Information Bulletin 460 January 2011

MISSISSIPPI SOYBEAN

VARIETY TRIALS, 2010

MAFES

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

Mississippi State University • Mark E. Keenum, President • Gregory A. Bohach, Vice President

NOTICE TO USER

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

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 77-79 is gratefully acknowledged.

Trade names of commercial products used in this report are included only for clarity and understanding. All available names (i.e., trade names, code numbers, chemical names, etc.) of varieties or products used in this research project are listed on pages 77-79.

The Mississippi Soybean Promotion Board provided partial funding for the 2010 Mississippi Soybean Variety Trials publication.

Mississippi Soybean Variety Trials, 2010

Brad Burgess
Operations Manager, Variety Evaluations
Mississippi State University

Trey Koger
Extension Soybean Specialist
Delta Research and Extension Center

Frankie Boykin
Manager of Operations
Black Belt Branch Experiment Station

Robert Martin
County Extension Director
Issaquena and Sharkey Counties

Jay Phelps
Area Extension Agent
Pontotoc County

Dennis Reginelli
Area Extension Agent
Noxubee County

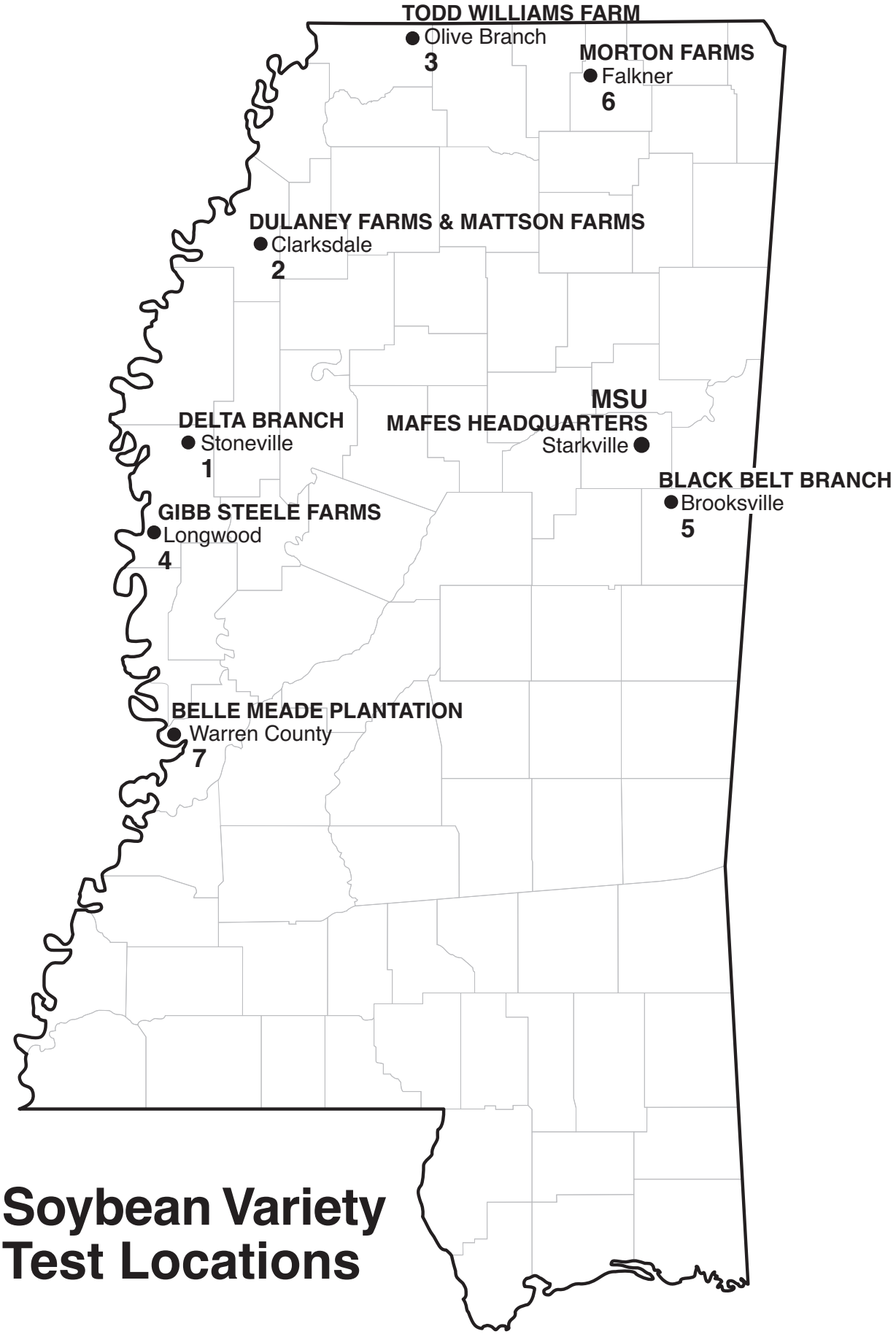
Don Respess
County Extension Director
Coahoma Extension Service

Dennis Rowe
Statistician, Experimental Statistics
Mississippi State University

Gabe Sciumbato
Research Professor
Delta Research and Extension Center

Mark Silva
Extension Associate II
Delta Research and Extension Center

Recognition is given to Jake Bullard, Jerry W. Nail, and Loyd B. Cooper, research technicians for the Variety Testing Program, for their assistance in packaging, planting, harvesting, and recording plot data; and Dennis Rowe for statistical analyses. This publication was prepared by Martesa Bishop, office associate for MAFES Research Support Units. It was published by the Office of Agricultural Communications, a unit of the Division of Agriculture, Forestry, and Veterinary Medicine at Mississippi State University.



Soybean Variety Test Locations

Contents

Mississippi Soybean Variety Trials, 2010

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 2010 (see map). Commercial seed companies were given the opportunity to enter varieties for testing. Seed of all private entries were supplied by the participating companies. Public varieties were selected by the Technical Advisory Committee for evaluation at each location. The experimental design at each location for each maturity group was a randomized complete block, with three replications of each entry.

Seeding Rate. All seeds were packaged for planting at the rate of nine seeds per foot of row for 30-inch row spacing and at the rate of six seeds per foot for 18-inch row spacing. Plots were planted with a cone planter. Irrigated plots had four rows, spaced 30 inches apart; nonirrigated plots had three rows, spaced 18 inches apart. All irrigated plots were planted to a plot length of 16 feet by using a planter with a cable trip system. All nonirrigated plots were planted to a length of 18 feet. Plot ends were trimmed to a uniform length 3 to 4 weeks after emergence.

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

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

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

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

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

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

How to Select Varieties

In Problem or Difficult Fields

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

(2) Use Tables 77 to 85 to select varieties for fields that need disease resistance.

(3) Select varieties using multiyear averages from all available locations. Identify those varieties that have desired pest resistance along with a high yield potential. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown. Consider planting dates and maturity dates that may allow you to avoid historical field problems.

In Nonproblem Fields

(1) Identify the farm's highest yielding fields that have no specific disease problems.

(2) Select varieties with the best yield potential using multiyear averages from all available locations. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown.

(3) Try new varieties on a limited number of acres. Don't abandon older, consistent-performing varieties that are yielding well unless research and experience show an advantage for newer varieties.

Planting Date and Maturity Date

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

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

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

Herbicide-Resistant Varieties

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

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

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

General Characteristics of Varieties

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

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

Seed Size. There is no relationship between inherited seed size and seed yield. A small-seeded variety may yield as much as or more than a large-seeded variety. The average seed per pound for different varieties is shown in Tables 69 to 72, but this is subject to seasonal variation. Knowing the number of seed per pound is important in determining the amount of seed needed for planting. Fewer pounds are required for small-seeded varieties than for large-seeded varieties. Your county Extension office has a publication

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

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

Within the Maturity Group IV trials, the wide variation in maturity dates is attributed to lack of rigid standards for classifying varieties within a group. It was decided to subdivide both the Group IV and Group V trials into two maturity groups. All maturity groups were assigned an early- and late-maturity check:

Conventional Test

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

Roundup Ready Test

Maturity Group	Early Check	Late Check
Group IV Early	—	AG4403
Group IV Late	AG4403	P94M80
Group V Early	P94M80	DP5915
Group V Late	DP5915	

Use of Data Tables and Summary Statistics

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

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

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

The difference between variety Abe and variety Bill is 5 bushels per acre (40 - 35 = 5). This difference is **smaller** than the LSD (7 bushels per acre). Consequently, it is concluded that variety Abe and variety Bill have the same yield potential, since the observed difference occurred purely due to chance.

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

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

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

Table 1. Summary of Yields for Maturity Group IV Conv. for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Delta Avg.	Brooksville	Falkner	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DG 4861LL	Delta Grow	57.6	56.7	57.2	16.2	65.5	40.9		49.0
E4920	eMerge	74.7	63.4	69.0	32.7	76.8	54.7		61.9
XP4520	eMerge	65.9	61.9	63.9	27.7	62.4	45.0		54.5
HBK C4926	Hornbeck	70.9	63.2	67.1	31.2	71.3	51.2		59.2
HBK C4929	Hornbeck	64.7	66.9	65.8	35.8	75.8	55.8		60.8
ATLANTA 1047RR2Y	Merschman	67.2	72.7	69.9	26.6	73.6	50.1		60.0
HOUSTON 747RR	Merschman	78.4	68.9	73.6	25.1	79.5	52.3		63.0
MIAMI 949LL	Merschman	70.2	68.1	69.1	24.4	72.3	48.3		58.7
NASHVILLE 749RR	Merschman	82.5	72.8	77.6	20.3	77.2	48.8		63.2
ORLANDO 1048LL	Merschman	64.4	59.4	61.9	17.4	60.2	38.8		50.3
P4860LL (E)	Progeny	54.8	60.7	57.8	18.6	67.0	42.8		50.3
P4928LL	Progeny	63.0	65.3	64.2	26.5	70.5	48.5		56.3
P4960LL (E)	Progeny	73.5	67.0	70.3	19.8	74.2	47.0		58.6
Progeny P4910	Progeny	66.3	70.5	68.4	28.0	75.1	51.5		60.0
LG01-5087-5	Public	61.3	57.5	59.4	29.3	64.0	46.6		53.0
S07-5049 (E)	Public	58.6	59.3	59.0	15.6	69.5	42.6		50.8
S07-5117 (E)	Public	70.4	68.2	69.3	20.6	79.5	50.0		59.7
S07-5151 (E)	Public	65.2	57.9	61.6	21.0	74.9	47.9		54.8
UA 4805	Public	43.5	68.5	56.0	36.5	63.0	49.8		52.9
UA 4910	Public	53.7	66.7	60.2	27.8	63.6	45.7		52.9
Y163-2 (E)	Public	40.5	35.8	38.1	17.5	52.9	35.2		36.7
Y227-1 (E)	Public	54.5	42.1	48.3	26.5	63.3	44.9		46.6
Y227-2 (E)	Public	58.3	46.7	52.5	24.4	55.5	39.9		46.2
MPG-X-410-1 (E)	Super Soy	79.7	76.4	78.1	28.3	73.5	50.9		64.5
SS-09L.49N	Super Soy	68.1	69.8	68.9	22.5	73.3	47.9		58.4
SS-11L.48N	Super Soy	61.1	59.7	60.4	18.7	70.6	44.6		52.5
SSC-049N	Super Soy	56.0	70.7	63.4	37.0	74.4	55.7		59.6
Halo 4:65	US Seeds	65.8	67.9	66.9	17.9	77.7	47.8		57.3
Halo 4:94	US Seeds	69.6	64.3	67.0	25.6	78.3	52.0		59.5
Overall Mean		64.2	63.1	63.6	24.8	70.2	47.5		55.6
LSD (.10)		9.3			4.6	7.5			
Error degrees of freedom		56			56	56			
CV (%)		10.6			13.7	7.8			
R^2 (%)		76.2			84.4	72.1			

[1](E) = Experimental.

Table 2. Summary of Yields for Maturity Group V Conv. for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Delta Avg.	Brooksville	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DG 5461RR	Delta Grow	57.7	62.3	60.0	21.5	64.7	43.1		51.6
CB 5209	Morsoy	59.6	57.6	58.6	23.2	75.8	49.5		54.1
ES5222 (E)	Eagle Seed	61.2	66.5	63.9	24.9	68.1	46.5		55.2
e5110	eMerge	64.7	67.6	66.1	21.4	70.8	46.1		56.1
HBK C5025	Hornbeck	54.7	56.2	55.4	18.6	73.3	45.9		50.7
HBK C5528	Hornbeck	51.5	57.0	54.3	17.7	81.4	49.5		51.9
OLYMPUS 1051LL	Merschman	54.5	67.3	60.9	23.9	71.7	47.8		54.3
RUSHMORE 959RR	Merschman	55.4	54.5	55.0	23.6	85.8	54.7		54.9
WHITNEY 1154LL	Merschman	64.0	63.1	63.5	23.2	67.1	45.1		54.3
P5160LL (E)	Progeny	48.7	66.6	57.6	24.0	68.2	46.1		51.9
P5460LL (E)	Progeny	65.7	62.8	64.2	21.4	72.1	46.7		55.5
P5960LL (E)	Progeny	58.3	54.9	56.6	22.2	62.5	42.3		49.5
Progeny P5770	Progeny	67.2	66.6	66.9	23.1	79.6	51.3		59.1
DB03-8416 (E)	Public	67.0	65.0	66.0	23.9	64.4	44.2		55.1
DB04-10836 (E)	Public	71.0	64.5	67.7	20.3	75.7	48.0		57.9
DB06-2257 (E)	Public	60.8	63.2	62.0	24.1	72.0	48.0		55.0
Jake	Public	57.1	62.8	60.0	16.0	74.8	45.4		52.7
JTN-5203 (E)	Public	48.7	52.6	50.7	20.1	63.8	41.9		46.3
Osage	Public	50.0	75.8	62.9	24.4	77.1	50.7		56.8
Ozark	Public	39.5	60.7	50.1	21.8	78.4	50.1		50.1

[1](E) = Experimental.

Table 2 (cont.). Summary of Yields for Maturity Group V Conv. for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville Irr.	Delta Avg.	Brooksville	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
R04-357 (E)	Public	58.3	69.4	63.9	23.0	80.5	51.7		57.8
S05-11268 (E)	Public	58.8	71.3	65.0	25.5	76.1	50.8		57.9
S05-11482 (E)	Public	68.7	67.5	68.1	26.3	78.4	52.4		60.2
V98-2711	Public	53.1	71.1	62.1	21.5	76.3	48.9		55.5
SS-10L.51N	Super Soy	59.2	67.6	63.4	21.0	71.3	46.2		54.8
SSC-051N	Super Soy	69.9	69.7	69.8	21.5	83.6	52.5		61.1
Halo 5:25	US Seeds	55.8	65.7	60.8	23.3	69.8	46.5		53.7
Halo 5:65	US Seeds	55.1	56.6	55.8	23.8	70.9	47.3		51.6
Overall Mean		58.4	63.8	61.1	22.3	73.4	47.8		54.5
LSD (.10)		8.3	3.7	6.0	4.7	7.2	6.0		6.0
Error degrees of freedom		54	54		54	54			
CV (%)		10.4	4.2		15.4	7.2			
R^2 (%)		71.2	87.3		43.1	67.1			

[1](E) = Experimental.

Table 3. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Belle Meade	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AV 45x5RR	AgVenture	67.6	6.7	62.1	60.6	18.0	60.4	45.9	16.4	69.1	48.8	52.5	46.7	46.3
Armor 42-M1	Armor	72.8	12.1	60.7	66.2	19.9	67.8	49.9	24.7	67.9	42.0	67.5	50.5	50.2
AG4130	Asgrow	64.4	13.7	58.8	67.1	20.4	70.8	49.2	19.3	66.4	42.0	61.8	47.4	48.3
AG4303	Asgrow	71.7	8.7	54.7	70.1	24.8	64.2	49.0	22.7	65.6	46.9	62.2	49.3	49.2
AG4531	Asgrow	73.5	11.0	77.8	73.5	16.4	66.0	53.0	24.6	64.7	46.0	66.2	50.4	51.7
AG4605	Asgrow	68.4	13.1	70.1	69.8	18.6	64.4	50.7	21.4	80.0	51.1	71.2	55.9	53.3
AG4630	Asgrow	66.2	12.1	61.8	70.5	18.5	60.8	48.3	26.3	63.9	43.7	61.1	48.7	48.5
EXP941R2	Asgrow	75.0	17.6	55.6	55.8	25.0	67.8	49.5	20.1	69.0	44.1	58.9	48.0	48.8
EXP943R2	Asgrow	66.5	10.2	64.5	52.6	21.9	61.2	46.2	22.5	68.4	46.4	58.3	48.9	47.5
EXP944R2	Asgrow	67.6	14.7	49.5	69.4	17.0	63.5	46.9	21.7	69.9	44.3	52.0	47.0	47.0
EXP946R2	Asgrow	68.2	16.6	59.9	71.4	25.9	60.8	50.5	18.0	72.4	51.7	70.9	53.2	51.9
RC 4417	Croplan Genetics	60.0	14.4	49.6	48.3	24.0	56.4	42.1	21.3	61.6	37.4	52.7	43.3	42.7
RT 4539	Croplan Genetics	62.5	11.1	60.3	59.4	14.0	56.0	43.9	32.0	59.0	48.5	55.3	48.7	46.3
DG 4470RR/STS	Delta Grow	64.4	6.4	47.1	64.7	22.0	61.6	44.4	21.0	75.2	42.8	56.6	48.9	46.6
DKR 4440 (E)	Delta King	59.7	6.5	60.2	58.4	18.5	56.0	43.2	24.8	73.6	46.1	51.5	49.0	46.1
DG 34RY46	Dyna-Gro	73.3	11.2	68.2	73.0	21.3	64.0	51.8	26.6	72.9	44.1	70.7	53.6	52.7
DG 35X43	Dyna-Gro	69.2	7.0	53.1	57.8	17.2	58.2	43.7	24.8	62.8	54.2	56.1	49.5	46.6
DG 36C44	Dyna-Gro	68.4	11.2	54.5	64.7	22.4	66.2	47.9	19.9	77.1	48.1	64.2	52.3	50.1
ES 4333RR	Eagle Seed	66.8	6.9	60.2	58.6	12.4	54.8	43.3	25.8	69.4	54.5	59.5	52.3	47.8
HBK R4527	Hornbeck	62.8	12.5	67.2	58.2	14.7	54.7	45.0	24.1	64.2	48.0	55.8	48.0	46.5
HBK R4729	Hornbeck	66.0	10.2	72.1	69.2	17.0	50.0	47.4	19.5	64.4	41.7	59.7	46.3	46.9
MEMPHIS 943RR	Merschman	69.3	14.8	67.0	74.9	19.6	66.8	52.1	24.6	74.7	49.1	73.5	55.5	53.8
NK S44-D5 Brand	NK Brand	67.6	13.9	61.3	67.0	18.6	60.1	48.1	13.5	66.9	39.2	61.8	45.3	46.7
93Y92	Pioneer	63.7	15.6	46.7	56.8	21.9	65.0	45.0	14.8	70.8	44.8	59.7	47.5	46.3
94Y20	Pioneer	64.1	17.7	48.3	58.2	21.2	58.7	44.7	24.5	68.9	47.1	52.6	48.3	46.5
94Y40	Pioneer	66.5	5.7	62.9	63.8	20.7	68.5	48.0	18.6	77.3	50.9	71.0	54.5	51.2
P3910RY (E)	Progeny	62.8	12.2	44.0	50.5	22.9	58.1	41.8	15.7	64.0	34.1	52.2	41.5	41.6
P4209RY	Progeny	66.9	14.0	64.6	67.1	20.1	63.1	49.3	23.6	68.7	50.9	66.4	52.4	50.9
P4510RY (E)	Progeny	71.0	11.0	72.4	77.3	17.8	59.3	51.5	18.6	69.1	43.5	70.2	50.4	50.9
P4610RY (E)	Progeny	67.7	11.8	61.3	73.0	22.6	68.4	50.8	30.2	73.3	50.5	65.8	54.9	52.9
Progeny 4206RR	Progeny	63.5	13.6	49.1	63.7	20.8	64.1	45.8	13.1	70.6	39.7	66.2	47.4	46.6
Progeny 4606RR	Progeny	67.5	11.0	67.4	66.9	15.5	61.3	48.3	26.6	72.8	58.3	74.9	58.2	53.2
Progeny P3909RR (E)	Progeny	63.6	11.7	48.0	47.8	18.5	54.1	40.6	22.0	72.6	42.6	58.8	49.0	44.8
S07-15722 (E)	Public	63.1	6.0	62.7	52.9	13.9	50.9	41.6	17.4	65.9	49.1	59.6	48.0	44.8
44R22 TM	REV TM	71.4	11.3	64.7	63.4	19.4	67.2	49.6	15.6	70.9	61.5	65.3	53.3	51.4
45R10TM	REVTM	60.9	6.4	53.9	60.5	17.7	55.4	42.5	18.3	68.6	48.2	53.9	47.3	44.9
457.RCP	Schillinger	66.5	6.4	64.7	61.2	18.8	54.0	45.3	23.6	66.3	44.7	58.9	48.4	46.8
458.RCS (E)	Schillinger	69.6	14.8	55.8	64.9	19.9	63.1	48.0	20.0	74.0	40.7	71.1	51.4	49.7
TV46R15	Terral	60.7	10.5	53.8	50.5	16.8	50.9	40.5	32.8	59.7	45.7	48.3	46.6	43.6
TV46R19	Terral	54.3	3.1	61.0	59.8	19.0	56.0	42.2	31.0	64.7	45.4	62.0	50.8	46.5
USG 74A69	USG	74.8	12.8	67.4	74.8	20.2	60.8	51.8	18.4	72.3	45.3	66.6	50.7	51.2

[1](E) = Experimental.

Table 3 (cont.). Summary of Yields for Maturity Group IV Early Roundup Ready for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Belle Meade	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
USG 74C69R	USG	65.5	6.5	59.9	62.6	14.4	57.0	44.3	25.3	64.8	54.1	53.2	49.4	46.8
USG 74T59	USG	63.9	9.6	64.3	58.2	17.1	52.1	44.2	22.3	72.1	45.9	54.3	48.7	46.4
VPM 44X1	VP Maxx	65.9	12.6	54.1	55.8	23.0	54.9	44.4	18.7	70.4	46.2	59.0	48.6	46.5
Overall Mean		66.5	11.1	59.6	63.0	19.3	60.4	46.6	22.0	69.0	46.6	61.1	49.7	48.2
LSD (.10)		6.7	2.4	7.9	4.9	3.9	8.7		2.5	6.5	6.2	6.6		
Error degrees of freedom		86	86	86	86	86	86		86	86	86	86		
CV (%)		7.4	16	9.8	5.7	14.8	10.7		15.9	7	9.7	7.9		
R^2 (%)		60	85.4	73	87.2	64.6	53.7		72.8	59	72.1	77.3		

[1](E) = Experimental.

Table 4. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Belle Meade	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AV48A8RR	AgVenture	68.0	16.4	72.7	71.2	30.1	57.1	52.6	26.4	71.4	62.2	68.1	57.0	54.8
Armor 47-F8	Armor	69.0	15.9	62.7	64.9	21.9	60.9	49.2	21.1	72.5	58.5	69.9	55.5	52.3
Armor 47-G10	Armor	60.9	15.7	74.2	64.2	25.3	58.1	49.7	25.8	68.7	57.7	64.8	54.3	52.0
Armor 47-R33	Armor	68.9	14.3	64.4	69.5	24.9	59.1	50.2	24.0	61.7	53.0	68.8	51.9	51.0
ARX 1472 (E)	Armor	72.7	11.2	41.0	58.6	13.6	63.2	43.4	13.8	67.1	45.5	57.8	46.1	44.7
ARX 1477 (E)	Armor	69.3	15.5	59.8	68.1	23.7	60.8	49.5	22.1	57.7	51.2	68.8	50.0	49.7
ARX 1478 (E)	Armor	68.6	19.5	59.5	61.8	19.0	57.7	47.7	21.2	59.5	51.9	63.0	48.9	48.3
ARX 1481 (E)	Armor	70.6	14.0	63.6	74.2	25.0	60.7	51.3	25.4	68.0	51.5	63.3	52.0	51.7
ARX 1482 (E)	Armor	66.5	14.0	64.3	74.2	27.7	66.1	52.1	23.1	72.6	54.3	67.3	54.3	53.2
AG4404	Asgrow	67.7	14.8	73.5	68.3	17.3	53.5	49.2	25.7	65.1	49.7	68.5	52.2	50.7
AG4730	Asgrow	68.0	15.1	67.9	70.0	18.8	64.6	50.7	25.2	61.2	55.1	64.3	51.4	51.1
AG4907	Asgrow	66.0	14.0	70.9	71.0	21.7	60.6	50.7	22.8	71.4	50.8	69.8	53.7	52.2
AG4831	Asgrow	75.0	20.4	68.8	69.1	27.5	66.3	54.5	25.9	68.7	48.9	67.9	52.9	53.7
RC 4757	Croplan Genetics	68.1	15.9	59.0	65.2	24.0	63.4	49.3	26.3	76.1	47.7	62.8	53.2	51.2
RC 4877	Croplan Genetics	69.1	17.6	57.0	69.0	19.3	65.0	49.5	15.1	67.9	49.1	64.6	49.2	49.3
DG 4880RR	Delta Grow	66.3	15.5	59.1	65.9	25.7	60.3	48.8	25.2	72.3	52.6	67.6	54.4	51.6
DG 4970RR	Delta Grow	63.8	16.8	63.7	62.2	24.9	57.6	48.2	21.6	73.1	47.4	58.0	50.0	49.1
DG4770RR	Delta Grow	61.5	15.5	60.7	62.8	26.3	59.2	47.7	18.2	66.6	48.2	62.4	48.8	48.3
DG4975LARR	Delta Grow	66.2	9.6	70.6	68.1	26.1	56.3	49.5	30.0	62.6	48.4	57.2	49.5	49.5
DK 4968	Delta King	56.8	11.4	56.7	49.9	18.8	46.0	40.0	20.9	62.2	49.9	52.3	46.3	43.1
DKR 4744s	Delta King	71.9	14.5	71.6	73.9	25.3	62.1	53.2	26.5	63.1	45.7	69.4	51.2	52.2
DKX 1473 (E)	Delta King	64.4	15.6	64.0	61.1	20.4	54.5	46.7	23.2	59.4	53.1	56.0	47.9	47.3
DKX 1474 (E)	Delta King	57.6	16.9	60.3	58.0	23.3	54.1	45.0	21.5	60.4	49.1	57.9	47.2	46.1
DKX 1491 (E)	Delta King	68.8	17.5	73.6	65.5	16.7	58.4	50.1	25.7	69.7	45.1	72.0	53.1	51.6
DKX 1492 (E)	Delta King	68.7	13.0	76.7	63.2	21.6	56.6	50.0	25.1	66.5	50.4	69.7	52.9	51.4
DG 33G48	Dyna-Gro	69.5	15.6	63.7	68.4	28.1	65.2	51.8	21.9	69.7	63.1	65.3	55.0	53.4
DG 35RY47	Dyna-Gro	63.7	16.7	64.1	61.8	22.4	60.1	48.1	23.3	64.9	48.1	59.8	49.0	48.6
DG 37P49	Dyna-Gro	69.7	8.8	72.5	69.7	21.9	59.7	50.4	27.7	65.4	56.4	64.2	53.4	51.9
ES 4777	Eagle Seed	69.4	8.5	60.7	64.7	18.2	64.7	47.7	28.1	71.4	58.0	71.7	57.3	52.5
ES 4818	Eagle Seed	65.6	9.8	66.3	61.6	23.5	54.1	46.8	24.6	69.6	48.2	64.5	51.7	49.3
ES4988RR	Eagle Seed	39.1	3.1	45.8	50.5	10.9	46.9	32.7	28.5	60.6	41.1	57.3	46.9	39.8
ES4998RR	Eagle Seed	66.3	12.1	71.7	70.0	25.3	60.0	50.9	24.3	72.9	58.9	63.3	54.9	52.9
HBK R4829	Hornbeck	70.2	21.8	71.2	69.9	28.3	60.2	53.6	24.7	71.8	54.1	60.1	52.7	53.1
HBK R4924	Hornbeck	65.2	14.9	73.8	67.9	24.1	65.2	51.8	28.0	68.8	50.3	65.4	53.1	52.5
MorSoy RT4707N	MorSoy	65.6	13.1	58.2	69.6	18.3	63.6	48.1	12.1	60.5	51.0	62.2	46.5	47.3
MorSoy RT4955N (E)	MorSoy	67.4	7.6	70.1	71.3	18.2	55.8	48.4	23.8	69.1	49.3	69.4	52.9	50.7
MorSoy RTs4824	MorSoy	59.6	9.8	77.4	72.6	20.9	55.7	49.3	28.7	69.2	52.1	61.8	52.9	51.1
R2 491 (E)	MorSoy	63.9	15.1	53.2	61.5	24.3	66.3	47.4	21.9	58.0	47.1	60.5	46.9	47.1
R2 496 (E)	MorSoy	68.5	11.8	73.4	62.8	16.0	56.6	48.2	26.6	61.0	51.8	68.5	52.0	50.1
R2S 480 (E)	MorSoy	73.8	10.6	62.0	77.9	25.8	64.8	52.5	27.9	67.6	54.0	68.5	54.5	53.5
R2S 4800	MorSoy	67.0	16.2	59.0	65.9	20.3	60.7	48.2	24.0	65.9	48.6	65.7	51.0	49.6
R2S 481 (E	MorSoy	74.7	14.1	69.8	73.0	29.2	60.1	53.5	27.3	64.8	48.6	68.0	52.2	52.8
NK S47-R3 Brand	NK Brand	58.9	6.6	56.5	66.3	24.5	54.3	44.5	26.0	69.1	49.5	47.9	48.1	46.3
NK S49-A5 Brand	NK Brand	61.7	7.0	51.3	63.7	15.0	56.0	42.4	18.9	62.5	51.8	62.1	48.8	45.6
S49-H7 Brand	NK Brand	63.1	12.4	59.6	59.4	16.4	53.7	44.1	23.7	64.4	43.9	64.4	49.1	46.6
94Y70	Pioneer	68.0	18.1	61.7	68.1	22.5	67.1	50.9	23.3	75.1	49.8	63.1	52.8	51.9

[1](E) = Experimental.

Table 4 (cont.). Summary of Yields for Maturity Group IV Late Roundup Ready for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Nonirr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Belle Meade	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
94Y80	Pioneer	65.3	30.0	66.1	62.5	35.6	57.7	52.9	32.3	67.5	56.2	60.6	54.2	53.5
94Y90	Pioneer	62.5	22.1	62.8	66.5	25.5	61.0	50.1	24.7	69.7	56.7	65.7	54.2	52.1
94Y92	Pioneer	62.1	19.5	67.7	60.1	23.1	56.7	48.2	27.3	72.3	48.7	69.6	54.5	51.3
P4710RY (E)	Progeny	75.2	15.3	69.7	77.9	29.0	57.3	54.1	25.0	55.2	50.4	66.6	49.3	51.7
P4750RR	Progeny	66.3	21.2	63.9	69.0	25.5	68.9	52.4	24.9	67.6	47.8	69.1	52.3	52.4
P4807RR	Progeny	67.4	13.4	60.8	63.3	17.9	60.7	47.2	16.5	58.7	55.4	56.2	46.7	47.0
P4810RY (E)	Progeny	66.0	18.0	71.6	71.9	22.9	64.2	52.4	23.9	55.4	49.6	66.2	48.8	50.6
P4920RY (E)	Progeny	68.0	16.3	65.4	69.8	13.6	59.5	48.8	26.0	71.3	53.1	68.0	54.6	51.7
Progeny 4906RR	Progeny	67.6	17.0	69.7	68.7	21.2	57.1	50.2	35.5	69.5	48.9	63.8	54.4	52.3
Progeny 4908RR (E)	Progeny	49.1	15.4	62.5	66.5	27.1	54.4	45.8	32.4	71.7	57.6	70.9	58.2	52.0
Progeny 4949RR	Progeny	57.9	15.9	67.6	68.5	30.7	51.0	48.6	28.0	64.1	54.3	52.9	49.8	49.2
S06-3095 (E)	Public	60.6	18.3	53.9	55.2	24.3	57.2	44.9	29.9	68.0	41.4	57.0	49.1	47.0
47R22 TM	REV TM	65.4	17.7	65.7	63.3	23.8	61.2	49.5	15.5	70.0	46.4	56.6	47.1	48.3
48R21 TM	REV TM	65.4	19.3	65.7	65.0	25.9	57.3	49.7	23.0	61.9	40.0	68.9	48.5	49.1
48R22 TM	REV TM	68.5	21.8	55.2	57.8	29.1	62.2	49.1	22.3	71.4	51.7	61.9	51.8	50.4
49R22 TM	REV TM	67.2	20.7	69.7	68.7	27.7	60.3	52.4	29.3	67.7	53.2	72.8	55.7	54.1
48R10TM	REVTM	65.0	15.5	63.0	63.1	24.4	51.7	47.1	20.2	69.2	47.7	67.5	51.2	49.2
49R10TM	REVTM	64.8	17.1	63.8	61.2	23.2	54.8	47.5	24.8	61.1	54.1	66.9	51.7	49.6
49R11TM	REVTM	59.0	16.6	56.8	55.3	26.4	55.6	44.9	20.8	64.8	49.7	57.7	48.2	46.6
478.RCS	Schillinger	72.0	10.5	73.8	66.0	20.9	56.6	50.0	18.4	69.7	52.6	59.4	50.0	50.0
495.RC	Schillinger	59.9	16.5	65.0	64.6	30.4	54.8	48.5	23.1	68.6	53.4	63.7	52.2	50.4
4990.RC	Schillinger	61.8	13.7	63.7	63.6	24.8	60.6	48.0	24.2	68.4	55.9	67.2	53.9	51.0
TV47R18	Terral	56.5	7.5	65.5	62.5	16.3	54.7	43.8	21.6	66.5	54.1	64.2	51.6	47.7
TV49R17	Terral	54.8	8.7	59.9	59.6	23.2	52.6	43.1	27.2	69.4	59.7	69.3	56.4	49.8
TV49R19	Terral	58.2	7.6	61.0	60.5	18.1	49.1	42.4	25.5	64.5	50.1	75.2	53.8	48.1
USG 74A91	USG	67.5	14.6	65.3	67.7	24.7	55.2	49.2	29.4	61.2	45.6	59.4	48.9	49.0
USG 74G78	USG	67.4	10.9	70.0	74.4	19.3	59.1	50.2	23.2	78.2	60.5	72.3	58.5	54.4
Overall Mean		65.3	14.7	64.4	65.7	23.0	58.7	48.6	24.3	66.7	51.3	64.3	51.7	50.2
LSD (.10)		6	4	6.3	6.6	5	6.1		2.5	6.9	6.8	8.1		
Error degrees of freedom		144	144	144	144	144	144		144	144	144	144		
CV (%)		6.8	20.3	7.2	7.4	16	7.8		12.6	7.6	9.8	9.3		
R^2 (%)		72.9	76.4	77.3	66.5	69.8	63.9		73.4	59.2	61.7	60.4		

[1](E) = Experimental.

Table 5. Summary of Yields for Maturity Group V Early Roundup Ready for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Belle Meade	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AGS 554RR	AGS	69.7	56.7	58.6	56.9	60.5	14.9	71.0	80.0	79.9	61.4	61.0
AGS 568RR	AgSouth	69.1	47.8	60.2	60.2	59.3	25.6	75.7	68.1	74.2	60.9	60.1
AV 50X6RR	AgVenture	68.0	64.4	70.8	51.9	63.8	16.9	51.0	52.7	59.4	45.0	54.4
AV 51X5RR	AgVenture	67.9	51.1	61.6	45.0	56.4	22.4	71.9	47.1	72.7	53.5	54.9
AV 54X4RR	AgVenture	68.4	50.6	60.6	58.5	59.5	11.3	68.7	70.9	73.2	56.0	57.8
AARX 1531 (E)	Amor	63.3	50.8	62.6	65.4	60.5	15.2	67.5	48.6	62.5	48.4	54.5
Armor 53-Z5	Armor	65.9	52.8	64.7	65.3	62.2	14.8	74.5	51.1	58.8	49.8	56.0
ARX 1535 (E)	Armor	76.6	51.3	71.4	65.2	66.1	20.6	64.8	55.8	77.4	54.7	60.4
ARX 1551 (E)	Armor	56.7	51.3	51.6	41.1	50.2	19.1	56.6	58.5	49.8	46.0	48.1
ARX 1552 (E)	Armor	57.0	53.4	47.0	44.8	50.6	19.8	56.7	54.7	53.5	46.2	48.4
AG5331	Asgrow	61.4	51.2	60.3	58.6	57.9	14.1	60.1	48.9	60.2	45.8	51.8
AG5431	Asgrow	60.8	57.7	53.0	42.9	53.6	26.0	57.3	53.1	66.7	50.8	52.2
AG5531	Asgrow	67.9	50.1	65.5	56.2	59.9	17.3	59.5	46.1	57.5	45.1	52.5
RC 5007S	Croplan Genetics	67.7	44.9	65.7	57.5	58.9	19.9	68.7	41.5	67.5	49.4	54.2
RC 5419	Croplan Genetics	69.0	55.4	66.6	53.4	61.1	26.8	70.5	48.5	75.0	55.2	58.1
DG 5275RR2	Delta Grow	75.8	52.9	72.6	60.5	65.5	20.9	72.3	52.6	70.6	54.1	59.8
DG 5280RR	Delta Grow	65.0	42.1	64.0	54.9	56.5	13.4	67.0	54.9	60.7	49.0	52.8
DG 5555RR	Delta Grow	68.8	49.3	64.6	52.2	58.7	27.6	70.1	51.6	72.2	55.4	57.0
DG5300RR	Delta Grow	71.1	48.5	64.7	61.5	61.4	17.7	61.2	53.6	77.1	52.4	56.9
Delta King GP-500	Delta King	59.1	54.6	71.3	57.9	60.7	26.2	61.9	45.6	72.2	51.5	56.1
Delta King GP-533	Delta King	64.6	45.1	64.2	63.4	59.3	22.5	65.8	62.7	79.5	57.6	58.5
DK 5363	Delta King	68.1	55.2	65.5	56.6	61.4	20.6	73.1	63.0	75.1	57.9	59.6
DKX 1533 (E)	Delta King	76.1	52.0	68.0	59.2	63.9	19.2	74.4	54.3	75.6	55.9	59.9

[1](E) = Experimental.

Table 5 (cont.). Summary of Yields for Maturity Group V Early Roundup Ready for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Belle Meade	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DKX 1534 (E)	Delta King	74.1	52.6	70.3	60.2	64.3	18.2	71.2	47.2	73.1	52.4		58.4
DKX 1537 (E)	Delta King	61.6	44.2	65.9	51.3	55.7	18.2	57.3	58.2	67.7	50.3		53.0
DKX 1538 (E)	Delta King	58.9	43.3	66.7	52.7	55.4	21.1	56.8	51.6	65.8	48.8		52.1
DKX 1539 (E)	Delta King	59.6	45.9	60.1	43.7	52.3	18.6	51.4	53.3	61.4	46.2		49.2
DKX 1540 (E)	Delta King	60.1	51.7	59.6	43.9	53.8	14.2	51.0	55.3	59.9	45.1		49.5
DG 32A53	Dyna-Gro	60.6	50.4	60.7	54.3	56.5	5.0	65.0	66.4	70.2	51.7		54.1
DG 33B52	Dyna-Gro	64.1	56.0	68.8	54.3	60.8	21.2	67.8	49.9	66.7	51.4		56.1
DG 33X55	Dyna-Gro	63.5	43.9	62.3	58.4	57.0	19.2	76.6	61.3	76.1	58.3		57.7
DG 35F55	Dyna-Gro	69.5	54.6	64.8	59.9	62.2	23.8	75.8	56.2	74.9	57.7		59.9
DG 35P53	Dyna-Gro	72.2	56.9	69.3	63.1	65.4	23.7	72.4	60.3	71.3	56.9		61.2
DG 37RY52	Dyna-Gro	68.5	58.4	71.6	65.6	66.0	20.5	67.1	57.7	75.6	55.2		60.6
ES 5121	Eagle Seed	45.6	41.6	46.0	38.1	42.8	14.6	56.7	49.2	45.5	41.5		42.2
ES 5507RR	Eagle Seed	70.1	48.6	65.4	60.7	61.2	23.7	70.5	57.0	81.2	58.1		59.7
ES 5519RR	Eagle Seed	67.5	48.4	55.9	49.1	55.3	13.6	65.7	53.1	66.4	49.7		52.5
ES 5656RR	Eagle Seed	72.8	48.3	64.0	60.3	61.4	26.2	78.0	56.1	81.4	60.4		60.9
ES5190RR2 (E)	Eagle Seed	63.3	43.6	65.1	56.8	57.2	13.5	56.8	41.8	60.1	43.1		50.1
ES5355RR	Eagle Seed	65.3	42.5	65.6	56.5	57.5	22.0	68.4	44.2	70.1	51.2		54.3
ES5390RR2 (E)	Eagle Seed	64.3	33.9	62.6	53.3	53.5	13.7	47.3	29.5	56.8	36.8		45.2
ES5444RR	Eagle Seed	64.1	42.7	68.0	58.4	58.3	25.8	65.3	46.2	57.9	48.8		53.6
HBK R5226	Hornbeck	66.1	45.9	66.9	56.6	58.9	18.3	61.0	59.5	66.0	51.2		55.1
HBK R5525	Hornbeck	63.3	44.5	58.1	60.9	56.7	18.0	74.8	54.6	70.8	54.5		55.6
HBK R5529	Hornbeck	71.8	51.4	62.5	61.2	61.7	17.3	70.5	52.0	66.6	51.6		56.7
HBK RY5220	Hornbeck	69.2	57.5	69.2	56.2	63.0	18.7	74.2	49.2	66.5	52.2		57.6
HBK RY5520	Hornbeck	59.1	51.4	45.8	42.8	49.8	16.7	58.5	56.7	51.9	45.9		47.9
MorSoy RT5168N (E)	MorSoy	68.2	64.3	66.3	49.4	62.0	17.8	59.0	47.9	55.7	45.1		53.6
MorSoy RT5388N (E)	MorSoy	69.7	56.0	70.1	57.4	63.3	16.8	70.0	48.2	69.9	51.2		57.3
MorSoy RT5688N (E)	MorSoy	68.3	55.9	68.0	62.4	63.7	25.2	61.1	62.8	73.0	55.5		59.6
R2 520 (E)	MorSoy	62.8	50.4	65.4	52.5	57.8	20.2	50.6	53.3	67.5	47.9		52.8
R2 521 (E)	MorSoy	62.3	50.8	67.3	54.9	58.8	21.5	60.5	47.6	66.9	49.1		54.0
R2 540 (E)	MorSoy	54.0	51.2	47.7	44.3	49.3	18.8	54.2	53.8	48.3	43.8		46.5
RT 5429N	MorSoy	68.9	49.2	66.3	58.0	60.6	23.7	75.4	51.9	71.9	55.7		58.1
NK S51-T8 Brand	NK Brand	55.2	51.9	54.1	46.5	51.9	16.2	59.7	55.1	62.7	48.4		50.2
NK S56-G6 Brand	NK Brand	63.7	45.8	63.8	54.2	56.9	18.4	69.0	57.6	56.1	50.3		53.6
95Y01	Pioneer	66.8	58.2	69.9	49.8	61.2	18.9	71.1	57.1	68.0	53.8		57.5
95Y30	Pioneer	73.0	57.6	71.4	63.4	66.3	19.9	67.8	48.3	74.4	52.6		59.5
95Y31	Pioneer	67.9	61.5	71.1	58.2	64.7	24.6	66.7	51.9	71.9	53.8		59.2
95Y40	Pioneer	68.2	54.2	76.1	66.7	66.3	23.9	73.0	60.9	89.0	61.7		64.0
P5110RY (E)	Progeny	66.3	44.1	66.0	64.3	60.2	21.7	63.5	44.7	60.5	47.6		53.9
P5210RY (E)	Progeny	78.0	55.1	73.8	68.3	68.8	27.7	66.2	53.8	77.2	56.3		62.5
P5310RY (E)	Progeny	61.8	53.4	53.8	46.6	53.9	21.1	55.3	54.1	64.3	48.7		51.3
P5330RR	Progeny	67.7	55.7	68.8	55.6	62.0	28.5	66.4	68.8	77.4	60.3		61.1
P5610RY (E)	Progeny	75.2	57.5	73.4	60.2	66.6	30.1	78.1	56.4	73.6	59.5		63.1
Progeny 5115RR	Progeny	70.5	56.7	69.1	47.2	60.9	15.6	67.1	48.7	61.5	48.2		54.5
Progeny 5218RR (E)	Progeny	73.1	49.1	68.6	56.6	61.9	15.1	63.8	58.4	70.5	51.9		56.9
Progeny 5622RR	Progeny	74.5	52.8	65.1	56.4	62.2	21.8	72.2	69.0	75.6	59.6		60.9
Progeny 5650RR	Progeny	67.7	52.1	62.5	63.3	61.4	22.2	73.9	47.6	71.3	53.8		57.6
S06-3053 (E)	Public	65.2	28.1	57.7	55.3	51.6	20.8	63.5	45.0	71.3	50.2		50.9
S06-4649 (E)	Public	73.2	46.2	55.5	52.4	56.8	26.1	65.6	47.0	66.5	51.3		54.1
54R21 TM	REV TM	67.3	52.0	69.7	60.3	62.3	16.3	71.2	52.0	65.6	51.3		56.8
55R21 TM	REV TM	66.7	44.1	65.0	53.4	57.3	24.0	78.2	61.4	78.1	60.5		58.9
56R21 TM	REV TM	75.1	52.1	68.9	64.3	65.1	28.8	68.1	53.7	74.2	56.2		60.7
54R10TM	REVTM	73.6	53.0	71.1	54.7	63.1	19.9	63.1	53.3	65.1	50.3		56.7
557.RC	Schillinger	60.0	45.7	64.8	62.1	58.1	14.2	70.8	50.8	65.7	50.3		54.2
TV52R79	Terral	64.7	41.0	62.8	51.5	55.0	18.6	76.4	49.6	66.4	52.8		53.9
TV54R28	Terral	69.1	54.1	68.7	57.4	62.3	29.1	63.6	55.2	74.2	55.5		58.9
TV55R15	Terral	71.0	52.1	64.3	61.5	62.3	26.1	67.4	55.5	77.3	56.6		59.4
TV55R20	Terral	71.7	52.9	68.1	58.8	62.9	26.6	69.9	50.9	73.2	55.1		59.0
USG 75J10R	USG	67.9	55.5	65.6	52.4	60.3	18.3	56.3	54.0	72.6	50.3		55.3
USG 75J30R	USG	63.4	49.1	66.7	49.6	57.2	23.0	57.5	46.1	67.9	48.6		52.9
USG 75T18	USG	58.5	47.6	62.9	51.4	55.1	17.0	62.2	52.8	61.7	48.4		51.8
Overall Average		66.6	50.6	64.3	55.8	59.3	20.2	65.7	53.6	68.2	51.9		55.6
LSD (.10)		6.1	4.2	3.6	5.9		4.6	7.5	7.85	8.7			
Error degrees of freedom		164	164	164	164		164	164	164	164			
CV (%)		6.8	10	4.2	7.9		16.8	8.4	10.4	9.4			
R^2 (%)		71	68.5	89.1	77		75.1	73	73.3	72			

[1](E) = Experimental.

Table 6. Summary of Yields for Maturity Group V Late Roundup Ready for the 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Stoneville Irr.	Stoneville Cotton Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch	Belle Meade	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 597	AGS	74.5	57.9	67.4	54.8	63.7	33.0	61.2	47.0	67.1	52.1		57.9
AGS 606RR	AGS	64.7	51.1	55.5	44.1	53.9	20.3	70.8	38.7	67.0	49.2		51.5
AG5831	Asgrow	74.9	61.8	64.6	57.4	64.7	20.9	69.5	37.8	73.2	50.4		57.5
DG 5970RR	Delta Grow	70.1	51.5	56.5	48.4	56.6	23.0	71.1	51.4	73.2	54.7		55.6
DG 33C59	Dyna-Gro	71.6	54.6	69.4	57.2	63.2	25.1	69.4	47.6	71.4	53.4		58.3
HBK RY5820	Hornbeck	75.0	55.6	50.3	46.5	56.9	27.2	71.1	44.4	47.3	47.5		52.2
NK S57-K3 Brand	NK Brand	66.9	55.1	59.4	53.0	58.6	20.9	76.4	55.5	66.6	54.8		56.7
95Y70	Pioneer	66.7	52.6	57.7	47.8	56.2	25.5	58.7	50.6	66.7	50.4		53.3
Progeny 5706RR	Progeny	70.5	51.8	57.4	56.9	59.1	27.5	76.1	52.0	74.1	57.4		58.3
57R21 TM	REV TM	74.1	51.2	66.1	63.5	63.7	22.1	72.1	39.7	72.3	51.6		57.6
TV59R16	Terral	73.4	54.8	70.7	58.8	64.4	29.5	75.7	51.6	68.1	56.2		60.3
Overall Average		71.3	54.4	61.4	53.5	60.1	25	70	46.9	64	51.5		55.8
LSD (.10)		5.0	6.8	4.3	8.7		3.4	8.7	5.9	7.7			
Error degrees of freedom		20	20	20	20		20	20	20	20			
CV (%)		4.9	8.9	5	11.6		9.7	8.8	9	8			
R^2 (%)		62.9	47.1	87.4	59.1		84.3	56.6	76.1	76.7			

[1]All are released varieties.

Table 7. Summary of 2-Year Yields for Maturity Group IV for the 2009 and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Delta Avg.	Brooksville	Falkner	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C4926	Hornbeck	64.9	64.9	41.5	74.7	58.1		61.5
HBK C4929	Hornbeck	61.2	61.2	44.1	75.0	59.6		60.4
ATLANTA 1047RR2Y	Merschman	59.8	59.8	31.2	66.9	49.1		54.4
HOUSTON 747RR	Merschman	59.2	59.2	31.1	69.9	50.5		54.9
MIAMI 949LL	Merschman	65.8	65.8	34.2	72.3	53.3		59.6
NASHVILLE 749RR	Merschman	63.7	63.7	26.1	66.1	46.1		54.9
ORLANDO 1048LL	Merschman	54.7	54.7	22.5	55.9	39.2		46.9
Progeny P4910	Progeny	60.6	60.6	36.5	68.8	52.7		56.6
LG01-5087-5	Public	55.0	55.0	37.4	51.2	44.3		49.6
UA 4805	Public	43.7	43.7	36.9	62.5	49.7		46.7
UA 4910	Public	45.8	45.8	36.3	63.6	49.9		47.9
SS-09L.49N	Super Soy	63.8	63.8	33.0	70.3	51.6		57.7
Halo 4:65	US Seeds	56.3	56.3	23.7	71.8	47.8		52.1
Halo 4:94	US Seeds	64.6	64.6	36.8	74.3	55.5		60.1
Overall mean		58.5	58.5	33.7	67.4	50.5		54.5

[1]All are released varieties.

Table 8. Summary of 2-Year Yields for Maturity Group V for the 2009 and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville	Delta Avg.	Brooksville	Falkner	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C5025	Hornbeck	55.7	49.6	52.6	34.2	81.2	57.7		55.1
HBK C5528	Hornbeck	42.5	54.4	48.5	34.9	79.9	57.4		52.9
OLYMPUS 1051LL	Merschman	46.3	52.9	49.6	32.3	83.3	57.8		53.7
RUSHMORE 959RR	Merschman	49.2	49.9	49.5	38.2	77.9	58.0		53.8
Progeny P5770	Progeny	55.6	59.2	57.4	30.7	76.8	53.7		55.6
DB03-8416 (E)	Public	54.0	53.6	53.8	37.0	68.5	52.7		53.3
DB04-10836 (E)	Public	57.2	56.1	56.6	36.6	78.3	57.5		57.1
Jake	Public	46.1	48.7	47.4	28.3	79.1	53.7		50.5
Osage	Public	42.8	61.9	52.3	30.3	83.8	57.1		54.7
Ozark	Public	34.5	50.5	42.5	26.5	84.1	55.3		48.9

[1](E)=Experimental.

Table 8 (cont.). Summary of 2-Year Yields for Maturity Group V for the 2009 and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville	Delta Avg.	Brooksville	Falkner	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
R04-357 (E)	Public	47.8	57.3	52.6	29.8	79.7	54.8		53.7
S05-11268 (E)	Public	42.7	53.5	48.1	30.6	72.7	51.6		49.9
S05-11482 (E)	Public	42.3	50.2	46.3	29.0	76.2	52.6		49.4
V98-2711	Public	39.8	51.3	45.5	29.7	82.8	56.2		50.9
SS-10L.51N	Super Soy	46.8	54.0	50.4	27.0	78.8	52.9		51.6
Halo 5:25	US Seeds	45.9	54.1	50.0	26.4	79.7	53.0		51.5
Halo 5:65	US Seeds	46.7	50.5	48.6	33.6	77.8	55.7		52.2
Overall mean		46.8	53.4	50.1	31.5	78.9	55.2		52.6

[1](E)=Experimental

Table 9. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2009 and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Nonirr.	Delta Avg.	Brooksville	Falkner	Olive Branch	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AV 45x5RR	AgVenture	52.5	25.9	51.7	29.8	40.0	27.5	70.1	59.4	52.3		46.1
Armor 42-M1	Armor	51.0	30.5	49.9	33.0	41.1	37.9	74.7	56.8	56.5		48.8
AG4303	Asgrow	53.5	22.9	47.1	35.4	39.7	35.2	70.1	66.3	57.2		48.4
AG4605	Asgrow	52.0	28.5	57.5	33.6	42.9	32.0	70.8	60.5	54.5		48.7
RC 4417	Croplan Genetics	53.1	32.1	38.8	32.5	39.1	30.0	62.7	53.8	48.8		44.0
DG 4470RR/STS	Delta Grow	53.6	22.6	43.8	33.9	38.5	36.6	67.6	64.3	56.2		47.3
DG 36C44	Dyna-Gro	56.7	25.2	42.6	30.8	38.8	33.2	73.2	60.0	55.5		47.1
ES 4333RR	Eagle Seed	53.3	24.5	46.8	25.7	37.6	32.9	66.0	63.6	54.2		45.9
HBK R4527	Hornbeck	53.4	36.8	57.7	32.4	45.1	39.7	64.6	61.6	55.3		50.2
NK S44-D5 Brand	NK Brand	52.2	31.0	52.0	30.1	41.3	29.5	73.5	52.5	51.8		46.6
94Y20	Pioneer	55.8	31.2	46.6	34.0	41.9	35.8	65.7	61.0	54.2		48.0
Progeny 4206RR	Progeny	52.3	25.4	40.0	32.2	37.5	27.6	68.4	52.7	49.6		43.5
Progeny 4606RR	Progeny	47.1	29.7	54.4	27.7	39.7	37.4	79.1	66.2	60.9		50.3
Progeny P3909RR (E)	Progeny	49.2	23.3	42.1	26.5	35.2	28.1	71.5	54.1	51.2		43.2
45R10TM	REVTM	55.7	30.3	48.5	31.6	41.5	35.9	66.1	61.9	54.6		48.1
457.RCP	Schillinger	57.5	31.9	55.1	33.2	44.4	36.0	65.2	50.0	50.4		47.4
458.RCS (E)	Schillinger	57.1	31.7	43.0	36.2	42.0	29.1	73.6	60.7	54.5		48.2
TV46R15	Terral	52.7	32.8	48.4	33.9	42.0	37.2	62.7	50.3	50.1		46.0
TV46R19	Terral	46.4	26.3	53.4	38.1	41.1	38.8	65.5	50.4	51.6		46.3
USG 74A69	USG	59.9	41.5	51.5	34.2	46.8	40.9	71.1	62.7	58.2		52.5
USG 74C69R	USG	49.8	30.2	55.0	33.2	42.0	33.7	67.8	55.4	52.3		47.2
VPM 44X1	VP Maxx	56.8	30.3	50.7	35.0	43.2	35.5	71.8	59.9	55.7		49.5
Overall mean		53.3	29.3	48.9	32.4	41.0	34.1	69.2	58.4	53.9		47.4

[1](E)=Experimental

Table 10. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2009 and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood Irr.	Stoneville Nonirr.	Delta Avg.	Brooksville	Falkner	Olive Branch	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 47-F8	Armor	56.5	51.5	32.4	46.8	29.8	77.7	57.3	54.9		50.9
Armor 47-G10	Armor	52.4	63.7	43.1	53.1	32.7	76.0	61.5	56.7		54.9
Armor 47-R33	Armor	62.6	56.4	39.6	52.9	27.8	72.8	59.2	53.3		53.1
AG4907	Asgrow	56.1	60.0	40.7	52.2	28.8	78.5	59.3	55.5		53.9
RC 4757	Croplan Genetics	56.3	52.8	38.0	49.0	29.2	79.3	56.8	55.1		52.1
RC 4877	Croplan Genetics	52.9	53.8	37.6	48.1	25.4	74.6	55.9	52.0		50.0
DG 4970RR	Delta Grow	55.4	53.7	44.2	51.1	28.6	79.7	56.7	55.0		53.0
DG4770RR	Delta Grow	56.2	49.9	39.5	48.5	23.0	72.1	60.5	51.9		50.2
DG4975LARR	Delta Grow	56.3	57.2	45.0	52.8	38.8	74.1	64.9	59.2		56.0

[1](E)=Experimental

Table 10 (cont.). Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2009 and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood Irr.	Stoneville Nonirr.	Delta Avg.	Brooksville	Falkner	Olive Branch	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DK 4968	Delta King	54.0	55.2	39.3	49.5	23.9	72.3	60.3	52.2		50.8
DG 37P49	Dyna-Gro	59.1	56.0	43.2	52.8	36.8	71.6	59.4	55.9		54.3
ES 4777	Eagle Seed	56.3	58.3	39.6	51.4	32.6	76.2	67.0	58.6		55.0
ES 4818	Eagle Seed	54.5	58.6	41.0	51.4	34.1	74.1	59.7	56.0		53.7
HBK R4729	Hornbeck	56.6	60.9	40.8	52.8	29.7	75.7	54.6	53.3		53.1
HBK R4924	Hornbeck	55.4	63.3	45.1	54.6	36.7	77.8	58.9	57.8		56.2
MorSoy RT4707N	MorSoy	56.8	51.4	30.7	46.3	17.3	64.8	55.6	45.9		46.1
MorSoy RT4955N (E)	MorSoy	56.8	59.2	40.5	52.2	34.4	75.6	59.1	56.4		54.3
MorSoy RTs4824	MorSoy	53.2	59.5	37.7	50.1	35.3	80.2	57.5	57.7		53.9
S49-H7 Brand	NK Brand	54.0	53.3	35.0	47.4	27.6	76.2	54.0	52.6		50.0
94Y70	Pioneer	59.8	54.7	36.8	50.4	29.4	78.6	56.9	55.0		52.7
94Y80	Pioneer	59.5	58.8	55.3	57.8	39.2	78.6	62.3	60.0		58.9
94Y90	Pioneer	52.8	56.5	41.0	50.1	30.6	81.8	63.9	58.8		54.4
P4807RR	Progeny	53.3	53.2	34.2	46.9	23.1	72.7	52.7	49.5		48.2
Progeny 4906RR	Progeny	57.6	53.2	38.0	49.6	39.7	81.2	63.4	61.4		55.5
Progeny 4908RR (E)	Progeny	44.8	55.3	39.7	46.6	45.4	81.3	67.1	64.6		55.6
Progeny 4949RR	Progeny	53.8	60.0	45.2	53.0	36.4	75.4	64.4	58.7		55.9
48R10TM	REVTM	59.2	56.2	39.2	51.5	26.6	72.0	54.5	51.0		51.3
49R10TM	REVTM	58.8	60.6	44.8	54.7	34.9	71.4	63.5	56.6		55.7
49R11TM	REVTM	53.2	49.0	36.6	46.2	29.0	65.5	54.7	49.7		48.0
478.RCS	Schillinger	62.1	57.2	35.9	51.7	22.2	80.7	57.6	53.5		52.6
495.RC	Schillinger	51.1	56.8	44.4	50.8	29.7	76.5	62.9	56.4		53.6
4990.RC	Schillinger	56.0	59.2	41.8	52.4	30.1	79.0	68.2	59.1		55.7
TV47R18	Terral	51.2	56.9	36.6	48.2	29.5	73.6	54.2	52.4		50.3
TV49R17	Terral	50.3	55.2	44.0	49.9	34.6	77.2	57.8	56.5		53.2
TV49R19	Terral	49.6	55.8	37.1	47.5	32.1	71.5	60.2	54.6		51.0
USG 74A91	USG	55.6	51.5	44.9	50.7	37.1	69.6	51.2	52.6		51.6
Overall mean		55.3	56.2	40.2	50.6	31.2	75.4	59.3	55.3		52.9

[1](E)=Experimental.

Table 11. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2009 and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Clay	Delta Avg.	Brooksville	Falkner	Olive Branch	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 554RR	AGS	56.9	50.1	54.4	53.8	29.8	75.5	84.4	63.2		58.5
AGS 568RR	AgSouth	56.2	44.6	56.5	52.4	31.7	75.3	69.5	58.9		55.6
AV 50X6RR	AgVenture	62.4	48.2	59.0	56.5	27.1	61.1	61.0	49.7		53.1
AV 51X5RR	AgVenture	58.2	36.4	51.0	48.5	27.8	79.2	58.1	55.0		51.8
AV 54X4RR	AgVenture	53.8	47.9	55.3	52.4	29.9	74.1	74.6	59.5		55.9
Armor 53-Z5	Armor	53.4	41.7	54.7	49.9	19.1	78.3	64.7	54.0		52.0
RC 5007S	Croplan Genetics	58.8	36.4	55.5	50.3	25.6	79.7	58.6	54.6		52.5
RC 5419	Croplan Genetics	54.0	53.3	56.3	54.5	38.2	74.9	54.7	55.9		55.2
DG 5280RR	Delta Grow	54.9	39.6	53.9	49.5	20.6	69.4	63.0	51.0		50.2
DG 5555RR	Delta Grow	53.9	49.6	55.3	52.9	38.7	76.5	61.2	58.8		55.8
DG5300RR	Delta Grow	57.3	43.5	55.4	52.1	22.8	75.2	66.3	54.8		53.4
Delta King GP-500	Delta King	52.9	40.2	55.5	49.5	29.9	68.4	57.2	51.8		50.7
Delta King GP-533	Delta King	53.4	45.0	53.8	50.7	33.6	73.9	70.3	59.3		55.0
DK 5363	Delta King	55.7	52.5	58.2	55.5	31.0	71.2	73.4	58.5		57.0
DG 32A53	Dyna-Gro	52.5	40.4	51.9	48.2	18.6	68.0	68.6	51.7		50.0
DG 33B52	Dyna-Gro	52.7	49.0	55.7	52.5	28.2	69.6	64.7	54.2		53.3
DG 33X55	Dyna-Gro	54.0	39.6	56.1	49.9	30.4	77.3	68.7	58.8		54.3
DG 35F55	Dyna-Gro	57.1	52.1	57.3	55.5	36.9	80.0	62.3	59.8		57.6
ES 5121	Eagle Seed	46.8	39.1	40.9	42.3	29.9	67.0	61.2	52.7		47.5
ES 5507RR	Eagle Seed	50.7	43.1	60.0	51.2	29.5	76.1	68.7	58.1		54.7
ES 5519RR	Eagle Seed	49.7	41.7	50.1	47.2	24.8	68.2	62.1	51.7		49.4
ES 5656RR	Eagle Seed	63.1	42.7	55.4	53.7	31.5	79.2	67.0	59.2		56.5
HBK R5226	Hornbeck	50.9	42.8	56.6	50.1	32.2	71.5	71.3	58.3		54.2

[1](E)=Experimental.

Table 11 (cont.). Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2009 and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Clay	Delta Avg.	Brooksville	Falkner	Olive Branch	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK R5525	Hornbeck	49.1	42.7	52.7	48.1	25.1	73.4	67.1	55.2		51.7
MorSoy RT5168N (E)	MorSoy	59.3	47.7	57.6	54.8	24.3	68.5	60.9	51.2		53.0
MorSoy RT5388N (E)	MorSoy	52.2	47.9	58.7	52.9	23.2	75.3	68.2	55.6		54.2
MorSoy RT5688N (E)	MorSoy	56.5	50.7	61.8	56.3	35.3	69.3	69.7	58.1		57.2
95Y30	Pioneer	57.2	48.8	58.2	54.7	28.2	62.4	57.5	49.4		52.1
95Y40	Pioneer	55.2	48.1	58.4	53.9	30.8	72.4	71.2	58.1		56.0
Progeny 5115RR	Progeny	57.2	44.1	57.4	52.9	27.5	74.2	61.2	54.3		53.6
Progeny 5218RR (E)	Progeny	56.4	45.0	56.5	52.6	23.6	66.6	64.2	51.5		52.1
Progeny 5622RR	Progeny	58.3	49.5	62.2	56.7	30.0	78.0	75.8	61.3		59.0
Progeny 5650RR	Progeny	49.5	47.3	55.0	50.6	34.6	72.7	63.6	57.0		53.8
54R10TM	REVTM	61.5	50.9	56.5	56.3	31.0	69.1	62.8	54.3		55.3
557.RC	Schillinger	55.2	41.0	53.5	49.9	20.6	82.2	62.2	55.0		52.5
TV52R79	Terral	53.4	37.5	56.5	49.1	22.3	81.9	63.9	56.0		52.6
TV54R28	Terral	53.7	48.4	57.0	53.0	33.3	69.5	65.7	56.2		54.6
TV55R15	Terral	57.9	51.3	56.6	55.3	38.2	74.5	65.4	59.4		57.3
TV55R20	Terral	58.6	49.8	56.4	55.0	35.3	81.4	61.5	59.4		57.2
Overall mean		55.1	45.4	55.7	52.1	29.0	73.4	65.5	55.9		54.0

[1](E)=Experimental.

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

Variety	Brand	Clarksdale	Longwood	Stoneville Clay	Delta Avg.	Brooksville	Falkner	Olive Branch	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 597	AGS	60.1	55.4	60.2	58.5	36.7	65.9	58.2	53.6		56.1
AGS 606RR	AGS	51.6	45.2	51.9	49.6	32.5	75.0	60.6	56.0		52.8
DG 5970RR	Delta Grow	52.8	48.6	53.6	51.7	33.9	75.3	65.9	58.3		55.0
DG 33C59	Dyna-Gro	57.4	52.7	61.3	57.1	34.0	72.3	62.4	56.2		56.7
95Y70	Pioneer	52.1	50.0	53.5	51.8	42.4	64.6	66.3	57.8		54.8
Progeny 5706RR	Progeny	56.6	46.1	57.0	53.2	39.7	72.5	70.8	61.0		57.1
TV59R16	Terral	56.6	53.8	62.2	57.5	37.2	79.0	61.2	59.1		58.3
Overall mean		55.3	50.2	57.1	54.2	36.6	72.1	63.6	57.4		47.8

[1](E)=Experimental.

Table 13. Summary of 3-Year Yields for Maturity Group IV for the 2008, 2009, and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Delta Avg.	Brooksville	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C4926	Hornbeck	59.5	59.5	42.0	42.0		50.8
R00-1194F (E)	Public	42.7	42.7	39.6	39.6		41.2
UA4805	Public	34.6	34.6	39.5	39.5		37.1
Overall mean		45.6	45.6	40.4	40.4		43.0

[1](E)=Experimental.

Table 14. Summary of 3-Year Yields for Maturity Group V Conventional for the 2008, 2009, and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville	Delta Avg.	Brooksville	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C5025	Hornbeck	53.6	51.4	52.5	38.6	38.6		45.6
DB03-8416 (E)	Public	45.7	51.7	48.7	42.4	42.4		45.5
Jake	Public	44.4	50.0	47.2	36.5	36.5		41.8
Osage	Public	38.9	61.7	50.3	37.5	37.5		43.9
Ozark	Public	33.1	49.8	41.5	35.9	35.9		38.7
Overall mean		43.1	52.9	48.0	38.2	38.2		43.1

[1](E)=Experimental.

Table 15. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2008, 2009, and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Delta Avg.	Brooksville	Olive Branch	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Armor 42-M1	Armor	58.5	32.0	48.2	46.2	33.2	57.0	45.1		45.7
AG4303	Asgrow	56.5	25.5	52.3	44.8	34.4	67.2	50.8		47.8
AG4605	Asgrow	61.1	27.0	52.7	46.9	33.6	58.9	46.3		46.6
RC 4417	Croplan Genetics	58.9	31.3	42.8	44.3	30.0	56.4	43.2		43.8
DG 36C44	Dyna-Gro	61.1	25.3	45.1	43.8	32.3	60.1	46.2		45.0
ES 4333RR	Eagle Seed	57.8	24.5	49.0	43.8	34.6	60.5	47.5		45.6
HBK R4527	Hornbeck	58.4	35.9	51.1	48.5	38.0	61.1	49.6		49.0
NK S44-D5 Brand	NK Brand	59.5	31.1	50.6	47.1	31.2	53.5	42.3		44.7
94Y20	Pioneer	59.2	31.6	50.1	47.0	35.7	63.9	49.8		48.4
Progeny 4206RR	Progeny	61.5	28.0	41.4	43.6	29.5	54.0	41.7		42.7
Progeny 4606RR	Progeny	52.3	32.1	52.4	45.6	34.5	65.5	50.0		47.8
457.RCP	Schillinger	62.0	31.7	52.6	48.8	31.3	51.7	41.5		45.1
458.RCS (E)	Schillinger	62.5	32.9	46.3	47.2	30.2	59.1	44.7		46.0
TV46R15	Terral	57.6	29.8	46.7	44.7	33.1	52.8	43.0		43.8
TV46R19	Terral	46.2	26.5	52.1	41.6	34.3	52.0	43.2		42.4
Overall mean		58.2	29.7	48.9	45.6	33.1	58.2	45.7		45.6

[1](E)=Experimental.

Table 16. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2008, 2009, and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Delta Avg.	Brooksville	Olive Branch	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AG4907	Asgrow	61.7	51.3	56.5	31.4	61.8	46.6		51.6
RC 4757	Croplan Genetics	63.8	44.6	54.2	32.5	60.6	46.6		50.4
RC 4877	Croplan Genetics	58.8	49.0	53.9	28.4	59.4	43.9		48.9
DG 4970RR	Delta Grow	59.2	46.3	52.8	32.1	62.4	47.3		50.0
DG4770RR	Delta Grow	61.4	44.2	52.8	27.3	61.2	44.3		48.5
DG4975LARR	Delta Grow	61.7	47.3	54.5	39.5	66.6	53.1		53.8
DK 4968	Delta King	58.9	52.0	55.4	27.5	65.6	46.5		51.0
DG 37P49	Dyna-Gro	65.7	43.3	54.5	38.6	64.2	51.4		53.0
ES 4777	Eagle Seed	60.1	48.3	54.2	36.0	66.7	51.4		52.8
ES 4818	Eagle Seed	59.1	48.6	53.9	35.8	61.8	48.8		51.3
HBK R4924	Hornbeck	61.7	50.1	55.9	38.6	66.3	52.4		54.2
MorSoy RT4707N	MorSoy	60.2	47.3	53.7	25.3	61.1	43.2		48.4
MorSoy RT4955N (E)	MorSoy	63.0	53.1	58.1	35.5	64.3	49.9		54.0
94Y70	Pioneer	65.2	47.5	56.3	32.6	56.8	44.7		50.5
94Y90	Pioneer	58.3	47.0	52.6	33.2	64.6	48.9		50.8
Progeny 4807RR	Progeny	60.2	46.8	53.5	27.8	56.8	42.3		47.9

[1](E)= Experimental.

Table 16 (cont.). Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2008, 2009, and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Delta Avg.	Brooksville	Olive Branch	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
Progeny 4906RR	Progeny	62.4	43.9	53.1	41.6	64.5	53.0		53.1
Progeny 4908RR (E)	Progeny	54.0	49.1	51.6	45.9	67.9	56.9		54.2
Progeny 4949RR	Progeny	59.2	58.0	58.6	36.2	65.6	50.9		54.7
478.RCS	Schillinger	66.8	44.8	55.8	23.6	59.7	41.6		48.7
495.RC	Schillinger	57.8	47.1	52.5	31.0	65.1	48.1		50.3
TV47R18	Terral	58.1	52.9	55.5	31.3	56.0	43.7		49.6
TV49R17	Terral	55.4	52.4	53.9	33.7	58.3	46.0		49.9
TV49R19	Terral	55.1	48.5	51.8	32.2	57.8	45.0		48.4
USG 74A91	USG	62.1	46.1	54.1	40.2	60.0	50.1		52.1
Overall mean		60.4	48.4	54.4	33.5	62.2	47.9		51.1

[1](E)= Experimental.

Table 17. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2008, 2009, and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Clay	Delta Avg.	Brooksville	Olive Branch	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 568RR	AgSouth	57.5	44.4	53.1	51.7	36.9	70.9	53.9		52.8
AV 50X6RR	AgVenture	62.9	48.9	58.2	56.7	30.9	62.7	46.8		51.7
AV 51X5RR	AgVenture	62.1	38.4	51.0	50.5	30.9	62.1	46.5		48.5
AV 54X4RR	AgVenture	58.0	47.0	52.2	52.4	36.6	76.5	56.5		54.5
RC 5007	Croplan Genetics	59.9	35.4	54.4	49.9	33.3	65.2	49.3		49.6
DG 5280RR	Delta Grow	60.4	38.4	53.5	50.7	28.6	67.5	48.1		49.4
DG 5555RR	Delta Grow	57.5	46.6	54.7	52.9	44.9	67.0	55.9		54.4
DG5300RR	Delta Grow	57.1	37.3	53.4	49.3	31.1	68.6	49.8		49.6
Delta King GP-500	Delta King	59.1	37.2	54.4	50.2	36.2	61.9	49.0		49.6
Delta King GP-533	Delta King	57.7	44.5	50.0	50.7	41.3	71.2	56.2		53.5
DG 32A53	Dyna-Gro	56.4	42.6	51.5	50.2	29.0	73.8	51.4		50.8
DG 33B52	Dyna-Gro	56.5	43.9	54.4	51.6	34.3	63.6	49.0		50.3
DG 33X55	Dyna-Gro	55.6	40.3	53.0	49.7	37.9	67.8	52.9		51.3
DG 35F55	Dyna-Gro	58.9	48.6	56.5	54.7	45.0	67.0	56.0		55.3
ES 5121	Eagle Seed	47.8	40.8	43.6	44.0	37.1	66.4	51.7		47.9
ES 5519RR	Eagle Seed	49.5	40.0	47.8	45.8	31.1	65.0	48.1		46.9
HBK R5226	Hornbeck	57.1	41.7	54.8	51.2	37.1	72.7	54.9		53.1
HBK R5525	Hornbeck	55.5	45.4	51.4	50.8	34.4	70.3	52.4		51.6
MorSoy RT5168N (E)	MorSoy	60.4	49.4	58.2	56.0	33.1	65.5	49.3		52.7
MorSoy RT5388N (E)	MorSoy	56.0	43.9	56.2	52.0	31.2	70.6	50.9		51.5
MorSoy RT5688N (E)	MorSoy	60.1	48.6	58.8	55.8	43.6	72.2	57.9		56.9
95Y40	Pioneer	61.1	47.7	57.9	55.6	36.1	72.9	54.5		55.0
Progeny 5115RR	Progeny	57.2	45.6	56.6	53.1	32.2	65.9	49.1		51.1
Progeny 5218RR (E)	Progeny	62.7	40.0	55.9	52.9	33.2	65.7	49.4		51.1
Progeny 5622RR	Progeny	59.3	43.7	58.7	53.9	34.4	75.1	54.8		54.3
Progeny 5650RR	Progeny	52.9	47.0	54.7	51.5	41.4	68.2	54.8		53.2
557.RC	Schillinger	58.3	37.7	49.8	48.6	27.0	65.7	46.3		47.4
TV54R28	Terral	56.9	45.8	54.2	52.3	39.3	67.0	53.1		52.7
TV55R15	Terral	59.6	49.2	55.7	54.8	43.3	69.2	56.2		55.5
Overall mean		57.7	43.4	53.9	51.7	35.6	68.2	51.9		51.8

[1](E)=Experimental.

Table 18. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2008, 2009, and 2010 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Clay	Delta Avg.	Brooksville	Olive Branch	Hill Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS606RR	AGS	54.7	44.8	50.4	50.0	38.0	64.7	51.4		57.4
DG 5970RR	Delta Grow	57.0	46.0	53.5	52.2	41.7	70.3	56.0		61.2
DG 33C59	Dyna-Gro	60.2	45.5	58.8	54.8	41.3	64.3	52.8		59.6
95Y70	Pioneer	54.0	45.4	51.4	50.3	47.3	71.1	59.2		60.7
Progeny 5706RR	Progeny	58.8	54.7	55.6	56.4	43.5	73.6	58.5		65.0
TV59R16	Terral	63.0	50.0	59.4	57.5	42.9	63.9	53.4		60.7
Overall mean		58.0	47.7	54.9	53.5	42.5	68.0	55.2		60.8

Location 1. MAFES Delta Branch, Stoneville

Location Summary

Both irrigated and nonirrigated tests were planted into a stale seedbed. Moisture was optimum for germination. Timely irrigations maintained soil moisture in the irrigated test, and good yields were observed. The nonirrigated test suffered more from the hot, dry growing season, and as a result the yields were reduced. All plots, both irrigated and nonirrigated, were harvested in a timely manner.

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

Soil pH: **7.0**

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

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . . **Preemergence — Authority MTZ @12oz/A, Dual II Magnum@ 1 pt/A, and Gramoxone @ 1qt/A (Nonirrigated on April 16 and Irrigated on April 28)**
Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A, Firstrate @ 0.3 oz/A, and Ultra Blazer @ 8 oz/A on June 2 (Irrigated and Nonirrigated); Conventional – Select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Ultra Blazer @ 8 oz/A on June 2 (Irrigated)
Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A, Dual II Magnum @ 8 oz/A, and Ultra Blazer @ 8 oz/A on June 17; Conventional — Select @ 10 oz/A, Cobra @ 12 oz/A, Dual II Magnum @ 8 oz/A, and Scepter @ 2.5 oz/A on June 17

Irrigation dates: . . . . . **June 23, July 8, July 21, and August 6**

Planting date: . . . . . **Group IV Early and IV Late Roundup Ready Nonirrigated on April 16; Group IV and V Conventional Irrigated on April 28; Group IV Early, IV Late, V Early and V Late Roundup Ready Irrigated on April 28**

Harvest date: . . . . . **Group IV Early Nonirrigated on August 17; Group IV Late Nonirrigated on August 24; Group IV Conventional, Group IV Early, and Group IV Late Roundup Ready on September 21; Group V Conventional, Group V Early, and Group V Late Roundup Ready on September 30**

Rainfall Summary

April	**2.38**
May	**5.28**
June	**1.24**
July	**1.89**
August	**0.24**
September	**2.13**
Total	**13.16**

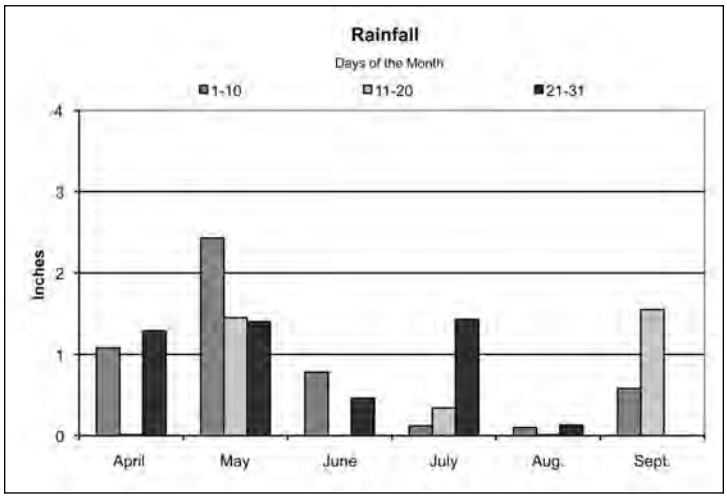


Table 19. Roundup Ready Maturity Group IV Conventional Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
MPG-X-410-1 (E)	Super Soy	76.4	—	—	—	32	1
NASHVILLE 749RR	Merschman	72.8	—	—	—	31	1
ATLANTA 1047RR2Y	Merschman	72.7	—	—	—	31	1
SSC-049N	Super Soy	70.7	—	—	—	42	1
Progeny P4910	Progeny	70.5	—	—	—	41	1
SS-09L.49N	Super Soy	69.8	—	—	—	42	1
HOUSTON 747RR	Merschman	68.9	—	—	—	33	1
UA 4805	Public	68.5	—	—	—	22	1
S07-5117 (E)	Public	68.2	—	—	—	35	1
MIAMI 949LL	Merschman	68.1	—	—	—	43	1
Halo 4:65	US Seeds	67.9	—	—	—	38	1
P4960LL (E)	Progeny	67.0	—	—	—	40	1
HBK C4929	Hornbeck	66.9	—	—	—	43	2
UA 4910	Public	66.7	—	—	—	34	1
P4928LL	Progeny	65.3	—	—	—	42	1
Halo 4:94	US Seeds	64.3	—	—	—	43	1
e4920	eMerge	63.4	—	—	—	36	1
HBK C4926	Hornbeck	63.2	—	—	—	43	2
XP4520	eMerge	61.9	—	—	—	38	1
P4860LL (E)	Progeny	60.7	—	—	—	43	1
SS-11L.48N	Super Soy	59.7	—	—	—	42	1
ORLANDO 1048LL	Merschman	59.4	—	—	—	41	1
S07-5049 (E)	Public	59.3	—	—	—	32	2
S07-5151 (E)	Public	57.9	—	—	—	34	3
LG01-5087-5	Public	57.5	—	—	—	43	1
DG 4861LL	Delta Grow	56.7	—	—	—	40	1
Y227-2 (E)	Public	46.7	—	—	—	34	3
Y227-1 (E)	Public	42.1	—	—	—	32	3
Y163-2 (E)	Public	35.8	—	—	—	43	3
Overall Average		63.1	—	—			
LSD (.10)		4.9					
Error degrees of freedom		56					
CV (%)		5.7					
R^2 (%)		90.7					

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

Table 20. Maturity Group V Conventional Irrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Osage	Public	75.8	61.9	61.7	—	26	1
S05-11268 (E)	Public	71.3	53.5	—	—	25	1
V98-2711	Public	71.1	51.3	—	—	27	1
SSC-051N	Super Soy	69.7	—	—	—	26	1
R04-357 (E)	Public	69.4	57.3	—	—	27	1
SS-10L.51N	Super Soy	67.6	54	—	—	25	1
e5110	eMerge	67.6	—	—	—	32	1
S05-11482 (E)	Public	67.5	50.2	—	—	28	1
OLYMPUS 1051LL	Merschman	67.3	52.9	—	—	27	1
Progeny P5770	Progeny	66.6	59.2	—	—	33	1
P5160LL (E)	Progeny	66.6	—	—	—	22	1
ES5222 (E)	Eagle Seed	66.5	—	—	—	31	1
Halo 5:25	US Seeds	65.7	54.1	—	—	26	1
DB03-8416 (E)	Public	65.0	53.6	51.7	—	32	1
DB04-10836 (E)	Public	64.5	56.1	—	—	33	1
DB06-2257 (E)	Public	63.2	—	—	—	29	1
WHITNEY 1154LL	Merschman	63.1	—	—	—	36	1
Jake	Public	62.8	48.7	50	—	29	1
P5460LL (E)	Progeny	62.8	—	—	—	42	2

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

Table 20 (cont.). Maturity Group V Conventional Irrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 5461RR	Delta Grow	62.3	—	—	—	41	1
Ozark	Public	60.7	50.5	49.8	—	28	1
CB 5209	Morsoy	57.6	—	—	—	35	1
HBK C5528	Hornbeck	57.0	54.4	—	—	30	1
Halo 5:65	US Seeds	56.6	50.5	—	—	31	1
HBK C5025	Hornbeck	56.2	49.6	51.4	—	45	3
P5960LL (E)	Progeny	54.9	—	—	—	29	1
RUSHMORE 959RR	Merschman	54.5	49.9	—	—	33	1
JTN-5203 (E)	Public	52.6	—	—	—	22	1
Overall Mean		63.8	53.4	52.9			
LSD (.10)		3.7					
Error degrees of freedom		54					
CV (%)		4.2					
R^2 (%)		87.3					

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

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

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
EXP946R2	Asgrow	25.9	—	—	—	24	1
EXP941R2	Asgrow	25.0	—	—	—	25	1
AG4303	Asgrow	24.8	35.4	—	—	20	1
RC 4417	Croplan Genetics	24.0	32.8	—	—	29	1
VPM 44X1	VP Maxx	23.0	11.5	—	—	28	1
P3910RY (E)	Progeny	22.9	—	—	—	29	1
P4610RY (E)	Progeny	22.6	—	—	—	25	1
DG 36C44	Dyna-Gro	22.4	34.7	—	—	20	1
DG 4470RR/STS	Delta Grow	22.0	30.6	—	—	20	1
93Y92	Pioneer	21.9	—	—	—	22	1
EXP943R2	Asgrow	21.9	—	—	—	26	1
DG 34RY46	Dyna-Gro	21.3	—	—	—	26	1
94Y20	Pioneer	21.2	10.6	—	—	25	1
Progeny 4206RR	Progeny	20.8	10.4	—	—	21	1
94Y40	Pioneer	20.7	—	—	—	21	1
AG4130	Asgrow	20.4	—	—	—	22	1
USG 74A69	USG	20.2	10.1	—	—	23	1
P4209RY	Progeny	20.1	—	—	—	23	1
458.RCS (E)	Schillinger	19.9	10.0	—	—	23	1
Armor 42-M1	Armor	19.9	31.7	—	—	21	1
MEMPHIS 943RR	Merschman	19.6	—	—	—	22	1
44R22 TM	REV TM	19.4	—	—	—	22	1
TV46R19	Terral	19.0	9.5	—	—	31	1
457.RCP	Schillinger	18.8	9.4	—	—	29	1
NK S44-D5 Brand	NK Brand	18.6	26.5	—	—	26	1
AG4605	Asgrow	18.6	33.6	—	—	21	1
AG4630	Asgrow	18.5	—	—	—	23	1
DKR 4440 (E)	Delta King	18.5	—	—	—	30	1
Progeny P3909RR (E)	Progeny	18.5	9.2	—	—	23	1
AV 45x5RR	AgVenture	18.0	34.5	—	—	31	1
P4510RY (E)	Progeny	17.8	—	—	—	21	1
45R10TM	REVTM	17.7	8.8	—	—	32	1
DG 35X43	Dyna-Gro	17.2	—	—	—	25	1
USG 74T59	USG	17.1	—	—	—	24	1
EXP944R2	Asgrow	17.0	—	—	—	21	1
HBK R4729	Hornbeck	17.0	—	—	—	23	1
TV46R15	Terral	16.8	8.4	—	—	33	1
AG4531	Asgrow	16.4	—	—	—	22	1
Progeny 4606RR	Progeny	15.5	7.8	—	—	21	1
HBK R4527	Hornbeck	14.7	30.1	—	—	28	1

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

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

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 74C69R	USG	14.4	7.2	—	—	25	1
RT 4539	Croplan Genetics	14.0	—	—	—	28	1
S07-15722 (E)	Public	13.9	—	—	—	28	1
ES 4333RR	Eagle Seed	12.4	6.2	—	—	22	1
Overall Mean		19.3	18.6	—			
LSD (.10)		3.9					
Error degrees of freedom		86					
CV (%)		14.8					
R^2 (%)		64.6					

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

Table 22. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y80	Pioneer	35.6	17.8	—	—	31	1
Progeny 4949RR	Progeny	30.7	15.4	—	—	27	1
495.RC	Schillinger	30.4	15.2	—	—	31	1
AV48A8RR	AgVenture	30.1	—	—	—	24	1
R2S 481 (E	MorSoy	29.2	—	—	—	25	1
48R22 TM	REV TM	29.1	—	—	—	24	1
P4710RY (E)	Progeny	29.0	—	—	—	23	1
HBK R4829	Hornbeck	28.3	—	—	—	26	1
DG 33G48	Dyna-Gro	28.1	—	—	—	27	1
ARX 1482 (E)	Armor	27.7	—	—	—	25	1
49R22 TM	REV TM	27.7	—	—	—	33	1
AG4831	Asgrow	27.5	—	—	—	28	1
Progeny 4908RR (E)	Progeny	27.1	13.5	—	—	24	1
49R11TM	REVTM	26.4	13.2	—	—	25	1
DG4770RR	Delta Grow	26.3	43.0	—	—	26	1
DG4975LARR	Delta Grow	26.1	38.6	—	—	25	1
48R21 TM	REV TM	25.9	—	—	—	28	1
R2S 480 (E)	MorSoy	25.8	—	—	—	26	1
DG 4880RR	Delta Grow	25.7	—	—	—	26	1
94Y90	Pioneer	25.5	12.7	—	—	27	1
P4750RR	Progeny	25.5	—	—	—	28	1
ES4998RR	Eagle Seed	25.3	—	—	—	28	1
Armor 47-G10	Armor	25.3	45.7	—	—	28	1
DKR 4744s	Delta King	25.3	—	—	—	22	1
ARX 1481 (E)	Armor	25.0	—	—	—	26	1
DG 4970RR	Delta Grow	24.9	41.7	—	—	27	1
Armor 47-R33	Armor	24.9	41.7	—	—	21	1
4990.RC	Schillinger	24.8	12.4	—	—	28	1
USG 74A91	USG	24.7	12.3	—	—	28	1
NK S47-R3 Brand	NK Brand	24.5	—	—	—	29	1
48R10TM	REVTM	24.4	12.2	—	—	28	1
R2 491 (E)	MorSoy	24.3	—	—	—	18	1
S06-3095 (E)	Public	24.3	—	—	—	27	1
HBK R4924	Hornbeck	24.1	35.4	—	—	30	1
RC 4757	Croplan Genetics	24.0	37.3	—	—	27	1
47R22 TM	REV TM	23.8	—	—	—	26	1
ARX 1477 (E)	Armor	23.7	—	—	—	22	1
ES 4818	Eagle Seed	23.5	38.9	—	—	28	1
DKX 1474 (E)	Delta King	23.3	—	—	—	28	1
49R10TM	REVTM	23.2	11.6	—	—	26	1
TV49R17	Terral	23.2	11.6	—	—	37	1
94Y92	Pioneer	23.1	—	—	—	25	1
P4810RY (E)	Progeny	22.9	—	—	—	23	1
94Y70	Pioneer	22.5	11.2	—	—	27	1

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

Table 22 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 35RY47	Dyna-Gro	22.4	—	—	—	26	1
DG 37P49	Dyna-Gro	21.9	11.0	—	—	25	1
Armor 47-F8	Armor	21.9	42.7	—	—	25	1
AG4907	Asgrow	21.7	43.0	—	—	30	1
DKX 1492 (E)	Delta King	21.6	—	—	—	25	1
Progeny 4906RR	Progeny	21.2	10.6	—	—	26	1
MorSoy RTs4824	MorSoy	20.9	37.3	—	—	24	1
478.RCS	Schillinger	20.9	10.4	—	—	26	1
DKX 1473 (E)	Delta King	20.4	—	—	—	26	1
R2S 4800	MorSoy	20.3	—	—	—	24	1
RC 4877	Croplan Genetics	19.3	38.2	—	—	28	1
USG 74G78	USG	19.3	—	—	—	26	1
ARX 1478 (E)	Armor	19.0	—	—	—	22	1
DK 4968	Delta King	18.8	37.6	—	—	28	1
AG4730	Asgrow	18.8	—	—	—	25	1
MorSoy RT4707N	MorSoy	18.3	42.4	—	—	26	1
ES 4777	Eagle Seed	18.2	30.6	—	—	26	1
MorSoy RT4955N (E)	MorSoy	18.2	38.5	—	—	29	1
TV49R19	Terral	18.1	9.0	—	—	28	1
P4807RR	Progeny	17.9	9.0	—	—	25	1
AG4404	Asgrow	17.3	—	—	—	23	1
DKX 1491 (E)	Delta King	16.7	—	—	—	25	1
S49-H7 Brand	NK Brand	16.4	8.2	—	—	26	1
TV47R18	Terral	16.3	8.1	—	—	31	1
R2 496 (E)	MorSoy	16.0	—	—	—	27	1
NK S49-A5 Brand	NK Brand	15.0	—	—	—	32	1
ARX 1472 (E)	Armor	13.6	—	—	—	23	1
P4920RY (E)	Progeny	13.6	—	—	—	27	1
ES4988RR	Eagle Seed	10.9	—	—	—	32	1
Overall Mean		23.0	24.5	—			
LSD (.10)		5.0					
Error degrees of freedom		144					
CV (%)		16.0					
R^2 (%)		69.8					

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

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

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
95Y40	Pioneer	76.1	58.4	57.9	—	27	1
P5210RY (E)	Progeny	73.8	—	—	—	30	1
P5610RY (E)	Progeny	73.4	—	—	—	29	1
DG 5275RR2	Delta Grow	72.6	—	—	—	27	1
DG 37RY52	Dyna-Gro	71.6	—	—	—	28	1
95Y30	Pioneer	71.4	58.2	—	—	32	1
ARX 1535 (E)	Armor	71.4	—	—	—	32	1
Delta King GP-500	Delta King	71.3	55.5	54.4	—	33	1
95Y31	Pioneer	71.1	—	—	—	37	1
54R10TM	REVTM	71.1	56.6	—	—	33	1
AV 50X6RR	AgVenture	70.8	59.0	58.2	—	37	2
DKX 1534 (E)	Delta King	70.3	—	—	—	33	1
MorSoy RT5388N (E)	MorSoy	70.1	58.7	56.2	—	29	1
95Y01	Pioneer	69.9	—	—	—	33	1
54R21 TM	REV TM	69.7	—	—	—	28	1
DG 35P53	Dyna-Gro	69.3	—	—	—	35	1
HBK RY5220	Hornbeck	69.2	—	—	—	34	1
Progeny 5115RR	Progeny	69.1	57.4	56.6	—	39	2

[1]Sharkey clay soil. (E)=Experimental.
[2]No maturity dates given.

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

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
56R21 TM	REV TM	68.9	—	—	—	32	1
DG 33B52	Dyna-Gro	68.8	55.7	54.4	—	30	1
P5330RR	Progeny	68.8	—	—	—	36	1
TV54R28	Terral	68.7	57.0	54.2	—	34	1
Progeny 5218RR (E)	Progeny	68.6	56.5	55.9	—	29	1
TV55R20	Terral	68.1	56.4	—	—	34	1
DKX 1533 (E)	Delta King	68.0	—	—	—	32	1
MorSoy RT5688N (E)	MorSoy	68.0	61.8	58.8	—	32	1
ES5444RR	Eagle Seed	68.0	—	—	—	26	1
R2 521 (E)	MorSoy	67.3	—	—	—	29	1
HBK R5226	Hornbeck	66.9	56.6	54.8	—	28	1
DKX 1538 (E)	Delta King	66.7	—	—	—	30	1
USG 75J30R	USG	66.7	—	—	—	28	1
RC 5419	Croplan Genetics	66.6	56.3	—	—	34	1
MorSoy RT5168N (E)	MorSoy	66.3	57.6	58.2	—	40	2
RT 5429N	MorSoy	66.3	—	—	—	32	1
P5110RY (E)	Progeny	66.0	—	—	—	29	1
DKX 1537 (E)	Delta King	65.9	—	—	—	32	1
RC 5007S	Croplan Genetics	65.7	—	54.4	—	35	1
ES5355RR	Eagle Seed	65.6	—	—	—	26	1
USG 75J10R	USG	65.6	—	—	—	35	1
AG5531	Asgrow	65.5	—	—	—	23	1
DK 5363	Delta King	65.5	58.2	—	—	33	1
R2 520 (E)	MorSoy	65.4	—	—	—	28	1
ES 5507RR	Eagle Seed	65.4	60.0	—	—	35	1
Progeny 5622RR	Progeny	65.1	62.2	58.7	—	34	1
ES5190RR2 (E)	Eagle Seed	65.1	—	—	—	22	1
55R21 TM	REV TM	65.0	—	—	—	30	1
557.RC	Schillinger	64.8	53.5	49.8	—	29	1
DG 35F55	Dyna-Gro	64.8	57.3	56.5	—	34	1
Armor 53-Z5	Armor	64.7	54.7	—	—	27	1
DG5300RR	Delta Grow	64.7	55.4	53.4	—	34	1
DG 5555RR	Delta Grow	64.6	55.3	54.7	—	35	1
TV55R15	Terral	64.3	56.6	55.7	—	38	1
Delta King GP-533	Delta King	64.2	53.8	50.0	—	32	1
DG 5280RR	Delta Grow	64.0	53.9	53.5	—	28	1
ES 5656RR	Eagle Seed	64.0	55.4	—	—	34	1
NK S56-G6 Brand	NK Brand	63.8	—	—	—	25	1
USG 75T18	USG	62.9	—	—	—	28	1
TV52R79	Terral	62.8	56.5	—	—	30	1
AARX 1531 (E)	Amor	62.6	—	—	—	28	1
ES5390RR2 (E)	Eagle Seed	62.6	—	—	—	23	1
HBK R5529	Hornbeck	62.5	—	—	—	27	1
Progeny 5650RR	Progeny	62.5	55.0	54.7	—	37	2
DG 33X55	Dyna-Gro	62.3	56.1	53.0	—	32	1
AV 51X5RR	AgVenture	61.6	51.0	51.0	—	37	1
DG 32A53	Dyna-Gro	60.7	51.9	51.5	—	29	1
AV 54X4RR	AgVenture	60.6	55.3	52.2	—	30	1
AG5331	Asgrow	60.3	—	—	—	26	1
AGS 568RR	AgSouth	60.2	56.5	53.1	—	32	1
DKX 1539 (E)	Delta King	60.1	—	—	—	55	3
DKX 1540 (E)	Delta King	59.6	—	—	—	48	3
AGS 554RR	AGS	58.6	54.4	—	—	33	1
HBK R5525	Hornbeck	58.1	52.7	51.4	—	30	1
S06-3053 (E)	Public	57.7	—	—	—	35	1
ES 5519RR	Eagle Seed	55.9	50.1	47.8	—	32	1
S06-4649 (E)	Public	55.5	—	—	—	35	1
NK S51-T8 Brand	NK Brand	54.1	—	—	—	40	1
P5310RY (E)	Progeny	53.8	—	—	—	53	3
AG5431	Asgrow	53.0	—	—	—	42	2
ARX 1551 (E)	Armor	51.6	—	—	—	45	3
R2 540 (E)	MorSoy	47.7	—	—	—	45	2

[1]Sharkey clay soil. (E)=Experimental.
[2]No maturity dates given.

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

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
ARX 1552 (E)	Armor	47.0	—	—	—	48	3
ES 5121	Eagle Seed	46.0	40.9	43.6	—	44	1
HBK RY5520	Hornbeck	45.8	—	—	—	45	3
Overall Mean		63.2	—	—			
LSD (.10)		5.0					
Error degrees of freedom		144					
CV (%)		16.0					
R^2 (%)		69.8					

[1]Sharkey clay soil. (E)=Experimental.
[2]No maturity dates given.

Table 24. Roundup Ready Maturity Group V Late Irrigated (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AGS 597	AGS	67.4	60.2	—	—	32	1
AGS 606RR	AGS	55.5	51.9	50.4	—	29	1
AG5831	Asgrow	64.6	—	—	—	25	1
DG 5970RR	Delta Grow	56.5	53.6	53.5	—	32	1
DG 33C59	Dyna-Gro	69.4	61.3	58.8	—	32	1
HBK RY5820	Hornbeck	50.3	—	—	—	44	2
NK S57-K3 Brand	NK Brand	59.4	—	—	—	37	1
95Y70	Pioneer	57.7	53.5	51.4	—	34	1
Progeny 5706RR	Progeny	57.4	57	55.6	—	34	1
57R21 TM	REV TM	66.1	—	—	—	39	1
TV59R16	Terral	70.7	62.2	59.4	—	32	1
Overall Average		61.4	57.1	54.9			
LSD (.10)		4.3					
Error degrees of freedom		20					
CV (%)		5.0					
R^2 (%)		87.4					

[1]Sharkey clay soil. All are released variables.
[2]No maturity dates taken.

Location 1. MAFES Delta Branch, Stoneville (Cotton)

Location Summary

Soybean plots were planted into a stale seedbed after the previous season's rice crop. Good soil moisture and warm temperatures at planting allowed for quick germination, and plots emerged to an excellent stand. Timely irrigations maintained good soil moisture throughout the growing season, and good yields were achieved.

Soil type: . . . . . **Dundee Silty Clay Loam**

Soil pH: **6.8**

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

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . . **Preemergence — Gramoxone @ 1 qt/A, Dual II Magnum @ 24 oz/A, and Scepter @ 2.5 oz/A**
Postemergence — Roundup Powermax @ 22 oz/A, Firstrate @ 0.3 oz/A, and Ultra Blazer @ 8 oz/A
Postemergence — Layby – Roundup Powermax @ 22 oz/A, Dual II Magnum @ 8 oz/A, and Ultra Blazer @ 8 oz/A

Irrigation dates: . . . . . **June 23, July 8, July 22, and August 5**

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

Planting date: . . . . . **May 12**

Harvest date: . . . . . **Group IV Early and Group IV Late Roundup Ready on September 21; Group V Early and Group V Late Roundup Ready on September 30**

Rainfall Summary

April	**2.38**
May	**5.28**
June	**1.24**
July	**1.89**
August	**0.24**
September	**2.13**
Total	**13.16**

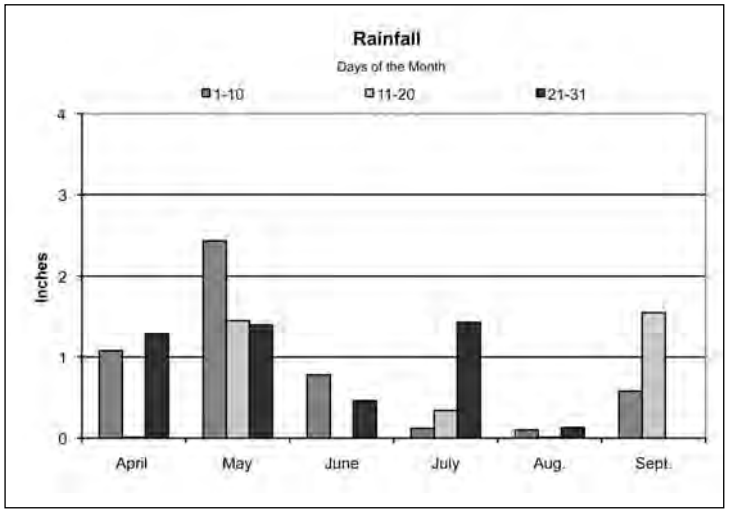


Table 25. Roundup Ready Maturity Group IV Early Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4130	Asgrow	70.8	—	—	—	44	2
94Y40	Pioneer	68.5	—	—	—	42	1
P4610RY (E)	Progeny	68.4	—	—	—	42	1
EXP941R2	Asgrow	67.8	—	—	—	50	3
Armor 42-M1	Armor	67.8	—	—	—	45	1
44R22 TM	REV TM	67.2	—	—	—	44	1
MEMPHIS 943RR	Merschman	66.8	—	—	—	41	1
DG 36C44	Dyna-Gro	66.2	—	—	—	40	1
AG4531	Asgrow	66.0	—	—	—	47	1
93Y92	Pioneer	65.0	—	—	—	40	2
AG4605	Asgrow	64.4	—	—	—	46	1
AG4303	Asgrow	64.2	—	—	—	37	1
Progeny 4206RR	Progeny	64.1	—	—	—	48	1
DG 34RY46	Dyna-Gro	64.0	—	—	—	44	1
EXP944R2	Asgrow	63.5	—	—	—	41	1
458.RCS (E)	Schillinger	63.1	—	—	—	48	1
P4209RY	Progeny	63.1	—	—	—	48	3
DG 4470RR/STS	Delta Grow	61.6	—	—	—	36	1
Progeny 4606RR	Progeny	61.3	—	—	—	44	1
EXP943R2	Asgrow	61.2	—	—	—	48	2
USG 74A69	USG	60.8	—	—	—	45	2
EXP946R2	Asgrow	60.8	—	—	—	46	1
AG4630	Asgrow	60.8	—	—	—	45	1
AV 45x5RR	AgVenture	60.4	—	—	—	47	2
NK S44-D5 Brand	NK Brand	60.1	—	—	—	37	1
P4510RY (E)	Progeny	59.3	—	—	—	45	2
94Y20	Pioneer	58.7	—	—	—	45	2
DG 35X43	Dyna-Gro	58.2	—	—	—	41	1
P3910RY (E)	Progeny	58.1	—	—	—	43	3
USG 74C69R	USG	57.0	—	—	—	50	2
RC 4417	Croplan Genetics	56.4	—	—	—	45	1
DKR 4440 (E)	Delta King	56.0	—	—	—	50	2
RT 4539	Croplan Genetics	56.0	—	—	—	53	2
TV46R19	Terral	56.0	—	—	—	46	1
45R10TM	REVTM	55.4	—	—	—	52	1
VPM 44X1	VP Maxx	54.9	—	—	—	43	2
ES 4333RR	Eagle Seed	54.8	—	—	—	39	2
HBK R4527	Hornbeck	54.7	—	—	—	54	1
Progeny P3909RR (E)	Progeny	54.1	—	—	—	49	1
457.RCP	Schillinger	54.0	—	—	—	52	2
USG 74T59	USG	52.1	—	—	—	41	2
TV46R15	Terral	50.9	—	—	—	52	2
S07-15722 (E)	Public	50.9	—	—	—	56	1
HBK R4729	Hornbeck	50.0	—	—	—	38	1
Overall Mean		60.4	—	—			
LSD (.10)		8.7					
Error degrees of freedom		86					
CV (%)		10.7					
R^2 (%)		53.7					

[1]Dundee Silty Clay Loam soil
[2]No 2- or 3-year yields.
[3]No maturity dates taken.

Table 26. Roundup Ready Maturity Group IV Late Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
P4750RR	Progeny	68.9	—	—	—	48	1
94Y70	Pioneer	67.1	—	—	—	52	1
R2 491 (E)	MorSoy	66.3	—	—	—	25	1
AG4831	Asgrow	66.3	—	—	—	52	1
ARX 1482 (E)	Armor	66.1	—	—	—	42	1
DG 33G48	Dyna-Gro	65.2	—	—	—	45	2
HBK R4924	Hornbeck	65.2	—	—	—	50	2
RC 4877	Croplan Genetics	65.0	—	—	—	45	1
R2S 480 (E)	MorSoy	64.8	—	—	—	43	1
ES 4777	Eagle Seed	64.7	—	—	—	48	1
AG4730	Asgrow	64.6	—	—	—	47	1
P4810RY (E)	Progeny	64.2	—	—	—	46	1
MorSoy RT4707N	MorSoy	63.6	—	—	—	46	1
RC 4757	Croplan Genetics	63.4	—	—	—	37	1
ARX 1472 (E)	Armor	63.2	—	—	—	41	1
48R22 TM	REV TM	62.2	—	—	—	48	1
DKR 4744s	Delta King	62.1	—	—	—	44	1
47R22 TM	REV TM	61.2	—	—	—	55	1
94Y90	Pioneer	61.0	—	—	—	54	1
Armor 47-F8	Armor	60.9	—	—	—	50	3
ARX 1477 (E)	Armor	60.8	—	—	—	43	1
ARX 1481 (E)	Armor	60.7	—	—	—	44	1
R2S 4800	MorSoy	60.7	—	—	—	45	1
P4807RR	Progeny	60.7	—	—	—	41	1
AG4907	Asgrow	60.6	—	—	—	53	1
4990.RC	Schillinger	60.6	—	—	—	44	1
DG 4880RR	Delta Grow	60.3	—	—	—	44	2
49R22 TM	REV TM	60.3	—	—	—	50	1
HBK R4829	Hornbeck	60.2	—	—	—	43	2
DG 35RY47	Dyna-Gro	60.1	—	—	—	51	1
R2S 481 (E	MorSoy	60.1	—	—	—	45	1
ES4998RR	Eagle Seed	60.0	—	—	—	46	1
DG 37P49	Dyna-Gro	59.7	—	—	—	50	1
P4920RY (E)	Progeny	59.5	—	—	—	45	2
DG4770RR	Delta Grow	59.2	—	—	—	45	1
Armor 47-R33	Armor	59.1	—	—	—	46	1
USG 74G78	USG	59.1	—	—	—	43	1
DKX 1491 (E)	Delta King	58.4	—	—	—	45	1
Armor 47-G10	Armor	58.1	—	—	—	49	1
94Y80	Pioneer	57.7	—	—	—	48	1
ARX 1478 (E)	Armor	57.7	—	—	—	50	2
DG 4970RR	Delta Grow	57.6	—	—	—	44	3
P4710RY (E)	Progeny	57.3	—	—	—	44	1
48R21 TM	REV TM	57.3	—	—	—	49	1
S06-3095 (E)	Public	57.2	—	—	—	44	1
Progeny 4906RR	Progeny	57.1	—	—	—	50	2
AV48A8RR	AgVenture	57.1	—	—	—	49	1
94Y92	Pioneer	56.7	—	—	—	50	1
R2 496 (E)	MorSoy	56.6	—	—	—	41	1
478.RCS	Schillinger	56.6	—	—	—	48	1
DKX 1492 (E)	Delta King	56.6	—	—	—	45	1
DG4975LARR	Delta Grow	56.3	—	—	—	47	2
NK S49-A5 Brand	NK Brand	56.0	—	—	—	49	1
MorSoy RT4955N (E)	MorSoy	55.8	—	—	—	52	2
MorSoy RTs4824	MorSoy	55.7	—	—	—	41	1
49R11TM	REVTM	55.6	—	—	—	38	1
USG 74A91	USG	55.2	—	—	—	44	2
495.RC	Schillinger	54.8	—	—	—	47	2
49R10TM	REVTM	54.8	—	—	—	56	2
TV47R18	Terral	54.7	—	—	—	46	1
DKX 1473 (E)	Delta King	54.5	—	—	—	52	1
Progeny 4908RR (E)	Progeny	54.4	—	—	—	53	1
NK S47-R3 Brand	NK Brand	54.3	—	—	—	52	2
ES 4818	Eagle Seed	54.1	—	—	—	53	1
DKX 1474 (E)	Delta King	54.1	—	—	—	40	1
S49-H7 Brand	NK Brand	53.7	—	—	—	51	1

[1]Dundee Silty Clay Loam soil
[2]No 2- or 3-year yields.
[3]No maturity dates taken.

Table 26 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4404	Asgrow	53.5	—	—	—	43	1
TV49R17	Terral	52.6	—	—	—	52	1
48R10TM	REVTM	51.7	—	—	—	49	1
Progeny 4949RR	Progeny	51.0	—	—	—	51	2
TV49R19	Terral	49.1	—	—	—	47	1
ES4988RR	Eagle Seed	46.9	—	—	—	46	1
DK 4968	Delta King	46.0	—	—	—	45	1
Overall Mean		58.7					
LSD (.10)		6.1					
Error degrees of freedom		144					
CV (%)		7.8					
R^2 (%)		63.9					

[1]Dundee Silty Clay Loam soil.
[2]No 2- or 3-year yields.
[3]No maturity dates taken.

Table 27. Roundup Ready Maturity Group V Early Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
P5210RY (E)	Progeny	68.3	—	—	—	36	1
95Y40	Pioneer	66.7	—	—	—	26	1
DG 37RY52	Dyna-Gro	65.6	—	—	—	37	1
AARX 1531 (E)	Amor	65.4	—	—	—	32	1
Armor 53-Z5	Armor	65.3	—	—	—	26	1
ARX 1535 (E)	Armor	65.2	—	—	—	27	1
P5110RY (E)	Progeny	64.3	—	—	—	32	1
56R21 TM	REV TM	64.3	—	—	—	33	1
Delta King GP-533	Delta King	63.4	—	—	—	40	1
95Y30	Pioneer	63.4	—	—	—	34	1
Progeny 5650RR	Progeny	63.3	—	—	—	42	2
DG 35P53	Dyna-Gro	63.1	—	—	—	33	1
MorSoy RT5688N (E)	MorSoy	62.4	—	—	—	34	1
557.RC	Schillinger	62.1	—	—	—	34	1
DG5300RR	Delta Grow	61.5	—	—	—	36	1
TV55R15	Terral	61.5	—	—	—	35	1
HBK R5529	Hornbeck	61.2	—	—	—	34	1
HBK R5525	Hornbeck	60.9	—	—	—	34	1
ES 5507RR	Eagle Seed	60.7	—	—	—	32	1
DG 5275RR2	Delta Grow	60.5	—	—	—	33	1
ES 5656RR	Eagle Seed	60.3	—	—	—	36	1
54R21 TM	REV TM	60.3	—	—	—	38	1
P5610RY (E)	Progeny	60.2	—	—	—	41	1
DKX 1534 (E)	Delta King	60.2	—	—	—	44	1
AGS 568RR	AgSouth	60.2	—	—	—	33	1
DG 35F55	Dyna-Gro	59.9	—	—	—	40	1
DKX 1533 (E)	Delta King	59.2	—	—	—	35	1
TV55R20	Terral	58.8	—	—	—	42	1
AG5331	Asgrow	58.6	—	—	—	30	1
AV 54X4RR	AgVenture	58.5	—	—	—	56	1
ES5444RR	Eagle Seed	58.4	—	—	—	29	1
DG 33X55	Dyna-Gro	58.4	—	—	—	40	1
95Y31	Pioneer	58.2	—	—	—	44	2
RT 5429N	MorSoy	58.0	—	—	—	27	1
Delta King GP-500	Delta King	57.9	—	—	—	32	1
RC 5007S	Croplan Genetics	57.5	—	—	—	40	1
MorSoy RT5388N (E)	MorSoy	57.4	—	—	—	36	1
TV54R28	Terral	57.4	—	—	—	36	1
AGS 554RR	AGS	56.9	—	—	—	36	1

[1]Dundee Silty Clay Loam soil.
[2]No 2- or 3-year yields.
[3]No maturity dates taken.

Table 27 (cont.). Roundup Ready Maturity Group V Early Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
ES5190RR2 (E)	Eagle Seed	56.8	—	—	—	24	1
DK 5363	Delta King	56.6	—	—	—	36	1
HBK R5226	Hornbeck	56.6	—	—	—	32	1
Progeny 5218RR (E)	Progeny	56.6	—	—	—	36	1
ES5355RR	Eagle Seed	56.5	—	—	—	30	1
Progeny 5622RR	Progeny	56.4	—	—	—	36	1
AG5531	Asgrow	56.2	—	—	—	30	1
HBK RY5220	Hornbeck	56.2	—	—	—	40	1
P5330RR	Progeny	55.6	—	—	—	36	3
S06-3053 (E)	Public	55.3	—	—	—	38	1
DG 5280RR	Delta Grow	54.9	—	—	—	28	1
R2 521 (E)	MorSoy	54.9	—	—	—	36	1
54R10TM	REVTM	54.7	—	—	—	42	1
DG 32A53	Dyna-Gro	54.3	—	—	—	39	1
DG 33B52	Dyna-Gro	54.3	—	—	—	38	1
NK S56-G6 Brand	NK Brand	54.2	—	—	—	36	1
RC 5419	Croplan Genetics	53.4	—	—	—	39	1
55R21 TM	REV TM	53.4	—	—	—	40	1
ES5390RR2 (E)	Eagle Seed	53.3	—	—	—	29	1
DKX 1538 (E)	Delta King	52.7	—	—	—	34	1
R2 520 (E)	MorSoy	52.5	—	—	—	32	1
USG 75J10R	USG	52.4	—	—	—	46	1
S06-4649 (E)	Public	52.4	—	—	—	40	1
DG 5555RR	Delta Grow	52.2	—	—	—	35	1
AV 50X6RR	AgVenture	51.9	—	—	—	37	1
TV52R79	Terral	51.5	—	—	—	26	1
USG 75T18	USG	51.4	—	—	—	30	1
DKX 1537 (E)	Delta King	51.3	—	—	—	36	1
95Y01	Pioneer	49.8	—	—	—	41	1
USG 75J30R	USG	49.6	—	—	—	28	1
MorSoy RT5168N (E)	MorSoy	49.4	—	—	—	49	1
ES 5519RR	Eagle Seed	49.1	—	—	—	28	1
Progeny 5115RR	Progeny	47.2	—	—	—	50	2
P5310RY (E)	Progeny	46.6	—	—	—	36	3
NK S51-T8 Brand	NK Brand	46.5	—	—	—	48	1
AV 51X5RR	AgVenture	45.0	—	—	—	49	1
ARX 1552 (E)	Armor	44.8	—	—	—	49	2
R2 540 (E)	MorSoy	44.3	—	—	—	52	2
DKX 1540 (E)	Delta King	43.9	—	—	—	58	3
DKX 1539 (E)	Delta King	43.7	—	—	—	53	3
AG5431	Asgrow	42.9	—	—	—	50	2
HBK RY5520	Hornbeck	42.8	—	—	—	55	1
ARX 1551 (E)	Armor	41.1	—	—	—	50	3
ES 5121	Eagle Seed	38.1	—	—	—	58	1
Overall Average		55.8					
LSD (.10)		5.9					
Error degrees of freedom		164					
CV (%)		7.9					
R^2 (%)		77.0					

[1]Dundee Silty Clay Loam soil.
[2]No 2- or 3-year yields.
[3]No maturity dates taken.

Table 28. Roundup Ready Maturity Group V Late Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
57R21 TM	REV TM	63.5	—	—	—	41	1
TV59R16	Terral	58.8	—	—	—	40	1
AG5831	Asgrow	57.4	—	—	—	34	1
DG 33C59	Dyna-Gro	57.2	—	—	—	39	1
Progeny 5706RR	Progeny	56.9	—	—	—	42	1
AGS 597	AGS	54.8	—	—	—	36	1
NK S57-K3 Brand	NK Brand	53.0	—	—	—	40	1
DG 5970RR	Delta Grow	48.4	—	—	—	42	1
95Y70	Pioneer	47.8	—	—	—	42	1
HBK RY5820	Hornbeck	46.5	—	—	—	53	2
AGS 606RR	AGS	44.1	—	—	—	40	1
Overall Average		53.5					
LSD (.10)		8.7					
Error degrees of freedom		20					
CV (%)		11.6					
R^2 (%)		59.1					

[1]Dundee Silty Clay Loam soil
[2]No 2- or 3-year yields.
[3]No maturity dates taken.

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

Location Summary

Soybeans were planted into a stale seedbed. Soil moisture was adequate at planting, and all plots quickly emerged to a good stand. Temperatures were near normal throughout the growing season. Timely irrigations throughout the summer maintained adequate soil moisture, preventing any drought stress to the plots. As a result of this, good yields were observed. There were no delays at harvest time.

Soil type:	**Tunica clay loam**
Soil pH:	**7.0**
Soil fertility:	**P=H; K=H**
Fertilizer added:	**None**
Herbicide applications:	**Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 1.5 pt/A, and Roundup Powermax @ 22 oz/A** **Postemergence — Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A**
Irrigation dates	**June 28, July 8, July 29, and August 10**
Previous crop:	**Rice**
Planting date	**May 7**
Harvest dates	**Group IV Early and IV Late on September 21; Group V Early and V Late on September 30**

Rainfall Summary

April	**5.28**
May	**4.74**
June	**2.93**
July	**2.86**
August	**5.86**
Total	**21.67**

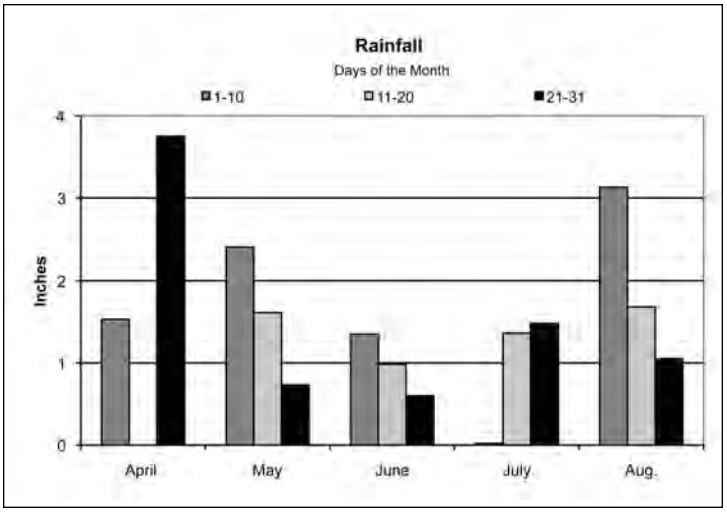


Table 29. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
EXP941R2	Asgrow	75.0	—	—	9/02	36	1
USG 74A69	USG	74.8	59.9	—	9/10	34	1
AG4531	Asgrow	73.5	—	—	9/11	33	1
DG 34RY46	Dyna-Gro	73.3	—	—	9/14	33	1
Armor 42-M1	Armor	72.8	51	58.5	9/08	32	1
AG4303	Asgrow	71.7	53.5	56.5	9/06	26	1
44R22 TM	REV TM	71.4	—	—	9/07	36	1
P4510RY (E)	Progeny	71.0	—	—	9/10	35	1
458.RCS (E)	Schillinger	69.6	57.1	62.5	9/10	30	1
MEMPHIS 943RR	Merschman	69.3	—	—	9/10	34	1
DG 35X43	Dyna-Gro	69.2	—	—	9/08	32	1
AG4605	Asgrow	68.4	52	61.1	9/08	35	1
DG 36C44	Dyna-Gro	68.4	56.7	61.1	9/07	27	1
EXP946R2	Asgrow	68.2	—	—	9/06	35	1
P4610RY (E)	Progeny	67.7	—	—	9/12	34	1
NK S44-D5 Brand	NK Brand	67.6	52.2	59.5	9/08	33	1
AV 45x5RR	AgVenture	67.6	52.5	—	9/10	42	1
EXP944R2	Asgrow	67.6	—	—	9/07	34	1
Progeny 4606RR	Progeny	67.5	47.1	52.3	9/13	34	1
P4209RY	Progeny	66.9	—	—	9/11	34	1
ES 4333RR	Eagle Seed	66.8	53.3	57.8	9/09	35	1
EXP943R2	Asgrow	66.5	—	—	9/03	37	1
94Y40	Pioneer	66.5	—	—	9/07	32	1
457.RCP	Schillinger	66.5	57.5	62	9/12	36	1
AG4630	Asgrow	66.2	—	—	9/10	39	1
HBK R4729	Hornbeck	66.0	—	—	9/10	34	1
VPM 44X1	VP Maxx	65.9	56.8	—	9/03	38	1
USG 74C69R	USG	65.5	49.8	—	9/09	40	1
AG4130	Asgrow	64.4	—	—	9/07	31	1
DG 4470RR/STS	Delta Grow	64.4	53.6	—	9/06	28	1
94Y20	Pioneer	64.1	55.8	59.2	9/02	33	1
USG 74T59	USG	63.9	—	—	9/09	39	1
93Y92	Pioneer	63.7	—	—	9/01	28	1
Progeny P3909RR (E)	Progeny	63.6	49.2	—	9/02	34	1
Progeny 4206RR	Progeny	63.5	52.3	61.5	9/02	32	1
S07-15722 (E)	Public	63.1	—	—	9/10	46	1
HBK R4527	Hornbeck	62.8	53.4	58.4	9/07	39	1
P3910RY (E)	Progeny	62.8	—	—	9/03	37	1
RT 4539	Croplan Genetics	62.5	—	—	9/08	40	1
45R10TM	REVTM	60.9	55.7	—	9/08	36	1
TV46R15	Terral	60.7	52.7	57.6	9/07	42	1
RC 4417	Croplan Genetics	60.0	53.1	58.9	9/07	35	1
DKR 4440 (E)	Delta King	59.7	—	—	9/11	40	1
TV46R19	Terral	54.3	46.4	46.2	9/10	38	1
Overall Mean		66.5	53.3	58.2			
LSD (.10)		6.7					
Error degrees of freedom		86					
CV (%)		7.4					
R^2 (%)		60.0					

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

Table 30. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
P4710RY (E)	Progeny	75.2	—	—	9/12	36	1
AG4831	Asgrow	75.0	—		9/13	45	1
R2S 481 (E	MorSoy	74.7	—	—	9/10	38	1
R2S 480 (E)	MorSoy	73.8	—	—	9/11	34	1
ARX 1472 (E)	Armor	72.7	—	—	9/07	35	1
478.RCS	Schillinger	72.0	62.1	66.8	9/16	35	1
DKR 4744s	Delta King	71.9	—	—	9/10	35	1
ARX 1481 (E)	Armor	70.6	—	—	9/10	35	1

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

Table 30 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4829	Hornbeck	70.2	56.6	—	9/11	38	1
DG 37P49	Dyna-Gro	69.7	59.1	65.7	9/16	40	1
DG 33G48	Dyna-Gro	69.5	—	—	9/16	44	1
ES 4777	Eagle Seed	69.4	56.3	60.1	9/16	38	1
ARX 1477 (E)	Armor	69.3	—	—	9/13	38	1
RC 4877	Croplan Genetics	69.1	52.9	58.8	9/14	36	1
Armor 47-F8	Armor	69.0	56.5	—	9/14	34	1
Armor 47-R33	Armor	68.9	62.6	—	9/14	34	1
DKX 1491 (E)	Delta King	68.8	—	—	9/18	30	1
DKX 1492 (E)	Delta King	68.7	—	—	9/16	36	1
ARX 1478 (E)	Armor	68.6	—	—	9/15	34	1
48R22 TM	REV TM	68.5	—	—	9/08	38	2
R2 496 (E)	MorSoy	68.5	—	—	9/17	38	1
RC 4757	Croplan Genetics	68.1	56.3	63.8	9/14	34	1
AV48A8RR	AgVenture	68.0	—	—	9/11	31	1
AG4730	Asgrow	68.0	—	—	9/08	35	1
94Y70	Pioneer	68.0	59.8	65.2	9/07	36	1
P4920RY (E)	Progeny	68.0	—	—	9/17	36	1
AG4404	Asgrow	67.7	—	—	9/16	35	1
Progeny 4906RR	Progeny	67.6	57.6	62.4	9/17	40	1
USG 74A91	USG	67.5	55.6	62.1	9/15	39	1
MorSoy RT4955N (E)	MorSoy	67.4	56.8	63	9/18	35	1
P4807RR	Progeny	67.4	—	60.2	9/14	39	1
USG 74G78	USG	67.4	—	—	9/14	42	1
49R22 TM	REV TM	67.2	—	—	9/15	48	1
R2S 4800	MorSoy	67.0	—	—	9/14	35	1
ARX 1482 (E)	Armor	66.5	—	—	9/11	34	1
ES4998RR	Eagle Seed	66.3	—	—	9/10	38	1
DG 4880RR	Delta Grow	66.3	—	—	9/11	35	1
P4750RR	Progeny	66.3	53.3	—	9/11	35	1
DG4975LARR	Delta Grow	66.2	56.3	61.7	9/13	35	1
AG4907	Asgrow	66.0	56.1	61.7	9/10	42	1
P4810RY (E)	Progeny	66.0	—	—	9/10	35	1
ES 4818	Eagle Seed	65.6	54.5	59.1	9/18	42	1
MorSoy RT4707N	MorSoy	65.6	56.8	60.2	9/13	42	1
47R22 TM	REV TM	65.4	—	—	9/14	38	1
48R21 TM	REV TM	65.4	—	—	9/14	34	1
94Y80	Pioneer	65.3	59.5	—	9/08	35	2
HBK R4924	Hornbeck	65.2	55.4	61.7	9/17	42	1
48R10TM	REVTM	65.0	59.2	—	9/11	39	1
49R10TM	REVTM	64.8	58.8	—	9/13	34	2
DKX 1473 (E)	Delta King	64.4	—	—	9/11	44	1
R2 491 (E)	MorSoy	63.9	—	—	9/17	25	1
DG 4970RR	Delta Grow	63.8	55.4	59.2	9/14	32	1
DG 35RY47	Dyna-Gro	63.7	—	—	9/08	40	1
S49-H7 Brand	NK Brand	63.1	54	—	9/14	39	1
94Y90	Pioneer	62.5	52.8	58.3	9/08	33	1
94Y92	Pioneer	62.1	—	—	9/13	35	1
4990.RC	Schillinger	61.8	56.0		9/16	42	1
NK S49-A5 Brand	NK Brand	61.7	—	—	9/15	45	1
DG4770RR	Delta Grow	61.5	56.2	61.4	9/07	38	1
Armor 47-G10	Armor	60.9	52.4	—	9/14	43	1
S06-3095 (E)	Public	60.6	—	—	9/13	30	1
495.RC	Schillinger	59.9	51.1	57.8	9/15	45	2
MorSoy RTs4824	MorSoy	59.6	53.2	—	9/13	38	1
49R11TM	REVTM	59.0	53.2	—	9/06	35	1
NK S47-R3 Brand	NK Brand	58.9	—	—	9/16	43	2
TV49R19	Terral	58.2	49.6	55.1	6/16	46	1
Progeny 4949RR	Progeny	57.9	53.8	59.2	9/16	44	2
DKX 1474 (E)	Delta King	57.6	—	—	9/11	43	1
DK 4968	Delta King	56.8	54.0	58.9	9/14	47	1
TV47R18	Terral	56.5	51.2	58.1	9/11	44	2
TV49R17	Terral	54.8	50.3	55.4	9/13	49	1
Progeny 4908RR (E)	Progeny	49.1	44.8	54	9/13	34	1
ES4988RR	Eagle Seed	39.1	—	—	9/19	34	1
Overall Mean		65.3	55.3	60.4			
LSD (.10)		6.0					
Error degrees of freedom		144					
CV (%)		6.8					
R^2 (%)		72.9					

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

Table 31. Roundup Ready Maturity Group V Early Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
P5210RY (E)	Progeny	78.0	—	—	9/23	27	1
ARX 1535 (E)	Armor	76.6	—	—	9/18	22	1
DKX 1533 (E)	Delta King	76.1	—	—	9/16	24	1
DG 5275RR2	Delta Grow	75.8	—	—	9/20	32	1
P5610RY (E)	Progeny	75.2	—	—	9/25	26	1
56R21 TM	REV TM	75.1	—	—	9/24	22	1
Progeny 5622RR	Progeny	74.5	58.3	59.3	9/28	27	1
DKX 1534 (E)	Delta King	74.1	—	—	9/17	27	1
54R10TM	REVTM	73.6	61.5		9/21	26	1
S06-4649 (E)	Public	73.2	—	—	9/21	27	1
Progeny 5218RR (E)	Progeny	73.1	56.4	62.7	9/24	23	1
95Y30	Pioneer	73.0	57.2	—	9/23	26	1
ES 5656RR	Eagle Seed	72.8	63.1	—	9/25	24	1
DG 35P53	Dyna-Gro	72.2	—	—	9/24	26	1
HBK R5529	Hornbeck	71.8	—	—	9/27	20	1
TV55R20	Terral	71.7	58.6	—	9/23	26	1
DG5300RR	Delta Grow	71.1	57.3	57.1	9/25	22	1
TV55R15	Terral	71.0	57.9	59.6	9/24	27	1
Progeny 5115RR	Progeny	70.5	57.2	57.2	9/24	45	1
ES 5507RR	Eagle Seed	70.1	50.7	—	9/27	32	1
AGS 554RR	AGS	69.7	56.9	—	9/20	22	1
MorSoy RT5388N (E)	MorSoy	69.7	52.2	56.0	9/23	25	1
DG 35F55	Dyna-Gro	69.5	57.1	58.9	9/25	26	1
HBK RY5220	Hornbeck	69.2	—	—	9/17	24	1
TV54R28	Terral	69.1	53.7	56.9	9/20	28	1
AGS 568RR	AgSouth	69.1	56.2	57.5	9/28	26	1
RC 5419	Croplan Genetics	69.0	54.0	—	9/25	27	1
RT 5429N	MorSoy	68.9	—	—	9/23	26	1
DG 5555RR	Delta Grow	68.8	53.9	57.5	9/24	23	1
DG 37RY52	Dyna-Gro	68.5	—	—	9/23	22	1
AV 54X4RR	AgVenture	68.4	53.8	58.0	9/27	25	1
MorSoy RT5688N (E)	MorSoy	68.3	56.5	60.1	9/30	23	1
95Y40	Pioneer	68.2	55.2	61.1	9/24	21	1
MorSoy RT5168N (E)	MorSoy	68.2	59.3	60.4	9/21	43	1
DK 5363	Delta King	68.1	55.7	—	9/26	24	1
AV 50X6RR	AgVenture	68.0	62.4	62.9	9/16	44	1
AG5531	Asgrow	67.9	—	—	9/23	22	1
95Y31	Pioneer	67.9	—	—	9/18	27	1
USG 75J10R	USG	67.9	—	—	9/21	35	1
AV 51X5RR	AgVenture	67.9	58.2	62.1	9/18	49	1
P5330RR	Progeny	67.7	—	—	9/20	32	1
Progeny 5650RR	Progeny	67.7	49.5	52.9	9/28	40	1
RC 5007S	Croplan Genetics	67.7	58.8	59.9	9/19	24	1
ES 5519RR	Eagle Seed	67.5	49.7	49.5	9/26	29	1
54R21 TM	REV TM	67.3	—	—	9/20	20	1
95Y01	Pioneer	66.8	—	—	9/16	31	1
55R21 TM	REV TM	66.7	—	—	9/26	25	1
P5110RY (E)	Progeny	66.3	—	—	9/21	20	1
HBK R5226	Hornbeck	66.1	50.9	57.1	9/21	22	1
Armor 53-Z5	Armor	65.9	53.4	—	9/27	20	1
ES5355RR	Eagle Seed	65.3	—	—	9/21	24	1
S06-3053 (E)	Public	65.2	—	—	9/24	21	1
DG 5280RR	Delta Grow	65.0	54.9	60.4	9/26	24	1
TV52R79	Terral	64.7	53.4	—	9/27	24	1
Delta King GP-533	Delta King	64.6	53.4	57.7	9/25	28	1
ES5390RR2 (E)	Eagle Seed	64.3	—	—	9/16	18	1
DG 33B52	Dyna-Gro	64.1	52.7	56.5	9/18	20	1
ES5444RR	Eagle Seed	64.1	—	—	9/19	25	1
NK S56-G6 Brand	NK Brand	63.7	—	—	9/28	22	1
DG 33X55	Dyna-Gro	63.5	54.0	55.6	9/26	24	1
USG 75J30R	USG	63.4	—	—	9/23	19	1
ES5190RR2 (E)	Eagle Seed	63.3	—	—	9/23	18	1
HBK R5525	Hornbeck	63.3	49.1	55.5	9/27	27	1
AARX 1531 (E)	Amor	63.3	—	—	9/19	18	1
R2 520 (E)	MorSoy	62.8	—	—	9/18	24	1
R2 521 (E)	MorSoy	62.3	—	—	9/18	24	1
P5310RY (E)	Progeny	61.8	—	—	9/21	44	1
DKX 1537 (E)	Delta King	61.6	—	—	9/19	32	1

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

Table 31 (cont.). Roundup Ready Maturity Group V Early Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5331	Asgrow	61.4	—	—	9/20	23	1
AG5431	Asgrow	60.8	—	—	9/25	45	1
DG 32A53	Dyna-Gro	60.6	52.5	56.4	9/21	22	1
DKX 1540 (E)	Delta King	60.1	—	—	9/23	42	1
557.RC	Schillinger	60.0	55.2	58.3	9/27	20	1
DKX 1539 (E)	Delta King	59.6	—	—	9/23	44	1
Delta King GP-500	Delta King	59.1	52.9	59.1	9/21	26	1
HBK RY5520	Hornbeck	59.1	—	—	9/26	42	1
DKX 1538 (E)	Delta King	58.9	—	—	9/18	28	1
USG 75T18	USG	58.5	—	—	9/17	22	1
ARX 1552 (E)	Armor	57.0	—	—	9/26	44	1
ARX 1551 (E)	Armor	56.7	—	—	9/26	44	1
NK S51-T8 Brand	NK Brand	55.2	—	—	9/18	38	1
R2 540 (E)	MorSoy	54.0	—	—	9/26	42	1
ES 5121	Eagle Seed	45.6	46.8	47.8	9/20	42	1
Overall Average		66.6	55.1	57.7			
LSD (.10)		6.1					
Error degrees of freedom		164					
CV (%)		6.8					
R^2 (%)		71.0					

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

Table 32. Roundup Ready Maturity Group V Late Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5831	Asgrow	74.9	—	—	9/26	21	1
AGS 597	AGS	74.5	60.1	—	9/30	26	1
HBK RY5820	Hornbeck	75.0	—	—	9/24	23	1
Progeny 5706RR	Progeny	70.5	56.6	58.8	9/29	32	1
57R21 TM	REV TM	74.1	—	—	9/24	22	1
DG 5970RR	Delta Grow	70.1	52.8	57.0	9/30	27	1
TV59R16	Terral	73.4	56.6	63.0	9/30	22	1
NK S57-K3 Brand	NK Brand	66.9	—	—	9/28	26	1
DG 33C59	Dyna-Gro	71.6	57.4	60.2	9/30	22	1
95Y70	Pioneer	66.7	52.1	54.0	9/28	35	1
AGS 606RR	AGS	64.7	51.6	54.7	9/29	27	1
Overall Average		71.1	55.31	57.95			
LSD (.10)		5.0					
Error degrees of freedom		20					
CV (%)		4.9					
R^2 (%)		62.9					

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

Location 2. Mattson Farms, Clarksdale (Nonirrigated)

Location Summary

The plots were planted into a stale seedbed with good soil moisture. The plots quickly emerged to a good stand. All plots showed good growth and development the first portion of the growing season. Below-average rainfall during the time when pods were trying to fill resulted in a significant reduction of each plot's yield potential. Harvest was completed in a timely manner with no weather delays.

Soil type:	**Sharkey Clay**
Soil pH:	**6.8**
Soil fertility:	**P=H, K=H**
Fertilizer added:	**None**
Herbicide applications:	**Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 1.5 pt/A, and Gramoxone @ 1 qt/A on April 16** **Postemergence — Roundup Powermax @ 22 oz/A on May 21, Roundup Powermax @ 22 oz/A, and Firstrate @ 0.3 oz/A on June 2**
Planting date:	**April 16**
Harvest date:	**Group IV Early Roundup Ready on August 25; Group IV Late Roundup Ready on September 3**
Previous crop:	**Soybeans**

Rainfall Summary

April	**5.28**
May	**4.74**
June	**2.93**
July	**2.86**
August	**5.86**
Total	**21.67**

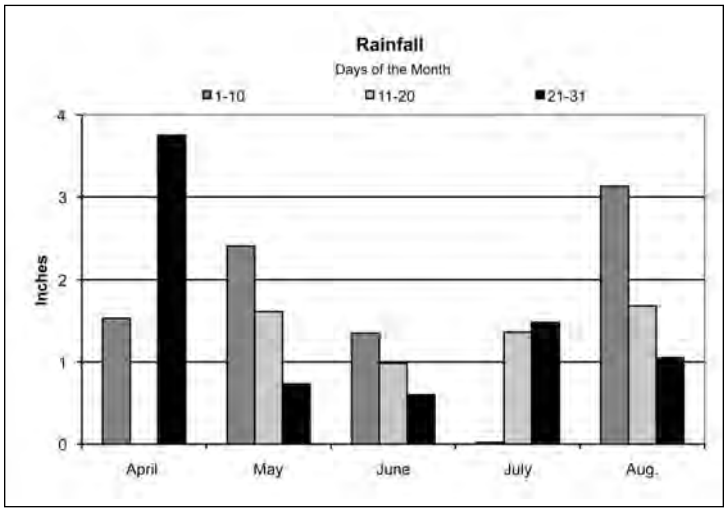


Table 33. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y20	Pioneer	17.7	31.2	31.6	8/19	22	1
EXP941R2	Asgrow	17.6	—	—	8/18	25	1
EXP946R2	Asgrow	16.6	—	—	8/21	23	1
93Y92	Pioneer	15.6	—	—	8/18	24	1
MEMPHIS 943RR	Merschman	14.8	—	—	8/24	23	1
458.RCS (E)	Schillinger	14.8	31.7	32.9	8/23	23	1
EXP944R2	Asgrow	14.7	—	—	8/18	25	1
RC 4417	Croplan Genetics	14.4	32.1	31.3	8/24	25	1
P4209RY	Progeny	14.0	—	—	8/24	22	1
NK S44-D5 Brand	NK Brand	13.9	31.0	31.1	8/21	22	1
AG4130	Asgrow	13.7	—	—	8/23	21	1
Progeny 4206RR	Progeny	13.6	25.4	28.0	8/18	25	1
AG4605	Asgrow	13.1	28.5	27.0	8/25	21	1
USG 74A69	USG	12.8	41.5	—	8/19	22	1
VPM 44X1	VP Maxx	12.6	30.3	—	8/18	28	1
HBK R4527	Hornbeck	12.5	36.8	35.9	8/26	26	1
P3910RY (E)	Progeny	12.2	—	—	8/18	25	1
Armor 42-M1	Armor	12.1	30.5	32.0	8/19	20	1
AG4630	Asgrow	12.1	—	—	8/24	19	1
P4610RY (E)	Progeny	11.8	—	—	8/23	21	1
Progeny P3909RR (E)	Progeny	11.7	23.3	—	8/25	19	1
44R22 TM	REV TM	11.3	—	—	8/19	21	1
DG 36C44	Dyna-Gro	11.2	25.2	25.3	8/19	17	1
DG 34RY46	Dyna-Gro	11.2	—	—	8/23	21	1
RT 4539	Croplan Genetics	11.1	—	—	8/25	26	1
P4510RY (E)	Progeny	11.0	—	—	8/24	18	1
AG4531	Asgrow	11.0	—	—	8/24	22	1
Progeny 4606RR	Progeny	11.0	29.7	32.1	8/24	22	1
TV46R15	Terral	10.5	32.8	29.8	8/18	29	1
HBK R4729	Hornbeck	10.2	—	—	8/26	20	1
EXP943R2	Asgrow	10.2	—	—	8/18	21	1
USG 74T59	USG	9.6	—	—	8/26	24	1
AG4303	Asgrow	8.7	22.9	25.5	8/23	17	1
DG 35X43	Dyna-Gro	7.0	—	—	8/18	22	1
ES 4333RR	Eagle Seed	6.9	24.5	24.5	8/18	21	1
AV 45x5RR	AgVenture	6.7	25.9	—	8/18	22	1
USG 74C69R	USG	6.5	30.2	—	8/24	23	1
DKR 4440 (E)	Delta King	6.5	—	—	8/26	24	1
DG 4470RR/STS	Delta Grow	6.4	22.6	—	8/18	21	1
457.RCP	Schillinger	6.4	31.9	31.7	8/31	25	1
45R10TM	REVTM	6.4	30.3	—	8/18	25	1
S07-15722 (E)	Public	6.0	—	—	8/29	27	1
94Y40	Pioneer	5.7	—	—	8/23	20	1
TV46R19	Terral	3.1	26.3	26.5	8/23	26	1
Overall Mean		11.1	29.3	29.7			
LSD (.10)		2.4					
Error degrees of freedom		86					
CV (%)		16.0					
R^2 (%)		85.4					

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

Table 34. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y80	Pioneer	30.0	—	—	8/21	30	1
94Y90	Pioneer	22.1	—	—	8/25	27	1
48R22 TM	REV TM	21.8	—	—	8/23	26	1
HBK R4829	Hornbeck	21.8	—	—	8/30	20	1
P4750RR	Progeny	21.2	—	—	8/21	24	1
49R22 TM	REV TM	20.7	—	—	8/30	35	1
EXP948R2	Asgrow	20.4	—	—	8/27	27	1
ARX 1478 (E)	Armor	19.5	—	—	8/25	23	1
94Y92	Pioneer	19.5	—	—	8/25	21	1
48R21 TM	REV TM	19.3	—	—	8/24	23	1

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

Table 34 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
S06-3095 (E)	Public	18.3	—	—	8/31	18	1
94Y70	Pioneer	18.1	—	—	8/19	26	1
P4810RY (E)	Progeny	18.0	—	—	8/23	21	1
47R22 TM	REV TM	17.7	—	—	8/21	25	1
RC 4877	Croplan Genetics	17.6	—	—	8/25	22	1
DKX 1491 (E)	Delta King	17.5	—	—	8/25	23	1
49R10TM	REVTM	17.1	—	—	8/31	28	1
Progeny 4906RR	Progeny	17.0	—	—	8/25	25	1
DKX 1474 (E)	Delta King	16.9	—	—	8/25	26	1
DG 4970RR	Delta Grow	16.8	—	—	8/28	25	1
DG 35RY47	Dyna-Gro	16.7	—	—	8/23	30	1
49R11TM	REVTM	16.6	—	—	8/21	22	1
495.RC	Schillinger	16.5	—	—	8/28	27	1
AV48A8RR	AgVenture	16.4	—	—	8/26	21	1
P4920RY (E)	Progeny	16.3	—	—	8/25	22	1
R2S 4800	MorSoy	16.2	—	—	8/23	18	1
Progeny 4949RR	Progeny	15.9	—	—	8/25	25	1
Armor 47-F8	Armor	15.9	—	—	8/24	24	1
RC 4757	Croplan Genetics	15.9	—	—	8/30	20	1
Armor 47-G10	Armor	15.7	—	—	8/25	31	1
DKX 1473 (E)	Delta King	15.6	—	—	8/25	26	1
DG 33G48	Dyna-Gro	15.6	—	—	8/25	26	1
DG4770RR	Delta Grow	15.5	—	—	8/24	20	1
DG 4880RR	Delta Grow	15.5	—	—	8/28	21	1
48R10TM	REVTM	15.5	—	—	8/25	30	1
ARX 1477 (E)	Armor	15.5	—	—	8/25	17	1
Progeny 4908RR (E)	Progeny	15.4	—	—	8/27	29	1
P4710RY (E)	Progeny	15.3	—	—	8/21	24	1
R2 491 (E)	MorSoy	15.1	—	—	8/31	18	1
AG4730	Asgrow	15.1	—	—	8/19	23	1
HBK R4924	Hornbeck	14.9	—	—	8/31	28	1
AG4404	Asgrow	14.8	—	—	8/31	20	1
USG 74A91	USG	14.6	—	—	8/28	18	1
DKR 4744s	Delta King	14.5	—	—	8/28	23	1
Armor 47-R33	Armor	14.3	—	—	8/23	21	1
R2S 481 (E	MorSoy	14.1	—	—	8/23	20	1
ARX 1481 (E)	Armor	14.0	—	—	8/25	20	1
ARX 1482 (E)	Armor	14.0	—	—	8/25	20	1
AG4907	Asgrow	14.0	—	—	8/25	27	1
4990.RC	Schillinger	13.7	—	—	8/29	27	1
P4807RR	Progeny	13.4	—	—	8/25	24	1
MorSoy RT4707N	MorSoy	13.1	—	—	8/24	23	1
DKX 1492 (E)	Delta King	13.0	—	—	8/28	25	1
S49-H7 Brand	NK Brand	12.4	—	—	8/29	21	1
ES4998RR	Eagle Seed	12.1	—	—	8/25	22	1
R2 496 (E)	MorSoy	11.8	—	—	8/30	20	1
DK 4968	Delta King	11.4	—	—	8/27	32	1
ARX 1472 (E)	Armor	11.2	—	—	8/23	22	1
USG 74G78	USG	10.9	—	—	8/23	25	1
R2S 480 (E)	MorSoy	10.6	—	—	8/29	23	1
478.RCS	Schillinger	10.5	—	—	8/19	21	1
ES 4818	Eagle Seed	9.8	—	—	8/28	22	1
MorSoy RTs4824	MorSoy	9.8	—	—	8/29	21	1
DG4975LARR	Delta Grow	9.6	—	—	8/30	22	1
DG 37P49	Dyna-Gro	8.8	—	—	8/28	22	1
TV49R17	Terral	8.7	—	—	8/31	33	1
ES 4777	Eagle Seed	8.5	—	—	8/28	18	1
MorSoy RT4955N (E)	MorSoy	7.6	—	—	8/29	23	1
TV49R19	Terral	7.6	—	—	8/30	23	1
TV47R18	Terral	7.5	—	—	8/30	26	1
NK S49-A5 Brand	NK Brand	7.0	—	—	8/30	25	1
NK S47-R3 Brand	NK Brand	6.6	—	—	8/30	21	1
ES4988RR	Eagle Seed	3.1	—	—	8/27	27	1
Overall Mean		14.7	—	—			
LSD (.10)		4.0					
Error degrees of freedom		144					
CV (%)		20.3					
R^2 (%)		76.4					

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

Location 3. Todd Williams Farm, Olive Branch

Location Summary

Soybean plots were planted into a freshly tilled seedbed. Warm soil temperatures and adequate moisture resulted in uniform germination and excellent stands. Temperatures were near normal during the growing season. Rainfall was slightly below normal, but timely rains at critical points during the season supplied enough soil moisture to still allow for good yields. Plots were harvested with no weather delays.

Soil type: . . . . . **Collins Silt Loam**

Soil pH: **6.0**

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

Fertilizer added: . . . . . **P_2O_5 @ 40 lb/A and K_2O @ 70 lb/A**

Herbicide applications: . . . . **Preemergence — Authority MTZ @ 12oz/A + Dual II Magnum @ 16 oz/A and Roundup Powermax @ 22 oz/A**
Postemergence — Roundup Powermax @ 22 oz/A + Firstrate @ 0.3 oz/A on June 14

Planting date: . . . . . **May 14**

Harvest date: . . . . . **September 28**

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

Rainfall Summary

April	**4.03**
May	**11.43**
June	**1.15**
July	**6.49**
August	**2.51**
September	**0.72**
October	**1.83**
Total	**28.16**

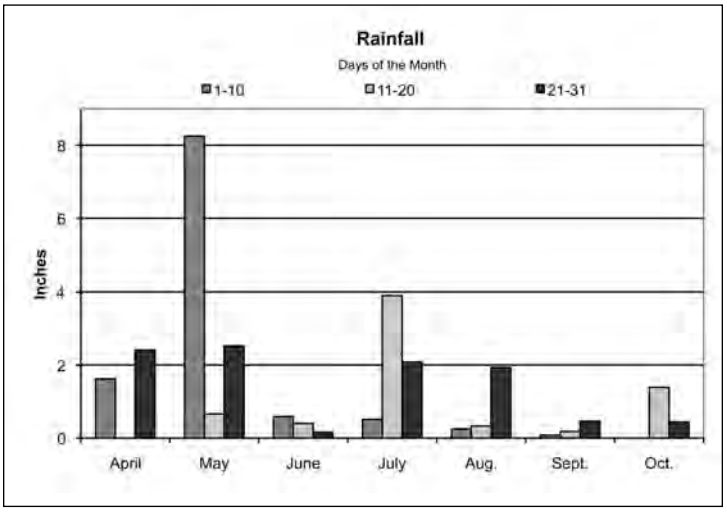


Table 35. Roundup Ready Maturity Group IV Early Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
44R22 TM	REV TM	61.5	—	—	9/20	35	1
Progeny 4606RR	Progeny	58.3	66.2	65.5	9/25	31	1
ES 4333RR	Eagle Seed	54.5	63.6	60.5	9/25	34	1
DG 35X43	Dyna-Gro	54.2	—	—	9/17	36	1
USG 74C69R	USG	54.1	55.4	—	9/25	40	1
EXP946R2	Asgrow	51.7	—	—	9/25	32	1
AG4605	Asgrow	51.1	60.5	58.9	9/15	32	1
94Y40	Pioneer	50.9	—	—	9/20	34	1
P4209RY	Progeny	50.9	—	—	9/20	33	1
P4610RY (E)	Progeny	50.5	—	—	9/25	32	1
MEMPHIS 943RR	Merschman	49.1	—	—	9/23	30	1
S07-15722 (E)	Public	49.1	—	—	9/20	41	1
AV 45x5RR	AgVenture	48.8	59.4	—	9/27	41	1
RT 4539	Croplan Genetics	48.5	—	—	9/25	33	1
45R10TM	REVTM	48.2	61.9	—	9/15	36	1
DG 36C44	Dyna-Gro	48.1	60.0	60.1	9/17	26	1
HBK R4527	Hornbeck	48.0	61.6	61.1	9/20	38	1
94Y20	Pioneer	47.1	61.0	63.9	9/25	35	1
AG4303	Asgrow	46.9	66.3	67.2	9/25	28	1
EXP943R2	Asgrow	46.4	—	—	9/15	37	1
VPM 44X1	VP Maxx	46.2	59.9	—	9/12	34	1
DKR 4440 (E)	Delta King	46.1	—	—	9/20	38	1
AG4531	Asgrow	46.0	—	—	9/28	35	1
USG 74T59	USG	45.9	—	—	9/28	40	1
TV46R15	Terral	45.7	50.3	52.8	9/20	40	1
TV46R19	Terral	45.4	50.4	52.0	9/20	33	1
USG 74A69	USG	45.3	62.7	—	9/25	32	1
93Y92	Pioneer	44.8	—	—	9/25	31	1
457.RCP	Schillinger	44.7	50.0	51.7	9/20	35	1
EXP944R2	Asgrow	44.3	—	—	9/20	33	1
EXP941R2	Asgrow	44.1	—	—	9/20	41	1
DG 34RY46	Dyna-Gro	44.1	—	—	9/20	33	1
AG4630	Asgrow	43.7	—	—	9/21	38	1
P4510RY (E)	Progeny	43.5	—	—	9/27	36	1
DG 4470RR/STS	Delta Grow	42.8	64.3	—	9/21	26	1
Progeny P3909RR (E)	Progeny	42.6	54.1	—	9/15	31	1
Armor 42-M1	Armor	42.0	56.8	57.0	9/17	30	1
AG4130	Asgrow	42.0	—	—	9/20	32	1
HBK R4729	Hornbeck	41.7	—	—	9/28	30	1
458.RCS (E)	Schillinger	40.7	60.7	59.1	9/25	30	1
Progeny 4206RR	Progeny	39.7	52.7	54.0	9/15	34	1
NK S44-D5 Brand	NK Brand	39.2	52.5	53.5	9/20	28	1
RC 4417	Croplan Genetics	37.4	53.8	56.4	9/25	38	1
P3910RY (E)	Progeny	34.1	—	—	9/15	37	1
Overall Mean		46.6	58.4	58.2			
LSD (.10)		6.2					
Error degrees of freedom		86					
CV (%)		9.7					
R^2 (%)		72.1					

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

Table 36. Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 33G48	Dyna-Gro	63.1	—	—	9/20	37	1
AV48A8RR	AgVenture	62.2	—	—	9/15	36	1
USG 74G78	USG	60.5	—	—	9/22	32	1
TV49R17	Terral	59.7	57.8	58.3	9/22	46	1
ES4998RR	Eagle Seed	58.9	—	—	9/16	37	1
Armor 47-F8	Armor	58.5	57.3	—	9/21	34	1
ES 4777	Eagle Seed	58.0	67.0	66.7	9/25	34	1

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

Table 36 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Armor 47-G10	Armor	57.7	61.5	—	9/22	43	1
Progeny 4908RR (E)	Progeny	57.6	67.1	67.9	9/19	37	1
94Y90	Pioneer	56.7	63.9	64.6	9/22	38	1
DG 37P49	Dyna-Gro	56.4	59.4	64.2	9/21	40	1
94Y80	Pioneer	56.2	62.3	—	9/18	34	1
4990.RC	Schillinger	55.9	68.2	—	9/25	35	1
P4807RR	Progeny	55.4	52.7	56.8	9/21	33	1
AG4730	Asgrow	55.1	—	—	9/25	35	1
ARX 1482 (E)	Armor	54.3	—	—	9/19	31	1
Progeny 4949RR	Progeny	54.3	64.4	65.6	9/19	35	1
HBK R4829	Hornbeck	54.1	54.6	—	9/22	31	1
49R10TM	REVTM	54.1	63.5	—	9/17	47	1
TV47R18	Terral	54.1	54.2	56.0	9/18	35	1
R2S 480 (E)	MorSoy	54.0	—	—	9/18	31	1
495.RC	Schillinger	53.4	62.9	65.1	9/22	38	1
49R22 TM	REV TM	53.2	—	—	9/17	42	1
P4920RY (E)	Progeny	53.1	—	—	9/15	34	1
DKX 1473 (E)	Delta King	53.1	—	—	9/20	36	1
Armor 47-R33	Armor	53.0	59.2	—	9/17	26	1
478.RCS	Schillinger	52.6	57.6	59.7	9/22	34	1
DG 4880RR	Delta Grow	52.6	—	—	9/22	33	1
MorSoy RTs4824	MorSoy	52.1	57.5	—	9/21	35	1
ARX 1478 (E)	Armor	51.9	—	—	9/22	34	1
NK S49-A5 Brand	NK Brand	51.8	—	—	9/30	38	1
R2 496 (E)	MorSoy	51.8	—	—	9/20	30	1
48R22 TM	REV TM	51.7	—	—	9/14	35	1
ARX 1481 (E)	Armor	51.5	—	—	9/16	29	1
ARX 1477 (E)	Armor	51.2	—	—	9/20	34	1
MorSoy RT4707N	MorSoy	51.0	55.6	61.1	9/22	36	1
AG4907	Asgrow	50.8	59.3	61.8	9/27	41	1
DKX 1492 (E)	Delta King	50.4	—	—	9/25	30	1
P4710RY (E)	Progeny	50.4	—	—	9/19	33	1
HBK R4924	Hornbeck	50.3	58.9	66.3	9/27	38	1
TV49R19	Terral	50.1	60.2	57.8	9/25	40	1
DK 4968	Delta King	49.9	60.3	65.6	9/24	36	1
94Y70	Pioneer	49.8	56.9	56.8	9/20	38	1
AG4404	Asgrow	49.7	—	—	9/20	27	1
49R11TM	REVTM	49.7	54.7	—	9/14	33	1
P4810RY (E)	Progeny	49.6	—	—	9/25	32	1
NK S47-R3 Brand	NK Brand	49.5	—	—	9/23	33	1
MorSoy RT4955N (E)	MorSoy	49.3	59.1	64.3	9/22	38	1
RC 4877	Croplan Genetics	49.1	55.9	59.4	9/18	31	1
DKX 1474 (E)	Delta King	49.1	—	—	9/19	37	1
Progeny 4906RR	Progeny	48.9	63.4	64.5	9/18	35	1
AG4831	Asgrow	48.9	—	—	9/20	35	1
94Y92	Pioneer	48.7	—	—	9/25	35	1
R2S 4800	MorSoy	48.6	—	—	9/25	29	1
R2S 481 (E	MorSoy	48.6	—	—	9/20	31	1
DG4975LARR	Delta Grow	48.4	64.9	66.6	9/27	36	1
DG4770RR	Delta Grow	48.2	60.5	61.2	9/20	29	1
ES 4818	Eagle Seed	48.2	59.7	61.8	9/25	32	1
DG 35RY47	Dyna-Gro	48.1	—	—	9/17	38	1
P4750RR	Progeny	47.8	—	—	9/18	38	1
RC 4757	Croplan Genetics	47.7	56.8	60.6	9/19	27	1
48R10TM	REVTM	47.7	54.5	—	9/15	33	1
DG 4970RR	Delta Grow	47.4	56.7	62.4	9/25	34	1
R2 491 (E)	MorSoy	47.1	—	—	9/18	20	1
47R22 TM	REV TM	46.4	—	—	9/17	40	1
DKR 4744s	Delta King	45.7	—	—	9/21	34	1
USG 74A91	USG	45.6	51.2	60.0	9/22	36	1
ARX 1472 (E)	Armor	45.5	—	—	9/12	27	1
DKX 1491 (E)	Delta King	45.1	—	—	9/17	30	1
S49-H7 Brand	NK Brand	43.9	54.0	—	9/27	38	1
S06-3095 (E)	Public	41.4	—	—	9/20	28	1
ES4988RR	Eagle Seed	41.1	—	—	9/27	38	1
48R21 TM	REV TM	40.0	—	—	9/17	34	1
Overall Mean		51.3	59.3	62.2			
LSD (.10)		6.8					
Error degrees of freedom		144					
CV (%)		9.8					
R^2 (%)		61.7					

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

Table 37. Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AGS 554RR	AGS	80.0	84.4	—	—	30	1
AV 54X4RR	AgVenture	70.9	74.6	76.5	—	26	1
Progeny 5622RR	Progeny	69.0	75.8	75.1	—	27	1
P5330RR	Progeny	68.8	—	—	—	35	1
AGS 568RR	AgSouth	68.1	69.5	70.9	—	26	1
DG 32A53	Dyna-Gro	66.4	68.6	73.8	—	23	1
DK 5363	Delta King	63.0	73.4	—	—	24	1
MorSoy RT5688N (E)	MorSoy	62.8	69.7	72.2	—	22	1
Delta King GP-533	Delta King	62.7	70.3	71.2	—	25	1
55R21 TM	REV TM	61.4	—	—	—	28	1
DG 33X55	Dyna-Gro	61.3	68.7	67.8	—	21	1
95Y40	Pioneer	60.9	71.2	72.9	—	29	1
DG 35P53	Dyna-Gro	60.3	—	—	—	27	1
HBK R5226	Hornbeck	59.5	71.3	72.7	—	25	1
ARX 1551 (E)	Armor	58.5	—	—	—	37	1
Progeny 5218RR (E)	Progeny	58.4	64.2	65.7	—	23	1
DKX 1537 (E)	Delta King	58.2	—	—	—	24	1
DG 37RY52	Dyna-Gro	57.7	—	—	—	26	1
NK S56-G6 Brand	NK Brand	57.6	—	—	—	19	1
95Y01	Pioneer	57.1	—	—	—	37	1
ES 5507RR	Eagle Seed	57.0	68.7	—	—	23	1
HBK RY5520	Hornbeck	56.7	—	—	—	38	1
P5610RY (E)	Progeny	56.4	—	—	—	24	1
DG 35F55	Dyna-Gro	56.2	62.3	67.0	—	34	1
ES 5656RR	Eagle Seed	56.1	67.0	—	—	29	1
ARX 1535 (E)	Armor	55.8	—	—	—	20	1
TV55R15	Terral	55.5	65.4	69.2	—	29	1
DKX 1540 (E)	Delta King	55.3	—	—	—	39	1
TV54R28	Terral	55.2	65.7	67.0	—	27	1
NK S51-T8 Brand	NK Brand	55.1	—	—	—	39	1
DG 5280RR	Delta Grow	54.9	63.0	67.5	—	26	1
ARX 1552 (E)	Armor	54.7	—	—	—	40	1
HBK R5525	Hornbeck	54.6	67.1	70.3	—	22	1
DKX 1533 (E)	Delta King	54.3	—	—	—	26	1
P5310RY (E)	Progeny	54.1	—	—	—	48	1
USG 75J10R	USG	54.0	—	—	—	34	1
P5210RY (E)	Progeny	53.8	—	—	—	30	1
R2 540 (E)	MorSoy	53.8	—	—	—	41	1
56R21 TM	REV TM	53.7	—	—	—	23	1
DG5300RR	Delta Grow	53.6	66.3	68.6	—	29	1
DKX 1539 (E)	Delta King	53.3	—	—	—	40	1
54R10TM	REVTM	53.3	62.8	—	—	28	1
R2 520 (E)	MorSoy	53.3	—	—	—	22	1
AG5431	Asgrow	53.1	—	—	—	47	1
ES 5519RR	Eagle Seed	53.1	62.1	65.0	—	27	1
USG 75T18	USG	52.8	—	—	—	23	1
AV 50X6RR	AgVenture	52.7	61.0	62.7	—	40	1
DG 5275RR2	Delta Grow	52.6	—	—	—	24	1
54R21 TM	REV TM	52.0	—	—	—	20	1
HBK R5529	Hornbeck	52.0	—	—	—	21	1
RT 5429N	MorSoy	51.9	—	—	—	23	1
95Y31	Pioneer	51.9	—	—	—	33	1
DG 5555RR	Delta Grow	51.6	61.2	67.0	—	27	1
DKX 1538 (E)	Delta King	51.6	—	—	—	23	1
Armor 53-Z5	Armor	51.1	64.7	—	—	22	1
TV55R20	Terral	50.9	61.5	—	—	23	1
557.RC	Schillinger	50.8	62.2	65.7	—	22	1
DG 33B52	Dyna-Gro	49.9	64.7	63.6	—	23	1
TV52R79	Terral	49.6	63.9	—	—	24	1
ES 5121	Eagle Seed	49.2	61.2	66.4	—	44	1
HBK RY5220	Hornbeck	49.2	—	—	—	29	1
AG5331	Asgrow	48.9	—	—	—	23	1
Progeny 5115RR	Progeny	48.7	61.2	65.9	—	41	1
AARX 1531 (E)	Amor	48.6	—	—	—	22	1
RC 5419	Croplan Genetics	48.5	54.7	—	—	27	1
95Y30	Pioneer	48.3	57.5	—	—	23	1
MorSoy RT5388N (E)	MorSoy	48.2	68.2	70.6	—	23	1
MorSoy RT5168N (E)	MorSoy	47.9	60.9	65.5	—	36	1

[1] Collins silt loam soil. (E)=Experimental.
[2] No maturity date given.

Table 37 (cont.). Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
R2 521 (E)	MorSoy	47.6	—	—	—	23	1
Progeny 5650RR	Progeny	47.6	63.6	68.2	—	27	1
DKX 1534 (E)	Delta King	47.2	—	—	—	29	1
AV 51X5RR	AgVenture	47.1	58.1	62.1	—	45	1
S06-4649 (E)	Public	47.0	—	—	—	30	1
ES5444RR	Eagle Seed	46.2	—	—	—	20	1
AG5531	Asgrow	46.1	—	—	—	18	1
USG 75J30R	USG	46.1	—	—	—	25	1
Delta King GP-500	Delta King	45.6	57.2	61.9	—	23	1
S06-3053 (E)	Public	45.0	—	—	—	28	1
P5110RY (E)	Progeny	44.7	—	—	—	2	1
ES5355RR	Eagle Seed	44.2	—	—	—	23	1
ES5190RR2 (E)	Eagle Seed	41.8	—	—	—	20	1
RC 5007S	Croplan Genetics	41.5	58.6	65.2	—	26	1
ES5390RR2 (E)	Eagle Seed	29.5	—	—	—	19	1
Overall Average		53.6	65.5	68.2			
LSD (.10)		7.8					
Error degrees of freedom		164					
CV (%)		10.4					
R^2 (%)		73.3					

[1]Collins silt loam soil. (E)=Experimental.
[2]No maturity date given.

Table 38. Roundup Ready Maturity Group V Late Soybean (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
NK S57-K3 Brand	NK Brand	55.5	—	—	—	20	1
Progeny 5706RR	Progeny	52.0	70.8	73.6	—	29	1
TV59R16	Terral	51.6	61.2	63.9	—	28	1
DG 5970RR	Delta Grow	51.4	65.9	70.3	—	25	1
95Y70	Pioneer	50.6	66.3	71.1	—	30	1
DG 33C59	Dyna-Gro	47.6	62.4	64.3	—	24	1
AGS 597	AGS	47.0	58.2	—	—	24	1
HBK RY5820	Hornbeck	44.4	—	—	—	20	1
57R21 TM	REV TM	39.7	—	—	—	23	1
AGS 606RR	AGS	38.7	60.6	64.7	—	20	1
AG5831	Asgrow	37.8	—	—	—	21	1
Overall Average		46.9	63.6	68.0			
LSD (.10)		5.9					
Error degrees of freedom		20					
CV (%)		9.0					
R^2 (%)		76.1					

[1] Collins silt loam soil. (E)=Experimental.
[2]No maturity date given.

Location 4. Gibb Steele Farms, Longwood

Location Summary

Soybeans were planted into adequate soil moisture, and good stands were established. The temperatures were normal throughout the growing season. Timely irrigations maintained adequate soil moisture throughout the growing season, resulting in good yields. Harvest was completed in a timely manner.

Soil type: . . . . . **Sharkey Clay**

Soil pH: **7.1**

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

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . **Preemergence — Authority MTZ @ 12 oz/A Dual II Magnum @ 1 qt/A and Roundup Powermax @ 22 oz/A**
Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A, Ultra Blazer @ 8 oz/A, and Firstrate @ 0.3 oz/A on June 7; Conventional – Select @ 10 oz/A, Ultra Blazer @ 8 oz/A, Firstrate @ 0.6 oz/A and Classic @ 0.5 oz/A on June 7
Postemergence Layby — Roundup Ready – Roundup Powermax @ 22 oz/A, Scepter @ 2.5 oz/A, and Dual II Magnum @ 8 oz/A on June 17; Conventional – Select @ 10 oz/A, Scepter @ 2.5 oz/A, Cobra @ 12 oz/A, and Dual II Magnum @ 8 oz/A on June 17

Planting date: . . . . . **April 15**

Harvest date: . . . . . **Group IV Conventional and Roundup Ready on September 9; Group V Conventional and Roundup Ready on September 17**

Irrigation dates: . . . . . **June 24, July 7, July 24, and August 8**

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

Rainfall Summary

May	**1.6**
June	**0.05**
July	**2.17**
August	**1.33**
September	**1.33**
Total	**6.48**

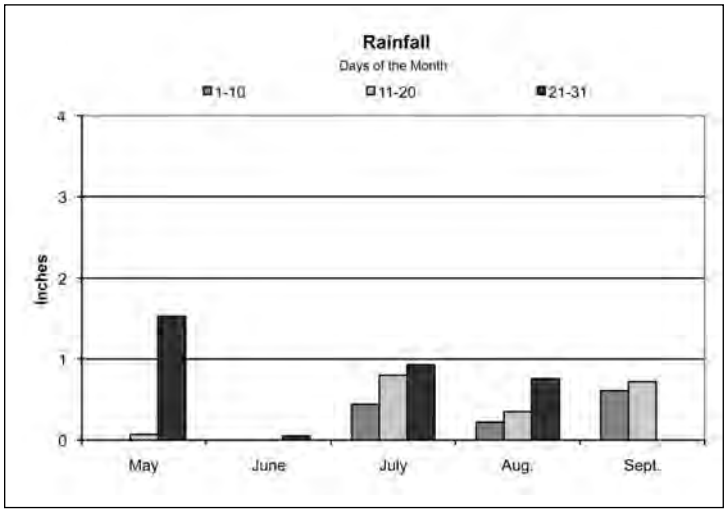


Table 39. Maturity Group IV Conventional Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
NASHVILLE 749RR	Merschman	82.5	63.7	—	8/28	32	1
MPG-X-410-1 (E)	Super Soy	79.7	—	—	8/28	31	1
HOUSTON 747RR	Merschman	78.4	59.2	—	8/30	30	1
e4920	eMerge	74.7	—	—	9/4	38	1
P4960LL (E)	Progeny	73.5	—	—	8/28	37	1
HBK C4926	Hornbeck	70.9	64.9	59.5	9/5	39	1
S07-5117 (E)	Public	70.4	—	—	8/30	26	1
MIAMI 949LL	Merschman	70.2	65.8	—	9/2	40	1
Halo 4:94	US Seeds	69.6	64.6	—	9/7	40	1
SS-09L.49N	Super Soy	68.1	63.8	—	8/29	37	1
ATLANTA 1047RR2Y	Merschman	67.2	59.8	—	8/28	29	1
Progeny P4910	Progeny	66.3	60.6	—	9/3	40	1
XP4520	eMerge	65.9	—	—	8/21	34	1
Halo 4:65	US Seeds	65.8	56.3	—	8/24	32	1
S07-5151 (E)	Public	65.2	—	—	8/15	27	1
HBK C4929	Hornbeck	64.7	61.2	—	9/7	43	1
ORLANDO 1048LL	Merschman	64.4	54.7	—	8/21	36	1
P4928LL	Progeny	63.0	—	—	9/4	35	1
LG01-5087-5	Public	61.3	55	—	8/26	36	1
SS-11L.48N	Super Soy	61.1	—	—	8/21	37	1
S07-5049 (E)	Public	58.6	—	—	8/14	29	1
Y227-2 (E)	Public	58.3	—	—	8/23	25	1
DG 4861LL	Delta Grow	57.6	—	—	8/20	30	1
SSC-049N	Super Soy	56.0	—	—	8/31	17	1
P4860LL (E)	Progeny	54.8	—	—	8/21	32	1
Y227-1 (E)	Public	54.5	—	—	8/22	26	3
UA 4910	Public	53.7	45.8	—	8//31	29	1
UA 4805	Public	43.5	43.7	34.6	8/28	15	1
Y163-2 (E)	Public	40.5	—	—	8/16	38	3
Overall Mean		64.2	58.5	47.1			
LSD (.10)		9.3					
Error degrees of freedom		56					
CV (%)		10.6					
R^2 (%)		76.2					

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

Table 40. Maturity Group V Conventional Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DB04-10836 (E)	Public	71.0	57.2	—	9/11	26	1
SSC-051N	Super Soy	69.9	—	—	9/7	16	1
S05-11482 (E)	Public	68.7	42.3	—	9/4	20	1
Progeny P5770	Progeny	67.2	55.6	—	9/8	20	1
DB03-8416 (E)	Public	67.0	54.0	45.7	9/4	23	1
P5460LL (E)	Progeny	65.7	—	—	9/5	41	1
E5110	eMerge	64.7	—	—	9/3	25	1
WHITNEY 1154LL	Merschman	64.0	—	—	9/4	34	1
ES5222 (E)	Eagle Seed	61.2	—	—	9/2	22	1
DB06-2257 (E)	Public	60.8	—	—	9/10	22	1
CB 5209	Morsoy	59.6	—	—	9/10	22	1
SS-10L.51N	Super Soy	59.2	46.8	—	9/8	15	1
S05-11268 (E)	Public	58.8	42.7	—	9/2	15	1
P5960LL (E)	Progeny	58.3	—	—	9/14	20	1
R04-357 (E)	Public	58.3	47.8	—	9/11	17	1
DG 5461RR	Delta Grow	57.7	—	—	9/4	36	1
Jake	Public	57.1	46.1	44.4	9/5	18	1
Halo 5:25	US Seeds	55.8	45.9	—	9/8	14	1
RUSHMORE 959RR	Merschman	55.4	49.2	—	9/16	18	1
Halo 5:65	US Seeds	55.1	46.7	—	9/12	18	1
HBK C5025	Hornbeck	54.7	55.7	53.6	9/11	48	3

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

Table 40 (cont.). Maturity Group V Conventional Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
OLYMPUS 1051LL	Merschman	54.5	46.3	—	9/9	16	1
V98-2711	Public	53.1	39.8	—	9/3	16	1
HBK C5528	Hornbeck	51.5	42.5	—	9/16	28	1
Osage	Public	50.0	42.8	38.9	9/4	16	1
JTN-5203 (E)	Public	48.7	—		9/1	17	1
P5160LL (E)	Progeny	48.7	—	—	9/3	14	1
Ozark	Public	39.5	34.5	33.1	9/4	16	1
Overall Mean		58.4	46.8	43.1			
LSD (.10)		8.3					
Error degrees of freedom		54					
CV (%)		10.4					
R^2 (%)		71.2					

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

Table 41. Roundup Ready Maturity Group IV Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4531	Asgrow	77.8	—	—	8/31	27	1
P4510RY (E)	Progeny	72.4	—	—	8/30	30	1
HBK R4729	Hornbeck	72.1	—	—	9/3	29	1
AG4605	Asgrow	70.1	57.5	52.7	8/27	28	1
DG 34RY46	Dyna-Gro	68.2	—	—	8/28	26	1
Progeny 4606RR	Progeny	67.4	54.4	52.4	8/28	28	1
USG 74A69	USG	67.4	51.5		8/25	26	1
HBK R4527	Hornbeck	67.2	57.7	51.1	8/26	32	1
MEMPHIS 943RR	Merschman	67.0	—	—	8/28	26	1
44R22 TM	REV TM	64.7	—	—	8/22	26	1
457.RCP	Schillinger	64.7	55.1	52.6	8/29	32	1
P4209RY	Progeny	64.6	—	—	8/26	31	1
EXP943R2	Asgrow	64.5	—	—	8/20	33	1
USG 74T59	USG	64.3	—	—	8/27	33	1
94Y40	Pioneer	62.9	—	—	8/22	24	1
S07-15722 (E)	Public	62.7	—	—	9/2	40	1
AV 45x5RR	AgVenture	62.1	51.7		8/27	34	1
AG4630	Asgrow	61.8	—	—	8/28	24	1
NK S44-D5 Brand	NK Brand	61.3	52.0	50.6	8/24	27	1
P4610RY (E)	Progeny	61.3	—	—	8/29	24	1
TV46R19	Terral	61.0	53.4	52.1	8/30	30	1
Armor 42-M1	Armor	60.7	49.9	48.2	8/22	25	1
RT 4539	Croplan Genetics	60.3	—	—	8/28	29	1
DKR 4440 (E)	Delta King	60.2	—	—	9/3	35	1
ES 4333RR	Eagle Seed	60.2	46.8	49.0	8/24	27	1
EXP946R2	Asgrow	59.9	—	—	8/23	27	1
USG 74C69R	USG	59.9	55.0		8/27	31	1
AG4130	Asgrow	58.8	—	—	8/18	28	1
458.RCS (E)	Schillinger	55.8	43.0	46.3	8/25	27	1
EXP941R2	Asgrow	55.6	—	—	8/13	31	1
AG4303	Asgrow	54.7	47.1	52.3	8/17	27	1
DG 36C44	Dyna-Gro	54.5	42.6	45.1	8/17	25	1
VPM 44X1	VP Maxx	54.1	50.7		8/17	33	1
45R10TM	REVTM	53.9	48.5		8/10	29	1
TV46R15	Terral	53.8	48.4	46.7	8/17	34	1
DG 35X43	Dyna-Gro	53.1	—	—	8/19	28	1
RC 4417	Croplan Genetics	49.6	38.8	42.8	8/14	29	1
EXP944R2	Asgrow	49.5	—	—	8/16	28	1
Progeny 4206RR	Progeny	49.1	40.0	41.4	8/12	24	1
94Y20	Pioneer	48.3	46.6	50.1	8/15	26	1
Progeny P3909RR (E)	Progeny	48.0	42.1		8/18	24	1

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

Table 41 (cont.). Roundup Ready Maturity Group IV Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG 4470RR/STS	Delta Grow	47.1	43.8	—	8/18	21	1
93Y92	Pioneer	46.7	—	—	8/7	26	1
P3910RY (E)	Progeny	44.0	—	—	8/13	30	1
Overall Mean		59.6	48.9	48.9			
LSD (.10)		7.9					
Error degrees of freedom		86					
CV (%)		9.8					
R^2 (%)		73.0					

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

Table 42. Roundup Ready Maturity Group IV Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
MorSoy RTs4824	MorSoy	77.4	59.5	—	9/4	27	1
DKX 1492 (E)	Delta King	76.7	—	—	9/9	26	1
Armor 47-G10	Armor	74.2	63.7	—	9/2	36	1
478.RCS	Schillinger	73.8	57.2	44.8	9/9	27	1
HBK R4924	Hornbeck	73.8	63.3	50.1	9/4	33	1
DKX 1491 (E)	Delta King	73.6	—	—	9/6	27	1
AG4404	Asgrow	73.5	—	—	9/6	28	1
R2 496 (E)	MorSoy	73.4	—	—	9/6	28	1
AV48A8RR	AgVenture	72.7	—	—	9/1	29	1
DG 37P49	Dyna-Gro	72.5	56.0	43.3	8/30	28	1
ES4998RR	Eagle Seed	71.7	—	—	9/3	33	1
DKR 4744s	Delta King	71.6	—	—	9/6	28	1
P4810RY (E)	Progeny	71.6	—	—	9/2	25	1
HBK R4829	Hornbeck	71.2	60.9	—	9/8	29	1
AG4907	Asgrow	70.9	60.0	51.3	9/3	33	1
DG4975LARR	Delta Grow	70.6	57.2	47.3	8/31	35	1
MorSoy RT4955N (E)	MorSoy	70.1	59.2	53.1	9/9	30	1
USG 74G78	USG	70.0	—		9/5	36	1
R2S 481 (E	MorSoy	69.8	—	—	9/3	27	1
P4710RY (E)	Progeny	69.7	—	—	8/31	31	1
Progeny 4906RR	Progeny	69.7	53.2	43.9	8/28	33	1
49R22 TM	REV TM	69.7	—	—	8/28	41	1
AG4831	Asgrow	68.8	—	—	9/2	28	1
AG4730	Asgrow	67.9	—	—	8/31	29	1
94Y92	Pioneer	67.7	—	—	9/5	30	1
Progeny 4949RR	Progeny	67.6	60.0	58.0	9/4	37	1
ES 4818	Eagle Seed	66.3	58.6	48.6	9/6	38	1
94Y80	Pioneer	66.1	58.8	—	8/28	34	1
47R22 TM	REV TM	65.7	—	—	9/3	29	1
48R21 TM	REV TM	65.7	—	—	8/31	28	1
TV47R18	Terral	65.5	56.9	52.9	8/29	31	1
P4920RY (E)	Progeny	65.4	—	—	9/2	28	1
USG 74A91	USG	65.3	51.5	46.1	8/29	31	1
495.RC	Schillinger	65.0	56.8	47.1	9/7	34	1
Armor 47-R33	Armor	64.4	56.4	—	9/1	26	1
ARX 1482 (E)	Armor	64.3	—	—	8/31	27	1
DG 35RY47	Dyna-Gro	64.1	—	—	8/31	35	1
DKX 1473 (E)	Delta King	64.0	—	—	8/28	30	1
P4750RR	Progeny	63.9	—	—	8/31	30	1
49R10TM	REVTM	63.8	60.6	—	8/23	29	1
DG 33G48	Dyna-Gro	63.7	—	—	9/6	36	1
DG 4970RR	Delta Grow	63.7	53.7	46.3	8/9	34	1
4990.RC	Schillinger	63.7	59.2	—	9/7	29	1
ARX 1481 (E)	Armor	63.6	—	—	9/1	26	1
48R10TM	REVTM	63.0	56.2	—	9/6	35	1
94Y90	Pioneer	62.8	56.5	47.0	9/1	32	1
Armor 47-F8	Armor	62.7	51.5	—	8/28	24	1
Progeny 4908RR (E)	Progeny	62.5	55.3	49.1	8/31	35	1

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

Table 42 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
R2S 480 (E)	MorSoy	62.0	—	—	8/30	23	1
94Y70	Pioneer	61.7	54.7	47.5	8/28	29	1
TV49R19	Terral	61.0	55.8	48.5	9/6	32	1
P4807RR	Progeny	60.8	53.2	46.8	9/1	31	1
DG4770RR	Delta Grow	60.7	49.9	44.2	8/23	26	1
ES 4777	Eagle Seed	60.7	58.3	48.3	9/3	31	1
DKX 1474 (E)	Delta King	60.3	—	—	8/28	27	1
TV49R17	Terral	59.9	55.2	52.4	9/9	38	1
ARX 1477 (E)	Armor	59.8	—	—	8/29	23	1
S49-H7 Brand	NK Brand	59.6	53.3	—	9/1	28	1
ARX 1478 (E)	Armor	59.5	—	—	8/29	23	1
DG 4880RR	Delta Grow	59.1	—	—	9/8	27	1
R2S 4800	MorSoy	59.0	—	—	9/9	23	1
RC 4757	Croplan Genetics	59.0	52.8	44.6	9/1	24	1
MorSoy RT4707N	MorSoy	58.2	51.4	47.3	9/3	29	1
RC 4877	Croplan Genetics	57.0	53.8	49.0	9/2	26	1
49R11TM	REVTM	56.8	49.0	—	8/29	26	1
DK 4968	Delta King	56.7	55.2	52.0	8/31	28	1
NK S47-R3 Brand	NK Brand	56.5	—	—	8/29	33	1
48R22 TM	REV TM	55.2	—	—	9/3	35	1
S06-3095 (E)	Public	53.9	—	—	8/31	26	1
R2 491 (E)	MorSoy	53.2	—	—	8/31	17	1
NK S49-A5 Brand	NK Brand	51.3	—	—	8/23	34	1
ES4988RR	Eagle Seed	45.8	—	—	9/5	38	2
ARX 1472 (E)	Armor	41.0	—	—	8/19	23	1
Overall Mean		64.4	56.2	48.4			
LSD (.10)		6.3					
Error degrees of freedom		144					
CV (%)		7.2					
R^2 (%)		77.3					

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

Table 43. Roundup Ready Maturity Group V Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AV 50X6RR	AgVenture	64.4	48.2	48.9	8/31	38	1
MorSoy RT5168N (E)	MorSoy	64.3	47.7	49.4	9/8	33	1
95Y31	Pioneer	61.5	-	—	9/5	24	1
DG 37RY52	Dyna-Gro	58.4	—	—	9/3	23	1
95Y01	Pioneer	58.2	—	—	9/5	25	1
AG5431	Asgrow	57.7	—	—	9/9	42	1
95Y30	Pioneer	57.6	48.8	—	9/8	20	1
P5610RY (E)	Progeny	57.5	—	—	9/7	20	1
HBK RY5220	Hornbeck	57.5	—	—	9/3	19	1
DG 35P53	Dyna-Gro	56.9	—	—	9/4	21	1
AGS 554RR	AGS	56.7	50.1	—	9/4	24	1
Progeny 5115RR	Progeny	56.7	44.1	45.6	9/4	37	1
MorSoy RT5388N (E)	MorSoy	56.0	47.9	43.9	9/8	19	1
DG 33B52	Dyna-Gro	56.0	49.0	43.9	9/1	21	1
MorSoy RT5688N (E)	MorSoy	55.9	50.7	48.6	9/15	20	1
P5330RR	Progeny	55.7	—	—	9/4	20	1
USG 75J10R	USG	55.5	—	—	9/7	25	1
RC 5419	Croplan Genetics	55.4	53.3	—	9/9	23	1
DK 5363	Delta King	55.2	52.5	—	9/9	27	1
P5210RY (E)	Progeny	55.1	—	—	9/1	17	1
Delta King GP-500	Delta King	54.6	40.2	37.2	9/3	20	1
DG 35F55	Dyna-Gro	54.6	52.1	48.6	9/8	26	1
95Y40	Pioneer	54.2	48.1	47.7	9/9	14	1
TV54R28	Terral	54.1	48.4	45.8	9/4	22	1
ARX 1552 (E)	Armor	53.4	—	—	9/16	48	1

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

Table 43 (cont.). Roundup Ready Maturity Group V Early Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
P5310RY (E)	Progeny	53.4	—	—	9/11	41	2
54R10TM	REVTM	53.0	50.9	—	9/3	26	1
DG 5275RR2	Delta Grow	52.9	—	—	8/31	16	1
TV55R20	Terral	52.9	49.8	—	9/3	22	1
Armor 53-Z5	Armor	52.8	41.7	—	9/7	16	1
Progeny 5622RR	Progeny	52.8	49.5	43.7	9/10	17	1
DKX 1534 (E)	Delta King	52.6	—	—	8/28	20	1
TV55R15	Terral	52.1	51.3	49.2	9/11	23	1
Progeny 5650RR	Progeny	52.1	47.3	47.0	9/11	24	1
56R21 TM	REV TM	52.1	—	—	9/2	22	1
DKX 1533 (E)	Delta King	52.0	—	—	8/28	21	1
54R21 TM	REV TM	52.0	—	—	9/5	21	1
NK S51-T8 Brand	NK Brand	51.9	—	—	9/16	33	1
DKX 1540 (E)	Delta King	51.7	—	—	9/9	44	3
HBK R5529	Hornbeck	51.4	—	—	9/9	19	1
HBK RY5520	Hornbeck	51.4	—	—	9/13	43	1
ARX 1535 (E)	Armor	51.3	—	—	8/31	15	1
ARX 1551 (E)	Armor	51.3	—	—	9/14	48	1
AG5331	Asgrow	51.2	—	—	9/1	15	1
R2 540 (E)	MorSoy	51.2	—	—	9/12	49	1
AV 51X5RR	AgVenture	51.1	36.4	38.4	8/31	34	1
AARX 1531 (E)	Amor	50.8	—	—	8/29	18	1
R2 521 (E)	MorSoy	50.8	—	—	9/2	17	1
AV 54X4RR	AgVenture	50.6	47.9	47.0	9/15	25	1
DG 32A53	Dyna-Gro	50.4	40.4	42.6	9/8	20	1
R2 520 (E)	MorSoy	50.4	—	—	9/3	18	1
AG5531	Asgrow	50.1	—	—	9/4	18	1
DG 5555RR	Delta Grow	49.3	49.6	46.6	9/8	19	1
RT 5429N	MorSoy	49.2	—	—	9/8	19	1
USG 75J30R	USG	49.1	—	—	9/2	20	1
Progeny 5218RR (E)	Progeny	49.1	45.0	40.0	9/8	19	1
ES 5507RR	Eagle Seed	48.6	43.1	—	9/11	20	1
DG5300RR	Delta Grow	48.5	43.5	37.3	9/7	18	1
ES 5519RR	Eagle Seed	48.4	41.7	40.0	9/16	18	1
ES 5656RR	Eagle Seed	48.3	42.7	—	9/11	15	1
AGS 568RR	AgSouth	47.8	44.6	44.4	9/11	22	1
USG 75T18	USG	47.6	—	—	8/24	16	1
S06-4649 (E)	Public	46.2	—	—	9/7	27	1
DKX 1539 (E)	Delta King	45.9	—	—	9/9	45	3
HBK R5226	Hornbeck	45.9	42.8	41.7	9/6	18	1
NK S56-G6 Brand	NK Brand	45.8	—	—	9/13	17	1
557.RC	Schillinger	45.7	41.0	37.7	9/11	14	1
Delta King GP-533	Delta King	45.1	45.0	44.5	9/4	23	1
RC 5007S	Croplan Genetics	44.9	36.4	35.4	9/1	23	1
HBK R5525	Hornbeck	44.5	42.7	45.4	9/9	18	1
DKX 1537 (E)	Delta King	44.2	—	—	8/31	20	1
P5110RY (E)	Progeny	44.1	—	—	8/29	20	1
55R21 TM	REV TM	44.1	—	—	9/7	16	1
DG 33X55	Dyna-Gro	43.9	39.6	40.3	9/8	20	1
ES5190RR2 (E)	Eagle Seed	43.6	—	—	9/8	13	1
DKX 1538 (E)	Delta King	43.3	—	—	8/31	18	1
ES5444RR	Eagle Seed	42.7	—	—	9/1	15	1
ES5355RR	Eagle Seed	42.5	—	—	8/31	18	1
DG 5280RR	Delta Grow	42.1	39.6	38.4	9/8	16	1
ES 5121	Eagle Seed	41.6	39.1	40.8	9/4	47	1
TV52R79	Terral	41.0	37.5	—	9/13	15	1
ES5390RR2 (E)	Eagle Seed	33.9	—	—	8/22	11	1
S06-3053 (E)	Public	28.1	—	—	8/28	26	1
Overall Average		50.6	45.4	43.4			
LSD (.10)		4.2					
Error degrees of freedom		164					
CV (%)		10.0					
R^2 (%)		68.5					

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

Table 44. Roundup Ready Maturity Group V Late Soybeans (Gibb Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5831	Asgrow	61.8	—	—	9/9	17	1
AGS 597	AGS	57.9	55.4	—	9/17	22	1
HBK RY5820	Hornbeck	55.6	—	—	9/8	22	1
NK S57-K3 Brand	NK Brand	55.1	—	—	9/15	23	1
TV59R16	Terral	54.8	53.8	50.0	9/16	20	1
DG 33C59	Dyna-Gro	54.6	52.7	45.5	9/10	23	1
95Y70	Pioneer	52.6	50.0	45.4	9/16	26	1
Progeny 5706RR	Progeny	51.8	46.1	54.7	9/17	25	1
DG 5970RR	Delta Grow	51.5	48.6	46.0	9/16	23	1
57R21 TM	REV TM	51.2	—	—	9/8	29	1
AGS 606RR	AGS	51.1	45.2	44.8	9/17	22	1
Overall Average		54.4	50.2	47.7			
LSD (.10)		6.8					
Error degrees of freedom		20					
CV (%)		8.9					
R^2 (%)		47.1					

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

Location 5. MAFES Black Belt Branch, Brooksville

Location Summary

Soybean plots were planted into a stale seedbed. Heavy rains after planting caused the soil surface to crust over; however, this crust was broken in one trip across the field with a rotary hoe, allowing the plots to emerge to a good stand. Inadequate rainfall during the pod-filling period resulted in yields lower than expected. Yields were well below average due to the lack of soil moisture. Harvest was completed in a timely manner.

Soil type:	**Brooksville Silty Clay**
Soil pH:	**6.1**
Soil fertility:	**P=M, K=M**
Fertilizer added:	**Preplant — 13-13-13 @ 300 lb/A**
Herbicide applications:	**Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 1.5 pt/A, and Roundup Powermax @ 22 oz/A on April 20** **Postemergence — Roundup Ready Powermax @ 22 oz/A, Firstrate @ 0.3 oz/A, and Ultra Blazer @ 8 oz/A on June 9** **Conventional — Select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Ultra Blazer @ 8 oz/A on June 9**
Planting date:	**April 20**
Harvest dates:	**Group IV Conventional & Roundup Ready on September 13; Group V Conventional & Roundup Ready on September 22**
Previous crop:	**Corn**

Rainfall Summary

April	**3.91**
May	**5.3**
June	**2.88**
July	**1.11**
August	**4.73**
Total	**17.93**

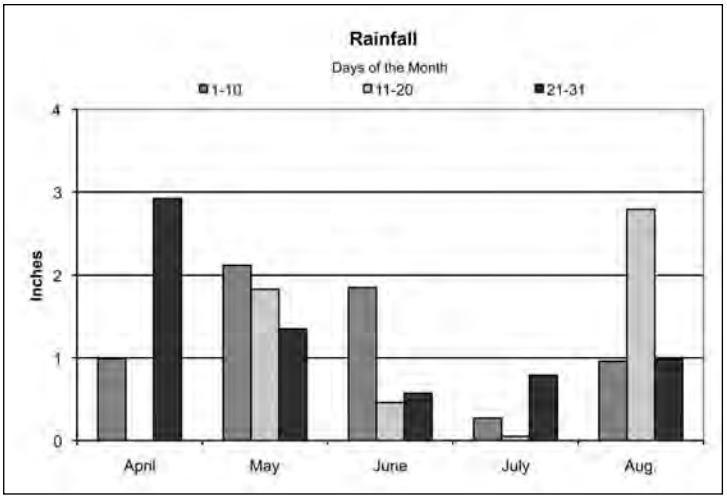


Table 45. Maturity Group IV Conventional Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
SSC-049N	Super Soy	37.0	—	—	9/4	25	1
UA 4805	Public	36.5	36.9	39.5	9/5	23	1
HBK C4929	Hornbeck	35.8	44.1	—	9/5	35	1
e4920	eMerge	32.7	—	—	9/6	26	1
HBK C4926	Hornbeck	31.2	41.5	42	9/4	32	1
LG01-5087-5	Public	29.3	37.4	—	8/28	34	1
MPG-X-410-1 (E)	Super Soy	28.3	—	—	8/31	24	1
Progeny P4910	Progeny	28.0	36.5	—	9/4	31	1
UA 4910	Public	27.8	36.3	—	9/3	24	1
XP4520	eMerge	27.7	—	—	8/25	28	1
ATLANTA 1047RR2Y	Merschman	26.6	31.2	—	8/31	26	1
Y227-1 (E)	Public	26.5	—	—	8/19	27	1
P4928LL	Progeny	26.5	—	—	9/4	32	1
Halo 4:94	US Seeds	25.6	36.8	—	9/1	30	1
HOUSTON 747RR	Merschman	25.1	31.1	—	8/30	20	1
Y227-2 (E)	Public	24.4	—	—	8/24	32	1
MIAMI 949LL	Merschman	24.4	34.2	—	9/1	28	1
SS-09L.49N	Super Soy	22.5	33	—	9/1	30	1
S07-5151 (E)	Public	21.0	—	—	8/9	28	1
S07-5117 (E)	Public	20.6	—	—	8/25	27	1
NASHVILLE 749RR	Merschman	20.3	26.1	—	8/24	25	1
P4960LL (E)	Progeny	19.8	—	—	8/19	26	1
SS-11L.48N	Super Soy	18.7	—	—	8/18	35	1
P4860LL (E)	Progeny	18.6	—	—	8/20	32	1
Halo 4:65	US Seeds	17.9	23.7	—	8/8	29	1
Y163-2 (E)	Public	17.5	—	—	8/9	30	1
ORLANDO 1048LL	Merschman	17.4	22.5	—	8/21	28	1
DG 4861LL	Delta Grow	16.2	—	—	8/23	30	1
S07-5049 (E)	Public	15.6	—	—	8/9	26	1
Overall Mean		24.8	33.7	40.8			
LSD (.10)		4.6					
Error degrees of freedom		56					
CV (%)		13.7					
R^2 (%)		84.4					

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

Table 46. Maturity Group V Conventional Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
S05-11482 (E)	Public	26.3	29.0	—	9/5	20	1
S05-11268 (E)	Public	25.5	30.6	—	9/15	23	1
ES5222 (E)	Eagle Seed	24.9	—	—	9/4	27	1
Osage	Public	24.4	30.3	37.5	9/16	18	1
DB06-2257 (E)	Public	24.1	—	—	9/14	23	1
P5160LL (E)	Progeny	24.0	—	—	9/9	20	1
DB03-8416 (E)	Public	23.9	37.0	42.4	9/15	26	1
OLYMPUS 1051LL	Merschman	23.9	32.3	—	9/8	21	1
Halo 5:65	US Seeds	23.8	33.6	—	9/15	28	1
RUSHMORE 959RR	Merschman	23.6	38.2	—	9/16	22	1
Halo 5:25	US Seeds	23.3	26.4	—	9/16	18	1
CB 5209	Morsoy	23.2	—	—	9/16	23	1
WHITNEY 1154LL	Merschman	23.2	—	—	9/16	24	1
Progeny P5770	Progeny	23.1	30.7	—	9/13	24	1
R04-357 (E)	Public	23.0	29.8	—	9/13	24	1
P5960LL (E)	Progeny	22.2	—	—	9/11	23	1
Ozark	Public	21.8	26.5	35.9	9/11	20	1
DG 5461RR	Delta Grow	21.5	—	—	9/8	24	1
V98-2711	Public	21.5	29.7	—	9/16	17	1
SSC-051N	Super Soy	21.5	—	—	9/12	23	1
e5110	eMerge	21.4	—	—	9/4	23	1
P5460LL (E)	Progeny	21.4	—	—	9/4	29	1

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

Table 46 (cont.). Maturity Group V Conventional Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
SS-10L.51N	Super Soy	21.0	27.0	—	9/13	16	1
DB04-10836 (E)	Public	20.3	36.6	—	9/15	26	1
JTN-5203 (E)	Public	20.1	—	—	9/16	23	1
HBK C5025	Hornbeck	18.6	34.2	38.6	9/14	38	1
HBK C5528	Hornbeck	17.7	34.9	—	9/15	27	1
Jake	Public	16.0	28.3	36.5	9/13	24	1
Overall Mean		22.3	31.5	38.2			
LSD (.10)		4.7					
Error degrees of freedom		54					
CV (%)		15.4					
R^2 (%)		43.1					

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

Table 47. Roundup Ready Maturity Group IV Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
TV46R15	Terral	32.8	37.2	33.1	8/17	26	1
RT 4539	Croplan Genetics	32.0	—	—	8/29	26	1
TV46R19	Terral	31.0	38.8	34.3	8/29	30	1
P4610RY (E)	Progeny	30.2	—	—	9/1	24	1
Progeny 4606RR	Progeny	26.6	37.4	34.5	8/30	23	1
DG 34RY46	Dyna-Gro	26.6	—	—	9/1	26	1
AG4630	Asgrow	26.3	—	—	8/29	21	1
ES 4333RR	Eagle Seed	25.8	32.9	34.6	8/12	25	1
USG 74C69R	USG	25.3	33.7	—	8/24	29	1
DKR 4440 (E)	Delta King	24.8	—	—	8/24	29	1
DG 35X43	Dyna-Gro	24.8	—	—	8/12	25	1
Armor 42-M1	Armor	24.7	37.9	33.2	8/25	24	1
AG4531	Asgrow	24.6	—	—	8/28	22	1
MEMPHIS 943RR	Merschman	24.6	—	—	8/28	25	1
94Y20	Pioneer	24.5	35.8	35.7	8/9	23	1
HBK R4527	Hornbeck	24.1	39.7	38.0	8/28	24	1
P4209RY	Progeny	23.6	—	—	8/28	22	1
457.RCP	Schillinger	23.6	36.0	31.3	8/25	30	1
AG4303	Asgrow	22.7	35.2	34.4	8/16	20	1
EXP943R2	Asgrow	22.5	—	—	8/9	26	1
USG 74T59	USG	22.3	—	—	8/28	25	1
Progeny P3909RR (E)	Progeny	22.0	28.1	—	8/10	25	1
EXP944R2	Asgrow	21.7	—	—	8/12	24	1
AG4605	Asgrow	21.4	32.0	33.6	8/27	20	1
RC 4417	Croplan Genetics	21.3	30.0	30.0	8/19	26	1
DG 4470RR/STS	Delta Grow	21.0	36.6	—	8/15	18	1
EXP941R2	Asgrow	20.1	—	—	8/9	25	1
458.RCS (E)	Schillinger	20.0	29.1	30.2	8/22	26	1
DG 36C44	Dyna-Gro	19.9	33.2	32.3	8/9	23	1
HBK R4729	Hornbeck	19.5	—	—	8/29	22	1
AG4130	Asgrow	19.3	—	—	8/15	21	1
VPM 44X1	VP Maxx	18.7	35.5	—	8/10	25	1
P4510RY (E)	Progeny	18.6	—	—	8/31	25	1
94Y40	Pioneer	18.6	—	—	8/9	23	1
USG 74A69	USG	18.4	40.9	—	8/29	24	1
45R10TM	REVTM	18.3	35.9	—	8/10	30	1
EXP946R2	Asgrow	18.0	—	—	8/13	22	1
S07-15722 (E)	Public	17.4	—	—	8/28	28	1
AV 45x5RR	AgVenture	16.4	27.5	—	8/24	25	1
P3910RY (E)	Progeny	15.7	—	—	8/8	28	1
44R22 TM	REV TM	15.6	—	—	8/29	21	1

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

Table 47 (cont.). Roundup Ready Maturity Group IV Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
93Y92	Pioneer	14.8	—	—	8/9	23	1
NK S44-D5 Brand	NK Brand	13.5	29.5	31.2	8/16	22	1
Progeny 4206RR	Progeny	13.1	27.6	29.5	8/19	23	1
Overall Mean		22.0					
LSD (.10)		2.5					
Error degrees of freedom		86					
CV (%)		15.9					
R^2 (%)		72.8					

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

Table 48. Roundup Ready Maturity Group IV Late Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4906RR	Progeny	35.5	39.7	41.6	9/8	25	1
Progeny 4908RR (E)	Progeny	32.4	45.4	45.9	9/9	25	1
94Y80	Pioneer	32.3	39.2	—	8/31	25	1
DG4975LARR	Delta Grow	30.0	38.8	39.5	9/2	26	1
S06-3095 (E)	Public	29.9	—	—	9/1	27	1
USG 74A91	USG	29.4	37.1	40.2	8/29	19	1
49R22 TM	REV TM	29.3	—	—	9/9	30	1
MorSoy RTs4824	MorSoy	28.7	35.3	—	9/1	23	1
ES4988RR	Eagle Seed	28.5	—	—	9/8	30	1
ES 4777	Eagle Seed	28.1	32.6	36.0	9/7	26	1
HBK R4924	Hornbeck	28.0	36.7	—	9/3	24	1
Progeny 4949RR	Progeny	28.0	36.4	36.2	9/10	27	1
R2S 480 (E)	MorSoy	27.9	—	—	9/2	22	1
DG 37P49	Dyna-Gro	27.7	36.8	38.6	9/7	22	1
R2S 481 (E	MorSoy	27.3	—	—	9/2	21	1
94Y92	Pioneer	27.3	—	—	8/30	22	1
TV49R17	Terral	27.2	34.6	33.7	9/1	34	1
R2 496 (E)	MorSoy	26.6	—	—	9/6	22	1
DKR 4744s	Delta King	26.5	—	—	9/6	24	1
AV48A8RR	AgVenture	26.4	—	—	8/22	32	1
RC 4757	Croplan Genetics	26.3	29.2	32.5	8/31	23	1
P4920RY (E)	Progeny	26.0	—	—	9/5	25	1
NK S47-R3 Brand	NK Brand	26.0	—	—	9/1	21	1
AG4831	Asgrow	25.9	—	—	9/5	25	1
Armor 47-G10	Armor	25.8	32.7	—	9/6	28	1
AG4404	Asgrow	25.7	—	—	9/6	24	1
DKX 1491 (E)	Delta King	25.7	—	—	9/7	26	1
TV49R19	Terral	25.5	32.1	32.2	9/5	30	1
ARX 1481 (E)	Armor	25.4	—	—	8/30	22	1
DG 4880RR	Delta Grow	25.2	—	—	8/29	23	1
AG4730	Asgrow	25.2	—	—	8/31	24	1
DKX 1492 (E)	Delta King	25.1	—	—	9/8	24	1
P4710RY (E)	Progeny	25.0	—	—	9/11	20	1
P4750RR	Progeny	24.9	—	—	9/11	20	1
49R10TM	REVTM	24.8	34.9	—	8/30	26	1
94Y90	Pioneer	24.7	30.6	33.2	9/1	23	1
HBK R4829	Hornbeck	24.7	29.7	38.6	9/1	23	1
ES 4818	Eagle Seed	24.6	34.1	35.8	9/7	31	1
ES4998RR	Eagle Seed	24.3	—	—	8/29	26	1
4990.RC	Schillinger	24.2	30.1	—	9/6	26	1
Armor 47-R33	Armor	24.0	27.8	—	8/31	25	1
R2S 4800	MorSoy	24.0	—	—	9/1	25	1
P4810RY (E)	Progeny	23.9	—	—	8/30	22	1
MorSoy RT4955N (E)	MorSoy	23.8	34.4	35.5	9/5	24	1
S49-H7 Brand	NK Brand	23.7	27.6	—	9/2	23	1
DG 35RY47	Dyna-Gro	23.3	—	—	9/6	25	1
94Y70	Pioneer	23.3	29.4	32.6	8/24	23	1
USG 74G78	USG	23.2	—	—	9/9	23	1

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

Table 48 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DKX 1473 (E)	Delta King	23.2	—	—	9/2	23	1
495.RC	Schillinger	23.1	29.7	31.0	9/3	30	1
ARX 1482 (E)	Armor	23.1	—	—	8/31	24	1
48R21 TM	REV TM	23.0	—	—	9/6	24	1
AG4907	Asgrow	22.8	28.8	31.4	8/30	29	1
48R22 TM	REV TM	22.3	—	—	8/31	24	1
ARX 1477 (E)	Armor	22.1	—	—	9/6	18	1
DG 33G48	Dyna-Gro	21.9	—	—	9/9	26	1
R2 491 (E)	MorSoy	21.9	—	—	9/6	21	1
DG 4970RR	Delta Grow	21.6	28.6	32.1	9/1	24	1
TV47R18	Terral	21.6	29.5	31.3	9/2	26	1
DKX 1474 (E)	Delta King	21.5	—	—	9/2	24	1
ARX 1478 (E)	Armor	21.2	—	—	9/6	21	1
Armor 47-F8	Armor	21.1	29.8	—	9/7	23	1
DK 4968	Delta King	20.9	23.9	27.5	9/5	25	1
49R11TM	REVTM	20.8	29.0	—	8/31	27	1
48R10TM	REVTM	20.2	26.6	—	8/29	23	1
NK S49-A5 Brand	NK Brand	18.9	—	—	8/22	22	1
478.RCS	Schillinger	18.4	22.2	23.6	8/28	22	1
DG4770RR	Delta Grow	18.2	23.0	27.3	8/29	18	1
P4807RR	Progeny	16.5	23.1	27.8	8/24	24	1
47R22 TM	REV TM	15.5	—	—	9/1	23	1
RC 4877	Croplan Genetics	15.1	25.4	28.4	8/24	27	1
ARX 1472 (E)	Armor	13.8	—	—	8/9	24	1
MorSoy RT4707N	MorSoy	12.1	17.3	25.3	8/27	22	1
Overall Mean		24.3	31.2	33.5			
LSD (.10)		2.5					
Error degrees of freedom		144					
CV (%)		12.6					
R^2 (%)		73.4					

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

Table 49. Roundup Ready Maturity Group V Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
P5610RY (E)	Progeny	30.1	—	—	9/11	24	1
TV54R28	Terral	29.1	33.3	39.3	9/12	22	1
56R21 TM	REV TM	28.8	—	—	9/10	22	1
P5330RR	Progeny	28.5	—	—	9/11	24	1
P5210RY (E)	Progeny	27.7	—	—	9/9	21	1
DG 5555RR	Delta Grow	27.6	38.7	44.9	9/11	23	1
RC 5419	Croplan Genetics	26.8	38.2	—	9/10	23	1
TV55R20	Terral	26.6	35.3	—	9/10	21	1
ES 5656RR	Eagle Seed	26.2	31.5	—	9/15	23	1
Delta King GP-500	Delta King	26.2	29.9	36.2	9/1	20	1
TV55R15	Terral	26.1	38.2	43.3	9/10	25	1
S06-4649 (E)	Public	26.1	—	—	9/10	23	1
AG5431	Asgrow	26.0	—	—	9/4	30	1
ES5444RR	Eagle Seed	25.8	—	—	9/11	23	1
AGS 568RR	AgSouth	25.6	31.7	36.9	9/15	21	1
MorSoy RT5688N (E)	MorSoy	25.2	35.3	43.6	9/10	18	1
95Y31	Pioneer	24.6	—	—	9/9	25	1
55R21 TM	REV TM	24.0	—	—	9/15	21	1
95Y40	Pioneer	23.9	30.8	36.1	9/11	21	1
DG 35F55	Dyna-Gro	23.8	36.9	45.0	9/11	23	1
RT 5429N	MorSoy	23.7	—	—	9/1	20	1
DG 35P53	Dyna-Gro	23.7	—	—	9/12	22	1
ES 5507RR	Eagle Seed	23.7	29.5	—	9/13	27	1
USG 75J30R	USG	23.0	—	—	9/10	21	1
Delta King GP-533	Delta King	22.5	33.6	41.3	9/13	19	1
AV 51X5RR	AgVenture	22.4	27.8	30.9	9/9	24	1

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

Table 49 (cont.). Roundup Ready Maturity Group V Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5650RR	Progeny	22.2	34.6	41.4	9/12	27	1
ES5355RR	Eagle Seed	22.0	—	—	9/11	23	1
Progeny 5622RR	Progeny	21.8	30.0	34.4	9/11	22	1
P5110RY (E)	Progeny	21.7	—	—	9/10	17	1
R2 521 (E)	MorSoy	21.5	—	—	9/8	18	1
DG 33B52	Dyna-Gro	21.2	28.2	34.3	9/10	21	1
P5310RY (E)	Progeny	21.1	—	—	9/11	31	1
DKX 1538 (E)	Delta King	21.1	—	—	9/8	21	1
DG 5275RR2	Delta Grow	20.9	—	—	9/6	21	1
S06-3053 (E)	Public	20.8	—	—	9/9	23	1
DK 5363	Delta King	20.6	31.0	—	9/15	18	1
ARX 1535 (E)	Armor	20.6	—	—	9/9	19	1
DG 37RY52	Dyna-Gro	20.5	—	—	9/9	21	1
R2 520 (E)	MorSoy	20.2	—	—	9/8	21	1
95Y30	Pioneer	19.9	28.2	—	9/10	24	1
RC 5007S	Croplan Genetics	19.9	25.6	33.3	9/10	21	1
54R10TM	REVTM	19.9	31.0	—	9/10	25	1
ARX 1552 (E)	Armor	19.8	—	—	9/9	30	1
DG 33X55	Dyna-Gro	19.2	30.4	37.9	9/12	18	1
DKX 1533 (E)	Delta King	19.2	—	—	9/10	22	1
ARX 1551 (E)	Armor	19.1	—	—	9/10	31	1
95Y01	Pioneer	18.9	—	—	9/8	21	1
R2 540 (E)	MorSoy	18.8	—	—	9/7	28	1
HBK RY5220	Hornbeck	18.7	—	—	9/10	21	1
TV52R79	Terral	18.6	22.3		9/12	20	1
DKX 1539 (E)	Delta King	18.6	—	—	9/11	23	1
NK S56-G6 Brand	NK Brand	18.4	—	—	9/20	13	1
HBK R5226	Hornbeck	18.3	32.2	37.1	9/18	14	1
USG 75J10R	USG	18.3	—	—	9/11	22	1
DKX 1537 (E)	Delta King	18.2	—	—	9/8	19	1
DKX 1534 (E)	Delta King	18.2	—	—	9/10	20	1
HBK R5525	Hornbeck	18.0	25.1	34.4	9/15	20	1
MorSoy RT5168N (E)	MorSoy	17.8	24.3	33.1	9/10	25	1
DG5300RR	Delta Grow	17.7	22.8	31.1	9/12	21	1
HBK R5529	Hornbeck	17.3	—	—	9/15	21	1
AG5531	Asgrow	17.3	—	—	9/7	17	1
USG 75T18	USG	17.0	—	—	9/9	21	1
AV 50X6RR	AgVenture	16.9	27.1	30.9	9/8	23	1
MorSoy RT5388N (E)	MorSoy	16.8	23.2	31.2	9/8	18	1
HBK RY5520	Hornbeck	16.7	—	—	9/9	25	1
54R21 TM	REV TM	16.3	—	—	9/11	20	1
NK S51-T8 Brand	NK Brand	16.2	—	—	9/6	24	1
Progeny 5115RR	Progeny	15.6	27.5	32.2	9/13	24	1
AARX 1531 (E)	Amor	15.2	—	—	9/12	18	1
Progeny 5218RR (E)	Progeny	15.1	23.6	33.2	9/15	17	1
AGS 554RR	AGS	14.9	29.8	—	9/19	26	1
Armor 53-Z5	Armor	14.8	19.1	—	9/12	17	1
ES 5121	Eagle Seed	14.6	29.9	37.1	9/9	31	1
DKX 1540 (E)	Delta King	14.2	—	—	9/12	28	1
557.RC	Schillinger	14.2	20.6	27.0	9/11	17	1
AG5331	Asgrow	14.1	—	—	9/6	16	1
ES5390RR2 (E)	Eagle Seed	13.7	—	—	9/7	13	1
ES 5519RR	Eagle Seed	13.6	24.8	31.1	9/15	26	1
ES5190RR2 (E)	Eagle Seed	13.5	—	—	9/9	15	1
DG 5280RR	Delta Grow	13.4	20.6	28.6	9/15	17	1
AV 54X4RR	AgVenture	11.3	29.9	36.6	9/15	26	1
DG 32A53	Dyna-Gro	5.0	18.6	29.0	9/17	16	1
Overall Average		20.2					
LSD (.10)		4.6					
Error degrees of freedom		164					
CV (%)		16.8					
R^2 (%)		75.1					

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

Table 50. Roundup Ready Maturity Group V Late Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AGS 597	AGS	33.0	36.7	—	9/14	20	1
TV59R16	Terral	29.5	37.2	42.9	9/14	18	1
Progeny 5706RR	Progeny	27.5	39.7	43.5	9/16	23	1
HBK RY5820	Hornbeck	27.2	—	—	9/1	23	1
95Y70	Pioneer	25.5	42.4	47.3	9/15	26	1
DG 33C59	Dyna-Gro	25.1	34.0	41.3	9/13	21	1
DG 5970RR	Delta Grow	23.0	33.9	41.7	9/4	22	1
57R21 TM	REV TM	22.1	—	—	9/12	23	1
NK S57-K3 Brand	NK Brand	20.9	—	—	9/18	21	1
AG5831	Asgrow	20.9	—	—	9/13	16	1
AGS 606RR	AGS	20.3	32.5	38.0	9/14	19	1
Overall Average		25.0					
LSD (.10)		3.4					
Error degrees of freedom		20					
CV (%)		9.7					
R^2 (%)		84.3					

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

Location 6. Morton Farms, Falkner

Location Summary

Soybean plots were planted into a well-prepared seedbed. Moisture was optimum for germination, and all plots quickly emerged to a good stand. The crop benefited from several timely rains at crucial points during the growing season resulting in very good yields. Harvest was completed in a timely manner without any problems.

Soil type:	**Falaya Sandy Loam**
Soil pH:	**6.7**
Soil fertility:	**P=H, K=H**
Fertilizer added:	**Preplant P_2O_5 @ 30 lb/A and K_2O @ 80 lb/A**
Herbicide application:	**Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 24 oz/A, Roundup Powermax @ 22 oz/A, and Python @ 1.25 oz/A on May 13** **Postemergence — Conventional – Select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Classic @ 0.5 oz/A; Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A on June 14**
Insecticide application:	**Karate @ 1.6 oz/A**
Planting date:	**May 13**
Harvest date:	**Group IV Conventional and IV Roundup Ready on September 22; Group V Conventional and V Roundup Ready on October 4**
Previous crop:	**Soybeans**

Rainfall Summary

April	**4.03**
May	**11.43**
June	**1.15**
July	**6.49**
August	**2.51**
September	**0.72**
October	**1.83**
Total	**28.16**

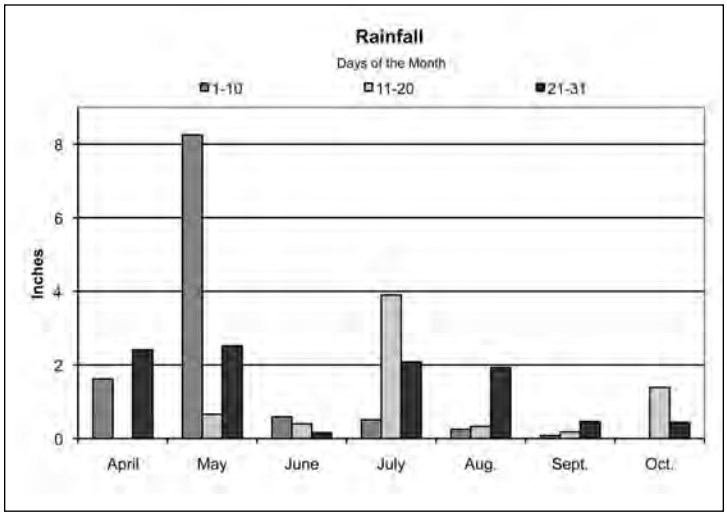


Table 51. Maturity Group IV Conventional Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HOUSTON 747RR	Merschman	79.5	69.9	—	—	38	1
S07-5117 (E)	Public	79.5	—	—	—	44	1
Halo 4:94	US Seeds	78.3	74.3	—	—	42	1
Halo 4:65	US Seeds	77.7	71.8	—	—	39	1
NASHVILLE 749RR	Merschman	77.2	66.1	—	—	38	1
e4920	eMerge	76.8	—	—	—	36	1
HBK C4929	Hornbeck	75.8	75.0	—	—	44	1
Progeny P4910	Progeny	75.1	68.8	—	—	42	1
S07-5151 (E)	Public	74.9	—	—	—	40	1
SSC-049N	Super Soy	74.4	—	—	—	29	1
P4960LL (E)	Progeny	74.2	—	—	—	40	1
ATLANTA 1047RR2Y	Merschman	73.6	66.9	—	—	38	1
MPG-X-410-1 (E)	Super Soy	73.5	—	—	—	40	1
SS-09L.49N	Super Soy	73.3	70.3	—	—	44	1
MIAMI 949LL	Merschman	72.3	72.3	—	—	38	1
HBK C4926	Hornbeck	71.3	74.7	—	—	44	3
SS-11L.48N	Super Soy	70.6	—	—	—	47	1
P4928LL	Progeny	70.5	—	—	—	40	1
S07-5049 (E)	Public	69.5	—	—	—	42	1
P4860LL (E)	Progeny	67.0	—	—	—	42	1
DG 4861LL	Delta Grow	65.5	—	—	—	38	1
LG01-5087-5	Public	64.0	51.2	—	—	45	2
UA 4910	Public	63.6	63.6	—	—	40	1
Y227-1 (E)	Public	63.3	—	—	—	42	2
UA 4805	Public	63.0	62.5	—	—	30	1
XP4520	eMerge	62.4	—	—	—	41	1
ORLANDO 1048LL	Merschman	60.2	55.9	—	—	38	1
Y227-2 (E)	Public	55.5	—	—	—	42	2
Y163-2 (E)	Public	52.9	—	—	—	48	1
Overall Mean		70.2	67.4	—			
LSD (.10)		7.5					
Error degrees of freedom		56					
CV (%)		7.8					
R^2 (%)		72.1					

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

Table 52. Maturity Group V Conventional Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
RUSHMORE 959RR	Merschman	85.8	77.9	—	—	42	1
SSC-051N	Super Soy	83.6	—	—	—	35	1
HBK C5528	Hornbeck	81.4	79.9	—	—	31	1
R04-357 (E)	Public	80.5	79.7	—	—	29	1
Progeny P5770	Progeny	79.6	76.8	—	—	36	1
S05-11482 (E)	Public	78.4	76.2	—	—	27	1
Ozark	Public	78.4	84.1	—	—	22	1
Osage	Public	77.1	83.8	—	—	28	1
V98-2711	Public	76.3	82.8	—	—	30	1
S05-11268 (E)	Public	76.1	72.7	—	—	24	1
CB 5209	Morsoy	75.8	—	—	—	36	1
DB04-10836 (E)	Public	75.7	78.3	—	—	35	1
Jake	Public	74.8	79.1	—	—	25	1
HBK C5025	Hornbeck	73.3	81.2	—	—	34	1
P5460LL (E)	Progeny	72.1	—	—	—	38	1
DB06-2257 (E)	Public	72.0	—	—	—	35	1
OLYMPUS 1051LL	Merschman	71.7	83.3	—	—	36	1
SS-10L.51N	Super Soy	71.3	78.8	—	—	28	1

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

Table 52 (cont.). Maturity Group V Conventional Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Halo 5:65	US Seeds	70.9	77.8	—	—	28	1
e5110	eMerge	70.8	—	—	—	46	2
Halo 5:25	US Seeds	69.8	79.7	—	—	26	1
P5160LL (E)	Progeny	68.2	—	—	—	28	1
ES5222 (E)	Eagle Seed	68.1	—	—	—	36	1
WHITNEY 1154LL	Merschman	67.1	—	—	—	35	1
DG 5461RR	Delta Grow	64.7	—	—	—	38	1
DB03-8416 (E)	Public	64.4	68.5	—	—	33	2
JTN-5203 (E)	Public	63.8	—	—	—	35	1
P5960LL (E)	Progeny	62.5	—	—	—	34	1
Overall Mean		73.4	78.9	—			
LSD (.10)		7.2					
Error degrees of freedom		54					
CV (%)		7.2					
R^2 (%)		67.1					

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

Table 53. Roundup Ready Maturity Group IV Early Soybeans (Morton Farms, Falkner)[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4605	Asgrow	80.0	70.8	—	—	37	1
94Y40	Pioneer	77.3	—	—	—	35	1
DG 36C44	Dyna-Gro	77.1	73.2	—	—	36	1
DG 4470RR/STS	Delta Grow	75.2	67.6	—	—	32	1
MEMPHIS 943RR	Merschman	74.7	—	—	—	42	1
458.RCS (E)	Schillinger	74.0	73.6	—	—	38	1
DKR 4440 (E)	Delta King	73.6	—	—	—	42	1
P4610RY (E)	Progeny	73.3	—	—	—	39	1
DG 34RY46	Dyna-Gro	72.9	—	—	—	37	1
Progeny 4606RR	Progeny	72.8	79.1	—	—	39	1
Progeny P3909RR (E)	Progeny	72.6	71.5	—	—	39	1
EXP946R2	Asgrow	72.4	—	—	—	38	1
USG 74A69	USG	72.3	71.1	—	—	38	1
USG 74T59	USG	72.1	—	—	—	38	1
44R22 TM	REV TM	70.9	—	—	—	38	1
93Y92	Pioneer	70.8	—	—	—	38	1
Progeny 4206RR	Progeny	70.6	68.4	—	—	38	1
VPM 44X1	VP Maxx	70.4	71.8	—	—	40	1
EXP944R2	Asgrow	69.9	—	—	—	37	1
ES 4333RR	Eagle Seed	69.4	66.0	—	—	40	1
AV 45x5RR	AgVenture	69.1	70.1	—	—	42	1
P4510RY (E)	Progeny	69.1	—	—	—	38	1
EXP941R2	Asgrow	69.0	—	—	—	46	1
94Y20	Pioneer	68.9	65.7	—	—	39	1
P4209RY	Progeny	68.7	—	—	—	37	1
45R10TM	REVTM	68.6	66.1	—	—	46	1
EXP943R2	Asgrow	68.4	—	—	—	45	2
Armor 42-M1	Armor	67.9	74.7	—	—	35	1
NK S44-D5 Brand	NK Brand	66.9	73.5	—	—	34	1
AG4130	Asgrow	66.4	—	—	—	35	1
457.RCP	Schillinger	66.3	65.2	—	—	41	1
S07-15722 (E)	Public	65.9	—	—	—	42	1
AG4303	Asgrow	65.6	70.1	—	—	30	1
USG 74C69R	USG	64.8	67.8	—	—	45	2
AG4531	Asgrow	64.7	—	—	—	36	1
TV46R19	Terral	64.7	65.5	—	—	45	1
HBK R4729	Hornbeck	64.4	—	—	—	34	1

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

Table 53 (cont.). Roundup Ready Maturity Group IV Early Soybeans (Morton Farms, Falkner)[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4527	Hornbeck	64.2	64.6	—	—	42	1
P3910RY (E)	Progeny	64.0	—	—	—	44	1
AG4630	Asgrow	63.9	—	—	—	37	1
DG 35X43	Dyna-Gro	62.8	—	—	—	37	1
RC 4417	Croplan Genetics	61.6	62.7	—	—	42	1
TV46R15	Terral	59.7	62.7	—	—	46	1
RT 4539	Croplan Genetics	59.0	—	—	—	46	1
Overall Mean		69.0	69.2	—			
LSD (.10)		6.5					
Error degrees of freedom		86					
CV (%)		7.0					
R^2 (%)		59.0					

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

Table 54. Roundup Ready Maturity Group IV Late Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 74G78	USG	78.2	—	—	—	49	1
RC 4757	Croplan Genetics	76.1	79.3	—	—	35	1
94Y70	Pioneer	75.1	78.6	—	—	39	1
DG 4970RR	Delta Grow	73.1	79.7	—	—	39	1
ES4998RR	Eagle Seed	72.9	—	—	—	40	1
ARX 1482 (E)	Armor	72.6	—	—	—	44	1
Armor 47-F8	Armor	72.5	77.7	—	—	38	1
DG 4880RR	Delta Grow	72.3	—	—	—	35	1
94Y92	Pioneer	72.3	—	—	—	38	1
HBK R4829	Hornbeck	71.8	—	—	—	37	1
Progeny 4908RR (E)	Progeny	71.7	81.3	—	—	46	1
ES 4777	Eagle Seed	71.4	76.2	—	—	41	1
AV48A8RR	AgVenture	71.4	—	—	—	39	1
AG4907	Asgrow	71.4	78.5	—	—	42	1
48R22 TM	REV TM	71.4	—	—	—	36	1
P4920RY (E)	Progeny	71.3	—	—	—	37	1
47R22 TM	REV TM	70.0	—	—	—	38	2
DKX 1491 (E)	Delta King	69.7	—	—	—	42	1
DG 33G48	Dyna-Gro	69.7	—	—	—	47	1
94Y90	Pioneer	69.7	81.8	—	—	43	1
478.RCS	Schillinger	69.7	80.7	—	—	34	1
ES 4818	Eagle Seed	69.6	74.1	—	—	49	1
Progeny 4906RR	Progeny	69.5	81.2	—	—	46	1
TV49R17	Terral	69.4	77.2	—	—	48	1
48R10TM	REVTM	69.2	72.0	—	—	46	1
MorSoy RTs4824	MorSoy	69.2	80.2	—	—	39	1
MorSoy RT4955N (E)	MorSoy	69.1	75.6	—	—	39	1
NK S47-R3 Brand	NK Brand	69.1	—	—	—	35	1
HBK R4924	Hornbeck	68.8	67.5	—	—	42	1
Armor 47-G10	Armor	68.7	77.8	—	—	45	1
AG4831	Asgrow	68.7	—	—	—	37	1
495.RC	Schillinger	68.6	76.5	—	—	42	1
4990.RC	Schillinger	68.4	79.0	—	—	42	1
ARX 1481 (E)	Armor	68.0	—	—	—	41	1
S06-3095 (E)	Public	68.0	—	—	—	34	1
RC 4877	Croplan Genetics	67.9	74.6	—	—	47	1
49R22 TM	REV TM	67.7	—	—	—	39	2
R2S 480 (E)	MorSoy	67.6	—	—	—	38	1
P4750RR	Progeny	67.6	75.4	—	—	45	1

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

Table 54 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y80	Pioneer	67.5	78.6	—	—	32	3
ARX 1472 (E)	Armor	67.1	—	—	—	38	1
DG4770RR	Delta Grow	66.6	72.1	—	—	36	1
DKX 1492 (E)	Delta King	66.5	—	—	—	41	1
TV47R18	Terral	66.5	73.6	—	—	42	1
R2S 4800	MorSoy	65.9	—	—	—	38	1
DG 37P49	Dyna-Gro	65.4	71.6	—	—	42	2
AG4404	Asgrow	65.1	—	—	—	36	1
DG 35RY47	Dyna-Gro	64.9	—	—	—	42	1
R2S 481 (E	MorSoy	64.8	—	—	—	39	1
49R11TM	REVTM	64.8	65.5	—	—	42	1
TV49R19	Terral	64.5	71.5	—	—	40	1
S49-H7 Brand	NK Brand	64.4	76.2	—	—	38	1
Progeny 4949RR	Progeny	64.1	75.4	—	—	45	2
DKR 4744s	Delta King	63.1	—	—	—	40	1
DG4975LARR	Delta Grow	62.6	74.1	—	—	42	1
NK S49-A5 Brand	NK Brand	62.5	—	—	—	38	1
DK 4968	Delta King	62.2	72.3	—	—	42	2
48R21 TM	REV TM	61.9	—	—	—	43	1
Armor 47-R33	Armor	61.7	72.8	—	—	42	2
USG 74A91	USG	61.2	69.6	—	—	38	1
AG4730	Asgrow	61.2	—	—	—	38	1
49R10TM	REVTM	61.1	71.4	—	—	36	1
R2 496 (E)	MorSoy	61.0	—	—	—	32	1
ES4988RR	Eagle Seed	60.6	—	—	—	42	1
MorSoy RT4707N	MorSoy	60.5	64.8	—	—	34	1
DKX 1474 (E)	Delta King	60.4	—	—	—	45	1
ARX 1478 (E)	Armor	59.5	—	—	—	43	1
DKX 1473 (E)	Delta King	59.4	—	—	—	47	1
P4807RR	Progeny	58.7	—	—	—	42	1
R2 491 (E)	MorSoy	58.0	—	—	—	22	1
ARX 1477 (E)	Armor	57.7	—	—	—	39	1
P4810RY (E)	Progeny	55.4	—	—	—	40	1
P4710RY (E)	Progeny	55.2	—	—	—	42	1
Overall Mean		66.7	75.4	—			
LSD (.10)		6.9					
Error degrees of freedom		144					
CV (%)		7.6					
R^2 (%)		59.2					

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

Table 55. Roundup Ready Maturity Group V Early Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
55R21 TM	REV TM	78.2	—	—	—	38	1
P5610RY (E)	Progeny	78.1	—	—	—	37	1
ES 5656RR	Eagle Seed	78.0	79.2	—	—	39	1
DG 33X55	Dyna-Gro	76.6	77.3	—	—	36	2
TV52R79	Terral	76.4	81.9	—	—	32	1
DG 35F55	Dyna-Gro	75.8	80.0	—	—	38	1
AGS 568RR	AgSouth	75.7	75.3	—	—	36	1
RT 5429N	MorSoy	75.4	—	—	—	40	1
HBK R5525	Hornbeck	74.8	73.4	—	—	37	1
Armor 53-Z5	Armor	74.5	78.3	—	—	40	1
DKX 1533 (E)	Delta King	74.4	—	—	—	34	1
HBK RY5220	Hornbeck	74.2	—	—	—	43	1
Progeny 5650RR	Progeny	73.9	72.7	—	—	43	1
DK 5363	Delta King	73.1	71.2	—	—	42	1
95Y40	Pioneer	73.0	72.4	—	—	34	1
DG 35P53	Dyna-Gro	72.4	—	—	—	29	2
DG 5275RR2	Delta Grow	72.3	—	—	—	34	1
Progeny 5622RR	Progeny	72.2	78.0	—	—	38	1
AV 51X5RR	AgVenture	71.9	79.2	—	—	43	1
DKX 1534 (E)	Delta King	71.2	—	—	—	38	1
54R21 TM	REV TM	71.2	—	—	—	33	1
95Y01	Pioneer	71.1	—	—	—	42	1
AGS 554RR	AGS	71.0	75.5	—	—	39	1
557.RC	Schillinger	70.8	82.2	—	—	38	1
ES 5507RR	Eagle Seed	70.5	76.1	—	—	42	1
HBK R5529	Hornbeck	70.5	—	—	—	30	1
RC 5419	Croplan Genetics	70.5	74.9	—	—	38	1
DG 5555RR	Delta Grow	70.1	76.5	—	—	38	1
MorSoy RT5388N (E)	MorSoy	70.0	75.3	—	—	34	1
TV55R20	Terral	69.9	81.4	—	—	38	1
NK S56-G6 Brand	NK Brand	69.0	—	—	—	36	1
RC 5007S	Croplan Genetics	68.7	79.7	—	—	38	1
AV 54X4RR	AgVenture	68.7	74.1	—	—	54	1
ES5355RR	Eagle Seed	68.4	—	—	—	28	1
56R21 TM	REV TM	68.1	—	—	—	34	1
DG 33B52	Dyna-Gro	67.8	76.0	—	—	33	1
95Y30	Pioneer	67.8	69.6	—	—	33	1
AARX 1531 (E)	Amor	67.5	—	—	—	35	1
TV55R15	Terral	67.4	33.7	—	—	42	1
Progeny 5115RR	Progeny	67.1	74.2	—	—	46	1
DG 37RY52	Dyna-Gro	67.1	—	—	—	39	1
DG 5280RR	Delta Grow	67.0	69.4	—	—	28	1
95Y31	Pioneer	66.7	—	—	—	44	1
P5330RR	Progeny	66.4	—	—	—	44	1
P5210RY (E)	Progeny	66.2	—	—	—	36	1
Delta King GP-533	Delta King	65.8	73.9	—	—	37	1
ES 5519RR	Eagle Seed	65.7	68.2	—	—	33	1
S06-4649 (E)	Public	65.6	—	—	—	45	1
ES5444RR	Eagle Seed	65.3	—	—	—	35	1
DG 32A53	Dyna-Gro	65.0	68.0	—	—	36	1
ARX 1535 (E)	Armor	64.8	—	—	—	36	1
Progeny 5218RR (E)	Progeny	63.8	66.6	—	—	36	1
TV54R28	Terral	63.6	69.5	—	—	38	1
P5110RY (E)	Progeny	63.5	—	—	—	31	1
S06-3053 (E)	Public	63.5	—	—	—	42	1
54R10TM	REVTM	63.1	69.1	—	—	38	1
USG 75T18	USG	62.2	—	—	—	32	1
Delta King GP-500	Delta King	61.9	68.4	—	—	36	1
DG5300RR	Delta Grow	61.2	75.2	—	—	40	1
MorSoy RT5688N (E)	MorSoy	61.1	69.3	—	—	30	1
HBK R5226	Hornbeck	61.0	71.5	—	—	28	1
R2 521 (E)	MorSoy	60.5	—	—	—	37	1
AG5331	Asgrow	60.1	—	—	—	31	1
NK S51-T8 Brand	NK Brand	59.7	—	—	—	44	1
AG5531	Asgrow	59.5	—	—	—	30	1
MorSoy RT5168N (E)	MorSoy	59.0	68.5	—	—	39	1

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

Table 55 (cont.). Roundup Ready Maturity Group V Early Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK RY5520	Hornbeck	58.5	—	—	—	45	1
USG 75J30R	USG	57.5	—	—	—	37	1
AG5431	Asgrow	57.3	—	—	—	49	2
DKX 1537 (E)	Delta King	57.3	—	—	—	36	1
DKX 1538 (E)	Delta King	56.8	—	—	—	36	1
ES5190RR2 (E)	Eagle Seed	56.8	—	—	—	29	1
ES 5121	Eagle Seed	56.7	67.0	—	—	50	2
ARX 1552 (E)	Armor	56.7	—	—	—	48	2
ARX 1551 (E)	Armor	56.6	—	—	—	47	2
USG 75J10R	USG	56.3	—	—	—	42	1
P5310RY (E)	Progeny	55.3	—	—	—	52	2
R2 540 (E)	MorSoy	54.2	—	—	—	49	1
DKX 1539 (E)	Delta King	51.4	—	—	—	53	2
AV 50X6RR	AgVenture	51.0	61.1	—	—	35	1
DKX 1540 (E)	Delta King	51.0	—	—	—	52	2
R2 520 (E)	MorSoy	50.6	—	—	—	32	1
ES5390RR2 (E)	Eagle Seed	47.3	—	—	—	29	1
Overall Average		65.7	55.2	—			
LSD (.10)		7.5					
Error degrees of freedom		164					
CV (%)		8.4					
R^2 (%)		73.0					

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

Table 56. Roundup Ready Maturity Group V Late Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
NK S57-K3 Brand	NK Brand	76.4	—	—	—	38	1
Progeny 5706RR	Progeny	76.1	38.0	—	—	38	1
TV59R16	Terral	75.7	37.8	—	—	42	1
57R21 TM	REV TM	72.1	—	—	—	35	1
DG 5970RR	Delta Grow	71.1	73.1	—	—	36	1
HBK RY5820	Hornbeck	71.1	—	—	—	36	1
AGS 606RR	AGS	70.8	76.6	—	—	42	1
AG5831	Asgrow	69.5	—	—	—	28	1
DG 33C59	Dyna-Gro	69.4	74.3	—	—	32	1
AGS 597	AGS	61.2	65.1	—	—	39	1
95Y70	Pioneer	58.7	29.3	—	—	35	1
Overall Average		70.0	56.3	—			
LSD (.10)		8.7					
Error degrees of freedom		20					
CV (%)		8.8					
R^2 (%)		56.6					

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

Location 7. Belle Meade Plantation, Warren County

Location Summary

Soybeans were planted into a well-prepared seedbed with adequate moisture for good germination. Flooded conditions before planting maintained good soil moisture for the majority of the growing season. This in combination with a few timely rains allowed for good plant growth, and good yields were observed. The weather conditions were very favorable at the time of harvest.

Soil type: . . . . . **Commerce Silty Clay Loam**

Soil pH: **6.7**

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

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . **Preemergence — Authority MTZ@ 12 oz/A, Dual II Magnum @ 1.5 pt/A, and Roundup Powermax @ 22 oz/A on May 5**
Postemergence — Roundup Powermax @ 22 oz/A on May 24; Roundup Powermax @ 22 oz/A, Firstrate @ 0.3 oz/A, and Dual II Magnum @ 1 pt/A on June 7

Planting date: . . . . . **May 5**

Harvest date: . . . . . **September 22**

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

Rainfall Summary

May	0
June	0
July	2.62
August	3.27
September	0.19
October	1.24
Total	7.32

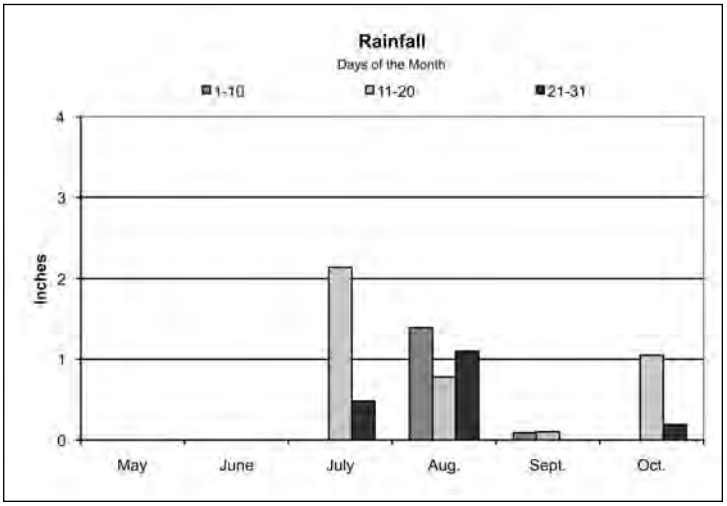


Table 57. Roundup Ready Maturity Group IV Early Soybeans (Belle Meade Plantation, Warren County).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4606RR	Progeny	74.9	—	—	—	38	1
MEMPHIS 943RR	Merschman	73.5	—	—	—	30	1
AG4605	Asgrow	71.2	—	—	—	32	1
458.RCS (E)	Schillinger	71.1	—	—	—	32	1
94Y40	Pioneer	71.0	—	—	—	28	1
EXP946R2	Asgrow	70.9	—	—	—	22	1
DG 34RY46	Dyna-Gro	70.7	—	—	—	33	1
P4510RY (E)	Progeny	70.2	—	—	—	38	1
Armor 42-M1	Armor	67.5	—	—	—	30	1
USG 74A69	USG	66.6	—	—	—	35	1
P4209RY	Progeny	66.4	—	—	—	38	4
AG4531	Asgrow	66.2	—	—	—	33	1
Progeny 4206RR	Progeny	66.2	—	—	—	34	1
P4610RY (E)	Progeny	65.8	—	—	—	38	1
44R22 TM	REV TM	65.3	—	—	—	28	1
DG 36C44	Dyna-Gro	64.2	—	—	—	28	1
AG4303	Asgrow	62.2	—	—	—	26	1
TV46R19	Terral	62.0	—	—	—	35	2
AG4130	Asgrow	61.8	—	—	—	28	1
NK S44-D5 Brand	NK Brand	61.8	—	—	—	32	1
AG4630	Asgrow	61.1	—	—	—	28	1
93Y92	Pioneer	59.7	—	—	—	28	1
HBK R4729	Hornbeck	59.7	—	—	—	34	2
S07-15722 (E)	Public	59.6	—	—	—	34	1
ES 4333RR	Eagle Seed	59.5	—	—	—	32	1
VPM 44X1	VP Maxx	59.0	—	—	—	36	4
EXP941R2	Asgrow	58.9	—	—	—	41	4
457.RCP	Schillinger	58.9	—	—	—	43	4
Progeny P3909RR (E)	Progeny	58.8	—	—	—	24	1
EXP943R2	Asgrow	58.3	—	—	—	36	4
DG 4470RR/STS	Delta Grow	56.6	—	—	—	21	1
DG 35X43	Dyna-Gro	56.1	—	—	—	26	1
HBK R4527	Hornbeck	55.8	—	—	—	31	4
RT 4539	Croplan Genetics	55.3	—	—	—	41	4
USG 74T59	USG	54.3	—	—	—	31	3
45R10TM	REVTM	53.9	—	—	—	35	3
USG 74C69R	USG	53.2	—	—	—	36	4
RC 4417	Croplan Genetics	52.7	—	—	—	31	1
94Y20	Pioneer	52.6	—	—	—	30	2
AV 45x5RR	AgVenture	52.5	—	—	—	36	4
P3910RY (E)	Progeny	52.2	—	—	—	35	3
EXP944R2	Asgrow	52.0	—	—	—	31	1
DKR 4440 (E)	Delta King	51.5	—	—	—	44	2
TV46R15	Terral	48.3	—	—	—	36	4
Overall Mean		61.1	—	—			
LSD (.10)		6.6					
Error degrees of freedom		86					
CV (%)		7.9					
R^2 (%)		77.3					

[1]Commerce silty clay loam. (E)=Experimental.
[2]No 2- or 3-year yields.
[3]No maturity dates taken.

Table 58. Roundup Ready Maturity Group IV Late Soybeans (Belle Meade Planation, Warren County).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
TV49R19	Terral	75.2	—	—	9/12	40	1
49R22 TM	REV TM	72.8	—	—	9/14	28	2
USG 74G78	USG	72.3	—	—	9/12	34	1
DKX 1491 (E)	Delta King	72.0	—	—	9/14	30	1
ES 4777	Eagle Seed	71.7	—	—	9/15	32	1
Progeny 4908RR (E)	Progeny	70.9	—	—	9/14	40	1
Armor 47-F8	Armor	69.9	—	—	9/14	27	1
AG4907	Asgrow	69.8	—	—	9/14	34	1
DKX 1492 (E)	Delta King	69.7	—	—	9/14	31	1
94Y92	Pioneer	69.6	—	—	9/12	34	1
DKR 4744s	Delta King	69.4	—	—	9/12	35	1
MorSoy RT4955N (E)	MorSoy	69.4	—	—	9/15	38	2
TV49R17	Terral	69.3	—	—	9/12	47	1
P4750RR	Progeny	69.1	—	—	9/14	39	1
48R21 TM	REV TM	68.9	—	—	9/10	29	1
Armor 47-R33	Armor	68.8	—	—	9/14	24	1
ARX 1477 (E)	Armor	68.8	—	—	9/12	32	1
R2S 480 (E)	MorSoy	68.5	—	—	9/10	26	1
R2 496 (E)	MorSoy	68.5	—	—	9/15	26	1
AG4404	Asgrow	68.5	—	—	9/14	30	1
AV48A8RR	AgVenture	68.1	—	—	9/12	27	1
R2S 481 (E	MorSoy	68.0	—	—	9/14	33	1
P4920RY (E)	Progeny	68.0	—	—	9/12	27	1
AG4831	Asgrow	67.9	—	—	9/14	32	1
DG 4880RR	Delta Grow	67.6	—	—	9/12	22	1
48R10TM	REVTM	67.5	—	—	9/12	30	1
ARX 1482 (E)	Armor	67.3	—	—	9/12	30	1
4990.RC	Schillinger	67.2	—	—	9/12	29	1
49R10TM	REVTM	66.9	—	—	9/10	31	1
P4710RY (E)	Progeny	66.6	—	—	9/14	39	1
P4810RY (E)	Progeny	66.2	—	—	9/12	28	1
R2S 4800	MorSoy	65.7	—	—	9/12	33	1
94Y90	Pioneer	65.7	—	—	9/10	35	2
HBK R4924	Hornbeck	65.4	—	—	9/14	35	4
DG 33G48	Dyna-Gro	65.3	—	—	9/12	36	2
Armor 47-G10	Armor	64.8	—	—	9/14	41	2
RC 4877	Croplan Genetics	64.6	—	—	9/12	29	1
ES 4818	Eagle Seed	64.5	—	—	9/14	44	4
S49-H7 Brand	NK Brand	64.4	—	—	9/15	36	1
AG4730	Asgrow	64.3	—	—	9/12	28	1
DG 37P49	Dyna-Gro	64.2	—	—	9/14	32	1
TV47R18	Terral	64.2	—	—	9/10	36	3
Progeny 4906RR	Progeny	63.8	—	—	9/14	36	3
495.RC	Schillinger	63.7	—	—	9/14	34	2
ES4998RR	Eagle Seed	63.3	—	—	9/14	37	3
ARX 1481 (E)	Armor	63.3	—	—	9/14	24	1
94Y70	Pioneer	63.1	—	—	9/10	30	3
ARX 1478 (E)	Armor	63.0	—	—	9/12	32	1
RC 4757	Croplan Genetics	62.8	—	—	9/14	24	1
DG4770RR	Delta Grow	62.4	—	—	9/12	28	1
MorSoy RT4707N	MorSoy	62.2	—	—	9/14	28	1
NK S49-A5 Brand	NK Brand	62.1	—	—	9/14	33	2
48R22 TM	REV TM	61.9	—	—	9/10	27	1
MorSoy RTs4824	MorSoy	61.8	—	—	9/12	30	1
94Y80	Pioneer	60.6	—	—	9/10	30	4
R2 491 (E)	MorSoy	60.5	—	—	9/16	23	1
HBK R4829	Hornbeck	60.1	—	—	9/12	28	1
DG 35RY47	Dyna-Gro	59.8	—	—	9/10	44	4
478.RCS	Schillinger	59.4	—	—	9/12	28	1
USG 74A91	USG	59.4	—	—	9/14	34	1
DG 4970RR	Delta Grow	58.0	—	—	9/14	26	2
DKX 1474 (E)	Delta King	57.9	—	—	9/12	33	1
ARX 1472 (E)	Armor	57.8	—	—	9/10	24	1
49R11TM	REVTM	57.7	—	—	9/12	44	2
ES4988RR	Eagle Seed	57.3	—	—	9/17	34	2
DG4975LARR	Delta Grow	57.2	—	—	9/15	34	3
S06-3095 (E)	Public	57.0	—	—	9/15	26	1

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

Table 58 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Belle Meade Planation, Warren County).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
47R22 TM	REV TM	56.6	—	—	9/12	25	1
P4807RR	Progeny	56.2	—	—	9/14	40	1
DKX 1473 (E)	Delta King	56.0	—	—	9/12	29	1
Progeny 4949RR	Progeny	52.9	—	—	9/12	38	1
DK 4968	Delta King	52.3	—	—	9/12	32	2
NK S47-R3 Brand	NK Brand	47.9	—	—	9/14	30	4
Overall Mean		64.3	—	—			
LSD (.10)		8.1					
Error degrees of freedom		144					
CV (%)		9.3					
R^2 (%)		60.4					

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

Table 59. Maturity Group V Early Soybeans (Belle Meade Plantation, Warren County).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
95Y40	Pioneer	89.0	—	—	9/16	23	1
ES 5656RR	Eagle Seed	81.4	—	—	9/16	29	1
ES 5507RR	Eagle Seed	81.2	—	—	9/19	30	1
AGS 554RR	AGS	79.9	—	—	9/16	26	1
Delta King GP-533	Delta King	79.5	—	—	9/18	31	1
55R21 TM	REV TM	78.1	—	—	9/16	26	1
P5330RR	Progeny	77.4	—	—	9/16	50	2
ARX 1535 (E)	Armor	77.4	—	—	9/14	30	1
TV55R15	Terral	77.3	—	—	9/16	27	1
P5210RY (E)	Progeny	77.2	—	—	9/14	26	1
DG5300RR	Delta Grow	77.1	—	—	9/15	26	1
DG 33X55	Dyna-Gro	76.1	—	—	9/17	32	1
DG 37RY52	Dyna-Gro	75.6	—	—	9/16	28	1
DKX 1533 (E)	Delta King	75.6	—	—	9/16	30	1
Progeny 5622RR	Progeny	75.6	—	—	9/18	34	1
DK 5363	Delta King	75.1	—	—	9/18	34	1
RC 5419	Croplan Genetics	75.0	—	—	9/16	38	1
DG 35F55	Dyna-Gro	74.9	—	—	9/16	34	1
95Y30	Pioneer	74.4	—	—	9/20	29	1
56R21 TM	REV TM	74.2	—	—	9/16	32	1
TV54R28	Terral	74.2	—	—	9/16	26	1
AGS 568RR	AgSouth	74.2	—	—	9/22	30	1
P5610RY (E)	Progeny	73.6	—	—	9/17	29	1
AV 54X4RR	AgVenture	73.2	—	—	9/14	23	1
TV55R20	Terral	73.2	—	—	9/14	34	1
DKX 1534 (E)	Delta King	73.1	—	—	9/16	28	1
MorSoy RT5688N (E)	MorSoy	73.0	—	—	9/16	22	1
AV 51X5RR	AgVenture	72.7	—	—	9/12	52	3
USG 75J10R	USG	72.6	—	—	9/10	34	1
Delta King GP-500	Delta King	72.2	—	—	9/14	27	1
DG 5555RR	Delta Grow	72.2	—	—	9/17	28	1
RT 5429N	MorSoy	71.9	—	—	9/16	31	1
95Y31	Pioneer	71.9	—	—	9/12	32	1
Progeny 5650RR	Progeny	71.3	—	—	9/17	40	1
DG 35P53	Dyna-Gro	71.3	—	—	9/20	34	1
S06-3053 (E)	Public	71.3	—	—	9/14	33	1
HBK R5525	Hornbeck	70.8	—	—	9/19	29	1
DG 5275RR2	Delta Grow	70.6	—	—	9/14	25	1
Progeny 5218RR (E)	Progeny	70.5	—	—	9/16	24	1
DG 32A53	Dyna-Gro	70.2	—	—	9/20	31	1
ES5355RR	Eagle Seed	70.1	—	—	9/16	23	1
MorSoy RT5388N (E)	MorSoy	69.9	—	—	9/14	24	1

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

Table 59 (cont.). Maturity Group V Early Soybeans (Belle Meade Plantation, Warren County).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
95Y01	Pioneer	68.0	—	—	9/12	33	1
USG 75J30R	USG	67.9	—	—	9/12	32	1
DKX 1537 (E)	Delta King	67.7	—	—	9/12	29	1
RC 5007S	Croplan Genetics	67.5	—	—	9/16	32	1
R2 520 (E)	MorSoy	67.5	—	—	9/14	23	1
R2 521 (E)	MorSoy	66.9	—	—	9/14	32	1
AG5431	Asgrow	66.7	—	—	9/16	47	2
DG 33B52	Dyna-Gro	66.7	—	—	9/14	28	1
HBK R5529	Hornbeck	66.6	—	—	9/14	17	1
HBK RY5220	Hornbeck	66.5	—	—	9/12	27	1
S06-4649 (E)	Public	66.5	—	—	9/14	34	1
ES 5519RR	Eagle Seed	66.4	—	—	9/19	25	1
TV52R79	Terral	66.4	—	—	9/20	31	1
HBK R5226	Hornbeck	66.0	—	—	9/14	22	1
DKX 1538 (E)	Delta King	65.8	—	—	9/10	27	1
557.RC	Schillinger	65.7	—	—	9/16	20	1
54R21 TM	REV TM	65.6	—	—	9/17	27	1
54R10TM	REVTM	65.1	—	—	9/20	22	2
P5310RY (E)	Progeny	64.3	—	—	9/16	50	2
NK S51-T8 Brand	NK Brand	62.7	—	—	9/23	42	1
AARX 1531 (E)	Amor	62.5	—	—	9/17	18	1
USG 75T18	USG	61.7	—	—	9/10	25	1
Progeny 5115RR	Progeny	61.5	—	—	9/14	48	2
DKX 1539 (E)	Delta King	61.4	—	—	9/12	45	4
DG 5280RR	Delta Grow	60.7	—	—	9/17	24	1
P5110RY (E)	Progeny	60.5	—	—	9/17	28	1
AG5331	Asgrow	60.2	—	—	9/14	24	1
ES5190RR2 (E)	Eagle Seed	60.1	—	—	9/14	23	1
DKX 1540 (E)	Delta King	59.9	—	—	9/12	50	4
AV 50X6RR	AgVenture	59.4	—	—	9/16	50	4
Armor 53-Z5	Armor	58.8	—	—	9/20	23	1
ES5444RR	Eagle Seed	57.9	—	—	9/10	18	1
AG5531	Asgrow	57.5	—	—	9/14	23	1
ES5390RR2 (E)	Eagle Seed	56.8	—	—	9/10	17	1
NK S56-G6 Brand	NK Brand	56.1	—	—	9/20	18	1
MorSoy RT5168N (E)	MorSoy	55.7	—	—	9/14	42	4
ARX 1552 (E)	Armor	53.5	—	—	9/16	45	4
HBK RY5520	Hornbeck	51.9	—	—	9/14	46	4
ARX 1551 (E)	Armor	49.8	—	—	9/16	49	4
R2 540 (E)	MorSoy	48.3	—	—	9/16	46	4
ES 5121	Eagle Seed	45.5	—	—	9/12	50	3
Overall Average		68.2	—	—			
LSD (.10)		8.7					
Error degrees of freedom		164					
CV (%)		9.4					
R^2 (%)		72.0					

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

Table 60. Roundup Ready Maturity Group V Late Soybeans (Belle Meade Planation, Warren County).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2010	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5706RR	Progeny	74.1	—	—	9/22	25	1
AG5831	Asgrow	73.2	—	—	9/17	26	1
DG 5970RR	Delta Grow	73.2	—	—	9/22	30	1
57R21 TM	REV TM	72.3	—	—	9/18	26	1
DG 33C59	Dyna-Gro	71.4	—	—	9/20	28	1
TV59R16	Terral	68.1	—	—	9/21	20	1
AGS 597	AGS	67.1	—	—	9/20	32	1
AGS 606RR	AGS	67.0	—	—	9/20	38	1
95Y70	Pioneer	66.7	—	—	9/19	38	1
NK S57-K3 Brand	NK Brand	66.6	—	—	9/20	23	1
HBK RY5820	Hornbeck	47.3	—	—	9/18	46	4
Overall Average		64.0	—	—			
LSD (.10)		7.7					
Error degrees of freedom		20					
CV (%)		8.0					
R^2 (%)		76.7					

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

Plant Characteristics

Table 61. Plant Characteristics of Maturity Group IV Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			%	%
DG 4861LL	Delta Grow	purple	tawny	tan	black	3100	I	4.8	36.9	22.0
e4920	eMerge	purple	tawny	tan	black	2500	I	4.9	36.5	20.9
XP4520	eMerge	purple	tawny	brown	black	2400	I	4.5	38.1	20.1
HBK C4926	Hornbeck	purple	gray	tan	imp black	2900	I	4.9	35.6	22.2
HBK C4929	Hornbeck	purple	lt. tawny	brown	imp black	2800	I	4.9	36.9	20.4
ATLANTA 1047RR2Y	Merschman	purple	lt. tawny	tan	black	2700	I	4.7	36.4	20.8
HOUSTON 747RR	Merschman	Seg.	lt. tawny	tan	black	2700	I	4.7	35.2	21.6
MIAMI 949LL	Merschman	purple	gray	tan	imp. black	3100	I	4.9	36.2	20.5
NASHVILLE 749RR	Merschman	white	gray	brown	black	2500	I	4.9	35.3	21.1
ORLANDO 1048LL	Merschman	purple	tawny	tan	black	3100	I	4.8	36.9	21.8
P4860LL	Progeny	purple	tawny	tan	black	2900	I	4.8	37.3	21.8
P4910	Progeny	Seg.	lt. tawny	tan	black	2900	I	4.9	35.8	21.0
P4928LL	Progeny	purple	gray	tan	buff	3000	I	4.9	37.0	19.9
P4960LL	Progeny	purple	tawny	tan	black	3200	I	4.8	35.8	21.1
LG01-5087-5 (E)	Public	purple	gray	brown	imp. black	3700	I	4.5	35.6	21.3
S07-5049 (E)	Public	purple	lt. tawny	tan	black	2900	I	4.0	36.9	21.2
S07-5117 (E)	Public	white	lt. tawny	tan	black	2700	I	4.9	36.8	20.5
S07-5151 (E)	Public	—	tawny	tan	black	3000	I	4.6	37.6	20.9
UA 4910	Public	white	lt. tawny	tan	black	3200	I	4.9	36.6	20.6
UA 4805	Public	purple	gray	tan	brown	3400	I	4.8	37.5	19.5
Y163-2 (E)	Public	purple	tawny	brown	black	3600	I	3.9	35.3	20.9
Y227-1 (E)	Public	purple	tawny	tan	brown	3100	I	4.0	36.5	20.8
Y227-2 (E)	Public	purple	tawny	tan	brown	3100	I	4.0	37.4	20.4
MPG-X-410-1 (E)	Super Soy	purple	lt. tawny	tan	black	2700	I	4.6	36.5	20.8
SS-11L.48N	Super Soy	purple	tawny	tan	black	2900	I	4.8	36.8	22.0
SS-09L.49N	Super Soy	purple	gray	tan	buff	3100	I	4.9	37.2	20.0
SSC-049N	Super Soy	white	tawny	tan	black	2900	I	4.9	37.2	20.6
Halo 4:65LL	US Seeds	purple	lt. tawny	brown	black	2400	I	4.6	35.4	22.4
Halo 4:94LL	US Seeds	purple	gray	tan	imp. black	3500	I	4.9	36.6	20.0

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

Table 62. Plant Characteristics of Maturity Group V Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
DG 5461LL	Delta Grow	purple	tawny	tan	brown	3900	5.4	37.1	20.0
ES5222 (E)	Eagle Seed					3000	5.2	37.8	20.1
e5110	eMerge	white	lt. tawny	brown	black	2300	5.1	37.8	19.9
HBK C5025	Hornbeck	white	gray	tan	buff	3000	5.0	35.3	21.7
HBK C5528	Hornbeck	purple	tawny	tan	black	3000	5.5	37.8	20.3
OLYMPUS 1051LL	Merschman	white	tawny	brown	black	2400	5.1	37.5	20.3
RUSHMORE 959RR	Merschman	purple	gray	tan	imp. black	3100	5.9	35.4	20.6
WHITNEY 1154ll	Merschman	purple	lt. tawny	tan	brown	3400	5.4	37.0	20.1
CB 5209	MorSoy	white	tawny	tan	brown	2700	5.2	37.7	20.0
P5160LL (E)	Progeny	white	tawny	brown	black	2600	5.1	37.4	20.2

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

Table 62 (cont.). Plant Characteristics of Maturity Group V Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
P5460LL (E)	Progeny	purple	lt. tawny	tan	brown	3200	5.4	36.2	20.4
P5770	Progeny	purple	gray	tan	buff	2700	5.7	36.4	21.1
P5960LL (E)	Progeny	white	gray	brown	buff	3200	5.9	36.9	20.2
DB03-8416 (E)	Public	purple	gray	tan	imp. black	2900	5.3	38.2	19.8
DB04-10836 (E)	Public	purple	tawny	tan	black	3800	5.5	37.1	20.2
DB06-2257 (E)	Public	purple	tawny	tan	imp. black	3400	5.7	36.2	20.8
Glenn	Public	white	tawny	tan	black	2600	5.0	36.7	20.4
Jake	Public	purple	tawny	tan	black	3000	5.4	37.6	20.0
JTN-5203 (E)	Public	white	gray	tan	buff	3100	5.3	36.8	20.7
Osage	Public	purple	gray	tan	imp. black	3500	5.6	38.4	19.5
Ozark	Public	purple	gray	tan	buff	3000	5.2	36.3	20.7
R04-357 (E)	Public	purple	gray	tan	imp.black	3500	5.6	37.1	20.1
S05-11268 (E)	Public	white	tawny	tan	black	3300	5.0	36.8	20.6
S05-11482 (E)	Public	white	tawny	tan	black	3300	5.1	36.5	21.1
SS-10L.51N	Super Soy	white	tawny	brown	black	2700	5.1	37.5	20.2
SSC-051N	Super Soy	white	tawny	tan	black	3100	5.1	36.6	21.0
Halo 5:25LL	US Seeds	white	tawny	brown	black	3000	5.2	37.4	20.2
Halo 5:65LL	US Seeds	white	gray	brown	buff	3000	5.6	36.8	20.2

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

Table 63. Plant Characteristics of Roundup Ready Maturity Group IV Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			%	%
AV 44X1RR	AgVenture	purple	tawny	brown	black	2400	I	4.4	37.7	21.1
AV 45x5RR	AgVenture	purple	tawny	tan	black	2800	I	4.5	37.7	21.1
Armor 42-M1	Armor	purple	tawny	tan	black	2800	I	4.2	36.8	21.3
AG4130	Asgrow	purple	gray	brown	imp. black	3400	I	4.9	36.8	21.4
AG4303	Agrow	purple	lt. tawny	tan	black	2200	I	4.3	36.2	21.2
AG4531	Asgrow	purple	lt. tawny	tan	black	2400	I	4.5	37.1	20.3
AG4605	Asgrow	purple	lt. tawny	brown	black	2900	I	4.6	37.0	21.0
AG4630	Asgrow	purple	lt. tawny	tan	black	3000	I	4.6	36.6	20.5
EXP941R2	Asgrow	purple	gray	brown	imp. black	2900	I	4.1	36.3	20.9
EXP943R2	Asgrow	purple	gray	tan	imp. black	2800	I	4.3	36.0	21.5
EXP944R2	Asgrow	purple	lt. tawny	tan	black	2400	I	4.4	36.8	20.9
EXP946R2	Asgrow	purple	gray	tan	imp. black	2700	I	4.6	36.6	21.0
RC 4417	Croplan Genetics	purple	tawny	brown	black	3100	I	4.4	36.9	22.0
RT 4539	Croplan Genetics	white	lt. tawny	tan	black	3400	I	4.4	37.1	20.6
DG 4470RR/STS	Delta Grow	purple	tawny	tan	black	2900	I	4.4	36.8	21.6
DKR 4440 (E)	Delta King	—	—	—	—	3000	I	4.4	36.5	20.4
DG 34RY46	Dyna-Gro	purple	lt. tawny	brown	black	2900	I	4.6	36.4	20.6
DG 35X43	Dyna-Gro	purple	lt. tawny	brown	black	3100	I	4.3	36.6	22.1
DG 36C44	Dyna-Gro	purple	tawny	tan	black	2200	I	4.4	36.4	21.5
ES 4333RR	Eagle Seed	purple	lt. tawny	brown	black	2900	I	4.3	36.1	22.0
HBK R4527	Hornbeck	white	gray	tan	black	3500	I	4.5	37.2	20.6
HBK R4729	Hornbeck	purple	tawny	tan	brown	2700	I	4.7	37.8	19.9
MorSoy R2S 4629	MorSoy	purple	lt. tawny	tan	black	3000	I	4.6	36.4	20.6
NK S44-D5 Brand	NK Brand	white	lt. tawny	brown	brown	3200	I	4.4	37.2	20.4
93Y92	Pioneer	purple	lt. tawny	tan	black	2600	I	3.9	37.1	22.1

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

Table 63 (cont.). Plant Characteristics of Roundup Ready Maturity Group IV Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			%	%
94Y20	Pioneer	white	lt. tawny	brown	black	2600	I	4.2	37.2	21.7
94Y40	Pioneer	purple	lt. tawny	tan	black	2800	I	4.4	36.6	21.9
P3909	Progeny	purple	lt. tawny	tan	black	2800	I	3.9	35.3	21.8
P3910RY (E)	Progeny	purple	gray	tan	imp. black	2400	I	3.9	36.4	21.5
P4206RR	Progeny	white	lt. tawny	brown	black	3000	I	4.2	36.1	21.4
P4209RY	Progeny	purple	gray	brown	imp. black	2900	I	4.2	36.8	20.5
P4606RR	Progeny	purple	lt. tawny	tan	black	2600	I	4.6	35.6	21.3
P4510RY (E)	Progeny	purple	lt. tawny	tan	black	2700	I	4.5	36.9	20.4
P4610RY (E)	Progeny	purple	lt. tawny	brown	black	2700	I	4.6	36.6	21.9
S07-15722 (E)	Public	white	tawny	brown	black	3300	I	4.6	37.0	20.8
REV™ 44R22	REV™	purple	lt. tawny	brown	black	2500	I	4.4	37.5	21.3
REV™ 45R10	REV™	purple	lt. tawny	brown	black	2900	I	4.5	37.1	21.1
457.RCP	Schillinger	purple	tawny	brown	black	3400	I	4.5	37.0	20.4
458.RCS (E)	Schillinger	white	lt. tawny	brown	black	2500	I	4.5	36.8	20.7
TV46R15	Terral	white	tawny	tan	black	3800	I	4.6	37.4	21.4
TV46R19	Terral	white	tawny	tan	imp. black	3700	I	4.6	37.1	20.4
USG 74A69	USG	purple	lt. tawny	tan	black	2600	I	4.6	37.0	20.3
USG 74C69	USG	purple	tawny	tan	imp. black	3600	I	4.6	37.2	20.3
USG74T59	USG	purple	gray	—	brown	2800	I	4.5	36.4	21.1

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

Table 64. Plant Characteristics of Roundup Ready Maturity Group IV Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			%	%
AV 48A8RR	AgVenture	—	—	—	—	3000	I		37.7	20.9
Armor 47-F8	Armor	purple	lt. tawny	tan	black	3100	I	4.7	35.5	21.6
Armor 47-G10	Armor	purple	lt. tawny	brown	black	2900	I	4.7	36.9	20.0
Armor 47-R33	Armor	purple	lt. tawny	brown	black	2500	I	4.7	36.5	20.7
Armor ARX 1471 (E)	Armor	—	—	—	—	3100	I	4.7	36.4	21.5
Armor ARX 1477 (E)	Armor	—	—	—	—	1500	I	4.7	36.2	20.9
Armor ARX 1478 (E)	Armor	—	—	—	—	2600	I	4.7	36.5	20.7
Armor ARX 1481 (E)	Armor	—	—	—	—	2600	I	4.8	36.9	20.5
Armor ARX 1482 (E)	Armor	—	—	—	—	2600	I	4.8	36.9	20.5
AG4730	Asgrow	purple	lt. tawny	tan	black	2800	I	4.7	37.0	20.5
AG4907	Asgrow	purple	lt. tawny	brown	black	3100	I	4.9	36.6	20.7
AG4831	Asgrow	purple	lt. tawny	tan	black	2400	I	4.8	37.3	20.7
RC 4757	Croplan Genetics	Seg.	lt. tawny	tan	black	3100	I	4.7	35.6	21.4
RC 4877	Croplan Genetics	purple	tawny	brown	black	2900	I	4.8	37.4	20.3
DG 4770RR	Delta Grow	purple	tawny	brown	black	2200	I	4.7	36.7	21.2
DG 4880RR	Delta Grow	white	tawny	brown	black	3300	I	4.8	38.6	19.8
DG 4970RR	Delta Grow	purple	tawny	tan	black	3000	I	4.9	37.8	19.6
DG 4975RR	Delta Grow	purple	tawny	brown	black	3300	I	4.9	37.0	21.0
DK 4968	Delta King	purple	gray	tan	imp. black	3200	I	4.9	36.5	20.3
DKR 4744 (E)	Delta King	purple	lt. tawny	tan	black	2700	I	4.7	36.7	20.2
DKX 1473 (E)	Delta King	—	—	—	—	2300	I	4.7	36.2	21.0
DKX 1474 (E)	Delta King	—	—	—	—	2300	I	4.7	35.9	21.1
DKX 1491 (E)	Delta King	—	—	—	—	3400	I	4.9	36.7	20.3

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

Table 64 (cont.). Plant Characteristics of Roundup Ready Maturity Group IV Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth		Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]		
						no./lb			%	%
DKX 1492 (E)	Delta King	—	—	—	—	3400	I	4.9	36.3	20.4
DG 33G48	Dyna-Gro	white	tawny	brown	black	2600	I	4.8	36.2	21.0
DG 35RY47	Dyna-Gro	purple	tawny	tawny	black	2400	I	4.9	37.3	20.0
DG 37P49	Dyna-Gro	purple	tawny	tan	black	2900	I	4.9	38.2	19.6
ES 4777RR	Eagle Seed	white	lt. tawny	tan	black	3500	I	4.7	36.8	20.8
ES 4818RR	Eagle Seed	white	lt. tawny	brown	black	3600	I	4.8	37.7	19.8
ES 4988RR	Eagle Seed	purple	lt. tawny	brown	black	3500	I	4.9	36.8	20.0
ES 4998RR	Eagle Seed	—	—	—	black	3100	I	4.9	36.9	20.8
HBK R4829	Hornbeck	white	tawny	brown	black	3100	I	4.8	38.0	19.8
HBK R4924	Hornbeck	purple	lt. tawny	brown	imp. black	3300	I	4.9	36.7	20.7
MorSoy RT4707N	MorSoy	purple	tawny	brown	black	2600	I	4.7	37.4	20.4
MorSoy RTs4824	MorSoy	purple	lt. tawny	brown	black	3000	I	4.8	36.4	20.7
MorSoy RTs4955N	MorSoy	purple	gray	tan	imp. black	2900	I	4.9	37.3	21.0
MorSoy R2 490 (E)	MorSoy	purple	lt. tawny	tan	black	3400	I	4.9	36.5	20.5
MorSoy R2 491 (E)	MorSoy	purple	gray	tan	imp. black	2900	I	4.9	37.1	20.4
MorSoy R2 496 (E)	MorSoy	purple	lt. tawny	tan	black	3500	I	4.9	37.1	20.4
MorSoy R2S 480 (E)	MorSoy	purple	lt. tawny	tan	black	2600	I	4.8	37.2	20.3
MorSoy R2S 481 (E)	MorSoy	purple	lt. tawny	tan	black	2400	I	4.8	36.9	20.4
MorSoy R2S 4800	MorSoy	purple	lt. tawny	brown	black	2700	I	4.8	37.1	20.6
NK S47-R3 Brand	NK Brand	white	gray	tan	buff	3400	I	4.7	36.8	20.7
NK D49-A5 Brand	NK Brand	purple	lt. tawny	tan	black	2800	I	4.9	36.2	21.2
NK S49-H7 Brand	NK Brand	white	tawny	tan	black	3100	I	4.9	36.9	20.5
94Y70	Pioneer	purple	tawny	brown	black	2700	I	4.7	37.0	21.4
94Y80	Pioneer	purple	lt. tawny	brown	black	3100	I	4.8	36.8	21.2
94Y90	Pioneer	purple	lt. tawny	brown	black	2700	I	4.9	36.6	21.1
94Y92	Pioneer	purple	lt. tawny	tan	black	2200	I	4.9	36.5	20.5
P4710RY (E)	Progeny	purple	lt. tawny	tan	black	2500	I	4.7	37.1	20.3
P 4750RR	Progeny	white	tawny	brown	black	3200	I	4.7	36.5	20.5
P4807RR	Progeny	purple	tawny	brown	black	2900	I	4.8	37.4	20.3
P4810RY (E)	Progeny	purple	lt. tawny	brown	black	2700	I	4.8	36.4	20.8
P4906RR	Progeny	purple	tawny	tan	black	3000	I	4.9	36.7	21.3
P4908RR (E)	Progeny	white	lt. tawny	brown	black	3100	I	4.9	36.9	20.9
P4920RY (E)	Progeny	purple	lt. tawny	tan	black	3100	I	4.9	36.5	20.5
P4949RR	Progeny	white	tawny	brown	black	2500	I	4.9	36.9	21.0
S06-3095(E)	Public	purple	tawny	tan	black	3900	I	4.9	36.2	20.6
REVTM 47R22	REVTM	white	lt. tawny	brown	black	2900	I	4.7	37.8	19.9
REVTM 48R10 (E)	REVTM	white	lt. tawny	brown	black	2900	I	4.8	37.8	20.3
REVTM 48R21	REVTM	purple	tawny	brown	black	2700	I	4.8	36.1	21.6
REVTM 48R22	REVTM	white	lt. tawny	brown	black	2400	I	4.8	36.3	21.1
REVTM 49R10 (E)	REVTM	white	lt. tawny	brown	brown	2600	I	4.9	36.7	21.1
REVTM 49R11 (E)	REVTM	white	tawny	brown	black	2700	I	4.9	35.6	21.2
REVTM 49R22	REVTM	purple	lt. tawny	brown	black	2700	I	4.9	36.7	21.3
478.RCS	Schillinger	purple	lt. tawny	brown	black	2800	I	4.7	36.8	20.2
495.RC	Schillinger	purple	lt. tawny	brown	black	3200	I	4.9	37.9	19.6
4990.RC	Schillinger	purple	lt. tawny	brown	black	3100	I	4.9	37.4	19.8
TV47R18	Terral	white	tawny	tan	imp. black	3700	I	4.7	37.4	20.3
TV49R17	Terral	white	tawny	brown	black	3200	I	4.9	38.0	19.8
TV49R19	Terral	white	tawny	brown	black	3100	I	4.9	36.3	21.1
USG 74A91	USG	purple	lt. tawny	tan	black	2900	I	4.9	36.5	21.3
USG 74G78	USG	Seg.	lt. tawny	tan	black	2600	I	4.7	36.8	21.2

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

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

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
AGS 554RR	AGS	purple	tawny	tan	black	2900	5.5	37.6	20.3
AGS 568RR	AGS	purple	tawny	tan	black	2100	5.6	37.9	20.1
AV 50X6RR	AgVenture	white	gray	tan	buff	2900	5.0	37.8	20.4
AV 51X5RR/STS	AgVenture	white	tawny	tan	black	2700	5.1	37.8	20.0
AV 54X4RR	AgVenture	purple	tawny	tan	black	2700	5.4	37.6	20.3
Armor 53-Z5	Armor	white	tawny	gray	buff	3500	5.3	36.3	20.6
Armor ARX 1531 (E)	Armor	—	—	—	—	2900	5.3	37.1	20.2
Armor ARX 1535 (E)	Armor	—	—	—	—	2700	5.3	36.1	20.7
Armor ARX 1551 (E)	Armor	—	—	—	—	3000	5.5	37.1	19.8
Armor ARX 1552 (E)	Armor	—	—	—	—	3000	5.5	37.4	19.8
AG5331	Asgrow	purple	gray	brown	—	2400	5.3	36.6	20.7
AG5431	Asgrow	purple	tawny	tan	—	2600	5.4	37.5	20.0
AG5531	Asgrow	white	gray	tan	—	2800	5.5	37.3	20.0
RC 5007S	Croplan Genetics	white	gray	tan	buff	3100	5.0	36.7	20.5
RC 5419	Croplan Genetics	purple	gray	tan	black	2800	5.4	37.2	20.1
DG 5275RR2	Delta Grow	purple	gray	tan	imp. black	2800	5.2	36.1	20.9
DG 5280RR	Delta Grow	purple	tawny	brown	black	3200	5.2	37.3	20.5
DG 5300RR/STS	Delta Grow	white	gray	tan	buff	3500	5.3	37.0	20.3
DG 5555RR	Delta Grow	purple	gray	brown	imp. black	2900	5.5	37.1	20.1
Delta King GP-500	Delta King	white	brown	tan	black	3400	5.0	37.6	19.7
Delta King GP-533	Delta King	white	brown	tan	brown	3100	5.3	37.2	19.4
DK 5363	Delta King	Seg.	Tawny	tan	black	2800	5.3	36.9	20.8
DKX 1533 (E)	Delta King	—	—	—	—	2900	5.3	37.7	19.9
DKX 1534 (E)	Delta King	—	—	—	—	2400	5.3	37.4	20.1
DKX 1537 (E)	Delta King	—	—	—	—	3300	5.3	37.5	19.4
DKX 1538 (E)	Delta King	—	—	—	—	3300	5.3	37.2	19.6
DKX 1539 (E)	Delta King	—	—	—	—	3300	5.3	37.5	20.0
DKX 1540 (E)	Delta King	—	—	—	—	3300	5.4	37.2	19.9
DG 32A53	Dyna-Gro	purple	tawny	tan	black	2600	5.3	37.8	20.4
DG 33B52	Dyna-Gro	white	gray	tan	black	2900	5.2	35.9	21.1
DG 33X55	Dyna-Gro	purple	tawny	tan	black	2900	5.5	37.9	20.1
DG 35F55	Dyna-Gro	purple	gray	tan	black	2900	5.5	36.9	20.2
DG 35P53	Dyna-Gro	purple	gray	tan	buff	2500	5.3	37.4	20.0
DG 37RY52	Dyna-Gro	purple	gray	tan	imp. black	2800	5.2	35.9	21.1
ES 5121RR	Eagle Seed	—	gray	—	—	3400	5.1	37.6	19.9
ES 5355RR	Eagle Seed	—	—	—	—	3100	5.3	38.3	20.0
ES 5444RR	Eagle Seed	—	—	—	—	2800	5.4	37.8	20.0
ES 5507RR	Eagle Seed	white	gray	tan	buff	3600	5.5	37.7	19.7
ES 5519RR	Eagle Seed	white	tawny	—	—	3400	5.5	36.7	20.1
ES 5656RR	Eagle Seed	white	tawny	tan	black	2800	5.6	37.7	19.7
ES 5190RR2 (E)	Eagle Seed	—	—	—	—	2600	5.1	36.8	20.1
ES 5390RR2 (E)	Eagle Seed	—	—	—	—	3200	5.3	37.7	19.7
HBK R5226	Hornbeck	purple	tawny	tan	black	2700	5.2	37.3	20.4
HBK R5525	Hornbeck	purple	tawny	tan	black	2900	5.5	37.2	19.8
HBK R5529	Hornbeck	white	tawny	tan	brown	3000	5.5	37.2	20.9
HBK RY5220	Hornbeck	white	gray	tan	buff	3000	5.2	37.7	19.9
HBK RY5520	Hornbeck	purple	tawny	brown	brown	3000	5.5	37.2	19.8
MorSoy RT5168	MorSoy	white	gray	tan	buff	2800	5.1	38.1	19.9
MorSoy RT5388N	MorSoy	purple	gray	tan	buff	3500	5.3	36.8	20.6
MorSoy RT5688N	MorSoy	white	gray	tan	buff	2800	5.6	36.5	20.2
MorSoyR2 520 (E)	MorSoy	purple	gray	tan	imp. black	3400	5.2	37.4	19.5
MorSoyR2 521 (E)	MorSoy	purple	tawny	tan	imp. black	3300	5.2	37.4	19.5
MorSoyR2 540 (E)	MorSoy	purple	tawny	tan	brown	3000	5.4	37.3	20.0
MorSoyRT 5429N	MorSoy	white	tawny	tan	black	3300	5.4	37.3	20.1
NK S51-T8 Brand	NK Brand	purple	lt. tawny	brown	black	2900	5.1	36.9	20.6
NK S56-G6 Brand	NK Brand	purple	tawny	tan	black	3600	5.6	37.5	20.0
95Y01	Pioneer	purple	tawny	brown	black	2900	5.0	37.1	20.5
95Y30	Pioneer	white	gray	tan	buff	3200	5.3	36.3	20.5
95Y31	Pioneer	purple	tawny	tan	black	3200	5.3	36.8	20.2
95Y40	Pioneer	white	tawny	brown	black	3000	5.4	37.3	20.2
P5115RR	Progeny	purple	lt. tawny	brown	black	3200	5.1	35.8	21.3

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

Table 65 (cont.). Plant Characteristics of Roundup Ready Maturity Group V Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
P5218RR	Progeny	purple	tawny	tan	black	2600	5.2	37.8	20.3
P5330RR (E)	Progeny	purple	tawny	tan	—	2800	5.3	37.1	20.2
P5622RR	Progeny	white	gray	tan	buff	3100	5.6	36.8	20.2
P5650RR	Progeny	white	gray	tan	buff	3100	5.6	35.7	21.0
P5110RY (E)	Progeny	purple	gray	tan	imp. black	2900	5.1	37.2	20.3
P5210RY (E)	Progeny	purple	gray	tan	imp. black	2800	5.2	36.2	20.8
P5310RY (E)	Progeny	white	gray	brown	buff	3000	5.3	37.5	20.2
P5610RY (E)	Progeny	purple	gray	tan	imp. black	2400	5.6	35.9	20.5
S06-3053 (E)	Public	purple	tawny	tan	black	4200	5.2	37.9	19.4
S06-4649 (E)	Public	purple	tawny	tan	black	4300	5.2	36.4	20.5
REVTM 54R10 (E)	REVTM	purple	gray	tan	imp. black	2700	5.4	37.3	20.2
REVTM 54R21	REVTM	purple	tawny	tan	black	2900	5.4	36.4	20.6
REVTM 55R21(E)	REVTM	white	gray	tan	buff	2800	5.5	37.1	20.2
REVTM 56R21	REVTM	purple	gray	tan	imp. black	2700	5.6	36.9	20.4
557.RC	Schillinger	purple	gray	tan	imp. black	3300	5.5	36.7	19.9
TV52R79	Terral	white	gray	tan	buff	3600	5.2	37.0	20.1
TV54R28	Terral	purple	tawny	tan	—	2800	5.4	37.0	20.2
TV55R15	Terral	purple	gray	tan	imp. black	2800	5.5	36.6	20.3
TV55R20	Terral	purple	gray	tan	buff	2400	5.5	37.4	20.0
USG 75J10R	USG	purple	lt. tawny	tan	black	3500	5.1	36.3	20.5
USG 75J30R	USG	purple	gray	tan	imp. black	3500	5.3	37.2	19.6
USG 75T18	USG	purple	gray	—	black	3900	5.1	36.0	21.1

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

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

Variety	Brand	Color				Seeds[2]	RM[3]	Protein	Oil
		Bloom	Pubescence	Pod wall	Hilum				
						no./lb		%	%
AGS 597	AGS	white	gray	tan	black	2800	5.9	36.8	20.2
AGS 606RR	AGS	white	tawny	tan	black	3100	5.9	37.7	19.7
AG5831	Asgrow	purple	tawny	tan	black	2800	5.8	36.1	20.1
DG 5970RR	Delta Grow	white	gray	tan	buff	3100	5.9	37.8	19.9
DG 33C59	Dyna-Gro	white	gray	tan	black	2900	5.9	36.9	20.1
HBK RY5820	Hornbeck	purple	gray	tan	imp. black	3000	5.8	37.3	19.9
NK S57-K3 Brand	NK Brand	purple	tawny	tan	black	3000	5.7	37.1	20.8
95Y70	Pioneer	white	gray	tan	buff	2900	5.7	36.4	20.3
P5706RR	Progeny	white	gray	tan	buff	3300	5.7	37.4	20.1
REVTM 57R21	REVTM	purple	tawny	tan	—	3000	5.7	36.7	20.6
TV59R16	Terral	white	gray	tan	buff	2700	5.9	36.8	20.3

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

Reaction to Diseases

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

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

Stem Canker Score. In addition to the disease ratings, each variety was also assigned a score for its reaction to stem canker. This score gives an average rating of 40 plants stuck with a toothpick of stem canker inoculum. Stem canker ratings convey the level of tolerance based on the score of the plants tooth picked: VS = 4.6 - 5.0; S = 2.0 - 4.5; MS = 1.5 - 1.9; MR = 1.2 - 1.4; R = 1.0 - 1.1.

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

Table 67. 2010 Soybean Stem Canker for Maturity Group IV Conventional Soybeans

Variety	Brand	Numeric Rating	Variety	Brand	Numeric Rating
DG 4861LL	Delta Grow	—	S07-5049 (E)	Public	1.0
e4920	eMerge	—	S07-5117 (E)	Public	1.0
XP4520	eMerge	—	S07-5151 (E)	Public	1.0
HBK C4926	Hornbeck	1.0	UA 4805	Public	1.0
HBK C4929	Hornbeck	1.0	UA 4910	Public	1.0
ATLANTA 1047RR2Y	Merschman	3.5	Y163-2 (E)	Public	1.0
HOUSTON 747RR	Merschman	1.1	Y227-1 (E)	Public	1.0
MIAMI 949LL	Merschman	1.0	Y227-2 (E)	Public	1.0
NASHVILLE 749RR	Merschman	1.0	MPG-X-410-1 (E)	Super Soy	1.1
ORLANDO 1048LL	Merschman	1.0	SS-09L.49N	Super Soy	1.0
P4860LL (E)	Progeny	1.0	SS-11L.48N	Super Soy	1.0
P4928LL	Progeny	1.0	SSC-049N	Super Soy	1.0
P4960LL (E)	Progeny	1.0	Halo 4:65	US Seeds	1.0
Progeny P4910	Progeny	1.0	Halo 4:94	US Seeds	1.0
LG01-5087-5	Public	1.0	Susceptible Check		5.0

Table 68. 2010 Soybean Stem Canker for Maturity Group V Conventional Soybeans

Brand	Variety	Numeric Rating	Brand	Variety	Numeric Rating
Eagle Seed	ES5222 (E)	1.0	Public	DB06-2257 (E)	1.0
eMerge	e5110	1.0	Public	Jake	1.0
Hornbeck	HBK C5025	1.0	Public	JTN-5203 (E)	1.0
Hornbeck	HBK C5528	1.0	Public	Osage	1.0
Merschman	OLYMPUS 1051LL	1.3	Public	Ozark	1.0
Merschman	RUSHMORE 959RR	1.2	Public	R04-357 (E)	1.0
Merschman	WHITNEY 1154LL	1.6	Public	S05-11268 (E)	1.0
Morsoy	CB 5209	1.0	Public	S05-11482 (E)	1.0
Progeny	P5160LL (E)	1.0	Public	V98-2711	1.0
Progeny	P5460LL (E)	1.0	Super Soy	SS-10L.51N	1.0
Progeny	P5960LL (E)	1.1	Super Soy	SSC-051N	1.0
Progeny	Progeny P5770	1.0	US Seeds	Halo 5:25	1.0
Public	DB03-8416 (E)	1.0	US Seeds	Halo 5:65	1.0
Public	DB04-10836 (E)	1.0		Glenn	1.0
			Susceptible Check		5.0

Table 69. 2010 Soybean Stem Canker Rating for Maturity Group IV Early Roundup Ready Soybeans

Brand	Variety	Numeric Rating	Brand	Variety	Numeric Rating
AgVenture	AV 45x5RR	1.0	Pioneer	93Y92	1.2
Armor	Armor 42-M1	1.0	Pioneer	94Y20	1.1
Asgrow	AG4130	3.2	Pioneer	94Y40	1.0
Asgrow	AG4303	1.0	Progeny	P3910RY (E)	1.0
Asgrow	AG4531	2.4	Progeny	P4209RY	—
Asgrow	AG4605	1.0	Progeny	P4510RY (E)	1.0
Asgrow	AG4630	2.5	Progeny	P4610RY (E)	1.6
Asgrow	EXP941R2	1.1	Progeny	Progeny 4206RR	1.5
Asgrow	EXP943R2	1.0	Progeny	Progeny 4606RR	1.3
Asgrow	EXP944R2	2.0	Progeny	Progeny P3909RR (E)	1.3
Asgrow	EXP946R2	4.7	Public	S07-15722 (E)	1.0
Croplan Genetics	RC 4417	1.4	REV TM	44R22 TM	1.2
Croplan Genetics	RT 4539	1.0	REVTM	45R10TM	1.0
Delta Grow	DG 4470RR/STS	1.1	Schillinger	457.RCP	1.2
Delta King	DKR 4440 (E)	1.3	Schillinger	458.RCS (E)	1.6
Dyna-Gro	DG 34RY46	3.4	Terral	TV46R15	1.0
Dyna-Gro	DG 35X43	—	Terral	TV46R19	1.4
Dyna-Gro	DG 36C44	1.9	USG	USG 74A69	1.6
Eagle Seed	ES 4333RR	1.7	USG	USG 74C69R	1.0
Hornbeck	HBK R4527	1.1	USG	USG 74T59	3.4
NK Brand	NK S44-D5 Brand	1.0	VP Maxx	VPM 44X1	—

Table 70. 2010 Soybean Stem Canker Rating for Maturity Group IV Late Roundup Ready

Brand	Variety	Numeric Rating	Brand	Variety	Numeric Rating
AgVenture	AV48A8RR	1.0	MorSoy	MorSoy RTs4824	1.5
Armor	Armor 47-F8	1.0	MorSoy	R2 491 (E)	1.0
Armor	Armor 47-G10	1.0	MorSoy	R2 496 (E)	1.0
Armor	Armor 47-R33	3.0	MorSoy	R2S 480 (E)	3.5
Armor	ARX 1472 (E)	1.0	MorSoy	R2S 4800	2.6
Armor	ARX 1477 (E)	3.9	MorSoy	R2S 481 (E)	2.8
Armor	ARX 1478 (E)	1.6	NK Brand	NK S47-R3 Brand	1.0
Armor	ARX 1481 (E)	3.0	NK Brand	NK S49-A5 Brand	1.0
Armor	ARX 1482 (E)	3.5	NK Brand	S49-H7 Brand	1.1
Asgrow	AG4404	—	Pioneer	94Y70	1.0
Asgrow	AG4730	2.1	Pioneer	94Y80	1.0
Asgrow	AG4907	1.0	Pioneer	94Y90	1.0
Asgrow	AG4831	1.0	Pioneer	94Y92	1.0
Croplan Genetics	RC 4757	1.0	Progeny	P4710RY (E)	1.8
Croplan Genetics	RC 4877	1.0	Progeny	P4750RR	1.3
Delta Grow	DG 4880RR	1.0	Progeny	P4807RR	1.0
Delta Grow	DG 4970RR	1.0	Progeny	P4810RY (E)	2.6
Delta Grow	DG4770RR	2.3	Progeny	P4920RY (E)	1.0
Delta Grow	DG4975LARR	2.3	Progeny	Progeny 4906RR	2.7
Delta King	DK 4968	1.0	Progeny	Progeny 4908RR (E)	1.2
Delta King	DKR 4744s	2.5	Progeny	Progeny 4949RR	1.0
Delta King	DKX 1473 (E)	1.1	Public	S06-3095 (E)	1.5
Delta King	DKX 1474 (E)	1.0	REV TM	47R22 TM	1.0
Delta King	DKX 1491 (E)	1.0	REV TM	48R21 TM	1.0
Delta King	DKX 1492 (E)	1.4	REV TM	48R22 TM	1.0
Dyna-Gro	DG 33G48	—	REV TM	49R22 TM	1.0
Dyna-Gro	DG 35RY47	1.3	REVTM	48R10TM	1.0
Dyna-Gro	DG 37P49	3.0	REVTM	49R10TM	1.0
Eagle Seed	ES 4777	1.0	REVTM	49R11TM	1.0
Eagle Seed	ES 4818	1.0	Schillinger	478.RCS	1.1
Eagle Seed	ES4988RR	1.0	Schillinger	495.RC	1.0
Eagle Seed	ES4998RR	1.0	Schillinger	4990.RC	1.0
Hornbeck	HBK R4729	1.3	Terral	TV47R18	1.0
Hornbeck	HBK R4829	1.0	Terral	TV49R17	1.0
Hornbeck	HBK R4924	1.0	Terral	TV49R19	3.7
MorSoy	MorSoy RT4707N	1.4	USG	USG 74A91	1.9
MorSoy	MorSoy RT4955N (E)	1.0	USG	USG 74G78	1.1
			Susceptible Check		5.0

Table 71. 2010 Soybean Stem Canker Rating for Maturity Group V Early Roundup Ready Soybeans

Brand	Variety	Numeric Rating	Brand	Variety	Numeric Rating
AGS	AGS 554RR	1.0	Hornbeck	HBK R5226	1.0
AgSouth	AGS 568RR	1.0	Hornbeck	HBK R5525	3.0
AgVenture	AV 50X6RR	1.1	Hornbeck	HBK R5529	1.0
AgVenture	AV 51X5RR	1.0	Hornbeck	HBK RY5220	1.0
AgVenture	AV 54X4RR	1.0	Hornbeck	HBK RY5520	1.1
Amor	ARX 1531 (E)	1.0	MorSoy	MorSoy RT5168N (E)	1.0
Armor	Armor 53-Z5	1.0	MorSoy	MorSoy RT5388N (E)	1.0
Armor	ARX 1535 (E)	1.0	MorSoy	MorSoy RT5688N (E)	1.0
Armor	ARX 1551 (E)	1.0	MorSoy	R2 520 (E)	1.0
Armor	ARX 1552 (E)	1.0	MorSoy	R2 521 (E)	1.1
Asgrow	AG5331	1.0	MorSoy	R2 540 (E)	1.0
Asgrow	AG5431	2.0	MorSoy	RT 5429N	1.0
Asgrow	AG5531	—	NK Brand	NK S51-T8 Brand	2.5
Croplan Genetics	RC 5007S	1.0	NK Brand	NK S56-G6 Brand	—
Croplan Genetics	RC 5419	2.6	Pioneer	95Y01	1.0
Delta Grow	DG 5275RR2	1.1	Pioneer	95Y30	1.0
Delta Grow	DG 5280RR	1.0	Pioneer	95Y31	1.1
Delta Grow	DG 5555RR	1.1	Pioneer	95Y40	1.0
Delta Grow	DG5300RR	1.0	Progeny	P5110RY (E)	1.0
Delta King	Delta King GP-500	3.2	Progeny	P5210RY (E)	1.0
Delta King	Delta King GP-533	1.0	Progeny	P5310RY (E)	1.0
Delta King	DK 5363	1.0	Progeny	P5330RR	1.0
Delta King	DKX 1533 (E)	1.3	Progeny	P5610RY (E)	—
Delta King	DKX 1534 (E)	1.1	Progeny	Progeny 5115RR	1.0
Delta King	DKX 1537 (E)	1.0	Progeny	Progeny 5218RR (E)	1.0
Delta King	DKX 1538 (E)	1.0	Progeny	Progeny 5622RR	1.4
Delta King	DKX 1539 (E)	1.0	Progeny	Progeny 5650RR	1.0
Delta King	DKX 1540 (E)	1.0	Public	S06-3053 (E)	1.0
Dyna-Gro	DG 32A53	1.0	Public	S06-4649 (E)	1.3
Dyna-Gro	DG 33B52	1.0	REV TM	54R21 TM	1.0
Dyna-Gro	DG 33X55	1.1	REV TM	55R21 TM	1.0
Dyna-Gro	DG 35F55	1.9	REV TM	56R21 TM	—
Dyna-Gro	DG 35P53	1.0	REVTM	54R10TM	1.0
Dyna-Gro	DG 37RY52	1.0	Schillinger	557.RC	1.0
Eagle Seed	ES 5121	1.0	Terral	TV52R79	1.0
Eagle Seed	ES 5507RR	1.2	Terral	TV54R28	1.1
Eagle Seed	ES 5519RR	1.0	Terral	TV55R15	2.9
Eagle Seed	ES 5656RR	1.0	Terral	TV55R20	1.0
Eagle Seed	ES5190RR2 (E)	1.0	USG	USG 75J10R	1.0
Eagle Seed	ES5355RR	1.0	USG	USG 75J30R	1.0
Eagle Seed	ES5390RR2 (E)	1.0	USG	USG 75T18	1.0
Eagle Seed	ES5444RR	1.0	Susceptible Check		5.0

Table 72. 2010 Soybean Stem Canker Rating for Maturity Group V Late Roundup Ready Soybeans

Brand	Variety	Numeric Rating	Brand	Variety	Numeric Rating
AGS	AGS 597	1.0	NK Brand	NK S57-K3 Brand	1.0
AGS	AGS 606RR	1.0	Pioneer	95Y70	1.0
Asgrow	AG5831	1.0	Progeny	Progeny 5706RR	1.0
Delta Grow	DG 5970RR	1.0	REV TM	57R21 TM	1.0
Dyna-Gro	DG 33C59	1.0	Terral	TV59R16	1.0
Hornbeck	HBK RY5820	1.0	Susceptible Check		5.0

Public Varieties Entered

Arkansas Agricultural Experiment Station
Ozark
Osage
UA 4805
UA 4910 (was R00-1194F)
R04-357 (Exp.)

University of Missouri
Jake
S05-11268
S05-11482
S06-3053 (Exp.)
S06-3095 (Exp.)
S06-4649 (Exp.)
S07-15722 (Exp.)
S07-5049 (Exp.)
S07-5117 (Exp.)
S07-5151 (Exp.)

USDA Agricultural Research Service-MS
DB03-8416 (Exp.)
DB04-10836 (Exp.)
DB06-2257 (Exp.)
LG01-5087-5 (Exp.)
Y163-2 (Exp.)
Y227-1 (Exp.)
Y227-2 (Exp.)

USDA Agricultural Research Service-TN
JTN-5203 (Exp.)

Virginia Tech
Glenn

Commercial Varieties Entered

AgSouth Genetics P.O. Box 72246 Albany, GA 31708	AGS 554RR AGS 568RR AGS 597 AGS 606RR	
AgVenture MidSouth 6933 Sunflower School Rd. Clarksdale, MS 38614	AgVenture AV 45x5RR AgVenture AV 48A8RR AgVenture AV 50X6RR	AgVenture AV 51X5RR/STS AgVenture AV 54X4 RR VP Maxx VPM 44X1
Cache River Valley Seed P.O. Box 10 Cash, AR 72421	MorSoy CB5209 MorSoy RT4707N MorSoy RTs4824 MorSoy RTs4955N MorSoy RT5168N MorSoy RT5388N MorSoy RT5429N MorSoy RT5688N MorSoy R2 490	MorSoy R2 491 MorSoy R2 496 MorSoy R2 520 MorSoy R2 521 MorSoy R2 540 MorSoy R2S 480 MorSoy R2S 481 MorSoy R2S 4629 MorSoy R2S 4800
Crop Production Services P.O Box 7 Hollandale MS 38748	Dyna-Gro 32A53 Dyna-Gro 33B52 Dyna-Gro 33C59 Dyna-Gro 33G48 Dyna-Gro 33X55 Dyna-Gro 34RY46 Dyna-Gro 35F55	Dyna-Gro 35P53 Dyna-Gro 35RY47 Dyna-Gro 35X43 Dyna-Gro 36C44 Dyna-Gro 37P49 Dyna-Gro 37RY52
Cullum Seeds LLC P.O. Box 178 Fisher, AR 72429	Armor 42-M1 Armor 47-F8 Armor47-G10 Armor 47-R33 Armor 53-Z5 ArmorARX 1471 (Exp.) Armor ARX 1477 (Exp.) Armor ARX 1478 (Exp.) Armor ARX 1481 (Exp.) Armor ARX 1482 (Exp.) Armor ARX 1531 (Exp.) Armor ARX 1535 (Exp.) Armor ARX 1551 (Exp.) Armor ARX 1552 (Exp.) Delta King GP-500	Delta King GP-533 Delta King DK 4968 Delta King DK 5363 Delta King DKR 4440 (Exp.) Delta King DKR 4744s Delta King DKX 1473 (Exp Delta King DKX 1474 (Exp.) Delta King DKX 1491 (Exp.) Delta King DKX 1492 (Exp.) Delta King DKX 1533 (Exp.) Delta King DKX 1534 (Exp.) Delta King DKX 1537 (Exp.) Delta King DKX 1538 (Exp.) Delta King DKX 1539 (Exp.) Delta King DKX 1540 (Exp.)
Delta Grow Seed P.O. Box 219 England, AR 72046	DG 4470RR/STS DG 4770RR DG 4861LL DG 4880RR DG 4970RR DG 4975RR	DG 5275RR2 DG 5280RR DG 5300RR/STS DG 5461LL DG 5555RR DG 5970RR
Eagle Seed Company P.O. Box 308 Weiner, AR 72479	ES4333RR ES4777RR ES4818RR ES4988RR ES4998RR ES5121RR ES5190RR2 (Exp.)	ES5222 (Exp.) ES5355RR ES5390 RR2 (Exp.) ES5444RR ES5507RR ES5519RR ES5656RR
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK C4926 HBK C4929 HBK C5025 HBK C5528 HBK R4527 HBK R4729 HBK R4829	HBK R4924 HBK R5226 HBK R5525 HBK R5529 HBK RY5220 HBK RY5520 HBK RY5820
Merschman Seeds, Inc. 103 Ave. D, P.O. Box 67 West Point, IA 52656	ATLANTA 1047RR2Y HOUSTON 747RR MIAMI 949LL NASHVILLE 749RR	OLYMPUS 1051LL ORLANDO 1048LL RUSHMORE 959RR WHITNEY 1154LL
Midwest Premium Genetics, LLC 523 S. Main, P.O. Box 688 Concordia, MO 64020	MPG-X-410-1 (Exp) SS-09L.49N SS-10L.51N	SS-11L.48N SSC-049N SSC-051N

Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow AG4130 Asgrow AG4303 Asgrow AG4531 Asgrow AG4630 Asgrow AG4605 Asgrow AG4730 Asgrow AG4907 Asgrow AG5331	Asgrow AG5431 Asgrow AG5531 Asgrow AG5831 Asgrow EXP941R2 Asgrow EXP943R2 Asgrow EXP944R2 Asgrow EXP946R2 Asgrow AG4831
Pioneer Hi-Bred Int. Inc. 700 Blvd South, Suite 302 Huntsville, AL 35802	Pioneer variety 93Y92 Pioneer variety 94Y20 Pioneer variety 94Y40 Pioneer variety 94Y70 Pioneer variety 94Y80 Pioneer variety 94Y90	Pioneer variety 94Y92 Pioneer variety 95Y01 Pioneer variety 95Y30 Pioneer variety 95Y31 Pioneer variety 95Y40 Pioneer variety 95Y70
Progeny Ag Products 1529 Hwy. 193 South Wynne, AR 72396	Progeny P4910 Progeny P5770 Progeny P4928LL Progeny P4860LL Progeny P4960LL Progeny P5160LL Progeny P5460LL Progeny P5960LL Progeny P3909RR Progeny P4206RR Progeny P4606RR Progeny P4807RR Progeny P4906RR Progeny P4908RR Progeny P4949RR Progeny P5115RR	Progeny P5218RR Progeny P5622RR Progeny P5650RR Progeny P5706RR Progeny P3910RY Progeny P4209RY Progeny P4510RY Progeny P4610RY Progeny P4710RY Progeny P4810RY Progeny P4920RY Progeny P5110RY Progeny P5210RY Progeny P5310RY Progeny P5610RY
Schillinger Genetics 4401 Westown Pkwy. Ste. 225 West Des Moines, IA 50266	e4920 e5110 XP4520	
Stratton Seed Co. P.O. Box 1088 Stuttgart AR 72160	457.RCP 458.RCS 478.RCS	495.RC 4990.RC 557.RC
Syngenta Seeds Inc. 11055 Wayzata Blvd. Minnetonka, MN 55305	NK S44-D5 Brand NK S47-R3 Brand NK S49-A5 Brand	NK S51-T8 Brand NK S56-G6 Brand NK S57-K3 Brand
Terral Seed Company P.O. Box 826 Lake Providence, LA 71254	REVTM 44R22TM REVTM 45R10TM REVTM 47R22TM REVTM 48R10TM REVTM 48R21TM REVTM 48R22TM REVTM 49R10TM REVTM 49R11TM REVTM 49R22TM REVTM 54R10TM REVTM 54R21TM REVTM 55R21TM	REVTM 56R21TM REVTM 57R21TM TV46R15 TV46R19 TV47R18 TV49R17 TV49R19 TV52R79 TV54R28 TV55R15 TV55R20 TV59R16
U.S. Seed 1690 Jasmine Conway AR 72034	HALO 4:65 HALO 4:94	HALO 5:25 HALO 5:65
UniSouth Genetics, Inc. 2640-C Nolensville Rd. Nashville, TN 37211	USG 74A69R USG 74A91 USG 74C69 USG 74G78	USG 74T59 USG 75J10R USG 75J30R USG 75T18
Winfield Solutions Croplan Genetics 1409 Deering St. Cleveland, MS 38732	Croplan Genetics RC 4417RR Croplan Genetics RC 4757RR Croplan Genetics RC 4877RR	Croplan Genetics RC 5007SRR Croplan Genetics RC 5419RR Croplan Genetics RT 4539RR

Printed on Recycled Paper

Technical Advisory Committee

Reuben Moore, Chairman
Mississippi State University

Dekoka Davidson
Milburn Growers

John Hicks
Plant Breeder

Anne M. Gillen
USDA-ARS

Trey Koger
Delta Research and Extension Center

Gabe Sciumbato
Delta Research and Extension Center

Randy Vaughan
MSU Foundation Seed

Dennis Reginelli
Noxubee County Area Extension Agent IV