76.5	52.6	57.8	—	36	1
REV@	49R94™	76.4	—	—	—	40	2
Croplan	R2T4799S	76.3	56.0	59.8	—	37	1
Delta Grow	DG 4825 RR2/STS	75.9	59.9	—	—	38	1
Asgrow	AG 4832	75.4	50.5	55.7	—	44	1
Pioneer	P49T97R	74.8	—	—	—	37	1
Progeny	P4747RY	74.6	52.2	—	—	42	1
Delta Grow	DG 4880RR	73.8	59.5	60.8	—	39	1
REV@	48R22™	73.0	48.0	50.4	—	42	1
Dyna-Gro	S48RS53	72.6	51.1	—	—	42	1
NK Brand	S47-N3	72.4	—	—	—	35	1
Dyna-Gro	S47RY13	71.5	48.4	—	—	39	1
Delta Grow	DG 4925 RR2	70.3	49.1	—	—	40	1
REV@	49R22™	69.1	50.8	55.2	—	39	1
MPG	MPG 4714	67.6	—	—	—	41	1
Schillinger	4712R2	67.2	—	—	—	39	1
Delta Grow	DG 4755 RR2	67.2	44.5	—	—	34	1
Delta Grow	DG 4970RR	66.6	57.6	60.5	—	41	1
Delta Grow	DG4940RR	59.7	—	—	—	40	2
Mean		78.4					
LSD		10.1					
Error df		106.0					
CV		9.6					
R-sq		51.6					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Pioneer	P50T64R	95.0	—	—	—	42	1
NK Brand	S52-Y2	91.3	—	—	—	39	1
Asgrow	AG5233	89.0	56.0	—	—	37	1
Progeny	P5210RY	85.6	58.2	57.8	—	30	2
Pioneer	P54T94R	85.4	—	—	—	34	1
Dyna-Gro	32RY55	85.3	62.8	60.5	—	33	1
Asgrow	AG5332	84.7	55.1	58.2	—	36	1
Armor	X1414	84.5	—	—	—	35	1
Croplan	R2C 5081	83.8	53.9	—	—	40	1
REV@	55R53™	83.7	63.9	—	—	38	2
Dyna-Gro	S56RY84	82.4	—	—	—	43	1
Armor	53-R88	82.2	59.9	57.3	—	36	1
Progeny	P5111RY	80.8	58.5	54.7	—	34	1
Armor	X1312	80.3	54.1	—	—	35	1
Hornbeck	HBK RY5221	80.1	52.2	54.6	—	44	1
Progeny	P5555RY	79.6	—	—	—	36	1
Pioneer	P50T40R	79.5	—	—	—	36	1
Armor	55-R22	79.1	—	—	—	33	1
Progeny	P5213RY	79.0	—	—	—	46	1
Armor	X1413	78.5	—	—	—	37	2
Progeny	P5610RY	78.5	59.2	58.7	—	34	1
Asgrow	AG 5534	78.3	—	—	—	36	1
REV@	51R53™	77.8	51.5	53.7	—	37	1
Progeny	P5333RY	77.7	—	—	—	36	1
REV@	56R21™	77.3	57.3	57.6	—	38	1
REV@	56R63™	77.1	60.7	60.4	—	36	1
Delta Grow	DG 5625RR2	76.7	—	—	—	32	1
Armor	53-R16	76.5	51.6	—	—	30	1
Hornbeck	HBK RY5421	76.3	46.6	50.0	—	38	2
Delta Grow	DG 5475RR2	76.1	57.1	—	—	37	1
Great Heart Seed	GT-500R2	74.6	51.6	—	—	36	1
Steyer	5301R2	74.6	—	—	—	40	1
REV@	52R74™	74.3	—	—	—	38	1
REV@	54R84™	73.3	52.6	—	—	33	1
Univ. of Arkansas	R04-1250RR	71.6	—	—	—	36	2
Delta Grow	DG 5130RR2	71.1	—	—	—	37	1
Delta Grow	DG 5575RR2	70.6	—	—	—	33	1
Croplan	R2C5371	70.5	50.7	—	—	33	1
Great Heart Seed	GT-550R2	69.9	50.9	—	—	32	1
Dyna-Gro	S53RY23	69.7	53.9	—	—	36	2
Asgrow	AG 5634	68.2	—	—	—	41	1
Delta Grow	DG 5565RR2	67.5	—	—	—	33	1
Steyer	5101R2	67.5	—	—	—	38	1
Univ. of Missouri	S09-6201R	66.6	—	—	—	35	1
Armor	X1410	66.5	—	—	—	40	2
Dyna-Gro	S54RY43	66.4	54.2	—	—	34	2
Univ. of Arkansas	R04-1268RR	66.1	44.7	—	—	32	2
Delta Grow	DG 5125RR2	65.6	—	—	—	32	1
Delta Grow	DG 5480RR2	65.6	—	—	—	33	1
Schillinger	5220.RC	65.5	44.9	50.9	—	35	1
AgBorn	ABX 2105	64.9	—	—	—	33	1
MPG	MPG 5214	57.8	—	—	—	40	2
Mean		76.0					
LSD (.10)		9.9					
Error df		102.0					
CV		9.6					
R-sq		65.3					

¹No maturity dates taken.

Table 40. Roundup Ready Maturity Group V Late Nonirrigated Soybeans (Todd Williams Farm, Olive Branch).

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV®	59R13™	77.2	56.8	—	—	37	1
Dyna-Gro	39RY57	73.0	54.9	55.1	—	42	1
REV®	57R21™	66.9	—	—	—	44	1
Progeny	P5711RY	66.0	50.9	51.7	—	42	2
Asgrow	AG5831	61.4	51.5	51.5	—	31	1
Mean		68.9					
LSD (.10)		7.6					
Error df		8.0					
CV		7.3					
R-sq		75.5					

¹No maturity dates taken.

Location 4. Steele Farms, Longwood

Location Summary

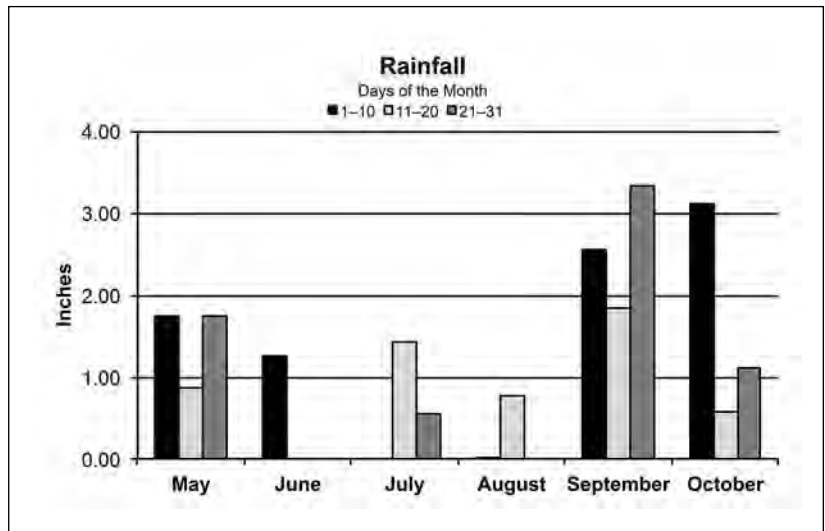
The plots were planted into a stale seedbed with adequate soil moisture. All plots quickly emerged to a good stand. Timely rains in combination with furrow irrigation supplied sufficient soil moisture that the plants never

stressed, resulting in good yields. Harvest was slightly delayed due to rain, but plots were harvested without any yield loss.

Soil type	Sharkey clay
Soil pH	7.0
Soil fertility	P=H K=H
Irrigation dates	Furrow irrigated as needed
Herbicide applications	Preemergence – Authority MTZ @ 12 oz/A, Dual II Magnum @ 24 oz/A, and Roundup Powermax @ 24 oz/A on May 14 Postemergence – Roundup Ready – Roundup Powermax @ 22 oz/A and Dual II Magnum @ 1.5 pt/A; Conventional/LL – Select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Dual II Magnum @ 1.5 pt/A on July 9
Previous crop	Rice
Planting date	May 14
Harvest date	Group IV Early and IV Late Roundup Ready on October 12; Group V Early and V Late Roundup Ready, IV Conventional/LL and V Conventional/LL on October 19

Rainfall Summary

	Inches
May	4.37
June	1.25
July	1.99
August	0.78
September	7.73
October	4.79
Total	20.91



Note: Varieties in the following tables with names in bold type are experimental.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Univ. of Arkansas	R05-3239	81.9	76.0	—	—	25	1
Hornbeck	XLL 4969	81.6	—	—	—	41	1
Halo	X496	80.3	—	—	—	37	1
Univ. of Missouri	S09-9943	78.7	—	—	—	33	1
GoSoy	4711LL	78.7	71.9	—	—	42	2
GoSoy	4912LL	77.8	72.1	—	—	43	1
Halo	X50	77.7	—	—	—	39	1
Progeny	P4560LL	74.1	—	—	—	37	1
Delta Grow	DG 4967LL	73.9	70.2	—	—	46	1
AgBorn	ABX 2174	73.7	—	—	—	33	1
Progeny	P4930LL	73.6	—	—	—	38	1
Hornbeck	HBK LL4650	73.5	—	—	—	38	1
Halo	4:94	73.4	72.9	62.5	—	38	1
Halo	4:65	72.5	66.5	57.5	—	35	1
Delta Grow	DG 4990LL	72.2	70.4	—	—	38	1
Hornbeck	HBK LL4950	71.6	—	—	—	40	1
Halo	X48	71.4	67.9	—	—	35	1
Halo	X42	71.1	—	—	—	30	1
Dyna-Gro	S49LL34	70.8	—	—	—	36	1
Progeny	P4928LL	70.8	69.8	61.5	—	39	1
Univ. of Missouri	S09-10871	70.6	—	—	—	33	1
Halo	X466	69.5	—	—	—	34	1
Hornbeck	HBK LL4850	69.3	—	—	—	37	1
GoSoy	4411LL	68.8	64.2	57.3	—	35	1
Progeny	P4819LL	68.3	66.4	—	—	35	1
GoSoy	4812LL	67.9	66.4	—	—	36	1
Halo	X477	67.4	—	—	—	40	1
Hornbeck	HBK LL4653	65.8	—	—	—	32	1
Dyna-Gro	SX13246L	65.7	—	—	—	32	1
Univ. of Missouri	S09-13608	65.4	—	—	—	31	1
Delta Grow	DG 4981LL/STS	64.6	—	—	—	45	1
USDA-ARS	JTN-4607	62.3	—	—	—	33	1
Mean		72					
LSD (0.1)		6					
Error df		62					
CV		6.2					
R-square		73.6					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P5160LL	93.7	82.9	71.0	—	27	1
Halo	Halo 5:45	87.2	75.1	—	—	29	1
Progeny	P5960LL	83.4	73.6	63.0	—	29	1
Univ. of Arkansas	Ozark	81.7	73.4	48.9	—	27	1
Univ. of Arkansas	R05-4114	80.9	—	—	—	30	1
Univ. of Arkansas	Osage	80.6	76.2	65.2	—	22	1
Hornbeck	HBK LL5350	80.1	—	—	—	21	1
Univ. of Arkansas	UA5612	79.6	72.1	—	—	32	1
GoSoy	5111LL	78.2	73.3	62.3	—	30	1
Univ. of Missouri	S09-13635	77.1	—	—	—	38	1
Univ. of Arkansas	R05-374	76.8	—	—	—	30	1
Halo	Halo X50	76.2	73.2	—	—	43	1
Delta Grow	DG5461LL	75.9	73.4	67.2	—	38	1
Stratton Seed	Leland	75.5	—	—	—	28	1
Delta Grow	DG 5481LL	75.4	—	—	—	40	1
GoSoy	5410LL	72.6	71.5	—	—	43	1
Halo	X530	72.5	—	—	—	45	1
Delta Grow	DG 5361LL	71.6	—	—	—	47	1
Progeny	P5460LL	69.6	68.7	60.5	—	41	1
GoSoy	5010LL	69.3	66.8	—	—	33	1
GoSoy	5312LL	67.9	—	—	—	48	1
Halo	Halo X51	65.5	65.3	—	—	27	1
USDA-ARS	JTN-4307	63.8	57.5	—	—	26	1
Mean		76.3					
LSD		9.5					
Error df		44					
CV		9					
R-square		61.9					
¹ No maturity dates taken.							

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
NK Brand	S46-L2	86.6	—	—	9/14	33	1
Asgrow	AG4632	83.9	74.9	65.6	9/24	39	1
Progeny	P4211RY	83.8	67.4	60.2	9/20	33	1
Mycogen	5N451R2	83.2	—	—	9/20	38	1
Croplan	R2C 4541	82.9	71.9	—	9/20	35	1
Progeny	P4313RY	82.9	—	—	9/20	29	1
REV®	46R64™	81.6	—	—	9/14	34	1
Progeny	P4613RY	81.4	—	—	9/20	36	1
Armor	X1404	80.6	—	—	9/20	38	1
Asgrow	AG 4433	80.0	62.9	—	9/14	35	1
Pioneer	P46T21R	79.5	—	—	9/21	32	1
Delta Grow	4670RR2	79.2	73.4	66.8	9/21	37	1
AGS	AGS 43R212	78.9	58.4	—	9/20	35	1
Hornbeck	HBK RY4620	78.5	63.8	56.2	9/20	32	1
NK Brand	S44-D5	77.1	67.5	57.7	9/14	33	1
Mycogen	5N431R2	77.1	—	—	9/20	32	1
AGS	AGS 45R212	76.3	71.5	—	9/20	42	1
Asgrow	AG4531	76.1	66.8	63.2	9/24	35	1
Mycogen	5N423R2	75.9	—	—	9/20	31	1
Asgrow	AG 4232	75.6	58.3	—	9/20	34	1
Dyna-Gro	31RY45	75.3	68.3	63.1	9/21	29	1
Dyna-Gro	39RY43	75.2	64.3	—	9/14	32	1
Asgrow	AG 4633	74.8	55.1	—	9/20	32	1
Schillinger	458.RCS	74.5	—	—	9/20	35	1

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG 4533	74.1	67.5	—	9/20	38	1
Armor	X1406	73.9	—	—	9/20	40	1
Armor	X1401	73.7	—	—	9/20	33	1
Steyer	4301R2	73.6	—	—	9/20	30	1
REV@	46R73™	73.2	—	—	9/14	40	1
USG	74F53R	72.9	—	—	9/20	33	1
Morsoy	EXP 44	72.4	—	—	9/14	31	1
Morsoy Xtra	46X29	71.5	61.1	57.5	9/21	36	1
MPG	MPG 4514NS	71.4	—	—	9/14	38	1
Morsoy	44x82	70.7	60.7	—	9/14	29	1
Dyna-Gro	S44RS93	70.4	57.9	—	9/21	27	1
NK Brand	S46-G9	70.0	—	—	9/12	30	1
Progeny	P4510RY	69.7	63.9	60.6	9/20	33	1
Armor	44-R08	68.2	59.5	—	9/14	27	1
AgBorn	ABX 27041	67.4	—	—	9/14	36	1
AgBorn	ABX 2164	63.1	—	—	9/24	33	1
Mean		75.9					
LSD		7.3					
Error df		78.0					
CV		7.0					
R-sq		62.2					

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Armor	49-R56	82.6	80.0	—	—	33	1
Progeny	P4900RY	82.0	79.6	—	—	38	1
Dyna-Gro	DG 37RY47	81.7	73.6	—	—	36	1
Asgrow	AG4934	81.7	—	—	—	38	1
Progeny	P4747RY	80.8	76.9	—	—	40	1
Great Heart Seed	GX4798R2	80.2	—	—	—	38	1
Great Heart Seed	GT476R2	79.8	—	—	—	37	1
Delta Grow	DG 4765 R2Y/STS	79.3	75.4	—	—	38	1
Delta Grow	DG 4825RR2/STS	79.1	75.4	—	—	36	1
Progeny	P4850RY	78.7	74.0	—	—	43	1
REV@	48R44™	78.7	—	—	—	38	1
Morsoy Xtra	48X02	78.4	71.4	—	—	39	1
NK Brand	S49-F8	78.4	71.6	—	—	38	1
USG	74B83R	77.9	—	—	—	35	1
Morsoy Xtra	47X12	77.6	75.8	—	—	44	1
Croplan	R2T4799S	77.6	72.9	68.1	—	36	1
NK Brand	S47-N3	77.6	—	—	—	37	1
Steyer	4701R2	77.0	—	—	—	42	1
Delta Grow	DG4940RR	76.9	—	—	—	38	1
Progeny	P4710RY	76.4	73.1	66.3	—	39	1
Armor	48-R66	76.1	—	—	—	36	1
Pioneer	P49T80R	76.0	—	—	—	40	1
Delta Grow	DG 4755 RR2	75.9	71.0	—	—	39	1
Armor	DK4744	75.8	73.7	—	—	36	1
Croplan	R2C 4752S	75.6	71.0	—	—	31	1
Armor	47-R13	75.4	73.5	—	—	39	1
Pioneer	P49T97R	75.2	—	—	—	35	1
Dyna-Gro	S48RS53	75.2	70.2	—	—	38	1
Hornbeck	HBK RY4721	75.2	69.2	60.5	—	37	1
REV@	48R22™	74.8	69.6	58.1	—	39	1
Delta Grow	DG 4925 RR2	74.6	73.4	—	—	37	1
REV@	49R94™	74.4	—	—	—	40	1
Asgrow	AG 4832	74.4	71.1	63.1	—	40	1

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	S47RY13	74.1	70.9	—	—	35	1
Asgrow	AG 4933	74.0	71.9	—	—	40	1
REV@	47R34™	73.9	—	—	—	34	1
Mycogen	5N478R2	73.5	—	—	—	40	1
AGS	AGS 47R212	72.8	63.9	—	—	38	1
Schillinger	4990.RC	72.6	67.0	—	—	37	2
Schillinger	4712R2	72.5	—	—	—	36	1
Schillinger	495.RC	72.5	69.2	59.2	—	43	1
Delta Grow	DG 4880RR	72.0	68.2	56.0	—	39	1
Delta Grow	DG 4970RR	71.8	70.2	58.5	—	44	1
Pioneer	P47T36R	71.3	—	—	—	36	1
Pioneer	P48T53R	69.9	—	—	—	36	1
Morsoy Xtra	49X14	69.7	—	—	—	38	1
Schillinger	478.RCS	69.6	68.1	—	—	42	2
REV@	48R33™	69.1	61.7	57.7	—	40	1
USG	74H92R	67.6	—	—	—	33	1
USG	74A92R	67.5	—	—	—	40	1
REV@	47R53™	66.2	64.6	57.9	—	37	1
AgBorn	ABX 2499	66.0	—	—	—	42	1
MPG	MPG 4714	63.6	—	—	—	40	1
REV@	49R22™	62.8	63.8	53.5	—	42	1
Mean		74.6					
LSD		6.3					
Error df		106.0					
CV		6.3					
R-sq		63.9					
¹No maturity dates taken.							

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Armor	X1312	83.4	66.7	—	—	38	1
REV@	55R53™	81.4	77.4	—	—	30	1
Dyna-Gro	S54RY43	81.3	71.2	—	—	33	1
Asgrow	AG5233	81.1	69.9	—	—	39	1
Croplan	R2C5371	81.0	69.2	—	—	26	1
Progeny	P5333RY	81.0	—	—	—	30	1
Progeny	P5610RY	80.8	73.1	61.3	—	28	1
Armor	55-R22	80.2	—	—	—	29	1
REV@	54R84™	80.1	74.7	—	—	25	1
Armor	53-R16	79.8	72.9	—	—	33	1
Delta Grow	DG 5565RR2	79.1	—	—	—	31	1
REV@	56R21™	79.1	73.6	62.2	—	38	1
Dyna-Gro	32RY55	78.7	76.0	63.2	—	30	1
Asgrow	AG 5534	78.6	—	—	—	30	1
Pioneer	P54T94R	78.0	—	—	—	26	1
REV@	52R74™	76.2	—	—	—	36	1
Progeny	P5111RY	76.2	68.1	58.2	—	28	1
REV@	56R63™	76.1	69.1	61.7	—	41	1
Pioneer	P50T64R	76.0	—	—	—	40	1
Delta Grow	DG 5480RR2	75.8	—	—	—	32	1
Croplan	R2C 5081	75.4	67.9	—	—	33	1
Dyna-Gro	S53RY23	75.3	70.6	—	—	29	1
Delta Grow	DG 5575RR2	75.1	—	—	—	33	1
Armor	X1413	75.0	—	—	—	45	1
Delta Grow	DG 5125RR2	75.0	—	—	—	32	1
Pioneer	P50T40R	74.8	—	—	—	31	1
¹No maturity dates taken.							

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 5130RR2	74.2	—	—	—	37	1
Dyna-Gro	S56RY84	73.6	—	—	—	35	1
Delta Grow	DG 5625RR2	73.4	—	—	—	25	1
Progeny	P5555RY	73.3	—	—	—	33	1
Hornbeck	HBK RY5421	73.1	66.9	55.5	—	26	1
Armor	X1414	72.9	—	—	—	31	1
Asgrow	AG5332	72.8	72.0	63.2	—	35	1
Asgrow	AG 5634	72.7	—	—	—	31	1
Delta Grow	DG 5475RR2	71.4	64.7	—	—	28	1
Progeny	P5213RY	71.4	—	—	—	44	1
Hornbeck	HBK RY5221	71.2	66.4	60.3	—	45	2
Steyer	5101R2	70.5	—	—	—	37	1
Univ. of Arkansas	R04-1250RR	70.5	—	—	—	27	1
Progeny	P5210RY	70.4	64.4	54.7	—	30	1
Steyer	5301R2	70.1	—	—	—	41	1
Univ. of Arkansas	R04-1268RR	68.1	60.2	—	—	31	1
Schillinger	5220.RC	67.9	64.4	57.6	—	42	1
REV@	51R53™	67.1	62.2	59.1	—	38	1
Great Heart Seed	GT-550R2	66.8	55.1	—	—	29	1
NK Brand	S52-Y2	66.6	—	—	—	29	1
Great Heart Seed	GT-500R2	66.3	63.7	—	—	32	1
Armor	X1410	65.4	—	—	—	41	1
MPG	MPG 5214	64.7	—	—	—	38	1
Armor	53-R88	64.0	59.8	52.0	—	31	1
AgBorn	ABX 2105	64.0	—	—	—	39	1
Univ. of Missouri	S09-6201R	63.4	—	—	—	31	1
Mean		73.9					
LSD (.10)		6.4					
Error df		102					
CV		72.6					
R-sq		6.4					

¹No 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
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV@	57R21™	83.0	—	—	—	37	1
Dyna-Gro	39RY57	81.4	75.3	66.7	—	32	1
Progeny	P5711RY	78.8	70.7	62.2	—	31	1
Asgrow	AG5831	77.7	69.8	60.1	—	26	1
REV@	59R13™	76.0	69.6	—	—	28	1
Mean		79.4					
LSD (.10)		6.3					
Error df		8.0					
CV		5.2					
R-sq		60.0					

¹No maturity dates taken.

Location 5. MAFES Black Belt Branch, Brooksville

Location Summary

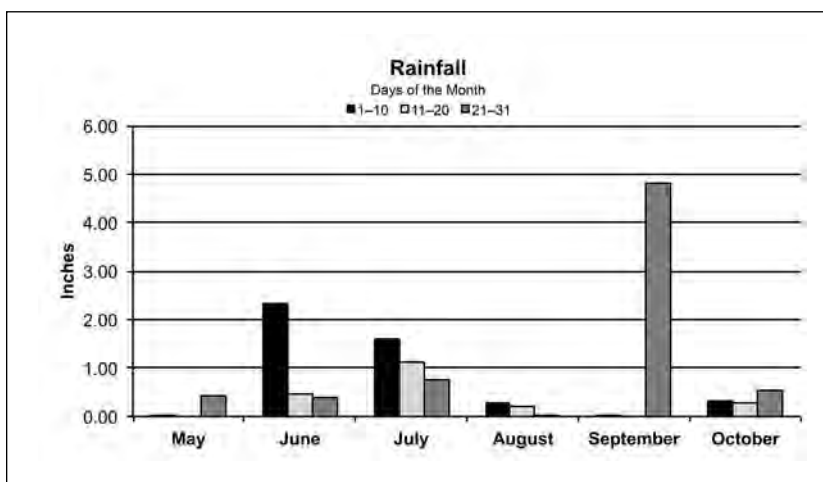
Soybean plots were planted in early May into a stale seedbed. Soil moisture was adequate at planting for optimum germination. All plots quickly emerged to a good

stand. Timely rains at critical growing points throughout the season resulted in 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 applications	Preemergence – Authority MTZ @ 12 oz/A, Dual II Magnum @ 24 oz/A, Python @ 1.25 oz/A, and Gramoxone @ 1 qt/A on May 9 Postemergence – Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A on July 2; Conventional/LL – Select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Scepter @ 2.5 oz/A on July 2
Previous crop	Corn
Planting date	May 9
Harvest date	Group IV Conventional/LL and Group IV Early and IV Late Roundup Ready on September 23; Group V Conventional/LL and Group V Early and V Late Roundup Ready on October 1

Rainfall Summary

	Inches
May	0.46
June	3.16
July	3.49
August	0.53
September	4.84
October	1.12
Total	13.60



Note: Varieties in the following tables with names in bold type are experimental.

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Halo	X50	55.2	—	—	9/14	38	1
Univ. of Missouri	S09-13608	54.7	—	—	9/9	28	1
Halo	X477	53.8	—	—	9/17	29	1
Halo	X496	53.4	—	—	9/19	27	1
GoSoy	4812LL	52.6	53.6	—	9/11	33	1
Delta Grow	DG 4967LL	52.0	55.5	—	9/21	39	1
Hornbeck	HBK LL4950	50.9	—	—	9/19	36	1
Univ. of Missouri	S09-9943	50.5	—	—	9/18	27	1
Hornbeck	XLL 4969	50.3	—	—	9/18	33	1
Dyna-Gro	S49LL34	50.2	—	—	9/20	26	1
GoSoy	4711LL	49.9	53.6	—	9/17	30	1
Progeny	P4928LL	48.9	52.8	51.6	9/18	32	1
GoSoy	4411LL	48.5	53.4	52.2	9/17	39	1
Halo	4:94	48.0	52.7	52.0	9/18	33	1
Delta Grow	DG 4981LL/STS	47.1	—	—	9/21	46	1
Univ. of Missouri	S09-10871	46.9	—	—	9/16	26	1
Progeny	P4560LL	46.4	—	—	9/12	25	1
Delta Grow	DG 4990LL	46.1	51.7	—	9/18	35	1
Univ. of Arkansas	R05-3239	46.0	53.7	—	9/18	21	1
Hornbeck	HBK LL4653	46.0	—	—	9/11	24	1
Halo	X48	45.6	50.8	—	9/12	39	1
GoSoy	4912LL	44.6	52.3	—	9/14	32	1
Progeny	P4930LL	44.4	—	—	9/19	30	1
Halo	X42	44.4	—	—	9/9	28	1
Hornbeck	HBK LL4850	43.8	—	—	9/10	26	1
Hornbeck	HBK LL4650	42.8	—	—	9/16	26	1
AgBorn	ABX 2174	42.8	—	—	9/16	27	1
Halo	4:65	42.6	50.6	50.3	9/20	38	1
Halo	X466	41.7	—	—	9/20	34	1
Dyna-Gro	SX13246L	41.1	—	—	9/16	33	1
Progeny	P4819LL	40.5	48.8	—	9/13	34	1
USDA-ARS	JTN-4607	36.4	—	—	9/21	21	1
Mean		47.1					
LSD (0.1)		7.7					
Error df		62					
CV		53.7					
R-square		12					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Univ. of Arkansas	UA5612	55.2	55.0	—	9/21	27	1
Stratton Seed	Leland	53.1	—	—	9/17	25	1
Univ. of Missouri	S09-13635	50.4	—	—	9/18	30	1
GoSoy	5312LL	50.1	—	—	9/20	40	1
Univ. of Arkansas	R05-374	49.9	—	—	9/21	30	1
Univ. of Arkansas	R05-4114	49.2	—	—	9/22	23	1
Delta Grow	DG 5361LL	47.5	—	—	9/19	37	1
Univ. of Arkansas	Osage	47.4	54.0	51.6	9/20	16	1
USDA-ARS	JTN-4307	47.2	49.5	—	9/21	37	1
GoSoy	5410LL	46.9	54.9	—	9/18	32	1
Halo	Halo 5:45	46.2	50.0	—	9/23	22	1
GoSoy	5010LL	45.9	57.4	—	9/19	23	1
Progeny	P5160LL	45.8	42.0	39.5	9/19	22	1
Progeny	P5960LL	44.7	47.7	46.3	9/20	21	1
Halo	Halo X50	43.4	55.1	—	9/21	36	1
GoSoy	5111LL	43.3	40.5	42.7	9/19	26	1
Hornbeck	HBK LL5350	43.0	—	—	9/19	16	1

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Halo	Halo X51	41.7	45.3	—	9/22	30	1
Delta Grow	DG5461LL	41.7	49.3	45.0	9/19	29	1
Halo	X530	41.5	—	—	9/22	42	1
Univ. of Arkansas	Ozark	41.0	53.5	49.5	9/21	23	1
Progeny	P5460LL	39.2	46.7	41.5	9/20	31	1
Delta Grow	DG 5481LL	37.4	—	—	9/20	37	1
Mean		45.7					
LSD		8.3					
Error df		44					
CV		13.2					
R-square		46.5					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
NK Brand	S46-L2	72.1	—	—	9/11	30	1
Armor	X1406	67.6	—	—	9/6	32	1
AGS	AGS 43R212	66.3	62.6	—	9/6	29	1
Mycogen	5N451R2	64.3	—	—	9/8	31	1
Pioneer	P46T21R	64.1	—	—	9/8	30	1
Armor	44-R08	61.3	60.3	—	9/7	22	1
Morsoy	EXP 44	60.6	—	—	9/11	23	1
Asgrow	AG 4433	60.1	64.1	—	9/10	32	1
Steyer	4301R2	59.4	—	—	9/12	31	1
Delta Grow	4670RR2	59.3	59.2	57.8	9/12	27	1
NK Brand	S46-G9	59.1	—	—	9/9	30	1
Asgrow	AG4531	58.8	64.5	59.7	9/13	29	1
Schillinger	458.RCS	58.7	—	—	9/13	31	1
Progeny	P4613RY	58.4	—	—	9/11	28	1
MPG	MPG 4514NS	58.0	—	—	9/9	25	1
REV@	46R64™	58.0	—	—	9/12	25	1
Croplan	R2C 4541	58.0	64.3	—	9/8	24	1
Dyna-Gro	31RY45	57.9	63.4	59.2	9/10	27	1
AgBorn	ABX 2164	57.4	—	—	9/11	27	1
Progeny	P4211RY	57.2	56.4	54.4	9/6	26	1
Armor	X1401	56.8	—	—	9/6	24	1
Asgrow	AG 4533	56.6	59.7	—	9/6	32	1
Hornbeck	HBK RY4620	56.5	59.9	57.3	9/10	25	1
Asgrow	AG 4633	55.9	58.4	—	9/5	23	1
Morsoy	44x82	55.8	56.1	—	9/11	32	1
USG	74F53R	55.8	—	—	9/6	30	1
Morsoy Xtra	46X29	55.2	62.1	60.0	9/10	32	1
Asgrow	AG4632	55.0	60.8	58.3	9/11	31	1
Asgrow	AG 4232	54.7	59.6	—	9/6	26	1
Armor	X1404	53.2	—	—	9/11	31	1
NK Brand	S44-D5	53.0	59.5	55.9	9/11	29	1
Progeny	P4510RY	52.7	59.1	58.5	9/11	33	1
Mycogen	5N431R2	52.7	—	—	9/10	28	1
Dyna-Gro	39RY43	52.1	56.9	—	9/10	23	1
Mycogen	5N423R2	51.2	—	—	9/9	29	1
AGS	AGS 45R212	50.7	57.0	—	9/6	30	1
Progeny	P4313RY	50.2	—	—	9/7	20	1
AgBorn	ABX 27041	49.5	—	—	9/12	34	1
REV@	46R73™	47.9	—	—	9/12	30	1
Dyna-Gro	S44RS93	45.7	55.3	—	9/8	21	1
Mean		56.9					
LSD		9.7					
Error df		78.0					
CV		12.6					
R-sq		58.8					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Croplan	R2C 4752S	71.0	72.6	—	9/12	37	1
Morsoy Xtra	48X02	71.0	68.6	—	9/10	32	1
Asgrow	AG 4933	68.3	65.9	—	9/7	29	1
Asgrow	AG 4832	67.1	63.8	59.7	9/9	30	1
Great Heart Seed	GT476R2	66.4	—	—	9/11	32	1
Schillinger	495.RC	65.4	63.4	59.2	9/17	39	1
AGS	AGS 47R212	65.1	59.9	—	9/12	33	1
Armor	48-R66	64.1	—	—	9/13	28	1
Hornbeck	HBK RY4721	63.2	61.0	58.5	9/11	36	1
Delta Grow	DG 4755 RR2	63.1	62.6	—	9/10	32	1
Mycogen	5N478R2	63.0	—	—	9/11	32	1
Morsoy Xtra	47X12	62.5	69.9	—	9/11	28	1
Dyna-Gro	S48RS53	62.5	63.3	—	9/14	32	1
Delta Grow	DG4940RR	62.4	—	—	9/16	26	1
Schillinger	478.RCS	62.3	68.8	—	9/16	30	1
Progeny	P4900RY	62.2	60.8	—	9/12	25	1
Croplan	R2T4799S	62.2	60.9	59.4	9/10	30	1
REV@	48R22™	62.1	62.3	58.0	9/8	33	1
Dyna-Gro	DG 37RY47	61.7	62.2	—	9/14	30	1
Armor	47-R13	61.6	67.1	—	9/16	28	1
REV@	47R34™	61.3	—	—	9/12	31	1
Steyer	4701R2	60.8	—	—	9/9	30	1
Progeny	P4747RY	60.6	60.5	—	9/11	27	1
NK Brand	S49-F8	60.2	55.4	—	9/13	34	1
Progeny	P4850RY	60.2	69.1	—	9/12	34	1
Progeny	P4710RY	60.1	60.9	60.9	9/14	27	1
REV@	49R22™	59.5	59.2	55.7	9/13	32	1
Delta Grow	DG 4825 RR2/STS	59.5	65.2	—	9/13	27	1
Delta Grow	DG 4765 R2Y/STS	58.1	70.2	—	9/11	28	1
Dyna-Gro	S47RY13	57.4	61.4	—	9/13	34	1
REV@	48R33™	56.4	58.6	56.5	9/14	30	1
Delta Grow	DG 4880RR	56.3	56.1	52.4	9/16	26	1
Delta Grow	DG 4925 RR2	56.3	60.7	—	9/14	32	1
NK Brand	S47-N3	56.1	—	—	9/8	25	1
REV@	49R94™	55.6	—	—	9/12	25	1
Delta Grow	DG 4970RR	55.5	63.2	60.0	9/16	32	1
USG	74A92R	55.0	—	—	9/12	28	1
Great Heart Seed	GX4798R2	54.9	—	—	9/12	28	1
REV@	48R44™	54.7	—	—	9/12	26	1
Pioneer	P49T97R	54.3	—	—	9/10	25	1
Asgrow	AG4934	54.0	—	—	9/8	28	1
USG	74B83R	53.8	—	—	9/12	26	1
Pioneer	P47T36R	53.5	—	—	9/9	28	1
Morsoy Xtra	49X14	52.4	—	—	9/10	28	1
Schillinger	4712R2	52.3	—	—	9/10	36	1
Armor	49-R56	52.1	55.0	—	9/14	25	1
Schillinger	4990.RC	51.1	52.2	—	9/17	40	1
AgBorn	ABX 2499	51.0	—	—	9/13	31	1
Pioneer	P48T53R	50.7	—	—	9/8	27	1
Pioneer	P49T80R	50.7	—	—	9/11	28	1
USG	74H92R	50.6	—	—	9/11	28	1
REV@	47R53™	50.4	52.4	51.1	9/11	32	1
Armor	DK4744	48.6	57.2	—	9/14	27	1
MPG	MPG 4714	48.6	—	—	9/13	31	1
Mean		58.5					
LSD		10.7					
Error df		106.0					
CV		13.5					
R-sq		49.3					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG 5634	65.7	—	—	9/23	30	1
Progeny	P5333RY	64.1	—	—	9/18	24	1
Great Heart Seed	GT-500R2	63.1	59.0	—	9/16	29	1
Progeny	P5210RY	62.0	54.9	51.0	9/17	28	1
REV@	52R74™	61.1	—	—	9/12	31	1
Progeny	P5555RY	60.8	—	—	9/23	27	1
Asgrow	AG5233	60.5	52.3	—	9/16	33	1
Pioneer	P54T94R	60.2	—	—	9/18	20	1
Delta Grow	DG 5475RR2	60.0	54.9	—	9/21	25	1
Armor	53-R16	59.7	55.7	—	9/20	23	1
Pioneer	P50T64R	59.2	—	—	9/16	32	1
Dyna-Gro	S54RY43	58.9	57.4	—	9/21	31	1
REV@	55R53™	58.8	59.2	—	9/16	26	1
Delta Grow	DG 5480RR2	58.7	—	—	9/17	26	1
REV@	56R63™	58.1	51.3	49.1	9/20	29	1
Armor	55-R22	58.0	—	—	9/21	26	1
Dyna-Gro	S56RY84	56.9	—	—	9/22	30	1
Armor	X1410	56.7	—	—	9/16	37	1
Steyer	5301R2	56.1	—	—	9/18	37	1
Armor	X1413	56.0	—	—	9/17	38	1
Delta Grow	DG 5565RR2	55.8	—	—	9/17	23	1
Univ. of Arkansas	R04-1268RR	55.6	51.9	—	9/21	25	1
Delta Grow	DG 5575RR2	55.5	—	—	9/23	23	1
Progeny	P5111RY	55.4	53.6	51.7	9/18	30	1
Asgrow	AG 5534	55.1	—	—	9/21	24	1
Schillinger	5220.RC	54.9	53.2	49.1	9/16	27	1
Armor	X1312	54.6	51.6	—	9/23	34	1
MPG	MPG 5214	54.1	—	—	9/15	23	1
Asgrow	AG5332	53.8	53.7	49.5	9/15	28	1
REV@	54R84™	53.7	49.4	—	9/18	18	1
Croplan	R2C 5081	53.3	51.1	—	9/18	28	1
Progeny	P5213RY	52.8	—	—	9/19	39	1
Pioneer	P50T40R	51.8	—	—	9/15	26	1
Dyna-Gro	32RY55	51.7	56.9	50.5	9/22	30	1
Delta Grow	DG 5130RR2	51.4	—	—	9/19	32	1
Dyna-Gro	S53RY23	51.3	51.1	—	9/19	33	1
Armor	X1414	51.3	—	—	9/18	29	1
Univ. of Arkansas	R04-1250RR	50.0	—	—	9/21	32	1
Armor	53-R88	49.6	48.3	45.9	9/22	25	1
REV@	56R21™	49.2	48.2	46.5	9/17	30	1
REV@	51R53™	49.0	50.3	48.3	9/23	31	1
Delta Grow	DG 5125RR2	48.9	—	—	9/21	30	1
Progeny	P5610RY	48.5	52.2	51.6	9/19	34	1
Hornbeck	HBK RY5221	48.3	51.3	51.0	9/17	38	1
Hornbeck	HBK RY5421	47.8	46.7	45.7	9/18	27	1
Great Heart Seed	GT-550R2	47.7	50.6	—	9/16	23	1
Croplan	R2C5371	46.9	40.7	—	9/21	23	1
NK Brand	S52-Y2	46.1	—	—	9/13	24	1
Steyer	5101R2	45.5	—	—	9/24	30	1
Univ. of Missouri	S09-6201R	40.6	—	—	9/17	26	1
AgBorn	ABX 2105	40.5	—	—	9/16	30	1
Delta Grow	DG 5625RR2	39.3	—	—	9/21	22	1
Mean		53.9					
LSD (.10)		11.4					
Error df		102.0					
CV		8.4					
R-sq		47.9					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV®	57R21™	55.6	—	—	9/22	38	1
Asgrow	AG5831	54.7	56.9	51.4	9/21	26	1
Dyna-Gro	39RY57	53.1	57.4	53.2	9/19	28	1
Progeny	P5711RY	51.3	53.2	50.8	9/19	19	1
REV®	59R13™	47.2	53.6	—	9/23	29	1
Mean		52.4					
LSD (.10)		7.0					
Error df		8.0					
CV		8.8					
R-sq		73.1					

Location 6. Morton Farms, Falkner

Location Summary

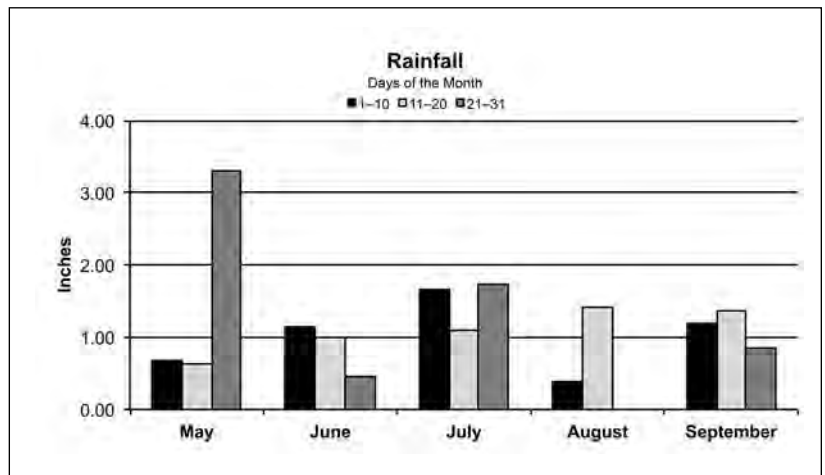
Soybean plots were planted into a stale seedbed with adequate moisture. The plots quickly emerged to a good stand. Timely rain that came at critical points during the

growing season supplied ample soil moisture. Harvest was completed with no weather delays and good yields were observed.

Soil type	Falaya 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 Gramoxone @ 1 qt/A on May 1 Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A on July 1; Conventional – Select @ 10 oz/A and Firstrate @ 0.6 oz/A on July 1
Previous crop	Soybeans
Planting date	May 1
Harvest date	September 27

Rainfall Summary

	Inches
May	4.62
June	2.59
July	4.48
August	1.80
September	3.41
Total	16.90



Note: Varieties in the following tables with names in bold type are experimental.

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
GoSoy	4711LL	88.6	78.1	—	9/15	41	2
GoSoy	4411LL	87.3	79.2	75.5	9/6	37	1
Delta Grow	DG 4967LL	84.1	80.4	—	9/14	42	1
Halo	X50	82.3	—	—	9/20	40	2
Halo	4:65	81.4	76.4	72.9	9/8	36	1
Progeny	P4930LL	81.3	—	—	9/19	39	1
Progeny	P4560LL	81.1	—	—	9/6	35	1
Hornbeck	HBK LL4650	80.3	—	—	9/6	35	1
Halo	X496	72.1	—	—	9/18	41	1
Progeny	P4928LL	72.0	69.8	65.1	9/18	39	1
Halo	X48	70.8	73.6	—	9/8	31	1
Hornbeck	XLL 4969	70.6	—	—	9/18	42	1
GoSoy	4912LL	70.0	75.3	—	9/8	45	1
GoSoy	4812LL	69.3	72.5	—	9/10	31	1
Halo	4:94	69.2	70.4	67.5	9/19	43	1
Hornbeck	HBK LL4850	67.5	—	—	9/8	32	1
Univ. of Missouri	S09-13608	66.6	—	—	9/6	35	1
Progeny	P4819LL	66.4	67.2	—	9/8	32	1
Halo	X466	66.1	—	—	9/6	34	1
Delta Grow	DG 4990LL	65.3	69.1	—	9/13	37	1
Delta Grow	DG 4981LL/STS	65.0	—	—	9/12	55	2
Hornbeck	HBK LL4950	64.6	—	—	9/15	41	1
Dyna-Gro	SX13246L	64.4	—	—	9/3	30	1
Halo	X477	63.2	—	—	9/15	40	1
USDA-ARS	JTN-4607	62.2	—	—	9/8	27	1
Univ. of Missouri	S09-10871	60.9	—	—	9/6	33	1
Dyna-Gro	S49LL34	60.1	—	—	9/15	35	1
Hornbeck	HBK LL4653	56.4	—	—	9/6	34	1
Univ. of Missouri	S09-9943	55.6	—	—	9/8	27	1
AgBorn	ABX 2174	55.4	—	—	9/6	29	1
Univ. of Arkansas	R05-3239	54.3	61.4	—	9/8	25	1
Halo	X42	50.8	—	—	9/6	30	1
Mean		68.9					
LSD (0.1)		12.7					
Error df		62					
CV		13.5					
R-square		63.5					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P5160LL	88.2	77.2	69.1	9/18	30	1
Stratton Seed	Leland	86.2	—	—	9/18	31	2
GoSoy	5312LL	84.9	—	—	9/20	47	3
Univ. of Arkansas	UA5612	84.4	80.1	—	9/15	36	1
Delta Grow	DG 5361LL	84.2	—	—	9/15	51	2
Delta Grow	DG5461LL	81.8	82.8	75.8	9/24	39	1
GoSoy	5111LL	77.7	74.6	68.6	9/21	32	1
Hornbeck	HBK LL5350	77.3	—	—	9/18	43	1
Halo	Halo 5:45	76.7	69.1	—	9/21	30	1
USDA-ARS	JTN-4307	76.6	77.3	—	9/20	29	1
Univ. of Arkansas	R05-374	76.0	—	—	9/15	34	1
Halo	Halo X50	75.8	75.2	—	9/18	28	1
Progeny	P5960LL	75.2	72.3	66.9	9/23	27	1
Halo	Halo X51	73.5	69.2	—	9/20	30	1
Univ. of Missouri	S09-13635	73.2	—	—	9/18	41	2
Progeny	P5460LL	73.0	72.0	68.1	9/18	26	1
GoSoy	5410LL	72.2	72.3	—	9/18	43	1
GoSoy	5010LL	72.1	72.5	—	9/18	43	2

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Univ. of Arkansas	Ozark	66.2	70.4	67.1	9/17	33	1
Delta Grow	DG 5481LL	65.6	—	—	9/22	39	2
Univ. of Arkansas	Osage	62.6	69.7	67.0	9/16	28	1
Halo	X530	61.6	—	—	9/18	57	1
Univ. of Arkansas	R05-4114	61.0	—	—	9/15	32	1
Mean		75					
LSD		12.7					
Error df		44					
CV		12.3					
R-square		63.1					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	4670RR2	100.3	89.2	80.5	9/3	38	1
Mycogen	5N451R2	98.1	—	—	9/8	38	1
Dyna-Gro	31RY45	95.8	84.8	77.9	9/6	37	1
REV@	46R73™	91.8	—	—	9/8	35	1
Pioneer	P46T21R	90.3	—	—	9/8	35	1
Asgrow	AG4632	89.8	86.0	84.0	9/6	32	1
Dyna-Gro	S44RS93	89.4	80.4	—	9/10	29	1
Asgrow	AG 4533	89.3	74.5	—	9/8	40	1
Croplan	R2C 4541	87.0	79.7	—	9/6	36	1
AGS	AGS 45R212	86.6	75.4	—	9/5	39	1
Progeny	P4211RY	84.4	76.8	74.4	9/5	33	1
Progeny	P4613RY	82.9	—	—	9/10	41	2
Mycogen	5N431R2	80.1	—	—	9/6	33	1
REV@	46R64™	79.0	—	—	9/8	33	1
Armor	44-R08	78.1	73.9	—	9/6	36	1
Schillinger	458.RCS	77.2	—	—	9/6	37	1
Armor	X1404	77.0	—	—	9/4	38	1
USG	74F53R	76.0	—	—	9/8	40	2
NK Brand	S46-G9	73.5	—	—	9/5	33	1
AGS	AGS 43R212	72.6	72.9	—	9/5	38	1
Dyna-Gro	39RY43	72.3	71.2	—	9/6	31	1
Mycogen	5N423R2	72.0	—	—	9/6	33	1
Progeny	P4510RY	70.0	69.7	68.0	9/6	36	1
Asgrow	AG 4433	68.8	72.0	—	9/6	37	1
AgBorn	ABX 27041	68.5	—	—	9/8	39	1
Progeny	P4313RY	68.5	—	—	9/8	30	1
AgBorn	ABX 2164	65.9	—	—	9/8	32	1
Armor	X1401	65.8	—	—	9/8	32	1
Steyer	4301R2	65.6	—	—	9/8	34	1
Asgrow	AG 4633	64.8	63.9	—	9/6	32	1
Morsoy	EXP 44	64.4	—	—	9/8	33	1
NK Brand	S46-L2	63.7	—	—	9/6	36	1
Asgrow	AG 4232	61.4	73.0	—	9/8	37	1
Hornbeck	HBK RY4620	61.0	66.3	65.0	9/6	36	1
Asgrow	AG4531	59.9	62.0	64.4	9/8	31	1
Morsoy	44x82	59.3	65.7	—	9/6	32	1
Morsoy Xtra	46X29	56.3	63.5	61.5	9/6	34	1
NK Brand	S44-D5	56.1	60.1	60.0	9/3	29	1
Armor	X1406	55.0	—	—	9/8	36	1
MPG	MPG 4514NS	52.5	—	—	9/8	33	1
Mean		74.3					
LSD		8.4					
Error df		78					
CV		8.3					
R-sq		86.8					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV®	47R34™	99.1	—	—	9/8	38	1
REV®	48R33™	95.3	84.5	78.9	9/8	34	2
Steyer	4701R2	92.9	—	—	9/10	37	1
Pioneer	P47T36R	92.6	—	—	9/6	36	1
Hornbeck	HBK RY4721	92.0	83.7	77.4	9/8	40	2
Mycogen	5N478R2	91.6	—	—	9/8	37	2
REV®	49R94™	89.2	—	—	9/6	34	2
Schillinger	4990.RC	88.8	79.8	—	9/10	39	2
Delta Grow	DG 4970RR	88.7	79.1	72.9	9/10	38	2
REV®	48R44™	88.4	—	—	9/6	30	1
Pioneer	P48T53R	87.7	—	—	9/6	34	1
AGS	AGS 47R212	87.1	73.5	—	9/6	34	1
REV®	47R53™	86.8	74.0	72.2	9/6	35	1
Schillinger	495.RC	85.5	74.2	68.2	9/10	39	2
Pioneer	P49T97R	83.8	—	—	9/10	37	1
Progeny	P4710RY	83.1	75.4	72.1	9/10	31	1
Progeny	P4850RY	83.0	77.1	—	9/6	36	1
Croplan	R2C 4752S	82.4	75.7	—	9/6	44	1
Delta Grow	DG 4880RR	82.2	71.8	69.0	9/10	35	1
NK Brand	S49-F8	81.1	76.6	—	9/10	34	1
Delta Grow	DG 4765 R2Y/STS	80.9	73.6	—	9/6	33	1
Pioneer	P49T80R	80.4	—	—	9/8	34	2
Armor	47-R13	79.4	73.0	—	9/6	32	1
Dyna-Gro	S48RS53	79.0	77.0	—	9/8	34	1
Great Heart Seed	GT476R2	78.9	—	—	9/6	37	1
Morsoy Xtra	48X02	78.2	74.5	—	9/5	40	1
Progeny	P4747RY	78.1	71.4	—	9/6	33	1
Schillinger	4712R2	77.2	—	—	9/6	32	1
Morsoy Xtra	47X12	76.8	78.5	—	9/8	31	1
Delta Grow	DG 4755 RR2	75.8	71.3	—	9/6	37	1
Dyna-Gro	S47RY13	72.5	68.2	—	9/8	35	1
Progeny	P4900RY	72.3	64.6	—	9/10	28	1
Asgrow	AG 4933	71.7	67.8	—	9/6	37	1
Armor	49-R56	69.7	64.2	—	9/10	31	1
Armor	48-R66	69.6	—	—	9/8	33	1
REV®	48R22™	69.3	68.9	64.2	9/6	33	1
Delta Grow	DG 4825 RR2/STS	68.8	69.8	—	9/10	33	1
USG	74H92R	67.1	—	—	9/10	36	1
REV®	49R22™	65.3	66.1	63.6	9/8	34	1
USG	74B83R	64.2	—	—	9/8	31	1
Schillinger	478.RCS	63.6	66.1	—	9/8	33	1
Morsoy Xtra	49X14	62.2	—	—	9/8	37	1
NK Brand	S47-N3	62.1	—	—	9/6	29	1
Asgrow	AG 4832	61.0	66.2	63.1	9/5	35	1
Armor	DK4744	58.1	62.8	—	9/6	29	1
Delta Grow	DG4940RR	57.6	—	—	9/8	36	2
AgBorn	ABX 2499	57.4	—	—	9/10	41	1
Croplan	R2T4799S	57.3	61.0	61.9	9/8	35	1
USG	74A92R	56.7	—	—	9/6	36	1
Great Heart Seed	GX4798R2	56.5	—	—	9/7	29	1
Asgrow	AG4934	55.9	—	—	9/8	39	1
MPG	MPG 4714	55.6	—	—	9/10	41	1
Delta Grow	DG 4925 RR2	55.4	59.7	—	9/8	38	2
Dyna-Gro	DG 37RY47	53.3	61.8	—	9/6	29	1
Mean		75.0					
LSD		9.4					
Error df		106.0					
CV		9.2					
R-sq		83.7					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Pioneer	P50T40R	94.9	—	—	9/15	27	1
Delta Grow	DG 5125RR2	91.3	—	—	9/22	30	1
Progeny	P5111RY	91.2	86.6	76.6	9/19	32	1
Armor	X1312	87.0	88.0	—	9/18	34	1
Croplan	R2C 5081	85.7	84.8	—	9/23	33	1
Progeny	P5333RY	82.0	—	—	9/18	31	1
Progeny	P5555RY	81.5	—	—	9/21	31	1
Delta Grow	DG 5480RR2	80.8	—	—	9/20	26	1
Delta Grow	DG 5575RR2	80.2	—	—	9/22	24	1
REV@	56R63™	79.9	78.4	71.8	9/15	41	1
Hornbeck	HBK RY5221	78.8	73.0	66.7	9/18	39	1
Armor	X1414	78.7	—	—	9/15	28	1
Dyna-Gro	S56RY84	78.6	—	—	9/23	31	1
Pioneer	P50T64R	77.8	—	—	9/13	33	1
Univ. of Missouri	S09-6201R	77.7	—	—	9/15	32	1
Armor	53-R16	76.8	76.9	—	9/19	30	1
Univ. of Arkansas	R04-1250RR	76.7	—	—	9/23	27	1
Progeny	P5210RY	75.4	74.4	67.4	9/21	29	1
Asgrow	AG 5634	75.3	—	—	9/21	36	1
Asgrow	AG5332	74.5	68.1	65.1	9/18	30	1
Asgrow	AG 5534	74.2	—	—	9/21	30	1
Progeny	P5213RY	73.1	—	—	9/13	39	1
Asgrow	AG5233	71.7	75.4	—	9/13	35	1
Dyna-Gro	32RY55	69.6	77.2	71.1	9/22	31	1
AgBorn	ABX 2105	69.3	—	—	9/15	31	1
Armor	X1413	69.3	—	—	9/13	40	1
NK Brand	S52-Y2	69.2	—	—	9/18	32	1
Dyna-Gro	S53RY23	68.8	71.9	—	9/21	33	1
Hornbeck	HBK RY5421	68.7	72.6	69.3	9/22	30	1
REV@	52R74™	67.5	—	—	9/10	33	1
Armor	55-R22	66.0	—	—	9/21	28	1
Progeny	P5610RY	65.8	79.4	71.6	9/22	28	1
REV@	54R84™	63.7	74.6	—	9/13	26	1
Delta Grow	DG 5130RR2	63.7	—	—	9/15	33	1
REV@	56R21™	63.3	77.7	71.6	9/18	30	1
Croplan	R2C5371	61.1	72.4	—	9/21	34	1
Great Heart Seed	GT-500R2	60.7	71.7	—	9/15	34	1
Delta Grow	DG 5475RR2	60.7	65.4	—	9/21	27	1
Delta Grow	DG 5625RR2	60.6	—	—	9/23	23	1
Great Heart Seed	GT-550R2	60.2	64.8	—	9/18	28	1
Schillinger	5220.RC	59.6	62.8	61.3	9/15	32	1
MPG	MPG 5214	59.1	—	—	9/18	35	1
Armor	X1410	58.9	—	—	9/15	41	1
Steyer	5301R2	58.3	—	—	9/15	37	1
Univ. of Arkansas	R04-1268RR	57.2	60.2	—	9/20	26	1
Armor	53-R88	56.2	71.7	66.7	9/19	31	1
Delta Grow	DG 5565RR2	56.2	—	—	9/22	23	1
Dyna-Gro	S54RY43	56.0	59.8	—	9/22	35	1
Pioneer	P54T94R	55.7	—	—	9/18	20	1
REV@	55R53™	55.2	67.1	—	9/15	30	1
Steyer	5101R2	55.1	—	—	9/15	36	1
REV@	51R53™	53.7	75.5	70.7	9/15	31	1
Mean		69.9					
LSD (.10)		7.8					
Error df		102					
CV		8.3					
R-sq		84.9					

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

Brand	Variety	Yield			Maturity date	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P5711RY	88.0	78.8	72.6	9/25	31	1
Asgrow	AG5831	78.2	74.7	66.9	9/25	26	1
REV®	57R21™	72.2	—	—	9/24	41	1
REV®	59R13™	70.9	71.5	—	9/24	33	1
Dyna-Gro	39RY57	70.5	76.2	72.1	9/25	32	1
Mean		76.0					
LSD (.10)		9.1					
Error df		8.0					
CV		7.9					
R-sq		70.1					

Location 7. Brown Loam Branch, Raymond

Location Summary

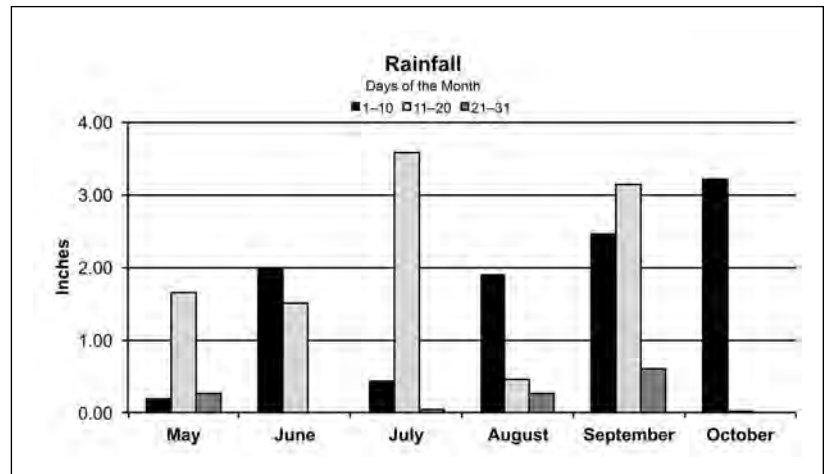
Soybean plots were planted into a freshly prepared seedbed with excellent soil moisture. All plots quickly

emerged to a suitable stand. Harvest was completed in a timely manner without weather delays.

Soil type	Loring silt loam
Soil pH	5.2
Soil fertility	P=H; K=H
Herbicide applications	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, Pursuit @ 4 oz/A, and Firstrate @ 0.3 oz/A on July 26
Previous crop	Soybeans
Planting date	May 7
Harvest date	Group IV Early and IV Late Roundup Ready on September 18; Group V Early and V Late Roundup Ready on October 3

Rainfall Summary

	Inches
May	2.09
June	3.49
July	4.06
August	2.61
September	6.19
October	3.23
Total	21.67



Note: Varieties in the following tables with names in bold type are experimental.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P4613RY	50.7	—	—	—	24	1
Dyna-Gro	31RY45	50.6	64.2	26.6	—	25	1
REV@	46R64™	50.0	—	—	—	27	1
Asgrow	AG4632	49.8	61.7	51.1	—	25	1
Progeny	P4510RY	49.0	61.3	46.6	—	25	1
Morsoy Xtra	46X29	48.1	63.9	49.0	—	23	1
Asgrow	AG 4533	46.6	57.0	—	—	26	1
Asgrow	AG4531	46.2	67.3	47.6	—	24	1
Hornbeck	HBK RY4620	45.6	60.7	24.1	—	21	1
MPG	MPG 4514NS	45.4	—	—	—	27	1
Armor	X1404	44.4	—	—	—	30	1
Delta Grow	4670RR2	44.0	58.5	40.6	—	24	1
Asgrow	AG 4433	43.6	49.9	—	—	24	1
REV@	46R73™	42.4	—	—	—	28	1
Croplan	R2C 4541	42.2	55.1	—	—	24	1
Pioneer	P46T21R	42.1	—	—	—	19	1
AgBorn	ABX 27041	40.7	—	—	—	23	1
Mycogen	5N423R2	40.2	—	—	—	24	1
Mycogen	5N451R2	38.4	—	—	—	26	1
NK Brand	S46-L2	38.1	—	—	—	25	1
Armor	X1401	36.6	—	—	—	24	1
AgBorn	ABX 2164	36.4	—	—	—	24	1
Progeny	P4313RY	36.4	—	—	—	20	1
AGS	AGS 43R212	34.8	54.3	—	—	24	1
Armor	X1406	33.3	—	—	—	24	1
Mycogen	5N431R2	32.9	—	—	—	20	1
Asgrow	AG 4232	32.9	52.4	—	—	23	1
NK Brand	S46-G9	32.7	—	—	—	21	1
Asgrow	AG 4633	32.7	55.2	—	—	22	1
Morsoy	EXP 44	31.9	—	—	—	20	1
USG	74F53R	31.8	—	—	—	21	1
AGS	AGS 45R212	31.3	46.6	—	—	22	1
Dyna-Gro	39RY43	29.8	45.7	—	—	23	1
Progeny	P4211RY	28.7	46.6	34.8	—	20	1
Morsoy	44x82	28.4	45.0	—	—	20	1
Armor	44-R08	28.3	49.9	—	—	20	1
Dyna-Gro	S44RS93	25.9	51.1	—	—	22	1
Steyer	4301R2	25.1	—	—	—	23	1
Schillinger	458.RCS	24.1	—	—	—	22	1
NK Brand	S44-D5	23.3	44.8	38.3	—	23	1
Mean		37.9					
LSD		9.2					
Error df		78.0					
CV		17.7					
R-sq		73.0					
¹No maturity dates taken.							

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV@	48R44™	53.2	—	—	—	27	1
REV@	47R34™	50.7	—	—	—	32	1
Armor	48-R66	48.7	—	—	—	25	1
Asgrow	AG 4832	47.1	57.7	52.0	—	25	1
USG	74B83R	46.8	—	—	—	27	1
USG	74H92R	46.3	—	—	—	29	1
REV@	49R94™	46.3	—	—	—	26	1
¹No maturity dates taken.							

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	DG 37RY47	46.2	57.7	—	—	26	1
Progeny	P4850RY	45.6	53.3	—	—	23	1
Morsoy Xtra	49X14	45.4	—	—	—	26	1
Mycogen	5N478R2	44.4	—	—	—	25	1
Morsoy Xtra	48X02	44.3	47.8	—	—	25	1
Asgrow	AG4934	43.5	—	—	—	26	1
Pioneer	P47T36R	42.9	—	—	—	24	1
REV®	47R53™	42.6	55.9	51.1	—	23	1
Armor	DK4744	42.5	59.1	—	—	25	1
Morsoy Xtra	47X12	42.1	53.6	—	—	25	1
Great Heart Seed	GT476R2	42.0	—	—	—	27	1
NK Brand	S49-F8	41.9	57.4	—	—	23	1
AgBorn	ABX 2499	41.1	—	—	—	25	1
REV®	48R33™	41.1	53.0	50.5	—	31	1
Croplan	R2C 4752S	41.0	53.4	—	—	25	1
Delta Grow	DG 4825 RR2/STS	40.3	59.4	—	—	20	1
Delta Grow	DG4940RR	40.2	—	—	—	24	1
Schillinger	495.RC	40.0	50.3	45.7	—	32	1
Asgrow	AG 4933	39.9	53.9	—	—	24	1
REV®	49R22™	39.7	53.6	50.1	—	28	1
Delta Grow	DG 4925 RR2	39.3	51.4	—	—	24	1
Armor	47-R13	38.7	54.3	—	—	26	1
Delta Grow	DG 4970RR	38.3	50.0	45.0	—	24	1
Pioneer	P49T80R	38.1	—	—	—	23	1
USG	74A92R	37.9	—	—	—	30	1
Schillinger	4990.RC	37.9	53.8	—	—	26	1
Progeny	P4747RY	37.8	49.3	—	—	27	1
Pioneer	P49T97R	37.1	—	—	—	22	1
Delta Grow	DG 4755 RR2	37.0	44.4	—	—	26	1
Pioneer	P48T53R	36.7	—	—	—	25	1
MPG	MPG 4714	35.9	—	—	—	25	1
Delta Grow	DG 4880RR	35.9	51.0	45.9	—	20	1
Great Heart Seed	GX4798R2	35.4	—	—	—	21	1
REV®	48R22™	35.1	50.1	46.9	—	23	1
AGS	AGS 47R212	35.0	49.6	—	—	25	1
Delta Grow	DG 4765 R2Y/STS	32.7	51.5	—	—	23	1
Progeny	P4900RY	32.5	43.5	—	—	23	1
Croplan	R2T4799S	31.9	42.8	41.9	—	22	1
Dyna-Gro	S48RS53	31.6	55.9	—	—	26	1
Hornbeck	HBK RY4721	31.5	43.3	39.7	—	28	1
NK Brand	S47-N3	30.6	—	—	—	21	1
Dyna-Gro	S47RY13	30.1	44.9	—	—	25	1
Progeny	P4710RY	29.9	47.7	44.5	—	26	1
Steyer	4701R2	28.8	—	—	—	25	1
Schillinger	478.RCS	27.9	47.6	—	—	23	1
Armor	49-R56	26.6	40.9	—	—	25	1
Schillinger	4712R2	25.2	—	—	—	24	1
Mean		38.9					
LSD		8.0					
Error df		106.0					
CV		15.1					
R-sq		63.2					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV@	56R63™	54.5	59.0	51.0	—	28	1
Univ. of Arkansas	R04-1250RR	51.9	—	—	—	19	1
REV@	55R53™	51.4	63.3	—	—	16	1
Dyna-Gro	S56RY84	49.8	—	—	—	21	1
Hornbeck	HBK RY5421	49.2	54.6	47.4	—	20	1
Progeny	P5555RY	48.3	—	—	—	21	1
Univ. of Missouri	S09-6201R	48.1	—	—	—	23	1
Univ. of Arkansas	R04-1268RR	48.0	50.1	—	—	22	1
Armor	X1410	47.1	—	—	—	22	1
REV@	54R84™	47.0	56.9	—	—	16	1
REV@	56R21™	46.9	57.4	51.6	—	23	1
MPG	MPG 5214	45.2	—	—	—	16	1
Delta Grow	DG 5575RR2	45.2	—	—	—	15	1
Asgrow	AG 5634	44.8	—	—	—	30	1
Dyna-Gro	S54RY43	44.2	59.4	—	—	22	1
NK Brand	S52-Y2	43.6	—	—	—	24	1
Progeny	P5610RY	43.4	57.6	54.3	—	18	1
Dyna-Gro	S53RY23	43.2	47.8	—	—	24	1
Armor	X1312	43.0	50.0	—	—	25	1
Pioneer	P54T94R	42.6	—	—	—	19	1
AgBorn	ABX 2105	41.2	—	—	—	24	1
Dyna-Gro	32RY55	41.1	58.7	53.8	—	19	1
Armor	55-R22	40.8	—	—	—	17	1
Asgrow	AG5332	40.3	52.4	52.7	—	30	1
Steyer	5301R2	39.8	—	—	—	27	1
Delta Grow	DG 5125RR2	39.8	—	—	—	21	1
Delta Grow	DG 5475RR2	38.7	50.2	—	—	14	1
Asgrow	AG 5534	38.6	—	—	—	23	1
Delta Grow	DG 5480RR2	38.6	—	—	—	16	1
REV@	51R53™	38.6	53.5	51.4	—	24	1
Armor	X1413	38.4	—	—	—	36	1
Delta Grow	DG 5130RR2	37.4	—	—	—	26	1
REV@	52R74™	36.8	—	—	—	30	1
Schillinger	5220.RC	36.6	40.6	40.2	—	31	1
Great Heart Seed	GT-550R2	36.5	46.0	—	—	18	1
Asgrow	AG5233	36.3	50.7	—	—	27	1
Great Heart Seed	GT-500R2	36.3	43.3	—	—	27	1
Croplan	R2C5371	36.0	55.2	—	—	18	1
Armor	X1414	35.8	—	—	—	17	1
Progeny	P5333RY	35.7	—	—	—	19	1
Croplan	R2C 5081	35.6	44.1	—	—	25	1
Progeny	P5213RY	34.9	—	—	—	34	1
Hornbeck	HBK RY5221	34.1	37.0	35.4	—	31	1
Steyer	5101R2	33.7	—	—	—	29	1
Delta Grow	DG 5625RR2	33.6	—	—	—	15	1
Progeny	P5111RY	31.6	44.7	44.3	—	19	1
Pioneer	P50T64R	31.2	—	—	—	24	1
Progeny	P5210RY	30.2	47.9	46.3	—	19	1
Delta Grow	DG 5565RR2	30.2	—	—	—	16	1
Armor	53-R16	26.7	41.9	—	—	17	1
Pioneer	P50T40R	25.0	—	—	—	22	1
Armor	53-R88	23.2	44.7	43.2	—	18	1
Mean		39.8					
LSD (.10)		8.8					
Error df		102.0					
CV		16.4					
R-sq		63.2					

¹No maturity dates taken.

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

Brand	Variety	Yield			Maturity date ¹	Plant height	Lodging score
		2013	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P5711RY	46.8	58.0	52.0	—	17	1
REV®	59R13™	43.5	49.7	—	—	18	1
Asgrow	AG5831	41.0	51.2	45.2	—	19	1
REV®	57R21™	39.8	—	—	—	29	1
Dyna-Gro	39RY57	38.8	53.6	46.8	—	21	1
Mean		42.0					
LSD (.10)		10.9					
Error df		8.0					
CV		17.0					
R-sq		50.2					

¹No maturity dates taken.

Plant Characteristics

Table 63. Plant Characteristics of Maturity Group IV Conventional Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
AgBorn Genetics LLC	ABX 2174c	White	Lt. Tawny	Tan	Black	2280	4.7	
Delta Grow	DG 4967 LL	White	Grey	Tan	Imp. Black	2905	I	4.9
Delta Grow	DG 4981 LL/STS	White	Tawny	Tan	Black	2702	I	4.9
Delta Grow	DG 4990 LL	Purple	Grey	Tan	Imp. Black	3276	I	4.9
Dyna-Gro	S49LL34	—	Grey	Tan	—	3436	I	4.9
Dyna-Gro	SX13246L	—	Grey	Tan	—	3363	I	4.6
HALO	4:40	—	—	—	—	2600	—	4.2
HALO	4:65	—	—	—	—	2650	—	4.6
HALO	4:94	—	—	—	—	2750	—	4.9
HALO	4:95	—	—	—	—	3000	—	4.9
HALO	5:01	—	—	—	—	2700	—	4.9
HALO	X466	—	—	—	—	3190	—	4.6
HALO	X477	—	—	—	—	2914	—	4.7
HALO	X496	—	—	—	—	3200	—	4.9
Hornbeck	HBK LL4650	Purple	Grey	Tan	Black	2691	I	4.6
Hornbeck	HBK LL4850	White	Tawny	Tan	Black	2669	I	4.8
Hornbeck	HBK LL4950	White	Grey	Tan	Imp. Black	2796	I	4.9
Hornbeck	HBK LL4653	White	Grey	Tan	Buff	3235	I	4.6
Hornbeck	XLL 4969	Purple	Grey	Tan	Imp. Black	3399	I	4.9
Progeny	P 4560 LL	Purple	Lt. Tawny	Brown	Black	2651	I	4.5
Progeny	P4819 LL	White	Tawny	Brown	Black	3021	I	4.8
Progeny	P4928 LL	Purple	Grey	Tawny	Buff	2825	I	4.9
Progeny	P4930 LL	Purple	Grey	Tawny	Imp. Black	3357	I	4.9
USDA-ARS	JTN-4607	White	Tawny	—	Black	2972	I	4.6
Stratton Seed	Go Soy 4411LL	Purple	Lt. Tawny	Brown	Black	3067	I	4.4
Stratton Seed	Go Soy 4711 LL	Purple	Grey	Tan	Imp. Black	2489	I	4.7
Stratton Seed	Go Soy 4812 LL	White	Tawny	Brown	Black	2825	I	4.8
Stratton Seed	Go Soy 4912 LL	White	Grey	Tan	Imp. Black-Buff	2967	I	4.9
Univ. of Arkansas	R08-2797	White	Tawny	Brown	Black	—	I	4.7
Univ. of Arkansas	UA 4913C	Purple	Tawny	Tan	Black	2697	D	4.9
Univ. of Missouri	S09-10871	White	Lt. Tawny	Tan	Black	2175	I	4.8
Univ. of Missouri	S09-13608	White	Grey	Brown	Buff	2649	I	4.8
Univ. of Missouri	S09-9943	White	Lt. Tawny	Tan	Black	2340	I	4.6

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative 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/Liberty Link Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Delta Grow	DG 5361 LL	Purple	Grey	Brown	Buff	2926	D	5.3
Delta Grow	DG 5461 LL	Purple	Lt. Tawny	Tan	Brown	3215	I	5.4
Delta Grow	DG 5481 LL	Purple	Grey	Tan	Imp. Black	3021	D	5.4
Halo	5:01-5	—	—	—	—	2700	—	5.0
Halo	5:26	—	—	—	—	2700	—	5.1
Halo	5:45	—	—	—	—	3050	—	5.4
Halo	X530	—	—	—	—	2977	—	5.3
Hornbeck	HBK LL5350	White	Tawny	Tan	Black	2990	D	5.3
Progeny	P 5160 LL	White	Tawny	Brown	Black	2680	D	5.1

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 64 (continued). Plant Characteristics of Maturity Group V Conventional/Liberty Link Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Progeny	P 5460 LL	Purple	Lt. Tawny	Tawny	Brown	2890	D	5.4
Progeny	P 5960 LL	White	Grey	Brown	Buff	2877	D	5.9
USDA-ARS	JTN-4307	Purple	Tawny	—	Black	3430	D	5.0
Stratton Seed	Go Soy 5010 LL	Purple	Grey	Tan	Imp. Black-Black	2908	D	5.0
Stratton Seed	Go Soy 5111 LL	Purple	Grey	Tan	Imp. Black	2253	D	5.1
Stratton Seed	Go Soy 5312 LL	Purple	Grey	Brown	Buff	2759	D	5.3
Stratton Seed	Go Soy 5410 LL	Purple	Grey	Tan	Imp. Black	2684	D	5.4
Stratton Seed	Leland	White	Tawny	Tan	Black	2910	D	5.1
Univ. of Arkansas	Osage	Purple	Grey	Tan	Imp. Black	3391	D	5.6
Univ. of Arkansas	Ozark	Purple	Grey	Tan	Buff/Imp. Black	3041	D	5.2
Univ. of Arkansas	R05-374	Purple	Grey	Brown	Buff	2957	D	5.1
Univ. of Arkansas	UA 5213C	Purple	Grey	Tan	Buff/Imp. Black	3184	D	5.2
Univ. of Arkansas	UA 5612	Purple	Grey	Tan	Imp. Black	3350	D	5.6
Univ. of Missouri	S09-13635	White	Grey	Brown	Buff	2366	I	5.0

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

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

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
AgBom Genetics	ABX 2164	Purple	Tawny	—	Imp. Black	2479	—	4.6
AgBom Genetics	ABX 27041	White	Lt. Tawny	Tan	Black	3394	—	4.6
AGS	43R212	White	Tawny	Brown	Black	2592	I	4.3
AGS	45R212	White	Tawny	Brown	Black	2433	I	4.5
Armor	44-R08	Purple	Gray	Tan	Imp. Black	2300	I	4.4
Armor	X1401	—	—	—	—	2470	—	4.2
Armor	X1404	—	—	—	—	2730	—	4.6
Armor	X1406	—	—	—	—	2950	—	4.6
Asgrow	AG 4232	Purple	Lt. Tawny	Tan	Black	2958	I	4.2
Asgrow	AG 4433	Purple	Lt. Tawny	Tan	Black	2630	I	4.4
Asgrow	AG 4531	Purple	Lt. Tawny	Tan	Black	2562	I	4.5
Asgrow	AG 4533	Purple	Lt. Tawny	Brown	Black	2625	I	4.5
Asgrow	AG 4632	Purple	Lt. Tawny	Brown	Black	2680	I	4.6
Asgrow	AG 4633	Purple	Lt. Tawny	Tan	Black	2933	I	4.6
Croplan	R2C 4541	Purple	Lt. Tawny	Brown	Black	2538	I	4.5
Delta Grow	DG 4670RR2	Purple	Lt. Tawny	Brown	Black	2952	I	4.6
Dyna-Gro	31RY45	—	Lt. Tawny	Brown	—	2477	I	4.5
Dyna-Gro	39RY43	—	Gray	Tan	—	3001	I	4.3
Dyna-Gro	S44RS93	—	Gray	Brown	—	3266	I	4.4
Hornbeck	HBK RY4620	Purple	Lt. Tawny	Brown	Black	2136	I	4.6
Morsoy	Morsoy Xtra EXP44	Purple	Lt. Tawny	Tan	Black	2539	I	4.4
Morsoy	Morsoy Xtra EXP44	Purple	Lt. Tawny	Brown	Black	3023	I	4.4
Morsoy	Morsoy Xtra EXP44	Purple	Lt. Tawny	Tan	Black	2429	I	4.6
MPG	4514NS	White	Lt. Tawny	Tan	Black	2961	I	4.6
Mycogen	5N423R2	Purple	Gray	Brown	Imp. Black	2517	I	4.2
Mycogen	5N431R2	Purple	Gray	Tan	Imp. Black	2664	I	4.3
Mycogen	5N451R2	Purple	Lt. Tawny	Brown	Black	2798	I	4.5
NK	S44-D5	White	Lt. Tawny	Brown	Brown	3325	I	4.4
NK	S46-G9	Purple	Gray	Brown	Buff	3005	I	4.6
NK	S46-L2	Purple	Gray	Brown	Buff	2535	I	4.6
Pioneer	P46T21R	White	Lt. Tawny	Brown	Black	2554	I	4.6
Progeny	P 4211 RY	Purple	Gray	Tawny	Imp. Black	2377	I	4.2

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative 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 (continued). Plant Characteristics of Maturity Group IV Early Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Progeny	P 4313 RY	Purple	Lt. Tawny	Tawny	Black	2530	I	4.3
Progeny	P 4510 RY	Purple	Lt. Tawny	Tawny	Black	2558	I	4.5
Progeny	P 4613 RY	White	Gray	Brown	Buff	2791	I	4.6
REV@	46R64™	Purple	Tawny	Brown	Black	2518	I	4.6
REV@	46R73™	Purple	Tawny	Tan	Black	2517	I	4.6
Schillinger	458.RCS	White	Lt. Tawny	Brown	Black	2679	I	4.5
Steyer	4301R2	Purple	Lt. Tawny	Brown	Black	2700	I	4.3
USG	74F53R	Purple	Gray	Brown	Imp. Black	2735	I	4.5

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative 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 Maturity Group IV Late Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Agborn Genetics	ABX 2499	Purple	Lt. Tawny	Tan	Imp. Black	2730	—	4.7
AGS	47R212	Purple	Lt. Tawny	Brown	Black	2530	I	4.7
Armor	4744	Purple	Lt. Tawny	Tan	Black	2800	I	4.7
Armor	49-R56	Purple	Lt. Tawny	Tan	Black	2450	I	4.9
Armor	47-R13	Purple	Gray	Tan	Imp. Black	2750	I	4.8
Armor	48-R66	—	—	—	—	2950	—	4.8
Asgrow	AG 4832	Purple	Lt. Tawny	Brown	Black	2665	I	4.8
Asgrow	AG 4933	Purple	Gray	Brown	Imp. Black	2836	I	4.9
Asgrow	AG 4934	Purple	Lt. Tawny	Tan	Black	2950	I	4.9
Croplan	R2C 4752	Purple	Grey	Tan	Black	2786	I	4.7
Croplan	R2C 4799	Purple	Lt. Tawny	Tan	Black	2803	I	4.7
Delta Grow	4755RR2	Purple	Lt. Tawny	Brown	Black	2545	I	4.7
Delta Grow	4765RR2/STS	Purple	Grey	Tan	Imp. Black	2775	I	4.7
Delta Grow	4825RR2/STS	White	Lt. Tawny	Tan	Black	3279	I	4.8
Delta Grow	4880 RR	—	—	—	—	3122	I	4.8
Delta Grow	4970 RR	—	—	—	—	3162	I	4.9
Delta Grow	4925RR2	Purple	Lt. Tawny	Brown	Black	2747	I	4.9
Delta Grow	4940 RR	Purple	Tawny	Tan	Black	3417	I	4.9
Dyna-Gro	37RY47	—	Lt. Tawny	Tan	—	2531	I	4.7
Dyna-Gro	S47RY13	—	Lt. Tawny	Brown	—	2849	I	4.7
Dyna-Gro	S48RS53	—	Gray	Tan	—	3736	I	4.8
Great Heart Seed	gt476r2	—	—	Lt. Tawny	—	2477	I	4.7
Great Heart Seed	gx4798r2	—	—	Lt. Tawny	—	2306	I	4.7
Hornbeck	HBK RY4721	Purple	Lt. Tawny	Brown	Black	2715	I	4.7
Morsoy Xtra	47X12	Purple	Gray	Tan	Imp. Black	2489	I	4.7
Morsoy Xtra	48X02	Purple	Lt. Tawny	Brown	Black	2525	I	4.8
Morsoy Xtra	49X14	Purple	Lt. Tawny	Brown	Black	2477	I	4.9
MPG	4714	Purple	Lt. Tawny	Tan	Black	2888	I	4.7
Mycogen	5N478R2	Purple	Lt. Tawny	Brown	Black	2643	I	4.7
NK	S47-N3	Purple	Tawny	Brown	Buff	2826	I	4.7
NK	S49-F8	White	Lt. Tawny	Tan	Black	2721	I	4.9
Pioneer	P47T36R	White	Lt. Tawny	Brown	Black	2658	I	4.7
Pioneer	P48T53R	Purple	Tan	Tan	Black	2831	I	4.8
Pioneer	P49T80R	White	Grey	Brown	Buffed	2603	I	4.9
Pioneer	P49T97R	White	Tan	Brown	Black	2684	I	4.9
Progeny	P 4211 RY	Purple	Lt. Tawny	Tawny	Black	2961	I	4.7
Progeny	P 4313 RY	Purple	Lt. Tawny	Brown	Black	2571	I	4.7
Progeny	P 4510 RY	Purple	Grey	Tawny	Imp. Black	2544	I	4.8
Progeny	P 4613 RY	Purple	Lt. Tawny	Tawny	Black	2254	I	4.9

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative 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 (continued). Plant Characteristics of Maturity Group IV Late Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
REV®	47R34™	Purple	Lt. Tawny	Brown	Black	2487	I	4.7
REV®	47R53™	Purple	Tawny	Brown	Black	3000	I	4.7
REV®	48R22™	White	Lt. Tawny	Brown	Black	2843	I	4.8
REV®	48R33™	Purple	Tawny	Brown	Black	2507	I	4.8
REV®	48R44™	Purple	Tawny	Brown	Black	2898	I	4.8
REV®	49R22™	Purple	Lt. Tawny	Brown	Black	2808	I	4.9
REV®	49R94™	Purple	Tawny	Brown	Black	2315	I	4.9
Schillinger	4712R2	White	Tawny	Tan	Black	2592	I	4.7
Schillinger	478.RCS	Purple	Lt. Tawny	Brown	Black	2812	I	4.7
Schillinger	495.RC	Purple	Lt. Tawny	Brown	Black	2759	I	4.9
Schillinger	4990.RC	Purple	Lt. Tawny	Brown	Black	2753	I	4.9
Steyer	4701R2	Purple	Lt. Tawny	Brown	Black	2675	I	4.7
USG	74A92R	—	—	—	—	2482	—	4.9
USG	74B83R	White	Lt. Tawny	Tan	Black	2921	I	4.8
USG	74H92R	Purple	Tawny	Tan	Black	2531	I	4.9

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative 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 Maturity Group V Early Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
AgBorn Genetics	ABX 2105	Purple	Gray	—	Imp. Black	2197	—	5.0
Armor	53-R88	Purple	Gray	Tan	Imp. Black	2550	D	5.4
Armor	55-R22	Purple	Gray	Tan	Imp. Black	2550	D	5.5
Armor	X1312	—	—	—	—	2450	I	5.0
Armor	53-R16	Purple	Gray	Tan	Imp. Black	2950	D	5.4
Armor	X1410	—	—	—	—	3300	—	5.0
Armor	X1413	—	—	—	—	2770	—	5.1
Armor	X1414	—	—	—	—	3200	—	5.3
Asgrow	AG 5233	Purple	Lt. Tawny	Brown	Black	3064	I	5.2
Asgrow	AG 5332	Purple	Tawny	Tan	Black	2774	I	5.3
Asgrow	AG 5534	White	Tawny	Tan	Black	2395	D	5.5
Asgrow	AG 5634	Purple	Tawny	Tan	Black	2458	D	5.6
Croplan	R2C 5081	White	Gray	Tan	Black	2945	D	5.0
Croplan	R2C 5371	Purple	Gray	Brown	Buff	2769	D	5.3
Delta Grow	DG5125RR2	Purple	Gray	Brown	Imp. Black	2899	D	5.1
Delta Grow	DG5130RR2	Purple	Lt. Tawny Tan	Brown	Black	2514	I	5.1
Delta Grow	DG5475RR2	White	Gray	Tan	Buff	3679	D	5.4
Delta Grow	DG5480RR2	White	Gray	Tan	Buff	2847	D	5.4
Delta Grow	DG5565RR2	Purple	Gray	Tan	Imp. Black	2742	D	5.5
Delta Grow	DG5575RR2	Purple	Tawny	Red	Brown	2885	D	5.5
Delta Grow	DG5625RR2	Purple	Tawny	Tan	Black	2497	D	5.6
Dyna-Gro	32RY55	—	Gray	Tan	—	2379	D	5.5
Dyna-Gro	39RY57	—	Tawny	Tan	—	2520	D	5.7
Dyna-Gro	S53RY23	—	Gray	Brown	—	2268	D	5.3
Dyna-Gro	S54RY43	—	Gray	Tan	—	3412	D	5.4
Dyna-Gro	S56RY84	—	Tawny	Tan	—	2860	D	5.6
Great Heart Seed	gt500r2	—	—	Lt. Tawny	—	3105	I	5.0
Great Heart Seed	gt550r2	—	—	Grey	—	3322	D	5.5
Hornbeck	HBK RY5221	Purple	Gray	Tan	Imp. Black	2560	I	5.2
Hornbeck	HBK RY5421	Purple	Gray	Tan	Imp. Black	2809	D	5.4
MPG	5214	Purple	Tawny	Tan	Black	3673	I	5.2

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 67 (continued). Plant Characteristics of Maturity Group V Early Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
NK	S52-Y2	NA	NA	NA	NA	2702	I	5.2
Pioneer	P50T40R	White	Tan	Brown	Black	2626	I	5.0
Pioneer	P50T64R	White	Tan	Brown	Black	2475	I	5.0
Pioneer	P54T94R	White	Tan	Brown	Black	2923	D	5.4
Progeny	P 5111 RY	White	Gray	Tawny	Buff	2825	D	5.1
Progeny	P 5210 RY	Purple	Gray	Tawny	Imp. Black	2510	D	5.2
Progeny	P 5213 RY	Purple	Lt. Tawny	Brown	Black	2809	I	5.2
Progeny	P 5333 RY	White	Gray	Tawny	Buff	3204	D	5.3
Progeny	P 5555 RY	Purple	Tawny	Tawny	Brown	2727	D	5.5
Progeny	P 5610 RY	Purple	Gray	Tawny	Imp. Black	2598	D	5.6
REV@	51R53™	Purple	Lt. Tawny Tan	Tan	Black	2585	I	5.1
REV@	54R84™	Purple	Tawny	Tan	Black	2944	D	5.4
REV@	55R53™	White	Tawny	Brown	Black	2712	D	5.5
REV@	56R21™	Purple	Gray	Tan	Imp. Black	2740	D	5.6
REV@	56R63™	White	Gray	Tan	Buff	2788	D	5.6
Schillinger	5220.RC	White	Lt. Tawny	Tan	Black	2760	I	5.2
Steyer	5301	Purple	Lt. Tawny	Brown	Black	2835	I	5.0
Steyer	5101R2	Purple	Lt. Tawny	Brown	Black	2454	I	5.1
Univ. of Arkansas	R04-1250RR	Purple	Gray	Tan	Buff/Brown	2527	D	5.5
Univ. of Arkansas	R04-1268RR	White	Gray	Tan	Buff/Brown	3242	D	5.4
Univ. of Missouri	S09-6201R	White	Gray	Tan	Buff	2362	Semi	5.1

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 68. Plant Characteristics of Maturity Group V Late Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
REV@	57R21™	Purple	Tawny	Tan	Brown	2855	D	5.7
REV@	59R13™	Purple	Gray	Tan	Imp. Black	2988	D	5.9
Asgrow	AG 5831	Purple	Gray	Tan	Black	2826	D	5.8
Progeny	P 5711RY	Purple	Tawny	Tawny	Black	2374	D	5.7
Dyna-Gro	39RY57	—	Tawny	Tan	—	2520	D	5.7

¹Represents an average number of seed per pound, seed may vary according to season and location.

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Public Varieties Entered

University of Arkansas

Osage

Ozark

UA 5612

UA 5213C

R05-3239

R05-374

R08-2797

R04-1250RR

R04-1268RR

University of Missouri

S09-9943

S09-13608

S09-13635

S09-10871

S09-6201R

USDA Agricultural Research Service – Tennessee

JTN-4607

JTN-4307

Commercial Varieties Entered

AgBorn Genetics, LLC 2806 State Highway 7 S Garden City, MO 64747	AgBorn AgBorn AgBorn	ABX 27041 ABX 2164 ABX 2174C	AgBorn AgBorn	ABX 2499 ABX 2105
Armor Seed Highway 49/P.O. Box 9 Waldenburg, AR 72475	Armor Armor Armor Armor Armor Armor Armor	X1401 44-R08 X1404 X1406 4744 47-R13 48-R66	Armor Armor Armor Armor Armor Armor Armor	49-R56 X1312 X1410 X1413 X1414 53-R16 53-R88 55-R22
Bayer CropScience 392 CR 83 McCarley, MS 38943	Hornbeck Hornbeck Hornbeck Hornbeck Hornbeck	HBK RY4620 HBK RY4721 HBK RY5221 HBK RY5421 HBK LL4650	Hornbeck Hornbeck Hornbeck Hornbeck Hornbeck	HBK LL4653 HBK LL4850 HBK LL4950 HBK LL4953 HBK LL5350
Cache River Valley 12470 Highway 226 P.O. Box 10 Cash, AR 72421	Morsoy Xtra Morsoy Xtra Morsoy Xtra Morsoy Xtra	EXP 44 44X82 46X29 47X12	Morsoy Xtra Morsoy Xtra	48X02 49x14
Croplan by Winfield P.O. Box 64281 St. Paul, MN 55164	Croplan Croplan Croplan	R2C 4541 R2C4752 S R2C 4799 S	Croplan Croplan	R2C 5081 R2C 5371
Delta Grow Seed 220 NW 2nd P.O. Box 219 England, AR 72046	Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow	DG 4670 RR2 DG 4755 RR2 DG 4765 RR2/STS DG 4825 RR2/STS DG 4925 RR2 DG 5130 RR2 DG 5475 RR2 DG 5480 RR2 DG 5565 RR2 DG 5575 RR2	Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow Delta Grow	DG 5625 RR2 DG 4880 RR DG 4970 RR DG 5125 RR2 DG 4940 RR DG 4967 LL DG 4981 LL/STS DG 4990 LL DG 5361 LL DG 5461 LL DG 5481 LL
Great Heart Seed 220 West Washington Street Paris, IL 61944	Great Heart Seed Great Heart Seed	gt500r2 gt550r2	Great Heart Seed Great Heart Seed	gx4798r2 gt476r2
Dupont Pioneer 700 Blvd. South SW, Suite 302 Huntsville, AL 35802	Pioneer Pioneer Pioneer Pioneer	P46T21R P47T36R P48T53R P49T80R	Pioneer Pioneer Pioneer Pioneer	P49T97R P50T40R P50T64R P54T94R
Crop Production Services Dyna-Gro Seed 125 Robinson Road Houston, MS 38851	Dyna-Gro Dyna-Gro Dyna-Gro Dyna-Gro Dyna-Gro Dyna-Gro	39RY43 S44RS93 31RY45 37RY47 S47RY13 S48S53	Dyna-Gro Dyna-Gro Dyna-Gro Dyna-Gro Dyna-Gro Dyna-Gro	SX13246L S49LL34 S53RY23 S54RY43 32RY55 S56RY84 39RY57
Monsanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow Asgrow Asgrow Asgrow Asgrow Asgrow Asgrow	AG 4232 AG 4433 AG 4531 AG 4533 AG 4633 AG 4632 AG 4832	Asgrow Asgrow Asgrow Asgrow Asgrow Asgrow Asgrow	AG 4933 AG 4934 AG 5233 AG 5332 AG 5534 AG 5634 AG 5831
Mycogen Seeds	Mycogen Mycogen	5N423R2 5N431R2	Mycogen Mycogen	5N451R2 5N478R2

Progeny Ag Products 1529 Highway 193 Wynne, Ar 72396	Progeny Progeny Progeny Progeny Progeny Progeny Progeny Progeny Progeny Progeny Progeny	P 4211 RY P 4313 RY P 4510 RY P 4613 RY P 4710 RY P 4747 RY P 4850 RY P 4900 RY P 5111 RY P 5210 RY P 5213 RY	Progeny Progeny Progeny Progeny Progeny Progeny Progeny Progeny Progeny Progeny Progeny	P 5333 RY P 5555 RY P 5610 RY P 5711 RY P 4560 LL P 4819 LL P 4828 LL P 4930 LL P 5160 LL P 5460 LL P 5960 LL
Syngenta 112 Meadowlark Lane Indianola, MS 38751	NK NK NK	S44-D5 S49-F8 S46-L2	NK NK NK	S46-G9 S47-N3 S52-Y2
Steyer Seeds P.O. Box 209 Old Fort, OH 44861	Steyer Steyer	4301R2 4701R2	Steyer Steyer	5101R2 5301R2
Stratton Seed Company 1530 Highway 79 South Stuttgart, AR 72160	Schillinger Schillinger Schillinger Schillinger Schillinger Schillinger Go Soy Go Soy Go Soy Go Soy	458.RCS 478.RCS 495.RC 4990.RC 5220.RC 4712R2 4411 LL 4711 LL 4812 LL 4912 LL	Go Soy Go Soy Go Soy Go Soy AGS AGS AGS Stratton MPG MPG MPG	5010 LL 5111 LL 5312 LL 5410 LL 43R212 45R212 47R212 Leland 4514NS 4714 5214
Terral Seed, Inc. 111 Ellington Dr. Rayville, LA 71269	REV® REV® REV® REV® REV® REV® REV®	46R64™ 46R73™ 47R34™ 47R53™ 48R22™ 48R33™ 48R44™ 49R22™	REV® REV® REV® REV® REV® REV® REV® REV®	49R94™ 51R53™ 54R84™ 55R53™ 56R21™ 56R63™ 57R21™ 59R13™
U.S. Seeds 2528 Alexander Drive Jonesboro, AR 72401	HALO HALO HALO HALO HALO HALO	4:40 X466 4:66 X477 4:95 5:01	HALO HALO HALO HALO HALO HALO	4:94 X496 5:01-5 5:26 X530 5:45
UniSouth Genetics Inc. 3205-C Highway 46 S Dickson, TN 37055	USG USG	74F53R 74B83R	USG USG	74H92R 74A92R

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