



Mississippi
Soybean

VARIETY TRIALS, 2014

MISSISSIPPI'S OFFICIAL VARIETY TRIALS



MISSISSIPPI AGRICULTURAL & FORESTRY EXPERIMENT STATION • GEORGE M. HOPPER, DIRECTOR

MISSISSIPPI STATE UNIVERSITY • MARK E. KEENUM, PRESIDENT • GREGORY A BOHACH, VICE PRESIDENT

TECHNICAL ADVISORY COMMITTEE

Reuben Moore, Chairman
Associate Director, MAFES
Mississippi State University

Wes Burger
Associate Director, MAFES and
Forest and Wildlife Research Center
Mississippi State University

Greg Ferguson
Industry Representative
Monsanto

Anne M. Gillen
USDA-ARS
Stoneville

Jeff Hollowell
Industry Representative
DuPont Pioneer

Trent Irby
Extension Soybean Specialist
MSU Plant and Soil Science

Mark Kurtz
Variety Trial Coordinator
Mississippi State University

Chris Ouzts
Industry Representative
Armor Seed

Dennis Reginelli
Agent IV
Noxubee County Area Extension

Jan de Regt
Producer Representative

Dennis Rowe
Statistician
MSU Experimental Statistics

Gabe Sciumbato
Plant Pathologist
Delta Research and Extension Center

Gibb Steele
Producer Representative

Randy Vaughan
Foundation Seed
Mississippi State University

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 70-72 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 70-72.

Mississippi Soybean Variety Trials, 2014

MAFES Official Variety Trial Contributors

Brad Burgess

Director, Variety Testing
Mississippi State University

Jake Bullard

Assistant Director, Variety Testing
Mississippi State University

Dan Haire

Area Extension Agent II
DeSoto County

Bisoondat Macoon

Associate Professor
and Interim Facilities Coordinator
Brown Loam Branch Experiment Station

Dennis Reginelli

Area Extension Agent IV
Noxubee County

Don Respass

County Extension Director
Coahoma County Extension Service

Dennis Rowe

Statistician, Experimental Statistics
Mississippi State University

Gabe Sciumbato

Research Professor
Delta Research and Extension Center

Mark Silva

Extension Associate III
Delta Research and Extension Center

Nick Simmons

Extension Agent I
Tippah County Extension Service

Lester Stephens

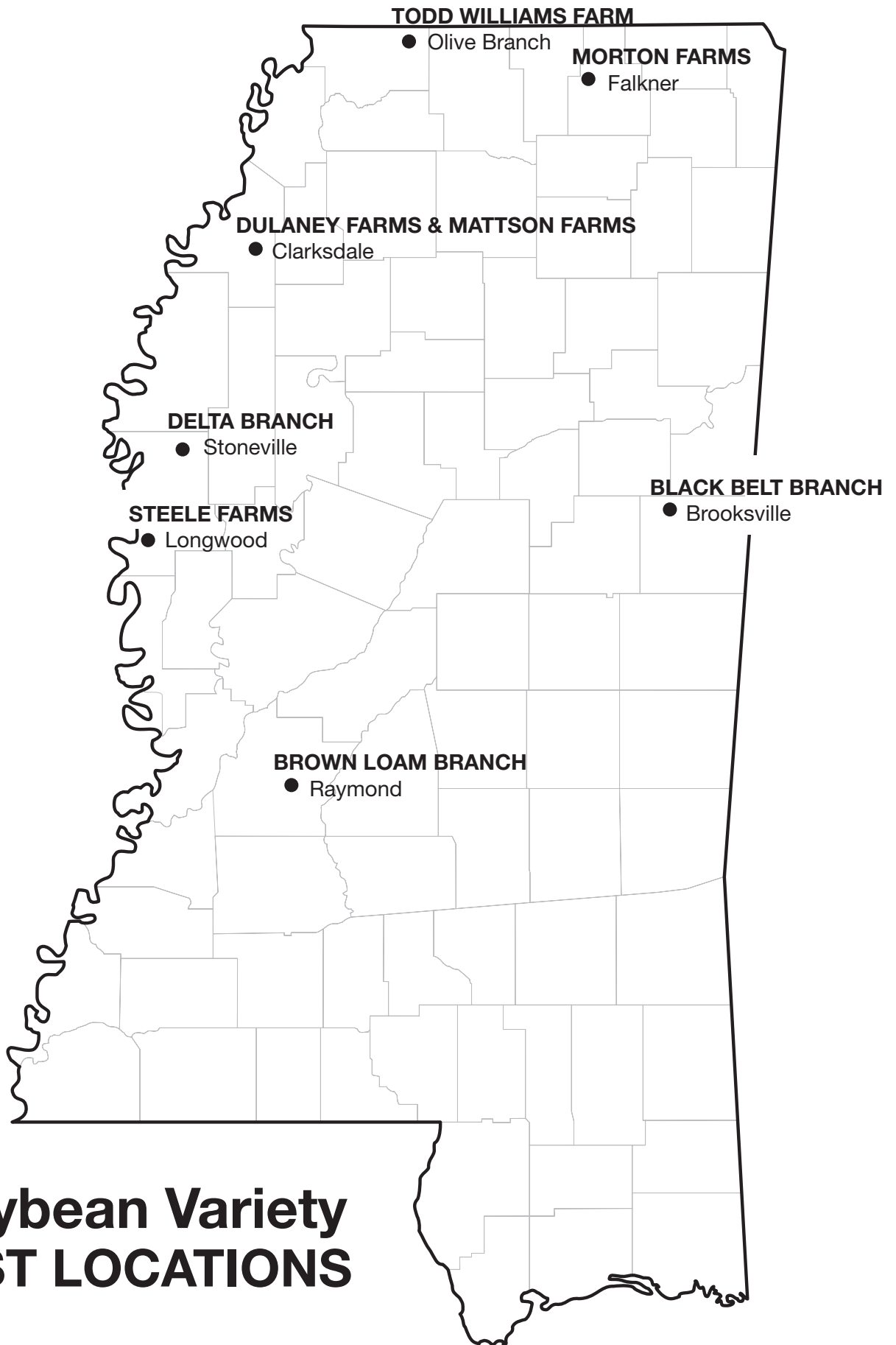
Extension Agent II
Washington County Extension Service

For more information, contact Burgess at (662) 325-7784; email, Brad.Burgess@msstate.edu. Recognition is given to Jason Hillhouse and Jerry W. Nail, research technicians for the Variety Trial Program, for their assistance in packaging, planting, harvesting, and recording plot data. This publication was prepared by Dixie Albright, office associate for MAFES Research Support Units.

This document was approved for publication as Information Bulletin 494 of the Mississippi Agricultural and Forestry Experiment Station. It was published by the Office of Agricultural Communications, a unit of the Mississippi State University Division of Agriculture, Forestry, and Veterinary Medicine.

Copyright 2015 by Mississippi State University. All rights reserved. This publication may be copied and distributed without alteration for nonprofit educational purposes provided that credit is given to the Mississippi Agricultural and Forestry Experiment Station.

Find variety trial information online at mafes.msstate.edu/variety-trials.



Soybean Variety TEST LOCATIONS

Contents

Introduction	1
Summary of Yields by Maturity Group	
Conventional Group IV	4
Conventional Group V	4
Roundup Ready Group IV & V	5
2-Year Summary of Yields by Maturity Group	
Conventional Group IV & V	9
Roundup Ready Group IV & V	9
3-Year Summary of Yields by Maturity Group	
Conventional Group IV & V	11
Roundup Ready Group IV & V	12
Results	
Delta Branch, Stoneville (clay)	
Location 1. Sharkey clay Irrigated 30" Rows	14
Roundup Ready Group IV, Irrigated	15
Roundup Ready Group V, Irrigated	18
Liberty Link Group IV and V, Irrigated	20
Delta Branch, Stoneville (loam)	
Location 1. Dundee silty clay loam Irrigated 30" Rows	22
Roundup Ready Group IV	23
Roundup Ready Group V	24
Dulaney Farms, Incorporated, Clarksdale	
Location 2. Forestdale silty clay 30" Rows	26
Roundup Ready Group IV, Irrigated	27
Roundup Ready Group V, Irrigated	28
Mattson Farms, Clarksdale	
Location 2. Dubbs very fine sandy loam 19" Rows	30
Roundup Ready Group IV Early and Group IV Late, Nonirrigated	31
Todd Williams Farm, Olive Branch	
Location 3. Collins silt loam 19" Rows	33
Roundup Ready Group IV	34
Roundup Ready Group V	35
Steele Farms, Longwood	
Location 4. Sharkey clay 30" Rows, Irrigated	37
Conventional Group IV	38
Conventional Group V	38
Roundup Ready Group IV and V	38
Liberty Link Group IV and V	41
Black Belt Branch, Brooksville	
Location 5. Brooksville silty clay 19" Rows	43
Conventional Group IV	44
Conventional Group V	44
Roundup Ready Group IV and V	44
Liberty Link Group IV and V	48
Morton Farms, Falkner	
Location 6. Falaya silt loam and Hatchie silt loam 19" Rows	50
Roundup Ready Group IV and V	51
Liberty Link Group IV and V	54
Brown Loam Branch, Raymond	
Location 7. Loring silt loam 19" Rows	55
Roundup Ready Group IV	56
Roundup Ready Group V	57
Plant Characteristics	59
2014 Soybean Variety Trial Pathology Report	64
Public Varieties Entered	70
Commercial Varieties Entered	71

Mississippi Soybean Variety Trials, 2014

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 2014 (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 19-inch row spacing. Plots were planted with a cone planter. Irrigated plots had four rows, spaced 30 inches apart; nonirrigated plots had three rows, spaced 19 inches apart. All irrigated plots were planted to a plot length of 15 feet by using a planter with a cable trip system. All nonirrigated plots were plant-

ed to a length of 18 feet. Plot ends were trimmed to a uniform length 3 to 4 weeks after emergence.

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

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

Yield. An Almaco plot combine was used to harvest each plot. Harvested seed were allowed to dry at ambient temperature to a uniform moisture content before weighing. Weights were converted to yield in bushels per acre (60 pounds per bushel) at 13% moisture.

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

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

How to Select Varieties

In Problem or Difficult Fields

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

(2) Use Tables 81 to 96 to select varieties for fields that need disease resistance.

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

In Nonproblem Fields

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

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

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

Planting Date and Maturity Date

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

planting of all acreage is encouraged to reduce risk from drought and obtain higher yields.

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

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

Herbicide-Resistant Varieties

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

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

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

General Characteristics of Varieties

Soybean varieties differ in significant characteristics that may not affect their performance. Tables 65 to 70 give the general characteristics of most varieties grown in Mississippi.

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

Seed Size. There is no relationship between inherited seed size and seed yield. A small-seeded variety may yield as much as or more than a large-seeded variety. The average seed per pound for different varieties is shown in Tables 81 to 96, 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.

Maturity Group. Within the Maturity Group IV trials, the wide variation in maturity dates is attributed to lack of rigid standards for classifying varieties within a group. It

was decided to subdivide both the Group IV and Group V trials into two maturity groups. All maturity groups were assigned an early- and late-maturity check:

Conventional Test		
Maturity Group	Check	
Group IV	DK 4744	
Group V	R2C5081	
Roundup Ready Test		
Maturity Group	Early Check	Late Check
Group IV Early		DK 4744
Group IV Late	AG4632	DK 4744
Group V Early	AG5332	AG5831
Group V Late	AG5831	
Liberty Link		
	Check	
Group IV	DG 4967LL	
Group V	P 4560LL	

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
<i>Abe</i>	40 bu/A
<i>Bill</i>	35 bu/A
<i>Charlie</i>	31 bu/A
LSD	7 bu/A

The difference between variety Abe and variety Bill is 5 bushels per acre (40 - 35 = 5). This difference is smaller than the LSD (7 bushels per acre). Consequently, it is concluded that variety Abe and variety Bill have the same

yield potential, since the observed difference occurred purely due to chance.

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

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

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

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

Table 1. Summary of Yields for Maturity Group IV Conventional for the 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Longwood Irr. (Delta)	Brookville Nonirr. (Hills)	Overall average
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
MPG	483C	51.6	55.3	53.5
Univ. of Arkansas	<i>R05-3239</i>	46.3	52.5	49.4
Univ. of Arkansas	<i>R08-2797</i>	36.5	50.5	43.5
Univ. of Arkansas	<i>R09-4571</i>	37.1	55.5	46.3
Univ. of Missouri	<i>S09-6262</i>	42.0	51.5	46.8
Univ. of Missouri	<i>S11-20356</i>	53.9	64.4	59.2
USG	Ellis	44.2	53.6	48.9
Mean		44.5	54.8	49.7
LSD (.10)		9	7	
Error df		12	12	
CV		13.8	8.8	
R ²		67.4	62.2	

¹Variety in italics denotes an experimental entry.

Table 2. Summary of Yields for Maturity Group V Conventional for the 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Longwood Irr. (Delta)	Brookville Nonirr. (Hills)	Overall average
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Stratton Seed	Leland	55.9	50.3	53.1
Univ. of Arkansas	<i>R05-374</i>	45.4	50.4	47.9
Univ. of Arkansas	Osage	51.5	44.5	48.0
Univ. of Arkansas	Ozark	49.5	45.6	47.5
Univ. of Arkansas	<i>R09-430</i>	45.9	53.4	49.6
Univ. of Arkansas	UA 5213C	47.4	48.4	47.9
Univ. of Arkansas	UA 5612	59.5	50.5	55.0
Univ. of Missouri	<i>S11-20124</i>	64.5	49.4	57.0
USDA-ARS	<i>JTN-5110</i>	55.7	56.7	56.2
Mean		52.8	49.9	51.4
LSD (.10)		9.5	7.2	
Error df		16	16	
CV		12.6	10.1	
R ²		67.6	50.7	

¹Variety in italics denotes an experimental entry.

Table 3. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brookville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	43-R43	67.1	72.7	28.0	70.1	57.9	78.4	62.4	51.8	55.4	37.9	74.7	54.9	59.4
Armor	44-R08	73.1	61.0	33.3	82.9	65.0	97.9	68.9	54.7	61.0	55.1	84.7	63.9	66.9
Armor	46-R65	69.5	82.7	43.3	79.2	74.8	86.9	72.7	59.0	78.4	66.0	88.4	73.0	72.8
Armor	<i>AX4430</i>	72.8	67.4	32.1	78.1	64.7	87.9	67.2	54.3	75.6	64.4	79.6	68.5	67.7
Armor	<i>AX4440</i>	68.1	64.7	35.9	74.4	65.0	77.7	64.3	40.6	55.5	49.3	82.6	57.0	61.4
Armor	<i>AX4450</i>	72.0	76.7	43.6	78.7	67.6	85.6	70.7	58.6	67.3	57.7	82.5	66.5	69.0
Armor	<i>AX4460</i>	75.4	76.9	48.3	84.6	69.2	86.2	73.4	54.1	74.6	59.0	98.5	71.5	72.7
Asgrow	AG4135	64.9	59.0	33.7	72.0	60.5	75.8	61.0	46.2	65.2	58.3	84.0	63.4	61.9
Asgrow	AG4232	62.7	75.7	43.8	73.8	58.2	81.1	65.9	51.9	58.6	54.0	69.8	58.6	63.0
Asgrow	AG4533	85.8	69.5	48.6	84.3	62.7	93.7	74.1	57.8	60.6	51.4	89.1	64.7	70.4
Asgrow	AG 4534	70.9	67.4	41.8	71.6	55.9	84.8	65.4	53.4	54.9	60.3	79.5	62.0	64.0
Asgrow	AG4632	90.9	66.2	61.6	86.1	60.6	91.0	76.1	56.7	74.9	55.5	103.0	72.5	74.6
Croplan	R2C 4541	90.0	84.0	50.6	82.5	74.6	97.5	79.9	59.2	59.0	64.3	96.0	69.6	75.8
Delta Grow	4670RR2	79.3	74.4	48.9	84.1	65.2	85.5	72.9	52.4	61.2	55.6	98.7	67.0	70.5
Delta Grow	DG 4685RR2	77.6	68.3	39.2	76.6	63.3	86.2	68.5	58.9	72.5	63.2	75.3	67.5	68.1
Dyna-Gro	31RY45	84.5	77.7	56.3	82.4	69.3	92.5	77.1	60.5	78.4	67.1	96.2	75.6	76.5

¹Variety in italics denotes an experimental entry.

Table 3 (cont.). Summary of Yields for Maturity Group IV Early Roundup Ready for the 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
Dyna-Gro	S43RY95	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Dyna-Gro	S46RY85	71.8	70.8	42.8	81.3	68.2	88.4	70.5	58.4	62.6	64.8	86.8	68.2	69.6
Hornbeck	HBK RY4620	62.8	73.6	48.0	70.8	58.4	76.8	65.1	48.6	72.4	59.6	66.0	61.6	63.7
Morsoy Xtra	44X82	78.7	66.3	45.8	73.0	67.6	85.6	69.5	55.7	62.6	49.2	74.3	60.4	65.9
Morsoy Xtra	46X04	73.0	69.3	41.4	82.0	64.9	84.5	69.2	60.6	54.1	65.0	73.9	63.4	66.9
Mycogen	5N451R2	87.5	69.0	52.3	85.0	68.1	95.0	76.1	53.5	70.6	55.5	101.7	70.3	73.8
Mycogen	5N452R2	85.7	74.1	58.3	79.2	71.3	98.9	77.9	59.9	72.0	55.4	95.9	70.8	75.1
NK Brand	S45-V8	71.6	73.3	55.9	77.3	68.4	83.6	71.7	47.3	53.4	60.0	74.3	58.8	66.5
NK Brand	S46-L2	70.1	76.3	55.0	74.4	65.9	86.1	71.3	54.8	60.0	60.3	83.1	64.6	68.6
Progeny	P4211RY	68.4	60.1	33.2	76.3	70.9	85.7	65.8	50.2	68.8	50.3	79.0	62.1	64.3
Progeny	P4510 RYS	64.8	71.4	53.9	71.3	69.3	88.2	69.8	53.1	59.4	63.3	73.5	62.3	66.8
Progeny	P4440 RY	70.8	68.4	35.5	80.2	61.0	91.9	68.0	55.1	62.8	54.0	71.7	60.9	65.1
Progeny	P4613 RYS	81.0	71.3	48.3	79.0	67.1	93.0	73.3	57.1	62.3	61.2	94.8	68.8	71.5
REV	46R64T	67.6	78.9	44.9	80.1	66.2	81.9	69.9	50.0	57.0	58.1	80.1	61.3	66.5
Steyer	4303R2	72.7	74.9	46.9	76.6	68.2	92.0	71.9	55.2	58.8	52.5	84.6	62.8	68.2
USG	74F24RS	67.5	80.7	45.4	75.7	67.3	92.4	71.5	57.4	54.8	53.7	84.0	62.5	67.9
USG	74F53R	66.6	60.7	48.8	71.4	65.1	84.4	66.2	45.0	62.5	55.0	72.0	58.6	63.1
Mean		74	71.3	54.6	78	65.9	87.4	70.3	54.2	64.5	56.9	84	64.9	68.1
LSD (.10)		10.1	11.5	10.1	5	7.8	9.8		6.5	13.6	10.9	13.2		
Error df		64	64	64	64	64	64		64	64	64	64		
CV		10	11.8	16.4	4.6	8.7	8.1		8.7	15.5	14.1	11.5		
R ²		65.7	50	67	73.3	50.3	51.5		61.3	54.4	60.9	64.3		

¹Variety in italics denotes an experimental entry.

Table 4. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
Armor	47-R13	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	48-R66	70.9	60.4	38.5	81.9	80.3	76.6	68.1	49.0	71.2	64.6	77.3	65.5	67.1
Armor	49-R56	78.9	56.3	58.0	80.4	81.1	90.8	74.3	59.8	75.2	68.8	80.0	71.0	72.9
Armor	AX 4470	70.6	66.9	63.8	78.5	74.4	88.4	73.8	58.4	80.6	60.9	80.4	70.1	72.3
Armor	AX 4471	79.0	78.1	60.6	75.7	71.1	78.2	73.8	57.2	73.4	63.9	74.3	67.2	71.1
Armor	AX 4480	63.5	66.1	50.9	67.7	69.1	67.6	64.2	55.8	72.8	60.1	71.2	65.0	64.5
Armor	AX 4490	66.7	49.4	53.1	69.1	73.2	75.6	64.5	55.4	78.8	60.6	70.8	66.4	65.3
Armor	DK4744	76.0	59.6	49.7	72.3	74.0	82.6	69.0	52.8	68.9	65.8	73.2	65.2	67.5
Asgrow	AG4835	75.5	85.3	46.3	79.4	67.3	85.8	73.3	51.4	95.9	70.0	82.6	74.9	73.9
Asgrow	AG4934	67.8	59.3	55.2	76.5	70.0	81.5	68.4	54.0	78.0	72.4	64.2	67.2	67.9
Croplan	R2C 4873	61.8	72.6	40.2	82.6	76.8	78.4	68.7	50.3	65.4	61.4	74.4	62.9	66.4
Croplan	R2C 4752S	78.6	57.8	51.2	81.0	78.8	79.6	71.2	59.5	89.7	68.3	89.5	76.8	73.4
Delta Grow	DG 4755 RR2	72.8	62.5	44.5	79.8	76.0	76.3	68.6	55.8	80.4	70.7	82.9	72.4	70.2
Delta Grow	DG 4765 RR2/STS	78.6	57.6	51.0	79.1	71.2	80.6	69.7	63.8	89.6	73.6	73.5	75.1	71.9
Delta Grow	DG 4775 RR2/STS	67.5	58.0	58.6	72.7	69.1	89.4	69.2	60.7	79.0	68.4	82.4	72.6	70.6
Delta Grow	DG 4825 RR2/STS	68.8	73.4	53.3	80.3	75.0	92.4	73.9	49.0	70.4	66.2	82.7	67.1	71.2
Delta Grow	DG 4880RR	81.0	86.6	48.6	78.5	70.6	83.1	74.7	45.6	77.5	53.5	108.0	71.2	73.3
Delta Grow	DG 4925 RR2	74.3	56.3	54.0	71.5	69.4	71.4	66.1	44.6	81.7	74.1	73.2	68.4	67.0
Delta Grow	DG 4930 RR2/STS	66.2	61.5	56.0	76.4	66.3	83.3	68.3	49.9	74.1	64.4	57.5	61.5	65.6
Delta Grow	DG 4970RR	72.9	69.4	41.2	72.1	73.6	76.3	67.6	49.0	72.8	53.7	96.5	68.0	67.7
Delta Grow	DG 4985RR2	73.8	53.3	49.9	76.6	67.5	87.5	68.1	55.8	79.5	67.7	68.9	68.0	68.0
Delta Grow	DG 4940RR	45.5	55.6	64.0	70.6	68.3	82.4	64.4	33.3	86.6	66.8	73.3	65.0	64.6
Dyna-Gro	DG 37RY47	74.4	69.0	56.8	73.0	79.6	77.1	71.7	52.2	78.4	68.2	85.3	71.0	71.4
Dyna-Gro	S47RY13	70.9	57.8	42.6	81.3	83.1	87.2	70.5	58.4	74.7	70.7	68.8	68.2	69.6
Dyna-Gro	S48RS53	75.2	74.2	47.6	79.8	76.1	84.5	72.9	54.1	79.8	77.1	66.9	69.5	71.5
Dyna-Gro	S49RY25	74.2	80.3	49.8	78.2	69.9	83.4	72.6	53.8	79.1	58.6	86.0	69.4	71.3
Dyna-Gro	SX14847RS	72.9	71.3	55.8	78.5	74.1	91.3	74.0	60.0	78.0	67.8	72.4	69.6	72.2
Great Heart	GT476CR2	76.9	59.6	49.3	81.4	79.9	82.3	71.6	59.3	74.6	65.9	87.3	71.8	71.6
Great Heart	GT482 CR2	73.5	53.4	54.4	74.3	72.3	87.9	69.3	54.9	66.2	68.8	76.7	66.7	68.2
Hornbeck	CZ 4959 RY	60.3	53.1	42.4	70.0	62.8	69.7	59.7	49.9	72.0	63.6	81.6	66.8	62.5

¹Variety in italics denotes an experimental entry.

Table 4 (cont.). Summary of Yields for Maturity Group IV Late Roundup Ready for the 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
Hornbeck	HBK RY4721	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Morsoy Xtra	47X12	75.5	61.0	52.7	75.1	76.5	84.0	70.8	60.9	84.7	73.7	79.6	74.8	72.4
Morsoy Xtra	48X02	79.9	68.5	49.5	81.7	82.4	85.7	74.6	59.4	75.5	70.7	74.4	70.0	72.8
Morsoy Xtra	48X34	62.8	54.6	58.6	75.9	62.5	78.5	65.5	54.6	75.9	68.3	72.0	67.7	66.4
Morsoy Xtra	49X54	72.7	45.3	51.8	75.5	78.3	84.1	67.9	59.8	79.9	65.1	81.8	71.6	69.4
MPG	MPG 4714 NRR	62.1	74.8	50.6	73.3	68.4	73.7	67.2	56.3	77.0	56.6	92.9	70.7	68.6
Mycogen	5N478R2	75.8	65.8	51.5	81.1	79.5	85.5	73.2	54.6	73.9	58.5	81.3	67.1	70.8
Mycogen	5N479R2	73.6	86.2	43.9	86.9	76.7	84.6	75.3	60.0	78.0	64.4	78.9	70.3	73.3
Mycogen	<i>MYCX 54490 NR2</i>	73.3	55.1	47.0	79.9	73.6	78.7	67.9	62.2	86.9	69.2	83.8	75.5	71.0
NK Brand	S47-K5	78.8	54.0	49.2	72.9	81.5	79.3	69.3	59.1	81.1	70.8	80.0	72.7	70.7
Progeny	P4747RY	54.5	68.0	45.1	78.8	70.1	68.9	64.2	52.4	79.9	67.3	82.7	70.6	66.8
Progeny	P4788RY	78.3	57.0	49.1	83.3	81.3	90.4	73.2	56.9	76.0	71.1	95.3	74.8	73.9
Progeny	P4848RYS	80.0	55.8	63.4	72.5	72.3	89.0	72.2	56.3	72.5	68.4	71.5	67.2	70.2
Progeny	P4850RYS	71.4	66.4	45.7	76.3	75.6	82.8	69.7	59.0	82.4	69.0	74.9	71.3	70.4
Progeny	P4900RY	77.7	55.3	51.1	78.0	71.6	87.0	70.1	54.5	70.2	67.9	77.4	67.5	69.1
REV	47R34	77.6	79.7	46.2	80.6	81.9	75.2	73.6	65.9	74.0	66.1	102.0	77.0	74.9
REV	47R53	67.7	73.0	53.0	79.4	78.8	75.8	71.3	62.1	74.2	64.9	94.0	73.8	72.3
REV	48R22	68.7	71.2	42.8	75.5	74.1	76.4	68.1	49.8	73.5	60.1	87.4	67.7	67.9
REV	48R44	61.6	64.8	50.8	80.8	74.6	82.1	69.1	58.0	74.5	65.8	98.3	74.1	71.1
REV	49R94	71.3	71.2	54.9	82.2	73.5	80.8	72.3	56.5	74.6	57.2	90.2	69.6	71.2
REV	49A55	74.3	73.2	52.9	72.0	70.6	82.1	70.9	54.0	91.2	74.7	70.9	72.7	71.6
USG	74B83R	72.9	64.4	34.8	79.2	84.5	74.3	68.3	58.1	81.6	66.5	91.5	74.4	70.8
USG	74B94RS	69.6	47.9	44.8	67.9	68.9	75.4	62.4	50.6	71.2	55.4	69.6	61.7	62.1
Mean		71.5	64	50.4	77.1	74	81		55.2	77.5	66	80	69.8	69.7
LSD (.10)		7.6	11.9	8.4	5.7	11.7	8		6.9	11	7.8	14.2		
Error df		104	104	104	104	104	104		104	104	104	104		
CV		7.9	13.7	12.4	5.5	7.7	7.3		9.2	10.5	8.8	13		
R ²		70.9	68	68.4	61.7	55.6	61.5		67.1	46.5	73.4	60.8		

¹Variety in italics denotes an experimental entry.

Table 5. Summary of Yields for Maturity Group V Early Roundup Ready for the 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
Armor	50-R44	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	51-R50	78.4	62.8	78.7	90.2	77.5	49.8	43.2	75.4	79.0	61.8	69.7
Armor	53-R16	77.1	63.1	82.5	84.9	76.9	52.5	70.8	80.5	71.5	68.8	72.9
Armor	<i>AX4500</i>	76.3	49.4	71.2	85.1	70.5	51.9	68.9	69.1	82.5	68.1	69.3
Armor	<i>AX4520</i>	72.6	61.9	82.8	90.1	76.8	56.8	63.9	76.0	83.2	70.0	73.4
Asgrow	AG5335	81.2	60.9	77.4	85.0	76.1	43.8	58.0	68.7	63.8	58.6	67.4
Asgrow	AG5535	78.5	73.7	83.8	86.6	80.6	52.3	64.5	79.2	86.9	70.7	75.7
Asgrow	AG5233	64.8	45.3	74.6	74.2	64.7	38.3	55.5	60.6	67.5	55.5	60.1
Asgrow	AG5332	71.8	49.5	76.4	91.4	72.3	54.4	41.3	61.4	75.4	58.1	65.2
Asgrow	AG5533	82.6	68.6	88.2	97.5	84.2	50.0	81.6	79.6	67.6	69.7	77.0
Croplan	R2C 5081	83.6	71.3	82.4	91.4	82.2	55.4	79.5	73.9	75.6	71.1	76.6
Delta Grow	DG 5230 RR2	73.3	65.6	85.2	90.1	78.5	59.9	59.9	70.6	79.2	67.4	73.0
Delta Grow	DG 5475RR2	61.7	49.1	77.0	78.8	66.7	48.7	67.4	60.9	63.2	60.1	63.4
Delta Grow	DG 5480RR2	78.7	51.9	87.0	90.2	77.0	48.0	70.6	72.7	58.7	62.5	69.7
Delta Grow	DG 5556RR	80.9	72.8	78.4	82.9	78.8	50.8	64.9	82.8	76.7	68.8	73.8
Delta Grow	DG 5575RR2	50.8	65.5	81.4	84.9	70.6	53.0	68.3	63.0	64.1	62.1	66.4
Dyna-Gro	32RY55	76.6	65.4	82.6	80.5	76.3	58.0	64.2	86.1	73.0	70.3	73.3
Dyna-Gro	S52RY75	79.5	50.0	87.4	95.5	78.1	59.4	66.3	70.4	65.4	65.4	71.8
Dyna-Gro	S54RY43	72.1	54.0	79.6	84.2	72.5	50.8	71.9	70.1	71.4	66.1	69.3
Dyna-Gro	S56RY84	74.4	72.0	89.1	93.1	82.2	51.5	72.8	78.1	74.0	69.1	75.6
Great Heart Seed	GT-500CR2S	68.7	40.1	69.3	75.6	63.4	49.5	42.4	66.1	78.1	59.0	61.2
Great Heart Seed	GT516CR2	82.4	56.7	78.9	85.3	75.8	54.0	62.5	65.0	59.2	60.2	68.0
Hornbeck	HBK RY5221	76.6	53.8	75.4	77.9	70.9	44.6	61.9	63.1	68.5	59.5	65.2
Hornbeck	HBK RY5421	78.1	56.6	84.6	88.8	77.0	43.2	69.2	67.9	76.4	64.2	70.6
Morsoy Xtra	51X31	82.3	61.0	84.3	88.1	78.9	52.2	67.3	72.0	76.1	66.9	72.9

¹Variety in italics denotes an experimental entry.

Table 5 (cont.). Summary of Yields for Maturity Group V Early Roundup Ready for the 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
Morsoy Xtra	53X82	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Morsoy Xtra	54X41	77.2	65.9	82.7	82.3	77.0	51.5	69.5	65.1	56.8	60.7	68.9
Morsoy Xtra	56X02	83.5	69.1	81.9	82.0	79.1	49.3	61.3	75.8	63.1	62.4	70.7
MPG	5214NRR	75.2	79.1	72.5	81.6	77.1	46.1	73.5	72.9	43.6	59.0	68.1
MPG	5314 NRR	77.8	73.8	78.9	84.8	78.8	43.0	71.9	70.6	62.3	62.0	70.4
Mycogen	5N540R2	53.5	52.8	70.9	70.4	61.9	50.5	49.0	65.3	69.9	58.7	60.3
Mycogen	5N550R2	71.4	44.5	68.5	80.4	66.2	52.3	63.3	72.8	64.4	63.2	64.7
Mycogen	5N522 R2	81.7	71.1	90.9	88.2	83.0	52.2	64.4	83.2	70.3	67.5	75.3
NK Brand	S51-C5	78.8	65.1	85.5	90.9	80.1	55.5	64.8	70.2	75.6	66.5	73.3
NK Brand	S52-Y2	62.3	61.8	70.9	77.0	68.0	50.5	74.4	65.1	54.8	61.2	64.6
NK Brand	S55-Q3	70.3	47.2	70.7	84.6	68.2	52.6	68.4	72.7	69.0	65.7	66.9
Progeny	P5213RY	83.0	86.0	85.8	92.2	86.7	58.5	70.1	78.8	92.9	75.1	80.9
Progeny	P5333RY	53.9	49.9	71.1	82.4	64.3	49.3	55.5	59.1	64.1	57.0	60.7
Progeny	P5555RY	82.4	58.0	73.2	84.7	74.6	48.6	67.0	70.6	79.0	66.3	70.4
Progeny	P5610RY	85.9	76.0	86.1	88.8	84.2	54.5	63.7	74.0	76.0	67.1	75.6
REV	51R53	83.4	63.4	78.1	81.5	76.6	49.3	58.6	77.6	70.2	63.9	70.3
REV	54R84	73.2	50.9	75.3	82.7	70.5	58.0	57.7	68.4	69.3	63.3	66.9
REV	55R53	82.2	67.9	77.5	85.8	78.3	45.4	67.0	68.0	72.2	63.2	70.7
REV	56R63	76.9	71.6	80.1	83.4	78.0	58.6	69.6	74.0	73.3	68.9	73.4
REV	52A94	89.6	70.1	81.9	88.0	82.4	55.4	75.0	79.1	89.0	74.6	78.5
REV	52R74	86.2	62.4	75.3	89.0	78.2	50.3	52.5	70.2	78.8	62.9	70.6
U. of Arkansas	<i>R04-1250RR</i>	70.3	56.1	73.6	74.0	68.5	39.2	51.8	68.2	66.8	56.5	62.5
U. of Arkansas	<i>R04-1268RR</i>	72.3	56.4	74.8	72.8	69.1	49.9	61.9	70.2	70.5	63.1	66.1
U. of Arkansas	<i>R10-130RY</i>	65.5	40.1	70.2	72.0	61.9	41.9	62.4	61.0	65.4	57.7	59.8
U. of Arkansas	<i>R10-197RY</i>	70.4	61.5	74.5	85.7	73.0	56.0	59.0	65.2	68.7	62.2	67.6
U. of Arkansas	<i>R10-428RY</i>	73.0	65.1	77.4	86.8	75.6	50.8	81.8	68.9	84.4	71.5	73.5
U. of Arkansas		72.7	48.8	72.5	84.9	69.7	39.2	38.9	60.1	53.5	47.9	58.8
Mean		74.9	60.6	78.6	84.5	74.7	50.6	63.6	70.6	70.8	63.9	69.3
LSD (.10)		8.1	7.9	6.3	5.9		8.1	10.8	8.5	12		
Error df		100	100	100	100		100	100	100	100		
CV		8	9.7	5.9	5.2		11.8	12.6	8.9	12.5		
R ²		76.9	83	70.3	74.3		54.8	69	74.5	67.8		

¹Variety in italics denotes an experimental entry.

Table 6. Summary of Yields for Maturity Group V Late Roundup Ready for the 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
Asgrow	AG5935	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Asgrow	AG5831	69.8	63.2	66.9	66.9	66.7	36.7	70.9	73.4	54.7	58.9	54.4
Dyna-Gro	39RY57	68.2	61.3	79.1	85.1	73.4	44.6	63.9	74.0	49.1	57.9	55.0
REV	57R21	80.7	70.2	84.7	89.3	81.2	57.9	69.1	78.6	70.2	68.9	63.9
Univ. of Arkansas	<i>R07-6614RR</i>	87.9	73.9	82.7	97.6	85.5	50.9	79.1	68.7	48.6	61.8	61.5
Univ. of Arkansas		66.9	77.0	72.8	77.6	73.6	39.5	69.7	67.4	59.6	59.0	56.6
Mean		74.7	69.1	77.2	83.3	76.1	45.9	70.5	72.4	56.4	61.3	58.3
LSD (.10)		10.9	9	5.8	11.1		7.8	9.5	11.6	10.2		
Error df		8	8	8	8		8	8	8	8		
CV		9.7	8.7	5	8.9		11.3	8.9	10.5	12		
R ²		72.4	71.7	84.9	79.1		80.6	73.8	58.5	78.8		

¹Variety in italics denotes an experimental entry.

Table 7. Summary of Yields for Maturity Group IV Liberty Link for the 2014 Mississippi Soybean Variety Trials

Brand	Variety ¹	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.		Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Delta Grow	DG 4767LL/STS	62.4	68.3	65.4	37.4	56.6	47.0		56.2
Delta Grow	DG 4867LL	43.6	69.4	56.5	49.8	56.7	53.3		54.9
Delta Grow	DG 4967LL	67.1	75.2	71.2	47.1	68.6	57.8		64.5
Delta Grow	DG 4981LL/STS	56.2	66.0	61.1	44.1	57.5	50.8		55.9
Delta Grow	DG 4990LL	52.2	72.2	62.2	43.5	51.8	47.7		55.0
Dyna-Gro	S49LL34	67.6	77.8	72.7	46.5	69.4	57.9		65.3
Dyna-Gro	S49LS65	56.6	73.5	65.1	32.6	69.1	50.8		58.0
GoSoy	4713	54.0	66.0	60.0	40.4	64.8	52.6		56.3
GoSoy	4914	54.2	73.7	63.9	34.2	63.9	49.1		56.5
Halo	4:40	24.1	62.2	43.2	34.4	45.4	39.9		41.5
Halo	4:76	37.1	71.7	54.4	53.5	52.2	52.9		53.6
Halo	4:94	54.4	73.0	63.7	45.0	61.2	53.1		58.4
Halo	4:95	46.3	65.2	55.8	49.9	61.0	55.5		55.6
Halo	4:97	56.6	69.7	63.2	41.1	62.1	51.6		57.4
Halo	X448	47.2	68.5	57.8	46.5	53.0	49.7		53.8
Halo	X449	53.1	67.2	60.2	46.4	72.3	59.3		59.8
Hornbeck	<i>CZ 4748 LL</i>	48.6	77.3	63.0	49.8	45.6	47.7		55.3
Hornbeck	HBK LL4953	58.7	80.5	69.6	46.5	65.4	56.0		62.8
Hornbeck	LL 4650	32.5	63.7	48.1	46.6	47.8	47.2		47.7
Hornbeck	LL 4850	31.6	60.9	46.3	49.5	63.1	56.3		51.3
Hornbeck	LL 4950	59.4	78.5	68.9	52.6	64.0	58.3		63.6
Progeny	P 4620 LLS	49.2	68.1	58.6	39.6	56.3	47.9		53.3
Progeny	P4560LL	26.2	67.7	47.0	41.0	52.3	46.6		46.8
Progeny	P4819LL	44.0	69.6	56.8	54.3	53.6	53.9		55.4
Progeny	P4928LL	54.4	77.6	66.0	33.9	73.3	53.6		59.8
Progeny	P4930LL	64.1	80.7	72.4	49.9	74.3	62.1		67.3
REV	49L29	64.3	79.5	71.9	39.8	68.8	54.3		63.1
USG	74G74LS	57.7	68.1	62.9	40.9	63.7	52.3		57.6
Mean		50.8	71.1	61.0	44.2	60.5	52.3		56.7
LSD (.10)		7.6	5.5		11.1	11.4			
Error df		54	54		54	54			
CV		10.9	5.6		18.3	13.8			
R ²		87.5	76.3		50.5	60.9			

¹Variety in italics denotes an experimental entry.

Table 8. Summary of Yields for Maturity Group V Liberty Link for the 2014 Mississippi Soybean Variety Trials

Brand	Variety ¹	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.		Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Delta Grow	DG 5067 LL	72.5	67.5	70.0	50.0	71.7	60.8		65.4
Delta Grow	DG 5367LL	58.9	70.3	64.6	45.9	75.7	60.8		62.7
Delta Grow	DG 5461LL	55.3	62.6	59.0	33.5	51.7	42.6		50.8
Delta Grow	DG 5481LL	36.7	64.5	50.6	38.8	66.9	52.9		51.7
GoSoy	5214	61.9	73.2	67.5	36.9	60.0	48.5		58.0
Halo	5:01	65.5	73.5	69.5	47.6	72.4	60.0		64.8
Halo	5:25	63.2	59.5	61.3	44.8	57.9	51.3		56.3
Halo	5:26	57.4	69.5	63.4	36.1	67.7	51.9		57.7
Halo	5:45	33.3	63.9	48.6	43.0	48.5	45.7		47.2
Halo	X451	66.5	69.7	68.1	48.9	66.0	57.4		62.7
Halo	X452	66.1	69.7	67.9	39.6	61.1	50.4		59.1
Hornbeck	5242LL	65.6	71.2	68.4	35.6	71.9	53.7		61.0
Hornbeck	<i>CZ 5150 LL</i>	65.6	70.8	68.2	36.6	66.4	51.5		59.9
Progeny	P5160LL	41.8	67.7	54.8	41.3	45.4	43.4		49.1
Progeny	P5220LLS	61.0	69.4	65.2	32.2	54.9	43.6		54.4
Progeny	P5460LL	59.0	73.5	66.2	31.8	57.0	44.4		55.3
Progeny	P5960LL	40.1	65.3	52.7	46.0	54.0	50.0		51.3
REV	55L95	62.0	69.1	65.5	33.2	61.1	47.2		56.3
Mean		57.3	68.4	62.9	40.1	61.7	50.9		56.9
LSD (.10)		12.2	7.8		12.3	10			
Error df		34	34		34	34			
CV		15.5	8.3		22.2	11.7			
R ²		72.4	63.5		44.2	74			

¹Variety in italics denotes an experimental entry.

Table 9. Summary of 2-Year Yields for Maturity Group IV Conventional for the 2013 and 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Longwood Irr. (Delta)	Brookville Nonirr. (Hills)	Overall average
Univ. of Arkansas	<i>R05-3239</i>	<i>bu/A</i> 64.1	<i>bu/A</i> 49.3	<i>bu/A</i> 56.7

¹Variety in italics denotes an experimental entry.

Table 10. Summary of 2-Year Yields for Maturity Group V Conventional for the 2013 and 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Longwood Irr. (Delta)	Brookville Nonirr. (Hills)	Overall average
Stratton Seed	Leland	<i>bu/A</i> 65.7	<i>bu/A</i> 51.7	<i>bu/A</i> 58.7
Univ. of Arkansas	<i>R05-374</i>	61.1	50.2	55.7
Univ. of Arkansas	Osage	66.0	46.0	56.0
Univ. of Arkansas	Ozark	65.6	43.3	54.5
Univ. of Arkansas	UA 5213C	69.5	52.9	61.2
Overall Mean		65.6	48.8	57.2

¹Variety in italics denotes an experimental entry.

Table 11. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2013 and 2014 Mississippi Soybean Variety Trials

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brookville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	43-R43	49.9	62.9	50.8	77.5	43.1	90.0	62.4	54.3	60.6	65.9	55.6	59.1	61.1
Armor	44-R08	54.3	61.5	50.7	81.5	49.4	99.4	66.1	58.0	69.5	78.5	56.5	65.6	65.9
Armor	46-R65	62.1	72.3	61.9	88.4	55.0	95.0	72.4	56.1	77.7	81.9	66.4	70.5	71.7
Asgrow	AG4232	50.8	68.6	59.7	78.6	47.1	91.8	66.1	53.3	60.0	72.9	51.3	59.4	63.4
Asgrow	AG4533	66.8	66.2	61.4	88.2	50.9	99.6	72.2	57.2	75.0	74.7	67.9	68.7	70.8
Asgrow	AG4632	76.7	68.5	72.8	89.2	48.6	98.1	75.6	55.8	82.3	80.4	76.4	73.8	74.9
Croplan	R2C 4541	71.6	78.1	66.8	86.1	51.5	97.8	75.3	58.6	73.0	80.8	69.1	70.4	73.3
Delta Grow	4670RR2	66.5	61.0	64.1	84.7	51.7	95.9	70.6	55.9	80.8	71.8	71.4	69.9	70.4
Dyna-Gro	31RY45	68.5	72.0	65.8	85.0	51.6	100.3	73.9	59.2	87.1	80.5	73.4	75.1	74.3
Hornbeck	HBK RY4620	58.2	73.0	63.2	80.0	48.1	88.9	68.5	52.6	66.7	80.0	55.8	63.8	66.6
Morsoy Xtra	44X82	63.2	58.3	58.3	81.1	52.9	92.0	67.6	55.7	61.0	71.7	51.3	59.9	64.6
Mycogen	5N451R2	75.3	67.2	67.8	90.7	49.1	101.5	75.3	58.9	84.3	79.1	70.0	73.1	74.4
NK Brand	S46-L2	65.3	65.9	70.8	83.1	49.8	93.7	71.4	63.4	61.8	77.2	60.6	65.8	69.2
Progeny	P4211RY	56.5	61.5	58.5	83.1	50.8	95.4	67.6	53.7	76.6	75.3	53.8	64.9	66.5
Progeny	P4510 RYS	57.5	67.0	61.8	80.5	52.2	94.4	68.9	52.9	64.7	79.0	61.3	64.5	67.1
Progeny	P4613 RYS	56.5	68.8	64.8	88.0	54.5	97.2	71.6	57.8	72.6	82.7	72.7	71.5	71.6
REV	46R64	58.5	66.3	63.2	81.2	49.7	91.1	68.4	54.0	68.0	76.9	65.0	66.0	67.4
USG	74F53R	58.9	55.5	60.8	75.1	48.2	89.3	64.6	50.4	69.3	72.9	51.9	61.1	63.2
Overall Mean		62.1	66.4	62.4	83.4	50.2	95.1	69.9	56.0	71.7	76.8	62.8	66.8	68.7

Table 12. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2013 and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brookville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	47-R13	68.5	56.6	63.4	83.3	56.5	85.3	68.9	61.7	80.2	78.0	63.6	70.9	69.7
Armor	48-R66	72.0	66.2	57.3	89.7	60.0	89.9	72.5	56.5	70.4	74.8	63.0	66.2	70.0
Armor	49-R56	76.4	59.8	70.3	85.0	58.3	98.0	74.6	55.9	72.4	75.1	53.3	64.2	70.5
Armor	DK4744	67.7	63.1	62.8	80.6	56.3	86.9	69.6	50.7	63.5	71.6	57.9	60.9	66.1
Asgrow	AG 4934	66.5	62.5	68.4	82.3	61.6	95.3	72.8	54.0	66.9	76.5	53.9	62.8	68.8

Table 12 (cont.). Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2013 and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Croplan	R2C 4752S	73.7	62.1	63.4	85.5	58.7	89.2	72.1	65.2	86.1	77.1	65.2	73.4	72.6
Delta Grow	DG 4755 RR2	65.3	64.2	60.2	81.5	60.0	82.3	68.9	59.4	78.1	69.0	59.9	66.6	68.0
Delta Grow	DG 4765 RR2/STS	67.4	59.9	65.2	84.8	56.3	91.3	70.8	61.0	85.2	77.5	53.1	69.2	70.2
Delta Grow	DG 4825 RR2/STS	62.4	68.0	66.2	79.2	56.4	96.8	71.5	54.2	69.6	71.1	61.5	64.1	68.5
Delta Grow	DG 4880RR	60.0	77.6	60.3	72.1	49.0	88.1	67.8	51.0	79.9	63.6	71.9	66.6	67.4
Delta Grow	DG 4925 RR2	69.6	58.8	64.3	78.7	50.3	84.6	67.7	50.5	68.5	72.2	56.2	61.9	65.4
Delta Grow	DG 4970RR	56.6	62.8	56.5	73.4	51.5	83.3	64.0	52.3	80.8	60.2	67.4	65.1	64.5
Delta Grow	DG 4940RR	48.4	58.4	70.4	80.0	49.3	85.3	65.3	47.9	72.1	63.3	56.7	60.0	63.2
Dyna-Gro	DG 37RY47	72.7	68.1	69.3	79.6	60.2	86.4	72.7	56.9	65.9	77.4	65.8	66.5	70.2
Dyna-Gro	S47RY13	60.3	60.8	58.3	79.9	59.9	91.5	68.5	57.9	73.6	71.1	49.5	63.0	66.3
Dyna-Gro	S48RS53	71.1	66.2	61.4	84.5	58.7	88.3	71.7	58.3	79.4	74.8	49.2	65.4	69.2
Great Heart	GT476CR2	68.6	72.7	64.6	87.6	61.6	90.5	74.2	62.8	76.8	72.0	64.7	69.1	72.2
Hornbeck	HBK RY4721	61.8	67.7	58.1	78.4	51.3	85.0	67.1	56.8	83.5	72.4	58.0	67.7	67.3
Morsoy Xtra	47X12	71.5	58.8	65.1	82.9	65.8	90.6	72.4	61.7	80.8	77.8	60.9	70.3	71.6
Morsoy Xtra	48X02	75.7	73.4	64.0	84.2	60.5	92.8	75.1	65.2	76.8	77.1	59.4	69.6	72.9
MPG	MPG 4714 NRR	59.3	74.0	57.1	73.3	51.7	79.1	65.7	52.5	66.3	62.1	64.4	61.3	64.0
Mycogen	5N478R2	69.0	62.6	62.5	85.4	64.6	94.9	73.2	58.8	82.8	68.9	62.8	68.3	71.2
Progeny	P4747RY	57.7	76.1	62.9	81.8	55.4	84.3	69.7	56.5	79.0	71.0	60.3	66.7	68.5
Progeny	P4850RYS	68.2	67.6	62.2	85.6	54.5	90.3	71.4	59.6	82.7	78.5	60.3	70.3	70.9
Progeny	P4900RY	71.9	56.3	66.5	84.4	65.0	97.9	73.7	58.4	71.3	75.3	55.0	65.0	70.2
REV	47R34	73.9	76.8	60.1	86.7	61.9	89.5	74.8	63.6	86.5	73.7	76.3	75.1	74.9
REV	48R44	62.0	64.5	64.7	82.4	57.4	92.4	70.6	56.4	81.4	71.4	75.7	71.2	70.8
REV	49R94	63.3	69.8	64.7	84.8	55.4	90.7	71.5	56.1	81.9	66.8	68.2	68.2	70.2
USG	74B83R	70.2	70.2	56.4	87.3	61.6	89.1	72.5	56.6	72.9	72.5	69.1	67.8	70.6
Overall Mean		66.6	65.7	63.0	82.2	57.6	89.3	70.7	57.2	76.4	72.2	61.5	66.8	69.2

Table 13. Summary of the 2-Year Yields for Maturity Group V Early Roundup Ready for the 2013 and 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	53-R16	68.8	71.4	85.7	86.8	78.2	56.1	73.8	78.5	49.1	64.4	71.3
Asgrow	AG5233	68.9	63.2	82.5	90.4	76.2	49.4	63.6	74.8	51.9	59.9	68.1
Asgrow	AG5332	73.5	61.1	82.9	99.5	79.3	54.1	57.9	73.1	57.9	60.7	70.0
Croplan	R2C 5081	78.2	73.3	84.6	89.1	81.3	54.4	82.6	78.8	55.6	67.9	74.6
Delta Grow	DG 5475RR2	56.7	60.3	82.6	83.8	70.8	54.4	64.0	68.5	51.0	59.5	65.2
Delta Grow	DG 5480RR2	70.2	63.9	90.8	94.8	79.9	53.4	75.7	69.1	48.7	61.7	70.8
Delta Grow	DG 5575RR2	63.3	70.3	85.4	88.3	76.8	54.3	74.3	66.8	54.6	62.5	69.7
Dyna-Gro	32RY55	76.4	72.1	85.4	79.7	78.4	54.9	66.9	85.7	57.0	66.1	72.3
Dyna-Gro	S54RY43	73.8	67.7	88.0	86.7	79.0	54.9	64.0	68.3	57.8	61.2	70.1
Dyna-Gro	S56RY84	74.1	72.8	89.8	91.9	82.2	54.2	75.7	80.2	61.9	68.0	75.1
Great Heart Seed	GT-500CR2S	67.6	53.2	76.7	82.2	69.9	56.3	51.6	70.4	57.2	58.9	64.4
Hornbeck	HBK RY5221	72.9	62.5	80.7	84.9	75.3	46.5	70.4	71.6	51.3	59.9	67.6
Hornbeck	HBK RY5421	76.0	64.8	84.1	85.7	77.7	45.5	69.0	72.1	62.8	62.3	70.0
MPG	5214NRR	64.3	69.3	80.7	85.3	74.9	48.5	65.5	64.2	53.7	58.0	66.4
NK Brand	S52-Y2	72.1	56.9	76.9	87.5	73.3	49.3	68.8	82.0	56.3	64.1	68.7
Progeny	P5213RY	61.3	60.7	77.0	86.9	71.5	51.0	64.3	69.0	49.5	58.5	65.0
Progeny	P5333RY	72.2	69.5	81.6	92.1	78.8	56.3	74.5	74.2	57.4	65.6	72.2
Progeny	P5555RY	81.5	74.6	88.6	91.4	84.0	57.6	72.6	76.8	62.2	67.3	75.7
Progeny	P5610RY	75.1	72.1	81.4	80.4	77.2	48.9	62.2	78.0	56.8	61.5	69.4
REV	51R53	67.7	59.0	79.6	91.0	74.3	53.5	55.7	73.1	53.9	59.1	66.7
REV	54R84	79.2	74.0	81.7	86.8	80.4	49.6	65.4	70.6	59.6	61.3	70.9
REV	55R53	73.6	76.5	84.3	89.4	80.9	58.7	62.4	78.9	62.3	65.6	73.3
REV	56R63	80.3	73.1	87.7	89.4	82.6	56.7	77.5	78.1	71.7	71.0	76.8
REV	52R74	65.3	66.1	80.7	86.8	74.7	50.1	59.6	71.2	51.8	58.2	66.5
Univ. of Arkansas	<i>R04-1250RR</i>	65.7	63.4	77.4	72.8	69.8	50.0	69.3	70.9	61.2	62.8	66.3
Univ. of Arkansas	<i>R04-1268RR</i>	64.4	54.1	73.4	72.9	66.2	48.8	59.8	63.5	56.7	57.2	61.7
Overall Mean		70.9	66.4	82.7	86.8	76.7	52.6	67.2	73.4	56.5	62.4	69.6

¹Variety in italics denotes an experimental entry.

Table 14. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2013 and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Asgrow	AG5831	66.2	69.5	80.1	79.1	73.7	49.6	71.0	67.7	45.1	58.4	66.0
Dyna-Gro	39RY57	76.0	75.8	87.5	86.3	81.4	55.5	69.8	75.8	54.5	63.9	72.6
REV	57R21	77.5	78.5	86.3	94.9	84.3	53.2	75.7	67.8	44.2	60.2	72.3
Overall Mean	73.3	74.6	84.6	86.8	79.8	52.8	72.2	70.4	47.9	60.8	70.3	

Table 15. Summary of 2-Year Yields for Maturity Group IV Liberty Link for the 2013 and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.		Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Delta Grow	DG 4767LL/STS	68.1	71.3	69.7	44.7	70.3	57.5		63.6
Delta Grow	DG 4981LL/STS	60.4	68.8	64.6	45.6	61.3	53.4		59.0
Delta Grow	DG 4990LL	62.2	73.6	67.9	44.8	58.5	51.7		59.8
Dyna-Gro	S49LL34	69.2	78.0	73.6	48.3	64.7	56.5		65.1
Halo	4:94	63.9	73.1	68.5	46.5	65.2	55.8		62.2
Halo	4:97	62.0	69.4	65.7	47.5	62.6	55.1		60.4
Hornbeck	LL 4650	53.0	66.2	59.6	44.7	64.0	54.4		57.0
Hornbeck	LL 4850	50.4	63.3	56.9	46.7	65.3	56.0		56.4
Hornbeck	LL 4950	65.5	75.5	70.5	51.8	64.3	58.0		64.3
Progeny	P4560LL	50.1	70.9	60.5	43.7	66.7	55.2		57.8
Progeny	P4819LL	56.1	70.3	63.2	47.4	60.0	53.7		58.4
Progeny	P4928LL	62.6	73.3	68.0	41.4	72.7	57.0		62.5
Progeny	P4930LL	68.9	78.3	73.6	47.2	77.8	62.5		68.0
Overall Mean		61.0	71.7	66.3	46.2	65.6	55.9		61.1

Table 16. Summary of 2-Year Yields for Maturity Group V Liberty Link for the 2013 and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.		Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>bu/A</i>
Delta Grow	DG 5461LL	65.6	69.0	67.3	37.6	66.7	52.2		59.7
Delta Grow	DG 5481LL	56.0	68.9	62.5	38.1	66.3	52.2		57.3
Halo	5:45	60.3	67.8	64.0	44.6	62.6	53.6		58.8
Progeny	P5160LL	67.8	73.4	70.6	43.6	66.8	55.2		62.9
Progeny	P5460LL	64.3	72.4	68.3	35.5	65.0	50.2		59.3
Progeny	P5960LL	61.7	69.6	65.6	45.4	64.6	55.0		60.3
Overall Mean		62.6	70.2	66.4	40.8	65.3	53.1		59.7

Table 17. Summary of 3-Year Yields for Maturity Group IV Conventional for the 2012, 2013, and 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Longwood Irr. (Delta)	Brooksville Nonirr. (Hills)	Overall average
Univ. of Arkansas	<i>R05-3239</i>	<i>bu/A</i> 66.1	<i>bu/A</i> 53.3	<i>bu/A</i> 59.7

¹Variety in italics denotes an experimental entry.

Table 18. Summary of 3-Year Yields for Maturity Group V Conventional for the 2012, 2013, and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr. (Delta)	Brooksville Nonirr. (Hills)	Overall average
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Univ. of Arkansas	Osage	67.9	50.8	59.4
Univ. of Arkansas	Ozark	65.4	50.9	58.2
Univ. of Arkansas	UA 5213C	67.9	53.5	60.7
Overall Mean		67.1	51.7	59.4

Table 19. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2012, 2013, and 2014 Mississippi Soybean Variety Trials

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	44-R08	56.1	59.9	50.8	68.8	43.4	89.4	61.4	58.4	69.6	62.4	61.5	63.0	62.0
Asgrow	AG4232	54.2	69.5	53.4	67.4	42.8	83.0	61.7	57.0	68.2	60.0	58.2	60.9	61.4
Asgrow	AG4533	63.2	63.1	61.2	75.0	46.6	90.2	66.5	59.1	69.9	62.4	67.7	64.8	65.8
Asgrow	AG4632	74.5	64.1	70.4	74.2	43.0	88.5	69.1	59.4	82.3	65.7	75.5	70.7	69.8
Croplan	R2C 4541	70.1	73.2	64.8	69.9	46.7	88.4	68.9	62.6	72.8	63.6	68.7	66.9	68.1
Delta Grow	4670RR2	67.2	62.5	65.2	68.9	47.4	87.2	66.4	56.9	79.9	57.0	71.9	66.4	66.4
Dyna-Gro	31RY45	66.0	70.4	64.3	70.9	45.3	90.8	68.0	62.4	82.7	64.0	74.8	71.0	69.2
Hornbeck	HBK RY4620	60.2	71.5	58.5	62.5	43.3	81.8	63.0	56.1	68.3	65.3	62.4	63.0	63.0
Morsoy Xtra	44X82	62.4	59.6	55.7	71.4	47.5	83.1	63.3	56.0	64.6	58.8	54.7	58.5	61.4
Progeny	P4211RY	57.4	58.6	56.0	69.2	42.5	86.7	61.7	54.3	74.1	60.0	57.4	61.5	61.6
Progeny	P4510 RYS	58.8	64.9	60.6	66.5	46.1	85.2	63.7	57.1	66.3	65.9	65.4	63.6	63.7
Overall Mean		62.7	65.2	60.1	69.5	45.0	86.8	64.9	58.1	72.6	62.3	65.3	64.6	64.8

Table 20. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2012, 2013, and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Nonirr. (clay)	Stoneville Irr. (loam)	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Armor	47-R13	68.8	57.8	66.2	68.7	51.2	77.1	65.0	65.3	75.7	62.3	65.7	67.2	65.9
Armor	DK4744	67.8	62.7	65.7	67.9	52.0	79.5	65.9	55.7	64.8	58.3	63.8	60.7	63.8
Croplan	R2C 4752S	73.6	64.6	64.4	68.8	53.0	79.9	67.4	68.2	80.4	58.8	65.4	68.2	67.7
Delta Grow	DG 4755 RR2	62.0	61.8	62.2	69.1	55.0	76.1	64.4	60.3	74.3	53.2	57.3	61.3	63.1
Delta Grow	DG 4765 RR2/STS	62.5	62.5	67.3	69.4	52.4	81.1	65.9	68.1	78.9	59.5	58.8	66.3	66.1
Delta Grow	DG 4825 RR2/STS	61.8	59.5	68.0	65.6	55.3	85.0	65.9	59.8	70.0	62.0	67.2	64.8	65.4
Delta Grow	DG 4880RR	62.4	67.2	61.7	60.4	44.9	79.0	62.6	52.6	73.7	57.5	70.0	63.4	62.9
Delta Grow	DG 4925 RR2	65.2	58.7	66.9	65.1	48.9	77.2	63.7	55.4	67.0	57.4	58.7	59.6	62.0
Delta Grow	DG 4970RR	57.7	59.8	60.5	59.0	46.8	75.3	59.9	58.5	77.0	56.3	65.5	64.3	61.6
Dyna-Gro	DG 37RY47	68.6	61.8	68.0	66.8	53.9	78.8	66.3	58.8	67.3	59.4	66.9	63.1	65.0
Dyna-Gro	S47RY13	61.7	60.5	61.5	69.0	55.1	83.8	65.3	60.4	70.3	55.8	52.9	59.9	63.1
Dyna-Gro	S48RS53	72.4	65.0	62.7	69.7	52.4	78.1	66.7	60.2	77.9	59.8	59.6	64.4	65.8
Hornbeck	HBK RY4721	62.2	57.4	59.8	64.9	47.5	76.4	61.4	57.5	80.8	56.7	57.1	63.0	62.0
Morsoy Xtra	47X12	73.0	59.5	68.1	68.5	57.2	80.3	67.7	66.9	80.5	61.8	62.3	67.9	67.8
Morsoy Xtra	48X02	70.4	68.2	64.1	70.8	56.0	86.5	69.3	65.5	74.8	62.2	56.6	64.8	67.5
Progeny	P4747RY	59.3	72.4	66.3	69.6	52.1	79.4	66.5	57.8	74.2	57.2	60.4	62.4	64.9
Progeny	P4850RYS	67.3	61.5	64.6	71.0	50.4	81.0	66.0	65.7	78.9	59.5	60.5	66.2	66.0
Progeny	P4900RY	70.7	57.3	70.1	69.5	62.2	87.0	69.4	58.7	66.4	59.8	54.8	59.9	65.6
Overall Mean		66.0	62.1	64.9	67.4	52.6	80.1	65.5	60.9	74.1	58.8	61.3	63.7	64.8

Table 21. Summary of the 3-Year Yields for Maturity Group V Early Roundup Ready for the 2012, 2013, and 2014 Mississippi Soybean Variety Trials.

Brand	Variety ¹	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
Armor	53-R16	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Asgrow	AG5233	66.2	61.7	69.0	81.5	69.6	47.6	68.8	57.6	56.3	57.6	66.3
Asgrow	AG5332	68.8	64.5	69.2	84.7	71.8	53.9	59.2	57.2	60.1	57.6	64.7
Croplan	R2C 5081	73.6	69.1	71.3	78.6	73.2	52.5	83.1	60.5	54.6	62.7	67.9
Delta Grow	DG 5475RR2	58.9	59.5	70.8	76.3	66.4	52.9	66.0	58.4	54.5	57.9	62.2
Dyna-Gro	32RY55	72.1	72.5	72.2	70.9	71.9	57.3	72.9	70.6	63.5	66.0	69.0
Dyna-Gro	S54RY43	71.0	65.5	75.5	77.2	72.3	55.2	63.8	59.5	63.4	60.5	66.4
Great Heart Seed	GT-500CR2S	66.1	55.8	64.4	76.8	65.8	55.8	62.0	56.4	54.9	57.3	61.5
Hornbeck	HBK RY5221	68.7	62.2	66.0	76.0	68.2	49.1	69.3	55.8	47.5	55.4	61.8
Hornbeck	HBK RY5421	72.0	63.5	69.2	75.6	70.1	45.6	71.5	53.7	61.9	58.2	64.1
Progeny	P5610RY	71.3	69.9	70.3	70.5	70.5	51.2	72.5	65.3	61.8	62.7	66.6
REV	51R53	65.4	58.4	67.5	81.2	68.1	52.9	69.6	57.1	58.7	59.6	63.9
REV	54R84	73.0	72.5	68.7	76.1	72.6	48.1	72.1	57.8	62.0	60.0	66.3
REV	55R53	71.0	75.5	71.8	79.1	74.3	59.0	67.9	67.2	66.6	65.2	69.8
REV	56R63	73.4	69.4	75.8	78.0	74.2	52.7	77.3	66.8	69.0	66.4	70.3
Univ. of Arkansas	<i>R04-1268RR</i>	61.1	53.5	59.7	63.8	59.5	48.6	60.9	50.1	55.2	53.7	56.6
Overall Mean		68.8	65.2	69.7	76.4	70.0	52.3	69.5	59.7	58.9	60.1	65.1

¹Variety in italics denotes an experimental entry.

Table 22. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2012, 2013, and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Clarksdale Irr.	Longwood Irr.	Stoneville (clay) Irr.	Stoneville (loam) Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Olive Branch Nonirr.	Raymond Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Asgrow	AG5831	63.5	66.9	67.6	69.1	66.8	52.8	71.1	59.0	50.5	58.3	62.6
Dyna-Gro	39RY57	73.7	73.6	72.0	75.6	73.7	57.6	73.8	62.8	59.1	63.3	68.5
Overall Mean		68.6	70.2	69.8	72.3	70.2	55.2	72.5	60.9	54.8	60.8	65.5

Table 23. Summary of 3-Year Yields for Maturity Group IV Liberty Link for the 2012, 2013, and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Delta Grow	DG 4767LL/STS	67.6	59.9	63.7	49.5	72.4	61.0	62.3
Delta Grow	DG 4990LL	45.2	60.8	53.0	49.0	63.4	56.2	54.6
Halo	4:94	66.7	60.1	63.4	50.1	67.3	58.7	61.1
Halo	4:95	35.6	34.1	34.9	36.2	44.1	40.2	37.5
Progeny	P4819LL	58.9	57.1	58.0	50.6	62.7	56.7	57.3
Progeny	P4928LL	64.6	61.0	62.8	46.5	71.0	58.7	60.8
Overall Mean		56.4	55.5	56.0	47.0	63.5	55.2	55.6

Table 24. Summary of 3-Year Yields for Maturity Group V Liberty Link for the 2012, 2013, and 2014 Mississippi Soybean Variety Trials.

Brand	Variety	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville Nonirr.	Falkner Nonirr.	Hills Avg.	Overall Avg.
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>
Delta Grow	DG 5461LL	67.4	59.8	63.6	44.1	72.4	58.2	60.9
Halo	5:45	61.1	61.7	61.4	47.7	62.2	54.9	58.2
Progeny	P5160LL	69.2	60.9	65.1	41.8	66.6	54.2	59.6
Progeny	P5460LL	65.5	62.2	63.8	41.7	67.0	54.4	59.1
Progeny	P5960LL	62.5	61.5	62.0	47.2	66.2	56.7	59.3
Overall Mean		65.1	61.2	63.2	44.5	66.9	55.7	59.4

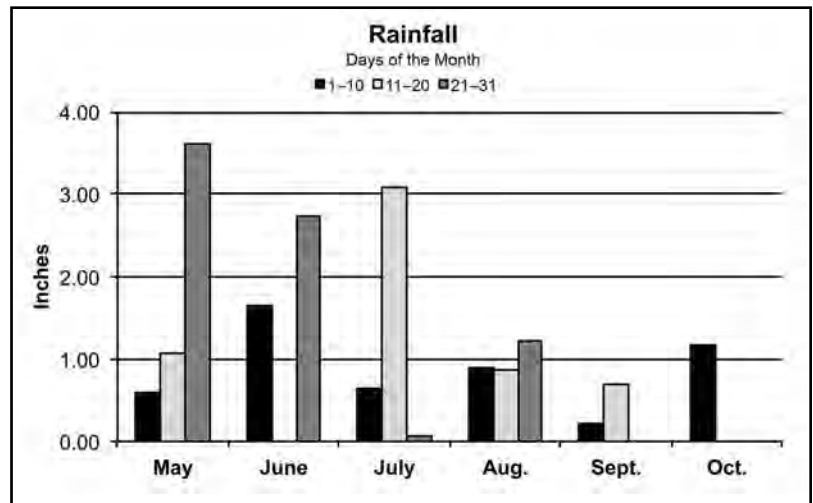
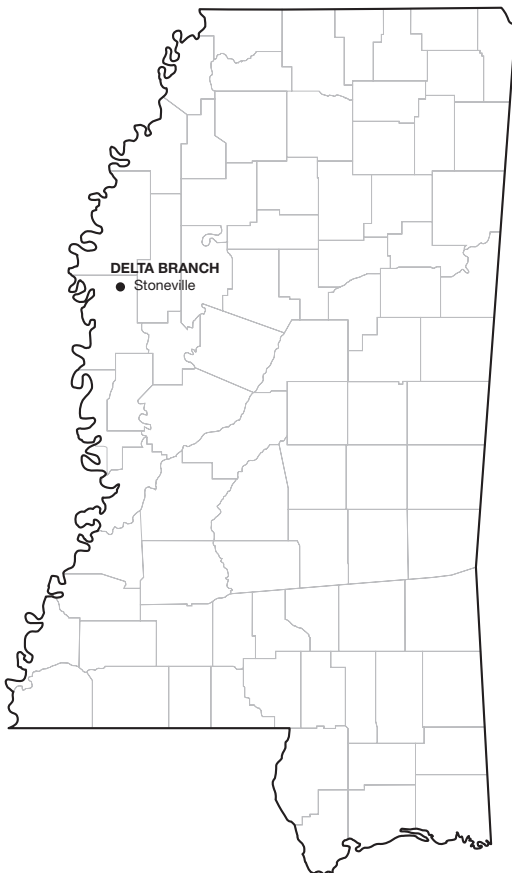
STONEVILLE (clay) IRR. AND NONIRRIGATED, DELTA BRANCH

Crop Summary

Both irrigated and nonirrigated soybean plots were planted into a stale seedbed in early May. Soil moisture at planting was adequate for germination. All plots quickly emerged to a good stand. Ample soil moisture was present throughout the season, supplied by a combination of timely rains and irrigation. This moisture allowed good

yields to be achieved. Harvest was completed without any weather delays. Timely rains occurred throughout the growing season, which allowed for nonirrigated yields that were much higher than average. Harvest was completed in a timely manner without difficulties.

- Planting date** May 6
Harvest date **IV Early and IV Late Roundup Ready on September 24 (Irrigated)**
V Early and V Late Roundup Ready on October 6 (Irrigated)
IV and V Liberty Link on October 6 (Irrigated)
IV Early Roundup Ready on September 10 (Nonirrigated)
IV Late Roundup Ready on September 18 (Nonirrigated)
- Soil type** Sharkey clay
Soil pH 6.8
Soil fertility P=H; K=H
Previous crop Soybeans
Irrigation dates July 10, July 28, and August 21
Herbicide application ... **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 32 oz/A, and Gramoxone SL @ 32 oz/A on May 6**
Postemergence —
Roundup Ready – Roundup Powermax @ 24 oz/A, Firstrate @ 0.3 oz/A, and Resource @ 0.6 oz/A on July 7
Liberty Link – Liberty @ 29 oz/A, Firstrate @ 0.3 oz/A, and Resource @ 6 oz/A on July 7



Rainfall Summary

	Inches
May	5.27
June	4.36
July	3.80
August	3.00
September	0.90
October	1.16
Total	18.49

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

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG4632	86.1	89.2	74.2	—	29	1
Mycogen	5N451R2	85.0	90.7	—	—	28	1
Armor	AX4460	84.6	—	—	—	30	1
Asgrow	AG4533	84.3	88.2	75.0	—	30	1
Delta Grow	4670RR2	84.1	84.7	68.9	—	29	1
Armor	44-R08	82.9	81.5	68.8	—	26	1
Croplan	R2C 4541	82.5	86.1	69.9	—	29	1
Dyna-Gro	31RY45	82.4	85.0	70.9	—	28	1
Morsoy Xtra	46X04	82.0	—	—	—	31	1
Dyna-Gro	S46RY85	81.3	—	—	—	26	1
Progeny	P4440 RY	80.2	—	—	—	33	1
REV	46R64T	80.1	81.2	—	—	26	1
Mycogen	5N452R2	79.2	—	—	—	32	1
Armor	46-R65	79.2	88.4	—	—	32	1
Progeny	P4613 RYS	79.0	88.0	—	—	31	1
Armor	AX4450	78.7	—	—	—	27	1
Dyna-Gro	S43RY95	78.5	—	—	—	26	1
Armor	AX4430	78.1	—	—	—	30	1
NK Brand	S45-V8	77.3	—	—	—	29	1
Steyer	4303R2	76.6	—	—	—	32	1
Delta Grow	DG 4685RR2	76.6	—	—	—	27	1
Progeny	P4211RY	76.3	83.1	69.2	—	24	1
USG	74F24RS	75.7	—	—	—	32	1
NK Brand	S46-L2	74.4	83.1	—	—	33	1
Armor	AX4440	74.4	—	—	—	29	1
Asgrow	AG4232	73.8	78.6	67.4	—	24	1
Morsoy Xtra	44X82	73.0	81.1	71.4	—	26	1
Asgrow	AG4135	72.0	—	—	—	19	1
Asgrow	AG 4534	71.6	—	—	—	28	1
USG	74F53R	71.4	75.1	—	—	30	1
Progeny	P4510 RYS	71.3	80.5	66.5	—	26	1
Hornbeck	HBK RY4620	70.8	80.0	62.5	—	25	1
Armor	43-R43	70.1	77.5	—	—	25	1
Mean		78					
LSD (.10)		5					
Error df		64					
CV		4.6					
R ²		73.3					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 26. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Armor	46-R65	74.8	55.0	—	—	27	1
Croplan	R2C 4541	74.6	51.5	46.7	—	30	1
Dyna-Gro	S43RY95	71.9	—	—	—	27	1
Mycogen	5N452R2	71.3	—	—	—	26	1
Progeny	P4211RY	70.9	50.8	42.5	—	28	1
Progeny	P4510 RYS	69.3	52.2	46.1	—	27	1
Dyna-Gro	31RY45	69.3	51.6	45.3	—	26	1
Armor	AX4460	69.2	—	—	—	32	1
NK Brand	S45-V8	68.4	—	—	—	30	1
Dyna-Gro	S46RY85	68.2	—	—	—	26	1
Steyer	4303R2	68.2	—	—	—	33	1
Mycogen	5N451R2	68.1	49.1	—	—	27	1
Armor	AX4450	67.6	—	—	—	24	1

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 26 (cont.). Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Morsoy Xtra	44X82	67.6	52.9	47.5	—	25	1
USG	74F24RS	67.3	—	—	—	36	1
Progeny	P4613 RYS	67.1	54.5	—	—	26	1
REV	46R64T	66.2	49.7	—	—	28	1
NK Brand	S46-L2	65.9	49.8	—	—	30	1
Delta Grow	4670RR2	65.2	51.7	47.4	—	28	1
USG	74F53R	65.1	48.2	—	—	28	1
Armor	<i>AX4440</i>	65.0	—	—	—	29	1
Armor	44-R08	65.0	49.4	43.4	—	29	1
Morsoy Xtra	<i>46X04</i>	64.9	—	—	—	25	1
Armor	<i>AX4430</i>	64.7	—	—	—	30	1
Delta Grow	DG 4685RR2	63.3	—	—	—	24	1
Asgrow	AG4533	62.7	50.9	46.6	—	30	1
Progeny	P4440 RY	61.0	—	—	—	29	1
Asgrow	AG4632	60.6	48.6	43.0	—	27	1
Asgrow	AG4135	60.5	—	—	—	25	1
Hornbeck	HBK RY4620	58.4	48.1	43.3	—	24	1
Asgrow	AG4232	58.2	47.1	42.8	—	24	1
Armor	43-R43	57.9	43.1	—	—	20	1
Asgrow	AG 4534	55.9	—	—	—	27	1
Mean		65.9					
LSD (.10)		7.8					
Error df		64					
CV		8.7					
R ²		50.3					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

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

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Mycogen	5N479R2	86.9	—	—	—	33	1
Progeny	P4788RY	83.3	—	—	—	35	1
Croplan	R2C 4873	82.6	—	—	—	30	1
REV	49R94	82.2	84.8	—	—	33	1
Armor	48-R66	81.9	89.7	—	—	27	1
Morsoy Xtra	48X02	81.7	84.2	70.8	—	34	1
Great Heart Seed	GT476CR2	81.4	87.6	—	—	32	1
Dyna-Gro	S47RY13	81.3	79.9	69.0	—	33	1
Mycogen	5N478R2	81.1	85.4	—	—	32	1
Croplan	R2C 4752S	81.0	85.5	68.8	—	33	1
REV	48R44	80.8	82.4	—	—	32	1
REV	47R34	80.6	86.7	—	—	32	1
Armor	49-R56	80.4	85.0	—	—	28	1
Delta Grow	DG 4825 RR2/STS	80.3	79.2	65.6	—	25	1
Mycogen	<i>MYCX 54490 NR2</i>	79.9	—	—	—	35	1
Dyna-Gro	S48RS53	79.8	84.5	69.7	—	33	1
Delta Grow	DG 4755 RR2	79.8	81.5	69.1	—	31	1
Asgrow	AG4835	79.4	—	—	—	31	1
REV	47R53	79.4	—	—	—	33	1
USG	74B83R	79.2	87.3	—	—	32	1
Delta Grow	DG 4765 RR2/STS	79.1	84.8	69.4	—	33	1
Progeny	P4747RY	78.8	81.8	69.6	—	30	1
Delta Grow	DG 4880RR	78.5	72.1	60.4	—	32	2
Dyna-Gro	<i>SX14847RS</i>	78.5	—	—	—	30	1
Armor	<i>AX 4470</i>	78.5	—	—	—	31	1

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 27 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Hornbeck	HBK RY4721	78.3	78.4	64.9	—	34	1
Armor	47-R13	78.2	83.3	68.7	—	31	1
Dyna-Gro	S49RY25	78.2	—	—	—	38	1
Progeny	P4900RY	78.0	84.4	69.5	—	28	1
Delta Grow	DG 4985RR2	76.6	—	—	—	36	1
Asgrow	AG4934	76.5	82.3	—	—	29	1
Delta Grow	DG 4930 RR2/STS	76.4	—	—	—	31	1
Progeny	P4850RYS	76.3	85.6	71.0	—	35	1
Morsoy Xtra	48X34	75.9	—	—	—	30	1
Armor	AX 4471	75.7	—	—	—	33	1
REV	48R22	75.5	—	—	—	30	1
Morsoy Xtra	49X54	75.5	—	—	—	37	1
Morsoy Xtra	47X12	75.1	82.9	68.5	—	34	1
Great Heart Seed	GT482 CR2	74.3	—	—	—	34	1
MPG	MPG 4714 NRR	73.3	73.3	—	—	36	1
Dyna-Gro	DG 37RY47	73.0	79.6	66.8	—	29	1
NK Brand	S47-K5	72.9	—	—	—	32	1
Delta Grow	DG 4775 RR2/STS	72.7	—	—	—	29	1
Progeny	P4848RYS	72.5	—	—	—	28	1
Armor	DK4744	72.3	80.6	67.9	—	29	1
Delta Grow	DG 4970RR	72.1	73.4	59.0	—	33	2
REV	49A55	72.0	—	—	—	34	1
Delta Grow	DG 4925 RR2	71.5	78.7	65.1	—	32	1
Delta Grow	DG 4940RR	70.6	80.0	—	—	36	1
Hornbeck	CZ 4959 RY	70.0	—	—	—	31	1
Armor	AX 4490	69.1	—	—	—	34	1
USG	74B94RS	67.9	—	—	—	31	1
Armor	AX 4480	67.7	—	—	—	33	1
Mean		77.1					
LSD (.10)		5.7					
Error df		104					
CV		5.5					
R ²		61.7					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

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

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
USG	74B83R	84.5	61.6	—	—	27	1
Dyna-Gro	S47RY13	83.1	59.9	55.1	—	30	1
Morsoy Xtra	48X02	82.4	60.5	56.0	—	33	1
REV	47R34	81.9	61.9	—	—	31	1
NK Brand	S47-K5	81.5	—	—	—	29	1
Progeny	P4788RY	81.3	—	—	—	32	1
Armor	49-R56	81.1	58.3	—	—	27	1
Armor	48-R66	80.3	60.0	—	—	23	1
Great Heart Seed	GT476CR2	79.9	61.6	—	—	32	1
Dyna-Gro	DG 37RY47	79.6	60.2	53.9	—	26	1
Mycogen	5N478R2	79.5	64.6	—	—	29	1
Croplan	R2C 4752S	78.8	58.7	53.0	—	33	1
REV	47R53	78.8	—	—	—	29	1
Morsoy Xtra	49X54	78.3	—	—	—	32	1
Croplan	R2C 4873	76.8	—	—	—	29	1
Mycogen	5N479R2	76.7	—	—	—	30	1
Morsoy Xtra	47X12	76.5	65.8	57.2	—	30	1
Dyna-Gro	S48RS53	76.1	58.7	52.4	—	32	1

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

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

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 4755 RR2	76.0	60.0	55.0	—	30	1
Progeny	P4850RYS	75.6	54.5	50.4	—	30	1
Delta Grow	DG 4825 RR2/STS	75.0	56.4	55.3	—	31	1
REV	48R44	74.6	57.4	—	—	26	1
Armor	<i>AX 4470</i>	74.4	—	—	—	30	1
REV	48R22	74.1	—	—	—	27	1
Dyna-Gro	<i>SX14847RS</i>	74.1	—	—	—	30	1
Armor	DK4744	74.0	56.3	52.0	—	30	1
Delta Grow	DG 4970RR	73.6	51.5	46.8	—	28	1
Mycogen	<i>MYCX 54490 NR2</i>	73.6	—	—	—	32	1
REV	49R94	73.5	55.4	—	—	29	1
Armor	<i>AX 4490</i>	73.2	—	—	—	31	1
Armor	47-R13	73.0	56.5	51.2	—	30	1
Great Heart Seed	GT482 CR2	72.3	—	—	—	32	1
Progeny	P4848RYS	72.3	—	—	—	33	1
Progeny	P4900RY	71.6	65.0	62.2	—	24	1
Delta Grow	DG 4765 RR2/STS	71.2	56.3	52.4	—	29	1
Armor	<i>AX 4471</i>	71.1	—	—	—	30	1
REV	49A55	70.6	—	—	—	26	1
Delta Grow	DG 4880RR	70.6	49.0	44.9	—	25	1
Hornbeck	HBK RY4721	70.4	51.3	47.5	—	31	1
Progeny	P4747RY	70.1	55.4	52.1	—	28	1
Asgrow	AG4934	70.0	61.6	—	—	28	1
Dyna-Gro	S49RY25	69.9	—	—	—	36	1
Delta Grow	DG 4925 RR2	69.4	50.3	48.9	—	27	1
Delta Grow	DG 4775 RR2/STS	69.1	—	—	—	29	1
Armor	<i>AX 4480</i>	69.1	—	—	—	30	1
USG	74B94RS	68.9	—	—	—	30	1
MPG	MPG 4714 NRR	68.4	51.7	—	—	31	1
Delta Grow	DG 4940RR	68.3	49.3	—	—	31	1
Delta Grow	DG 4985RR2	67.5	—	—	—	34	1
Asgrow	AG4835	67.3	—	—	—	32	1
Delta Grow	DG 4930 RR2/STS	66.3	—	—	—	31	1
Hornbeck	CZ 4959 RY	62.8	—	—	—	28	1
Morsoy Xtra	48X34	62.5	—	—	—	29	1
Mean		74					
LSD (.10)		11.7					
Error df		104					
CV		7.7					
R ²		55.6					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

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

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Mycogen	5N550R2	90.9	—	—	—	32	1
Dyna-Gro	S56RY84	89.1	89.8	—	—	29	1
Asgrow	AG5533	88.2	—	—	—	30	1
Dyna-Gro	S52RY75	87.4	—	—	—	24	1
Delta Grow	DG 5480RR2	87.0	90.8	—	—	27	1
Progeny	P5555RY	86.1	88.6	—	—	29	1
NK Brand	S55-Q3	85.8	—	—	—	25	1
Mycogen	<i>5N522 R2</i>	85.5	—	—	—	22	1
Delta Grow	DG 5230 RR2	85.2	—	—	—	26	1
Hornbeck	HBK RY5421	84.6	84.1	69.2	—	26	1

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

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

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Morsoy Xtra	51X31	84.3	—	—	—	25	1
Asgrow	AG5535	83.8	—	—	—	25	1
Armor	AX4520	82.8	—	—	—	23	1
Morsoy Xtra	53X82	82.7	—	—	—	30	1
Dyna-Gro	32RY55	82.6	85.4	72.2	—	23	1
Armor	53-R16	82.5	85.7	73.5	—	20	1
Croplan	R2C 5081	82.4	84.6	71.3	—	24	1
Morsoy Xtra	54X41	81.9	—	—	—	23	1
REV	56R63	81.9	87.7	75.8	—	28	1
Delta Grow	DG 5575RR2	81.4	85.4	—	—	27	1
REV	55R53	80.1	84.3	71.8	—	28	1
Dyna-Gro	S54RY43	79.6	88.0	75.5	—	31	1
Great Heart Seed	GT516CR2	78.9	—	—	—	36	1
MPG	5214NRR	78.9	80.7	—	—	30	1
Armor	51-R50	78.7	—	—	—	32	1
Delta Grow	DG 5556RR	78.4	—	—	—	22	1
Progeny	P5610RY	78.1	81.4	70.3	—	23	1
REV	54R84	77.5	81.7	68.7	—	21	1
Asgrow	AG5335	77.4	—	—	—	32	1
Univ. of Arkansas	<i>R10-197RY</i>	77.4	—	—	—	25	1
Delta Grow	DG 5475RR2	77.0	82.6	70.8	—	24	1
Asgrow	AG5332	76.4	82.9	69.2	—	30	1
Hornbeck	HBK RY5221	75.4	80.7	66.0	—	32	1
REV	52A94	75.3	—	—	—	26	1
REV	51R53	75.3	79.6	67.5	—	29	1
Univ. of Arkansas	<i>R04-1250RR</i>	74.8	77.4	—	—	25	1
Asgrow	AG5233	74.6	82.5	69.0	—	23	1
Univ. of Arkansas	<i>R10-130RY</i>	74.5	—	—	—	23	1
REV	52R74	73.6	80.7	—	—	28	1
Progeny	P5333RY	73.2	81.6	—	—	24	1
Morsoy Xtra	56X02	72.5	—	—	—	49	2
Univ. of Arkansas	<i>R10-428RY</i>	72.5	—	—	—	26	1
Armor	AX4500	71.2	—	—	—	36	1
Progeny	P5213RY	71.1	77.0	—	—	39	1
NK Brand	S51-C5	70.9	—	—	—	20	1
MPG	5314 NRR	70.9	—	—	—	34	1
NK Brand	S52-Y2	70.7	76.9	—	—	31	1
Univ. of Arkansas	<i>R04-1268RR</i>	70.2	73.4	59.7	—	23	1
Armor	50-R44	70.2	—	—	—	35	1
Great Heart Seed	GT-500CR2S	69.3	76.7	64.4	—	30	1
Mycogen	5N540R2	68.5	—	—	—	27	1
Mean		78.6					
LSD (.10)		6.3					
Error df		100					
CV		5.9					
R ²		70.3					

¹Variety in italics denotes an experimental entry.

²No maturity dates taken.

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

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	39RY57	84.7	87.5	72.0	—	29	1
REV	57R21	82.7	86.3	—	—	29	1
Asgrow	AG5831	79.1	80.1	67.6	—	19	1
Univ. of Arkansas	<i>R07-6614RR</i>	72.8	—	—	—	28	1
Asgrow	AG5935	66.9	—	—	—	26	1
Mean		77.2					
LSD (.10)		5.8					
Error df		8					
CV		5					
R ²		84.9					
¹ Variety in italics denotes an experimental entry.							
² No maturity dates taken.							

Table 31. Maturity Group IV LL Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P4930LL	80.7	78.3	—	—	35	1
Hornbeck	HBK LL4953	80.5	—	—	—	37	1
REV	49L29	79.5	—	—	—	35	1
Hornbeck	LL 4950	78.5	75.5	—	—	40	1
Dyna-Gro	S49LL34	77.8	78.0	—	—	36	1
Progeny	P4928LL	77.6	73.3	61.0	—	35	1
Hornbeck	<i>BX 4748LL</i>	77.3	—	—	—	32	1
Delta Grow	DG 4967LL	75.2	—	—	—	41	1
GoSoy	4914	73.7	—	—	—	40	1
Dyna-Gro	S49LS65	73.5	—	—	—	32	1
Halo	4:94	73.0	73.1	60.1	—	35	1
Delta Grow	DG 4990LL	72.2	73.6	60.8	—	35	1
Halo	4:76	71.7	—	—	—	36	1
Halo	4:97	69.7	69.4	—	—	38	2
Progeny	P4819LL	69.6	70.3	57.1	—	30	1
Delta Grow	DG 4867LL	69.4	—	—	—	26	1
Halo	<i>X448</i>	68.5	—	—	—	34	1
Delta Grow	DG 4767LL/STS	68.3	71.3	59.9	—	42	1
USG	74G74LS	68.1	—	—	—	38	2
Progeny	P 4620 LLS	68.1	—	—	—	39	1
Progeny	P4560LL	67.7	70.9	—	—	29	1
Halo	<i>X449</i>	67.2	—	—	—	41	1
GoSoy	4713	66.0	—	—	—	39	1
Delta Grow	DG 4981LL/STS	66.0	68.8	—	—	46	1
Halo	4:95	65.2	—	—	—	29	1
Hornbeck	LL 4650	63.7	66.2	—	—	27	1
Halo	4:40	62.2	—	—	—	24	1
Hornbeck	LL 4850	60.9	63.3	—	—	28	1
Mean		71.1					
LSD		5.5					
Error df		54					
CV		5.6					
R ²		76.3					
¹ Variety in italics denotes an experimental entry.							
² No maturity dates taken.							

Table 32. Maturity Group V Liberty Link Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Halo	5:01	73.5	—	—	—	31	1
Progeny	P5460LL	73.5	72.4	62.2	—	35	1
GoSoy	5214	73.2	—	—	—	38	1
Hornbeck	5242LL	71.2	—	—	—	38	1
Hornbeck	<i>CZ 5150 LL</i>	70.8	—	—	—	34	1
Delta Grow	DG 5367LL	70.3	—	—	—	30	1
Halo	<i>X452</i>	69.7	—	—	—	38	1
Halo	<i>X451</i>	69.7	—	—	—	34	1
Halo	5:26	69.5	—	—	—	22	1
Progeny	P5220LLS	69.4	—	—	—	44	1
REV	55L95	69.1	—	—	—	35	1
Progeny	P5160LL	67.7	73.4	60.9	—	14	1
Delta Grow	DG 5067 LL	67.5	—	—	—	38	1
Progeny	P5960LL	65.3	69.6	61.5	—	21	1
Delta Grow	DG 5481LL	64.5	68.9	—	—	40	1
Halo	5:45	63.9	67.8	61.7	—	21	1
Delta Grow	DG 5461LL	62.6	69.0	59.8	—	36	1
Halo	5:25	59.5	—	—	—	20	1
Mean		68.4					
LSD (.10)		7.8					
Error df		34					
CV		8.3					
R ²		63.5					

¹Variety in italics denotes an experimental entry.

²No maturity dates taken.

STONEVILLE (loam), DELTA BRANCH

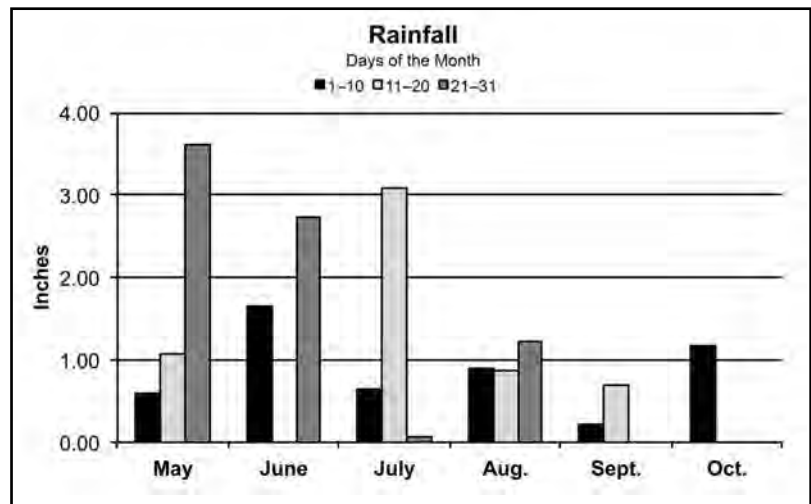
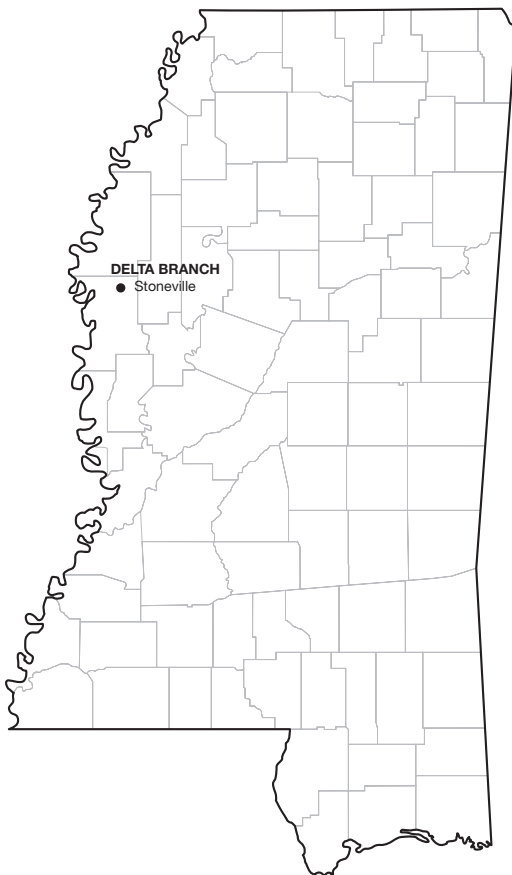
Crop Summary

Soybean plots were planted into a stale seedbed in early May. Soil moisture at planting was adequate for germination. All plots quickly emerged to a good stand. Ample soil moisture was present throughout the season,

supplied by a combination of timely rains and irrigation. This moisture allowed good yields to be achieved. Harvest was completed without any weather delays.

Planting date **May 5**
 Harvest date **IV Early Roundup Ready on September 18**
 IV Late Roundup Ready on September 24
 V Early and V Late Roundup Ready on October 6

Soil type **Dundee silty clay loam**
 Soil pH **6.7**
 Soil fertility **P=H; K=H**
 Previous crop **Soybeans**
 Irrigation dates **July 10 and July 28**
 Herbicide application ... **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 32 oz/A,**
 and Gramoxone SL @ 32 oz/A on May 5
 Postemergence — Roundup Powermax @ 32 oz/A and Firstrate @ 0.3 oz/A
 on July 7



Rainfall Summary

	Inches
May	5.27
June	4.36
July	3.80
August	3.00
September	0.90
October	1.16
Total	18.49

Table 33. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, loam).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Mycogen	5N452R2	98.9	—	—	—	34	1
Armor	44-R08	97.9	99.4	89.4	—	31	1
Croplan	R2C 4541	97.5	97.8	88.4	—	33	1
Mycogen	5N451R2	95.0	101.5	—	—	29	1
Asgrow	AG4533	93.7	99.6	90.2	—	30	1
Progeny	P4613 RYS	93.0	97.2	—	—	34	1
Dyna-Gro	31RY45	92.5	100.3	90.8	—	34	1
USG	74F24RS	92.4	—	—	—	34	1
Steyer	4303R2	92.0	—	—	—	35	1
Progeny	P4440 RY	91.9	—	—	—	35	1
Asgrow	AG4632	91.0	98.1	88.5	—	28	1
Dyna-Gro	S46RY85	88.4	—	—	—	32	1
Progeny	P4510 RYS	88.2	94.4	85.2	—	39	1
Armor	AX4430	87.9	—	—	—	33	1
Armor	46-R65	86.9	95.0	—	—	32	1
Dyna-Gro	S43RY95	86.9	—	—	—	32	1
Armor	AX4460	86.2	—	—	—	30	1
Delta Grow	DG 4685RR2	86.2	—	—	—	26	1
NK Brand	S46-L2	86.1	93.7	—	—	28	1
Progeny	P4211RY	85.7	95.4	86.7	—	29	1
Morsoy Xtra	44X82	85.6	92.0	83.1	—	33	1
Armor	AX4450	85.6	—	—	—	29	1
Delta Grow	4670RR2	85.5	95.9	87.2	—	29	1
Asgrow	AG 4534	84.8	—	—	—	25	1
Morsoy Xtra	46X04	84.5	—	—	—	32	1
USG	74F53R	84.4	89.3	—	—	30	1
NK Brand	S45-V8	83.6	—	—	—	33	1
REV	46R64T	81.9	91.1	—	—	29	1
Asgrow	AG4232	81.1	91.8	83.0	—	22	1
Armor	43-R43	78.4	90.0	—	—	27	1
Armor	AX4440	77.7	—	—	—	27	1
Hornbeck	HBK RY4620	76.8	88.9	81.8	—	32	1
Asgrow	AG4135	75.8	—	—	—	28	1
Mean		87.4					
LSD (.10)		9.8					
Error df		64					
CV		8.1					
R ²		51.5					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 34. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, loam).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 4825 RR2/STS	92.4	96.8	85.0	—	30	1
Dyna-Gro	SX14847RS	91.3	—	—	—	33	1
Armor	49-R56	90.8	98.0	—	—	27	1
Progeny	P4788RY	90.4	—	—	—	32	1
Delta Grow	DG 4775 RR2/STS	89.4	—	—	—	33	1
Progeny	P4848RYS	89.0	—	—	—	32	1
Armor	AX 4470	88.4	—	—	—	28	1
Great Heart Seed	GT482 CR2	87.9	—	—	—	31	1
Delta Grow	DG 4985RR2	87.5	—	—	—	35	1
Dyna-Gro	S47RY13	87.2	91.5	83.8	—	32	1
Progeny	P4900RY	87.0	97.9	87.0	—	28	1
Asgrow	AG4835	85.8	—	—	—	33	1
Morsoy Xtra	48X02	85.7	92.8	86.5	—	35	1
Mycogen	5N478R2	85.5	94.9	—	—	36	1
Mycogen	5N479R2	84.6	—	—	—	34	1
Dyna-Gro	S48RS53	84.5	88.3	78.1	—	27	1
Morsoy Xtra	49X54	84.1	—	—	—	39	1

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 34 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, loam).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Morsoy Xtra	47X12	84.0	90.6	80.3	—	32	1
Dyna-Gro	S49RY25	83.4	—	—	—	32	1
Delta Grow	DG 4930 RR2/STS	83.3	—	—	—	30	1
Delta Grow	DG 4880RR	83.1	88.1	79.0	—	26	1
Progeny	P4850RYS	82.8	90.3	81.0	—	34	1
Armor	DK4744	82.6	86.9	79.5	—	29	1
Delta Grow	DG 4940RR	82.4	85.3	—	—	24	1
Great Heart Seed	GT476CR2	82.3	90.5	—	—	34	1
REV	48R44	82.1	92.4	—	—	28	1
REV	49A55	82.1	—	—	—	34	1
Asgrow	AG4934	81.5	95.3	—	—	29	1
REV	49R94	80.8	90.7	—	—	33	1
Delta Grow	DG 4765 RR2/STS	80.6	91.3	81.1	—	32	1
Croplan	R2C 4752S	79.6	89.2	79.9	—	34	1
Armor	47-R13	79.5	85.3	77.1	—	30	1
NK Brand	S47-K5	79.3	—	—	—	24	1
Mycogen	<i>MYCX 54490 NR2</i>	78.7	—	—	—	38	1
Morsoy Xtra	48X34	78.5	—	—	—	29	1
Croplan	R2C 4873	78.4	—	—	—	24	1
Armor	AX 4471	78.2	—	—	—	29	1
Dyna-Gro	DG 37RY47	77.1	86.4	78.8	—	30	1
Armor	48-R66	76.6	89.9	—	—	23	1
REV	48R22	76.4	—	—	—	27	1
Delta Grow	DG 4970RR	76.3	83.3	75.3	—	31	1
Delta Grow	DG 4755 RR2	76.3	82.3	76.1	—	30	1
REV	47R53	75.8	—	—	—	33	1
Armor	AX 4490	75.6	—	—	—	29	1
USG	74B94RS	75.4	—	—	—	29	1
REV	47R34	75.2	89.5	—	—	32	1
USG	74B83R	74.3	89.1	—	—	24	1
MPG	MPG 4714 NRR	73.7	79.1	—	—	40	1
Delta Grow	DG 4925 RR2	71.4	84.6	77.2	—	35	1
Hornbeck	CZ 4959 RY	69.7	—	—	—	25	1
Hornbeck	HBK RY4721	69.3	85.0	76.4	—	35	1
Progeny	P4747RY	68.9	84.3	79.4	—	24	1
Armor	AX 4480	67.6	—	—	—	30	1
Mean		81					
LSD (.10)		8					
Error df		104					
CV		7.3					
R ²		61.5					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 35. Roundup Ready Maturity Group V Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, loam).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG5533	97.5	—	—	—	27	1
Dyna-Gro	S52RY75	95.5	—	—	—	24	1
Dyna-Gro	S56RY84	93.1	91.9	—	—	25	1
NK Brand	S55-Q3	92.2	—	—	—	28	1
Asgrow	AG5332	91.4	99.5	84.7	—	25	1
Croplan	R2C 5081	91.4	89.1	78.6	—	23	1
Mycogen	<i>5N522 R2</i>	90.9	—	—	—	26	1
Delta Grow	DG 5480RR2	90.2	94.8	—	—	21	1
Armor	51-R50	90.2	—	—	—	26	1
Delta Grow	DG 5230 RR2	90.1	—	—	—	23	1
Armor	AX4520	90.1	—	—	—	24	1
REV	52A94	89.0	—	—	—	27	1
Hornbeck	HBK RY5421	88.8	85.7	75.6	—	23	1

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 35 (cont.). Roundup Ready Maturity Group V Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, Ioam).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P5555RY	88.8	80.4	70.5	—	27	1
Mycogen	5N550R2	88.2	—	—	—	26	1
Morsoy Xtra	51X31	88.1	—	—	—	19	1
REV	56R63	88.0	89.4	78.0	—	25	1
Univ. of Arkansas	<i>R10-197RY</i>	86.8	—	—	—	25	1
Asgrow	AG5535	86.6	—	—	—	24	1
REV	54R84	85.8	86.8	76.1	—	20	1
Univ. of Arkansas	<i>R10-130RY</i>	85.7	—	—	—	23	1
Great Heart Seed	GT516CR2	85.3	—	—	—	30	1
Armor	<i>AX4500</i>	85.1	—	—	—	33	1
Asgrow	AG5335	85.0	—	—	—	30	1
Univ. of Arkansas	<i>R10-428RY</i>	84.9	—	—	—	27	1
Armor	53-R16	84.9	—	76.2	—	22	1
Delta Grow	DG 5575RR2	84.9	88.3	—	—	29	1
MPG	5214NRR	84.8	85.3	—	—	28	1
Progeny	P5333RY	84.7	91.4	—	—	21	1
NK Brand	S52-Y2	84.6	87.5	—	—	30	1
Dyna-Gro	S54RY43	84.2	86.7	77.2	—	26	1
REV	55R53	83.4	89.4	79.1	—	24	1
Delta Grow	DG 5556RR	82.9	—	—	—	20	1
REV	51R53	82.7	91.0	81.2	—	24	1
Progeny	P5213RY	82.4	92.1	—	—	31	1
Morsoy Xtra	53X82	82.3	—	—	—	24	1
Morsoy Xtra	54X41	82.0	—	—	—	22	1
Morsoy Xtra	56X02	81.6	—	—	—	46	1
Progeny	P5610RY	81.5	—	—	—	18	1
Dyna-Gro	32RY55	80.5	79.7	70.9	—	23	1
Mycogen	5N540R2	80.4	—	—	—	27	1
Delta Grow	DG 5475RR2	78.8	83.8	76.3	—	24	1
Armor	50-R44	78.7	86.9	—	—	34	1
Hornbeck	HBK RY5221	77.9	84.9	76.0	—	25	1
NK Brand	S51-C5	77.0	86.8	—	—	19	1
Great Heart Seed	GT-500CR2S	75.6	82.2	76.8	—	21	1
Asgrow	AG5233	74.2	90.4	81.5	—	27	1
REV	52R74	74.0	86.8	—	—	30	1
Univ. of Arkansas	<i>R04-1250RR</i>	72.8	72.8	—	—	20	1
Univ. of Arkansas	<i>R04-1268RR</i>	72.0	72.9	63.8	—	20	1
MPG	5314 NRR	70.4	—	—	—	34	1
Mean		84.5					
LSD (.10)		5.9					
Error df		100					
CV		5.2					
R ²		74.3					
¹ Variety in italics denotes an experimental entry.							
² No maturity dates taken.							

Table 36. Roundup Ready Maturity Group V Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, Ioam).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV	57R21	97.6	94.9	—	—	29	1
Dyna-Gro	39RY57	89.3	86.3	75.6	—	22	1
Asgrow	AG5831	85.1	79.1	69.1	—	19	1
Univ. of Arkansas	<i>R07-6614RR</i>	77.6	—	—	—	26	1
Asgrow	AG5935	66.9	—	—	—	23	1
Mean		83.3					
LSD (.10)		11.1					
Error df		8					
CV		8.9					
R ²		79.1					
¹ Variety in italics denotes an experimental entry.							
² No maturity dates taken.							

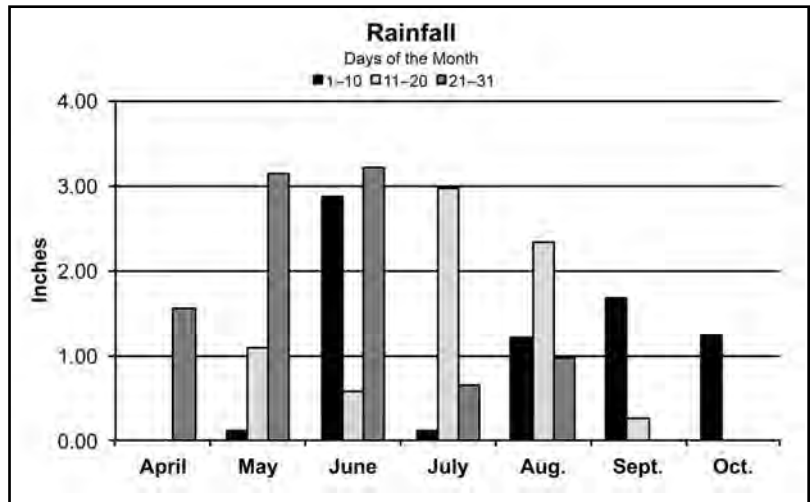
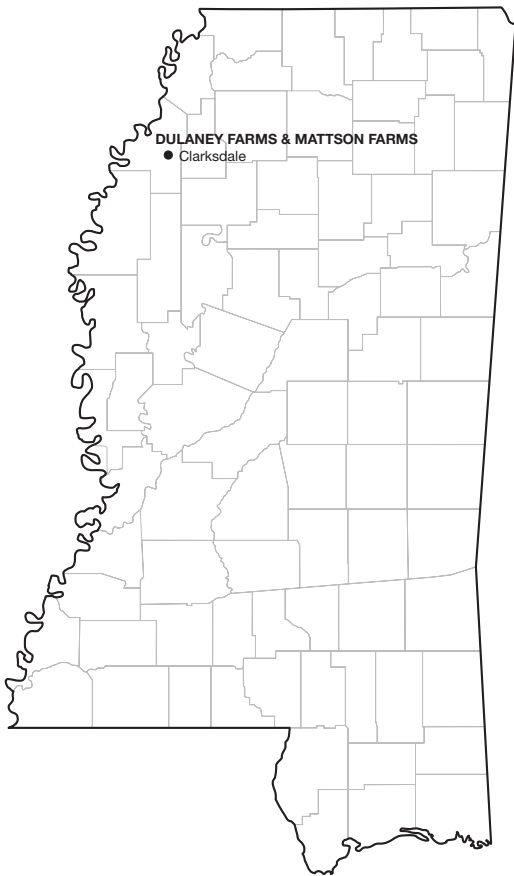
CLARKSDALE IRRIGATED, DULANEY FARMS

Crop Summary

The soybean plots were planted into a stale seedbed. All plots quickly emerged to a good stand. Timely rains and irrigation supplied ample soil moisture for the crop

throughout the entire season. Plots were harvested without weather delays, and good yields were observed.

Planting date **April 24**
Harvest date **IV Early & IV Late Roundup Ready on September 26**
 V Early and V Late Roundup Ready on October 8
Soil type **Forestdale silty clay**
Soil pH **6.8**
Soil fertility **P=H; K=H**
Previous crop **Soybeans**
Irrigation dates **Furrow irrigated, as needed**
Herbicide application ... **Preemergence – Authority MTZ @ 12 oz/A, Dual II Magnum @ 32 oz/A, and Gramoxone SL @ 32 oz/A on April 24**
 Postemergence – Roundup Powermax @ 32 oz/A and Firstrate @ 0.3 oz/A on July 7



Rainfall Summary

	Inches
April	1.56
May	4.33
June	6.66
July	3.72
August	4.49
September	1.94
October	1.23
Total	23.93

Table 37. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG4632	90.9	76.7	74.5	9/16	29	1
Croplan	R2C 4541	90.0	71.6	70.1	9/17	33	1
Mycogen	5N451R2	87.5	75.3	—	9/15	32	1
Asgrow	AG4533	85.8	66.8	63.2	9/15	30	1
Mycogen	5N452R2	85.7	—	—	9/17	31	1
Dyna-Gro	31RY45	84.5	68.5	66.0	9/13	29	1
Progeny	P4613 RYS	81.0	56.5	—	9/17	28	1
Delta Grow	4670RR2	79.3	66.5	67.2	9/15	29	1
Morsoy Xtra	44X82	78.7	63.2	62.4	9/6	34	1
Delta Grow	DG 4685RR2	77.6	—	—	9/12	27	1
Dyna-Gro	S43RY95	76.4	—	—	9/16	32	1
Armor	AX4460	75.4	—	—	9/16	34	1
Armor	44-R08	73.1	54.3	56.1	9/4	29	1
Morsoy Xtra	46X04	73.0	—	—	9/10	29	1
Armor	AX4430	72.8	—	—	9/12	36	1
Steyer	4303R2	72.7	—	—	9/16	31	1
Armor	AX4450	72.0	—	—	9/13	29	1
Dyna-Gro	S46RY85	71.8	—	—	9/15	29	1
NK Brand	S45-V8	71.6	—	—	9/10	30	1
Asgrow	AG 4534	70.9	—	—	9/13	28	1
Progeny	P4440 RY	70.8	—	—	9/12	32	1
NK Brand	S46-L2	70.1	65.3	—	9/16	31	1
Armor	46-R65	69.5	62.1	—	9/17	33	1
Progeny	P4211RY	68.4	56.5	57.4	9/6	27	1
Armor	AX4440	68.1	—	—	9/16	27	1
REV	46R64T	67.6	58.5	—	9/9	31	1
USG	74F24RS	67.5	—	—	9/14	29	1
Armor	43-R43	67.1	49.9	—	9/6	24	1
USG	74F53R	66.6	58.9	—	9/9	35	1
Asgrow	AG4135	64.9	—	—	8/29	26	1
Progeny	P4510 RYS	64.8	57.5	58.8	9/14	29	1
Hornbeck	HBK RY4620	62.8	58.2	60.2	9/15	29	1
Asgrow	AG4232	62.7	50.8	54.2	9/4	30	1
Mean		74					
LSD (.10)		10.1					
Error df		64					
CV		10					
R ²		65.7					

¹Variety in italics denotes an experimental entry.

Table 38. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 4880RR	81.0	60.0	62.4	9/19	32	1
Progeny	P4848RYS	80.0	—	—	9/17	33	1
Morsoy Xtra	48X02	79.9	75.7	70.4	9/12	34	1
Armor	AX 4471	79.0	—	—	9/16	28	1
Armor	49-R56	78.9	76.4	—	9/19	28	1
NK Brand	S47-K5	78.8	—	—	9/25	26	1
Croplan	R2C 4752S	78.6	73.7	73.6	9/17	33	1
Delta Grow	DG 4765 RR2/STS	78.6	67.4	62.5	9/20	34	1
Progeny	P4788RY	78.3	—	—	9/23	33	1
Progeny	P4900RY	77.7	71.9	70.7	9/19	27	1
REV	47R34	77.6	73.9	—	9/18	35	1
Great Heart Seed	GT476CR2	76.9	68.6	—	9/16	39	1
Armor	47-R13	76.0	68.5	68.8	9/16	34	1
Armor	DK4744	76.0	67.7	67.8	9/10	32	1
Mycogen	5N478R2	75.8	69.0	—	9/20	32	1
Asgrow	AG4835	75.5	—	—	9/19	31	1

¹Variety in italics denotes an experimental entry.

Table 38 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Morsoy Xtra	47X12	75.5	71.5	73.0	9/16	30	1
Dyna-Gro	S48RS53	75.2	71.1	72.4	9/17	29	1
Dyna-Gro	DG 37RY47	74.4	72.7	68.6	9/10	28	1
REV	49A55	74.3	—	—	9/17	33	1
Delta Grow	DG 4925 RR2	74.3	69.6	65.2	9/18	31	1
Dyna-Gro	S49RY25	74.2	—	—	9/19	32	1
Delta Grow	DG 4985RR2	73.8	—	—	9/17	35	1
Mycogen	5N479R2	73.6	—	—	9/15	34	1
Great Heart Seed	GT482 CR2	73.5	—	—	9/17	31	1
Mycogen	<i>MYCX 54490 NR2</i>	73.3	—	—	9/20	32	1
Dyna-Gro	<i>SX14847RS</i>	72.9	—	—	9/17	33	1
USG	74B83R	72.9	70.2	—	9/16	26	1
Delta Grow	DG 4970RR	72.9	56.6	57.7	9/19	32	1
Delta Grow	DG 4755 RR2	72.8	65.3	62.0	9/10	28	1
Morsoy Xtra	49X54	72.7	—	—	9/17	36	1
Progeny	P4850RYS	71.4	68.2	67.3	9/17	31	1
REV	49R94	71.3	63.3	—	9/16	34	1
Dyna-Gro	S47RY13	70.9	60.3	61.7	9/13	36	1
Armor	48-R66	70.9	72.0	—	9/18	26	1
Armor	<i>AX 4470</i>	70.6	—	—	9/15	34	1
USG	74B94RS	69.6	—	—	9/18	30	1
Delta Grow	DG 4825 RR2/STS	68.8	62.4	61.8	9/17	27	1
REV	48R22	68.7	—	—	9/10	29	1
Asgrow	AG4934	67.8	66.5	—	9/12	30	1
REV	47R53	67.7	—	—	9/6	34	1
Delta Grow	DG 4775 RR2/STS	67.5	—	—	9/12	31	1
Armor	<i>AX 4490</i>	66.7	—	—	9/16	34	1
Delta Grow	DG 4930 RR2/STS	66.2	—	—	9/16	32	1
Hornbeck	HBK RY4721	63.9	61.8	62.2	9/18	35	1
Armor	<i>AX 4480</i>	63.5	—	—	9/6	33	1
Morsoy Xtra	48X34	62.8	—	—	9/19	30	1
MPG	MPG 4714 NRR	62.1	59.3	—	9/6	41	1
Croplan	R2C 4873	61.8	—	—	9/17	33	1
REV	48R44	61.6	62.0	—	9/18	32	1
Hornbeck	CZ 4959 RY	60.3	—	—	9/10	32	1
Progeny	P4747RY	54.5	57.7	59.3	9/19	26	1
Delta Grow	DG 4940RR	45.5	48.4	—	9/22	23	1
Mean		71.5					
LSD (.10)		7.6					
Error df		104					
CV		7.9					
R ²		70.9					

¹Variety in italics denotes an experimental entry.

Table 39. Roundup Ready Maturity Group V Early Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV	56R63	89.6	80.3	73.4	9/27	30	1
REV	52A94	86.2	—	—	9/22	26	1
Progeny	P5555RY	85.9	81.5	—	10/3	26	1
Croplan	R2C 5081	83.6	78.2	73.6	9/28	25	1
Morsoy Xtra	54X41	83.5	—	—	9/25	26	1
Progeny	P5610RY	83.4	75.1	71.3	9/25	24	1
NK Brand	S55-Q3	83.0	—	—	9/27	26	1
Asgrow	AG5533	82.6	—	—	9/25	27	1
Great Heart Seed	GT516CR2	82.4	—	—	9/17	33	1
Progeny	P5333RY	82.4	72.2	—	9/23	27	1
Morsoy Xtra	51X31	82.3	—	—	9/23	24	1

¹Variety in italics denotes an experimental entry.

Table 39 (cont.). Roundup Ready Maturity Group V Early Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV	54R84	82.2	79.2	73.0	9/22	21	1
Mycogen	5N550R2	81.7	—	—	10/2	23	1
Asgrow	AG5335	81.2	—	—	9/23	30	1
Delta Grow	DG 5556RR	80.9	—	—	9/28	24	1
Dyna-Gro	S52RY75	79.5	—	—	9/25	28	1
Mycogen	5N522 R2	78.8	—	—	9/23	25	1
Delta Grow	DG 5480RR2	78.7	70.2	—	9/22	25	1
Asgrow	AG5535	78.5	—	—	9/27	25	1
Armor	51-R50	78.4	—	—	10/2	27	1
Hornbeck	HBK RY5421	78.1	76.0	72.0	9/27	29	1
MPG	5214NRR	77.8	64.3	—	9/22	31	1
Morsoy Xtra	53X82	77.2	—	—	10/2	28	1
Armor	53-R16	77.1	68.8	68.4	9/27	23	1
REV	55R53	76.9	73.6	71.0	10/2	29	1
Hornbeck	HBK RY5221	76.6	72.9	68.7	9/21	29	1
Dyna-Gro	32RY55	76.6	76.4	72.1	9/25	24	1
Armor	AX4500	76.3	—	—	9/19	32	1
Morsoy Xtra	56X02	75.2	—	—	10/3	54	2
Dyna-Gro	S56RY84	74.4	74.1	—	10/3	26	1
Delta Grow	DG 5230 RR2	73.3	—	—	9/23	28	1
REV	51R53	73.2	67.7	65.4	9/19	30	1
Univ. of Arkansas	<i>R10-197RY</i>	73.0	—	—	9/23	24	1
Univ. of Arkansas	<i>R10-428RY</i>	72.7	—	—	9/23	21	1
Armor	AX4520	72.6	—	—	9/23	27	1
Univ. of Arkansas	<i>R04-1250RR</i>	72.3	65.7	—	9/23	24	1
Dyna-Gro	S54RY43	72.1	73.8	71.0	9/29	24	1
Asgrow	AG5332	71.8	73.5	68.8	9/27	31	1
Mycogen	5N540R2	71.4	—	—	10/2	29	1
Univ. of Arkansas	<i>R10-130RY</i>	70.4	—	—	9/25	20	1
NK Brand	S52-Y2	70.3	72.1	—	9/20	26	1
REV	52R74	70.3	65.3	—	9/16	31	1
Great Heart Seed	GT-500CR2S	68.7	67.6	66.1	9/17	27	1
Armor	50-R44	66.5	—	—	9/18	34	1
Univ. of Arkansas	<i>R04-1268RR</i>	65.5	64.4	61.1	9/22	19	1
Asgrow	AG5233	64.8	68.9	66.2	9/19	23	1
NK Brand	S51-C5	62.3	—	—	9/22	24	1
Delta Grow	DG 5475RR2	61.7	56.7	58.9	10/1	23	1
Progeny	P5213RY	53.9	61.3	—	9/16	30	1
MPG	5314 NRR	53.5	—	—	9/9	35	1
Delta Grow	DG 5575RR2	50.8	63.3	—	10/2	21	1
Mean		74.9					
LSD (.10)		8.1					
Error df		100					
CV		8					
R ²		76.9					

¹Variety in italics denotes an experimental entry.

Table 40. Roundup Ready Maturity Group V Late Irrigated Soybeans (Dulaney Farms, Coahoma County).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV	57R21	87.9	77.5	—	9/23	35	1
Dyna-Gro	39RY57	80.7	76.0	73.7	9/25	30	1
Asgrow	AG5935	69.8	—	—	9/29	23	1
Asgrow	AG5831	68.2	66.2	63.5	9/27	20	1
Univ. of Arkansas	<i>R07-6614RR</i>	66.9	—	—	9/30	28	1
Mean		74.7					
LSD (.10)		10.9					
Error df		8					
CV		9.7					
R ²		72.4					

¹Variety in italics denotes an experimental entry.

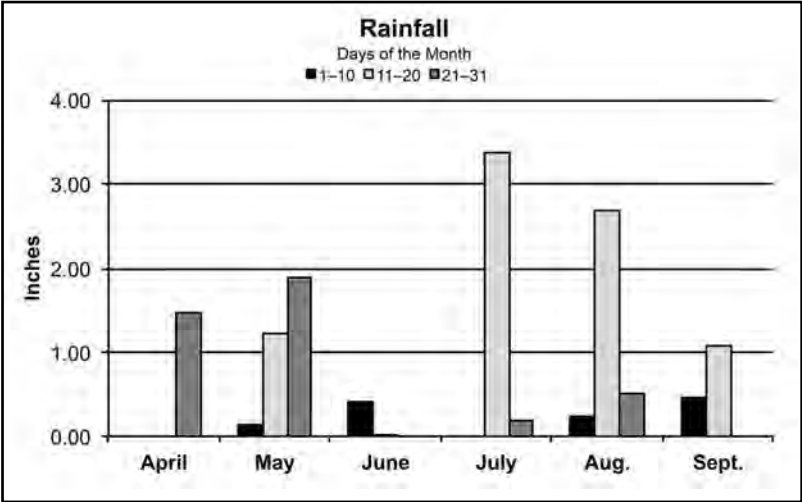
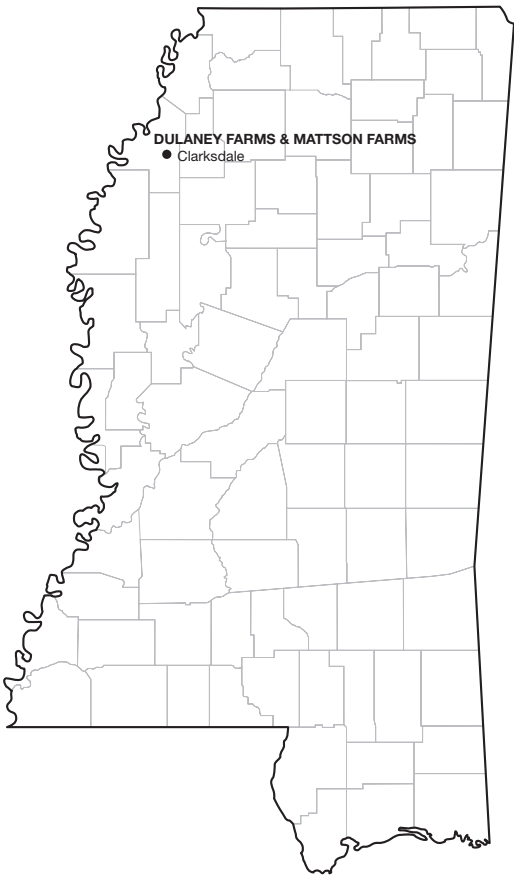
CLARKSDALE NONIRRIGATED, MATTSON FARMS

Crop Summary

Plots were planted into a freshly tilled seedbed. Soil moisture was adequate for germination. The plots quickly emerged to a good stand. Timely rains throughout the

season allowed for good, nonirrigated yields. Some deer predation was observed midseason, but it was mainly concentrated within the border that surrounded the trial.

- Planting date **April 24**
- Harvest date **IV Early Roundup Ready on September 15**
IV Late Roundup Ready on September 22
- Soil type **Dubbs very fine sandy loam**
- Soil pH **5.5**
- Soil fertility **P=H; K=H**
- Previous crop **Soybeans**
- Herbicide application ... **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 32 oz/A, and Gramoxone SL @ 32 oz/A on April 24**
Postemergence — Roundup Powermax @ 32 oz/A, Firstrate @ 0.3 oz/A, and Ultra Blazer @ 16 oz/A on July 7



Rainfall Summary

	Inches
April	1.46
May	3.27
June	0.43
July	3.56
August	3.42
September	1.54
Total	13.68

Table 41. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Mattson Farms, Coahoma County).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Croplan	R2C 4541	84.0	78.1	73.2	9/10	30	1
Armor	46-R65	82.7	72.3	—	9/10	32	1
USG	74F24RS	80.7	—	—	9/8	34	1
REV	46R64T	78.9	66.3	—	9/8	28	1
Dyna-Gro	31RY45	77.7	72.0	70.4	9/9	32	1
Armor	<i>AX4460</i>	76.9	—	—	9/11	34	1
Armor	<i>AX4450</i>	76.7	—	—	9/8	28	1
NK Brand	S46-L2	76.3	65.9	—	9/6	34	1
Asgrow	AG4232	75.7	68.6	69.5	9/6	31	1
Steyer	4303R2	74.9	—	—	9/4	33	1
Delta Grow	4670RR2	74.4	61.0	62.5	9/11	28	1
Mycogen	5N452R2	74.1	—	—	9/12	32	1
Hornbeck	HBK RY4620	73.6	73.0	71.5	9/9	30	1
NK Brand	S45-V8	73.3	—	—	9/3	32	1
Armor	43-R43	72.7	62.9	—	9/5	30	1
Progeny	P4510 RYS	71.4	67.0	64.9	9/6	35	1
Progeny	P4613 RYS	71.3	68.8	—	9/12	35	1
Dyna-Gro	S46RY85	70.8	—	—	9/10	31	1
Dyna-Gro	S43RY95	69.8	—	—	9/3	30	1
Asgrow	AG4533	69.5	66.2	63.1	9/11	36	1
Morsoy Xtra	<i>46X04</i>	69.3	—	—	9/11	31	1
Mycogen	5N451R2	69.0	67.2	—	9/12	36	1
Progeny	P4440 RY	68.4	—	—	8/30	36	1
Delta Grow	DG 4685RR2	68.3	—	—	9/11	27	1
Armor	<i>AX4430</i>	67.4	—	—	8/29	35	1
Asgrow	AG 4534	67.4	—	—	9/11	27	1
Morsoy Xtra	44X82	66.3	58.3	59.6	9/5	27	1
Asgrow	AG4632	66.2	68.5	64.1	9/11	29	1
Armor	<i>AX4440</i>	64.7	—	—	9/3	26	1
Armor	44-R08	61.0	61.5	59.9	9/3	34	1
USG	74F53R	60.7	55.5	—	9/9	28	1
Progeny	P4211RY	60.1	61.5	58.6	9/5	31	1
Asgrow	AG4135	59.0	—	—	8/27	31	1
Mean		71.3					
LSD (.10)		11.5					
Error df		64					
CV		11.8					
R ²		50					

¹Variety in italics denotes an experimental entry.

Table 42. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Mattson Farms, Coahoma County).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 4880RR	86.6	77.6	67.2	9/18	31	2
Mycogen	5N479R2	86.2	—	—	9/13	36	1
Asgrow	AG4835	85.3	—	—	9/5	35	2
Dyna-Gro	S49RY25	80.3	—	—	9/17	33	1
REV	47R34	79.7	76.8	—	9/15	37	1
Armor	<i>AX 4471</i>	78.1	—	—	9/6	33	2
MPG	MPG 4714 NRR	74.8	74.0	—	8/31	21	1
Dyna-Gro	S48RS53	74.2	66.2	65.0	9/12	35	1
Delta Grow	DG 4825 RR2/STS	73.4	68.0	59.5	9/16	24	1
REV	49A55	73.2	—	—	9/13	34	1
REV	47R53	73.0	—	—	9/10	35	2
Croplan	R2C 4873	72.6	—	—	9/10	29	1
Dyna-Gro	<i>SX14847RS</i>	71.3	—	—	9/16	29	1
REV	49R94	71.2	69.8	—	9/14	30	1
REV	48R22	71.2	—	—	9/4	33	2

¹Variety in italics denotes an experimental entry.

Table 42 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Mattson Farms, Coahoma County).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Hornbeck	HBK RY4721	69.6	67.7	57.4	9/15	34	1
Delta Grow	DG 4970RR	69.4	62.8	59.8	9/17	36	2
Dyna-Gro	DG 37RY47	69.0	68.1	61.8	9/12	32	1
Morsoy Xtra	48X02	68.5	73.4	68.2	9/12	37	2
Progeny	P4747RY	68.0	76.1	72.4	9/5	27	1
Armor	AX 4470	66.9	—	—	8/25	24	1
Progeny	P4850RYS	66.4	67.6	61.5	9/12	29	1
Armor	AX 4480	66.1	—	—	9/4	29	1
Mycogen	5N478R2	65.8	62.6	—	9/13	25	1
REV	48R44	64.8	64.5	—	9/17	36	2
USG	74B83R	64.4	70.2	—	9/12	28	1
Delta Grow	DG 4755 RR2	62.5	64.2	61.8	9/14	30	1
Delta Grow	DG 4930 RR2/STS	61.5	—	—	9/12	33	2
Morsoy Xtra	47X12	61.0	58.8	59.5	9/14	39	1
Armor	48-R66	60.4	66.2	—	9/13	24	1
Armor	DK4744	59.6	63.1	62.7	9/4	30	1
Great Heart Seed	GT476CR2	59.6	72.7	—	9/6	39	2
Asgrow	AG4934	59.3	62.5	—	9/10	34	1
Delta Grow	DG 4775 RR2/STS	58.0	—	—	9/12	31	1
Dyna-Gro	S47RY13	57.8	60.8	60.5	9/17	32	1
Croplan	R2C 4752S	57.8	62.1	64.6	8/31	32	1
Delta Grow	DG 4765 RR2/STS	57.6	59.9	62.5	9/17	28	1
Progeny	P4788RY	57.0	—	—	9/10	34	1
Delta Grow	DG 4925 RR2	56.3	58.8	58.7	9/17	29	1
Armor	49-R56	56.3	59.8	—	9/14	28	1
Progeny	P4848RYS	55.8	—	—	9/9	31	1
Delta Grow	DG 4940RR	55.6	58.4	—	9/18	31	1
Progeny	P4900RY	55.3	56.3	57.3	9/13	16	1
Mycogen	<i>MYCX 54490 NR2</i>	55.1	—	—	9/10	38	1
Morsoy Xtra	48X34	54.6	—	—	9/18	31	1
NK Brand	S47-K5	54.0	—	—	8/26	20	1
Great Heart Seed	GT482 CR2	53.4	—	—	8/26	26	1
Delta Grow	DG 4985RR2	53.3	—	—	9/12	36	1
Hornbeck	CZ 4959 RY	53.1	—	—	9/12	33	1
Armor	AX 4490	49.4	—	—	8/25	26	1
USG	74B94RS	47.9	—	—	9/17	32	1
Armor	47-R13	45.9	56.6	57.8	9/5	34	1
Morsoy Xtra	49X54	45.3	—	—	9/16	36	2
Mean		64.0					
LSD (.10)		11.9					
Error df		104					
CV		13.7					
R ²		68					

¹Variety in italics denotes an experimental entry.

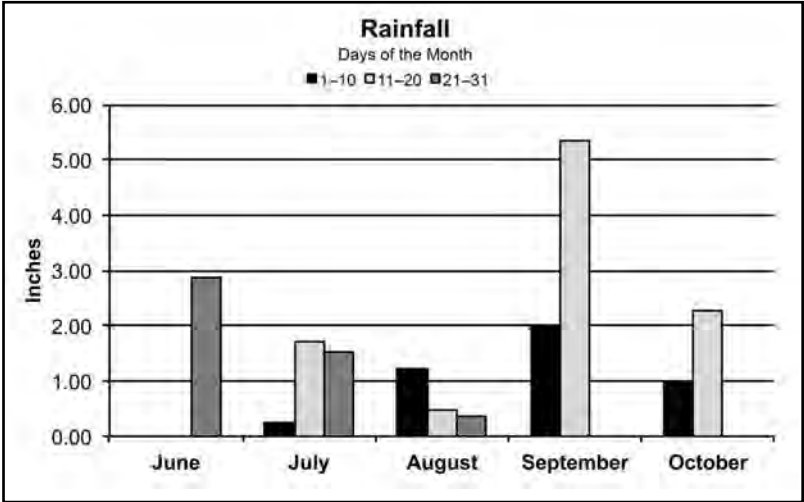
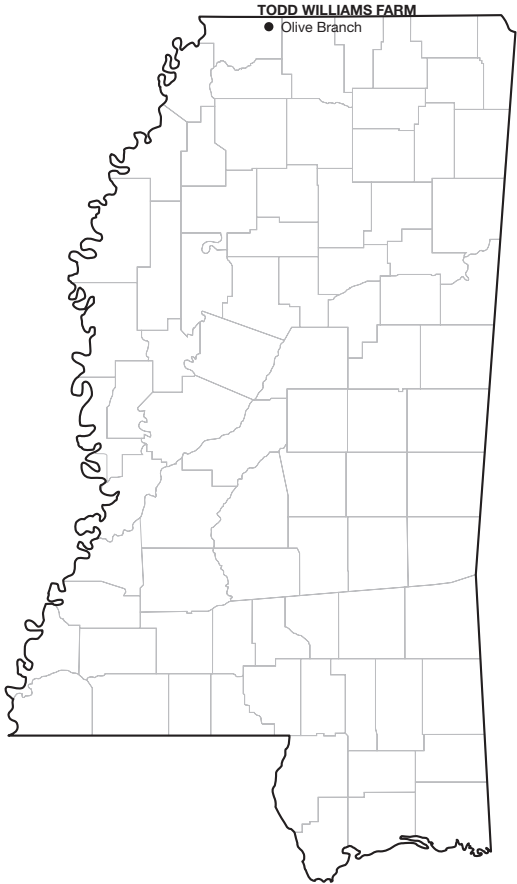
TODD WILLIAMS FARM, OLIVE BRANCH

Crop Summary

Soybean plots were planted into a freshly tilled seedbed. Frequent rains occurred throughout the spring, which delayed planting until late June. As a result of warm weather and adequate soil moisture, the plots quickly emerged to a good stand. Timely rains were observed

throughout the remainder of the growing season, supplying ample soil moisture. The plots were harvested in a timely manner without difficulty, and good yields were observed.

Planting date **June 19**
Harvest date **October 23**
Soil type **Collins silt loam**
Soil pH **5.8**
Soil fertility **P=H; K=M**
Previous crop **Corn**
Fertilizer added **Preplant – 0-30-105 + 10S**
Herbicide application . . . **Preemergence – Authority MTZ @ 12 oz/A and Dual II Magnum 24 oz/A on June 19**
Postemergence – Roundup Powermax @ 24 oz/A and Firstrate @ 0.3 oz/A on July 29



Rainfall Summary

	Inches
June	2.87
July	3.46
August	2.08
September	7.34
October	3.28
Total	19.03

Table 43. Roundup Ready Maturity Group IV Early Soybeans (Todd Williams Farm, Olive Branch).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	31RY45	67.1	80.5	64.0	9/23	37	1
Armor	46-R65	66.0	81.9	—	9/30	33	1
Morsoy Xtra	46X04	65.0	—	—	9/30	35	1
Dyna-Gro	S46RY85	64.8	—	—	10/7	29	1
Armor	AX4430	64.4	—	—	10/7	34	1
Croplan	R2C 4541	64.3	80.8	63.6	9/30	29	1
Progeny	P4510 RYS	63.3	79.0	65.9	9/30	24	1
Delta Grow	DG 4685RR2	63.2	—	—	9/23	29	1
Progeny	P4613 RYS	61.2	82.7	—	9/30	29	1
NK Brand	S46-L2	60.3	77.2	—	10/7	30	1
Asgrow	AG 4534	60.3	—	—	9/23	33	1
NK Brand	S45-V8	60.0	—	—	9/30	28	1
Hornbeck	HBK RY4620	59.6	80.0	65.3	9/30	34	1
Armor	AX4460	59.0	—	—	9/23	32	1
Asgrow	AG4135	58.3	—	—	9/23	34	1
REV	46R64T	58.1	76.9	—	9/30	34	1
Armor	AX4450	57.7	—	—	10/7	27	1
Delta Grow	4670RR2	55.6	71.8	57.0	9/23	35	1
Mycogen	5N451R2	55.5	79.1	—	10/7	36	1
Asgrow	AG4632	55.5	80.4	65.7	9/23	34	1
Mycogen	5N452R2	55.4	—	—	9/30	29	1
Armor	44-R08	55.1	78.5	62.4	10/7	29	1
USG	74F53R	55.0	72.9	—	9/30	31	1
Asgrow	AG4232	54.0	72.9	60.0	9/23	35	2
Progeny	P4440 RY	54.0	—	—	10/7	31	1
USG	74F24RS	53.7	—	—	10/7	27	1
Steyer	4303R2	52.5	—	—	9/30	33	1
Asgrow	AG4533	51.4	74.7	62.4	9/23	34	1
Progeny	P4211RY	50.3	75.3	60.0	9/30	32	1
Armor	AX4440	49.3	—	—	9/30	35	1
Morsoy Xtra	44X82	49.2	71.7	58.8	9/23	29	1
Dyna-Gro	S43RY95	39.4	—	—	9/30	29	1
Armor	43-R43	37.9	65.9	—	10/7	29	1
Mean		56.9					
LSD (.10)		10.9					
Error df		64					
CV		14.1					
R ²		60.9					

¹Variety in italics denotes an experimental entry.

Table 44. Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, Olive Branch).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	S48RS53	77.1	74.8	59.8	—	29	1
REV	49A55	74.7	—	—	—	22	1
Delta Grow	DG 4925 RR2	74.1	72.2	57.4	—	32	1
Morsoy Xtra	47X12	73.7	77.8	61.8	—	33	1
Delta Grow	DG 4765 RR2/STS	73.6	77.5	59.5	—	36	1
Asgrow	AG4934	72.4	76.5	—	—	34	1
Armor	47-R13	72.3	78.0	62.3	—	28	1
Progeny	P4788RY	71.1	—	—	—	35	1
NK Brand	S47-K5	70.8	—	—	—	25	1
Delta Grow	DG 4755 RR2	70.7	69.0	53.2	—	37	1
Dyna-Gro	S47RY13	70.7	71.1	55.8	—	29	1
Morsoy Xtra	48X02	70.7	77.1	62.2	—	32	1
Asgrow	AG4835	70.0	—	—	—	31	1
Mycogen	<i>MYCX 54490 NR2</i>	69.2	—	—	—	31	1
Progeny	P4850RYS	69.0	78.5	59.5	—	34	1
Great Heart Seed	GT482 CR2	68.8	—	—	—	30	1
Armor	49-R56	68.8	75.1	—	—	28	1

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 44 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, Olive Branch).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P4848RYS	68.4	—	—	—	32	1
Delta Grow	DG 4775 RR2/STS	68.4	—	—	—	32	1
Croplan	R2C 4752S	68.3	77.1	58.8	—	30	1
Morsoy Xtra	48X34	68.3	—	—	—	32	1
Dyna-Gro	DG 37RY47	68.2	77.4	59.4	—	28	1
Progeny	P4900RY	67.9	75.3	59.8	—	25	1
Dyna-Gro	SX14847RS	67.8	—	—	—	29	1
Delta Grow	DG 4985RR2	67.7	—	—	—	32	1
Progeny	P4747RY	67.3	71.0	57.2	—	30	1
Delta Grow	DG 4940RR	66.8	63.3	—	—	37	4
USG	74B83R	66.5	72.5	—	—	33	1
Delta Grow	DG 4825 RR2/STS	66.2	71.1	62.0	—	30	3
REV	47R34	66.1	73.7	—	—	35	1
Great Heart Seed	GT476CR2	65.9	72.0	—	—	32	1
REV	48R44	65.8	71.4	—	—	27	1
Armor	DK4744	65.8	71.6	58.3	—	30	1
Morsoy Xtra	49X54	65.1	—	—	—	38	1
REV	47R53	64.9	—	—	—	34	1
Armor	48-R66	64.6	74.8	—	—	27	1
Delta Grow	DG 4930 RR2/STS	64.4	—	—	—	25	1
Mycogen	5N479R2	64.4	—	—	—	31	1
Armor	AX 4471	63.9	—	—	—	33	1
Hornbeck	CZ 4959 RY	63.6	—	—	—	25	1
Croplan	R2C 4873	61.4	—	—	—	33	1
Armor	AX 4470	60.9	—	—	—	26	1
Armor	AX 4490	60.6	—	—	—	31	1
REV	48R22	60.1	—	—	—	27	1
Armor	AX 4480	60.1	—	—	—	31	1
Hornbeck	HBK RY4721	59.5	72.4	56.7	—	38	1
Dyna-Gro	S49RY25	58.6	—	—	—	35	1
Mycogen	5N478R2	58.5	68.9	—	—	36	1
REV	49R94	57.2	66.8	—	—	27	1
MPG	MPG 4714 NRR	56.6	62.1	—	—	24	1
USG	74B94RS	55.4	—	—	—	33	1
Delta Grow	DG 4970RR	53.7	60.2	56.3	—	33	1
Delta Grow	DG 4880RR	53.5	63.6	57.5	—	32	1
Mean		66					
LSD (.10)		7.8					
Error df		104					
CV		8.8					
R ²		73.4					
¹ Variety in italics denotes an experimental entry.							
² No maturity dates taken.							

Table 45. Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, Olive Branch).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	32RY55	86.1	85.7	70.6	10/15	36	2
Mycogen	5N550R2	83.2	—	—	10/21	38	2
Delta Grow	DG 5556RR	82.8	—	—	10/7	36	2
Armor	53-R16	80.5	78.5	61.2	10/15	39	3
Asgrow	AG5533	79.6	—	—	10/21	40	3
Asgrow	AG5535	79.2	—	—	10/15	30	1
REV	56R63	79.1	78.1	66.8	10/15	34	3
NK Brand	S55-Q3	78.8	—	—	10/7	39	3
Dyna-Gro	S56RY84	78.1	80.2	—	10/21	41	3
Progeny	P5610RY	77.6	78.0	65.3	10/7	28	1
Armor	AX4520	76.0	—	—	10/15	29	4
Morsoy Xtra	54X41	75.8	—	—	10/7	31	1
Armor	51-R50	75.4	—	—	10/7	30	2
Progeny	P5555RY	74.0	76.8	—	10/7	31	1
¹ Variety in italics denotes an experimental entry.							

Table 45 (cont.). Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, Olive Branch).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV	55R53	74.0	78.9	67.2	10/15	33	1
Croplan	R2C 5081	73.9	78.8	60.5	10/7	33	2
Morsoy Xtra	56X02	72.9	—	—	10/21	41	2
Mycogen	5N540R2	72.8	—	—	10/21	35	3
Delta Grow	DG 5480RR2	72.7	69.1	—	10/7	34	2
NK Brand	S52-Y2	72.7	82.0	—	10/7	31	1
Morsoy Xtra	51X31	72.0	—	—	10/7	34	2
Progeny	P5333RY	70.6	74.2	—	10/7	32	1
Delta Grow	DG 5230 RR2	70.6	—	—	10/15	34	2
MPG	5214NRR	70.6	64.2	—	10/7	42	3
Dyna-Gro	S52RY75	70.4	—	—	10/21	38	4
Mycogen	5N522 R2	70.2	—	—	10/15	32	3
Univ. of Arkansas	<i>R04-1250RR</i>	70.2	70.9	—	10/15	31	2
REV	52A94	70.2	—	—	10/7	37	4
Dyna-Gro	S54RY43	70.1	68.3	59.5	10/15	36	4
Armor	AX4500	69.1	—	—	10/15	36	1
Univ. of Arkansas	<i>R10-197RY</i>	68.9	—	—	10/7	31	1
Asgrow	AG5335	68.7	—	—	10/15	34	1
REV	51R53	68.4	73.1	57.1	10/21	34	1
REV	52R74	68.2	71.2	—	10/7	33	1
REV	54R84	68.0	70.6	57.8	10/7	30	1
Hornbeck	HBK RY5421	67.9	72.1	53.7	10/21	33	2
Great Heart Seed	GT-500CR2S	66.1	70.4	56.4	10/21	25	1
MPG	5314 NRR	65.3	—	—	10/7	32	1
Univ. of Arkansas	<i>R10-130RY</i>	65.2	—	—	10/15	27	1
NK Brand	S51-C5	65.1	—	—	10/15	25	2
Morsoy Xtra	53X82	65.1	—	—	10/7	33	3
Great Heart Seed	GT516CR2	65.0	—	—	10/21	32	1
Hornbeck	HBK RY5221	63.1	71.6	55.8	10/21	35	2
Delta Grow	DG 5575RR2	63.0	66.8	—	10/7	34	1
Armor	50-R44	62.2	—	—	10/15	34	1
Asgrow	AG5332	61.4	73.1	57.2	10/7	31	1
Univ. of Arkansas	<i>R04-1268RR</i>	61.0	63.5	50.1	10/7	28	2
Delta Grow	DG 5475RR2	60.9	68.5	58.4	10/7	29	1
Asgrow	AG5233	60.6	74.8	57.6	10/15	31	1
Univ. of Arkansas	<i>R10-428RY</i>	60.1	—	—	10/15	31	1
Progeny	P5213RY	59.1	69.0	—	9/30	35	1
Mean		70.6					
LSD (.10)		8.5					
Error df		100					
CV		8.9					
R ²		74.5					

¹Variety in italics denotes an experimental entry.

Table 46. Roundup Ready Maturity Group V Late Nonirrigated Soybeans (Todd Williams Farm, Olive Branch).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	39RY57	78.6	75.8	62.8	—	—	—
Asgrow	AG5831	74.0	67.7	59.0	—	—	—
Asgrow	AG5935	73.4	—	—	—	—	—
REV	57R21	68.7	67.8	—	—	—	—
Univ. of Arkansas	<i>R07-6614RR</i>	67.4	—	—	—	—	—
Mean		72.4					
LSD (.10)		11.6					
Error df		8					
CV		10.5					
R ²		58.5					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

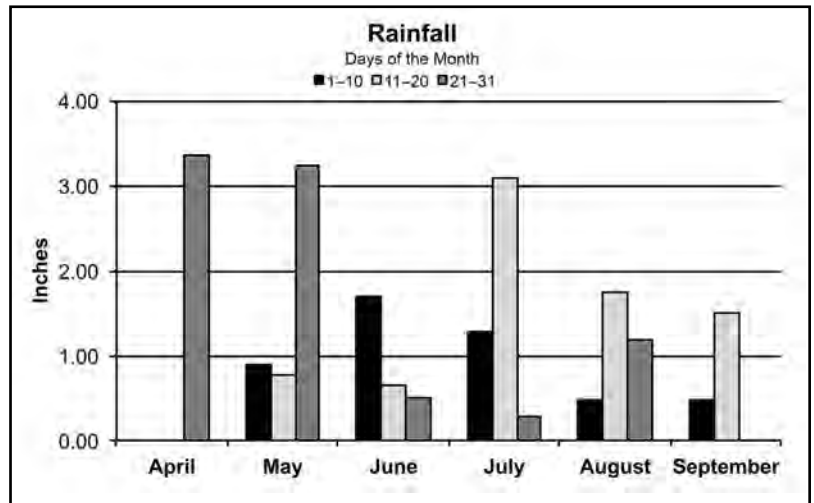
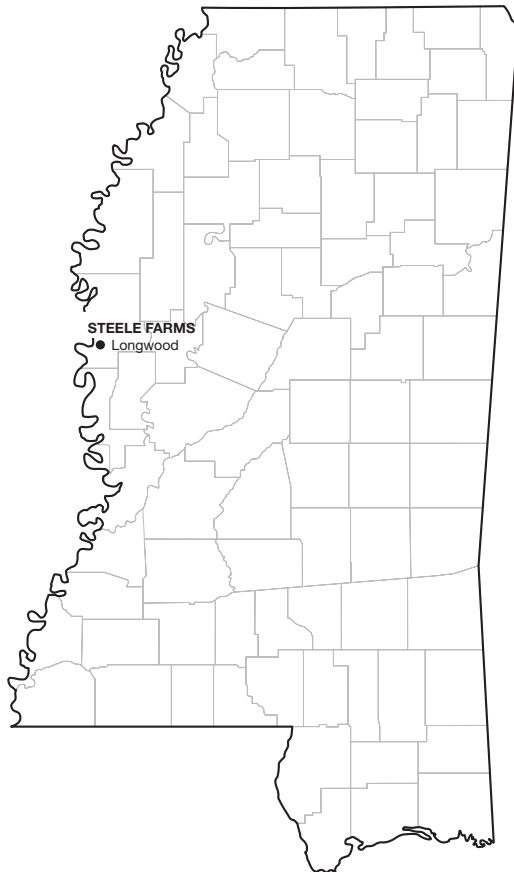
LONGWOOD, STEELE FARMS

Crop Summary

Soil moisture was very high at the time of planting. Just before planting, the soil was lightly disturbed in an effort to dry out the soil enough to plant. The plots were planted in late April and quickly emerged to a good stand. Abundant rainfall was observed in the weeks after planting, resulting in very saturated soil conditions. These saturated conditions seemed to stunt the plants and prevent

them from obtaining much overall plant height and canopy the middles. A combination of rainfall and timely irrigations allowed for adequate soil moisture throughout the remainder of the season. Harvest was completed in a timely manner; however, some shattering was observed in some of the earlier-maturing varieties.

Planting date April 26
Harvest date September 25
Soil type Sharkey clay
Soil pH 6.9
Soil fertility P=H; K=H
Previous crop Rice
Irrigation dates Furrow-irrigated, as needed
Herbicide application ... Preemergence – Authority MTZ @ 12 oz/A, Dual II Magnum 32 oz/A, and Gramoxone SL @ 32 oz/A on April 26
 Postemergence – Roundup Ready, Liberty Link, and Conventional – Select @ 12 oz/A, Firstrate @ 32 oz/A, and Ultra Blazer @ 24 oz/A on June 19
 Roundup Ready – Roundup Powermax @ 32 oz/A, Dual II Magnum @ 24 oz/A, and Classic @ 0.75 oz/A on July 8
 Liberty Link – Liberty @ 29 oz/A, Dual II Magnum @ 24 oz/A, and Classic @ 0.75 oz/A on July 8
 Conventional – Select @ 12 oz/A, Dual II Magnum @ 24 oz/A, and Classic @ 0.75 oz/A on July 8



Rainfall Summary

	Inches
April	3.35
May	4.89
June	2.86
July	4.65
August	3.40
September	1.98
Total	21.13

Table 47. Group IV Conventional Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score	Shattering
		2014	2-yr. avg.	3-yr. avg.				
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>	<i>%</i>
Univ. of Missouri	<i>S11-20356</i>	53.9	—	—	—	18	1	—
MPG	483C	51.6	—	—	—	22	1	—
Univ. of Arkansas	<i>R05-3239</i>	46.3	64.1	66.1	—	15	1	—
USG	Ellis	44.2	—	—	—	15	1	—
Univ. of Missouri	<i>S09-6262</i>	42.0	—	—	—	17	1	5
Univ. of Arkansas	<i>R09-4571</i>	37.1	—	—	—	16	1	—
Univ. of Arkansas	<i>R08-2797</i>	36.5	—	—	—	21	1	—
Mean		44.5						
LSD (.10)		9						
Error df		12						
CV		13.8						
R ²		67.4						

¹Variety in italics denotes an experimental entry.

²No maturity dates taken.

Table 48. Maturity Group V Conventional Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Univ. of Missouri	<i>S11-20124</i>	64.5	—	—	—	24	1
Univ. of Arkansas	UA 5612	59.5	—	—	—	20	1
Stratton Seed	Leland	55.9	65.7	—	—	18	1
USDA-ARS	<i>JTN-5110</i>	55.7	—	—	—	18	1
Univ. of Arkansas	Osage	51.5	66.0	65.4	—	13	1
Univ. of Arkansas	Ozark	49.5	65.6	67.9	—	14	1
Univ. of Arkansas	UA 5213C	47.4	69.5	67.9	—	15	1
Univ. of Arkansas	<i>R09-430</i>	45.9	—	—	—	15	1
Univ. of Arkansas	<i>R05-374</i>	45.4	61.1	—	—	16	1
Mean		52.8					
LSD (.10)		9.5					
Error df		16					
CV		12.6					
R ²		67.6					

¹Variety in italics denotes an experimental entry.

²No maturity dates taken.

Table 49. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score	Shattering
		2014	2-yr. avg.	3-yr. avg.				
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>	<i>%</i>
Asgrow	AG4632	61.6	72.8	70.4	—	21	1	—
Mycogen	5N452R2	58.3	—	—	—	20	1	—
Dyna-Gro	31RY45	56.3	65.8	64.3	—	20	1	—
NK Brand	S45-V8	55.9	—	—	—	20	1	—
NK Brand	S46-L2	55.0	70.8	—	—	20	1	5
Progeny	P4510 RYS	53.9	61.8	60.6	—	16	1	—
Mycogen	5N451R2	52.3	67.8	—	—	19	1	—
Croplan	R2C 4541	50.6	66.8	64.8	—	23	1	—
Delta Grow	4670RR2	48.9	64.1	65.2	—	19	1	—
USG	74F53R	48.8	60.8	—	—	20	1	—
Asgrow	AG4533	48.6	61.4	61.2	—	21	1	—
Armor	AX4460	48.3	—	—	—	20	1	—
Progeny	P4613 RYS	48.3	64.8	—	—	22	1	—
Hornbeck	HBK RY4620	48.0	63.2	58.5	—	20	1	—
Steyer	4303R2	46.9	—	—	—	18	1	5
Morsoy Xtra	44X82	45.8	58.3	55.7	—	19	1	—
USG	74F24RS	45.4	—	—	—	14	1	10
REV	46R64T	44.9	63.2	—	—	14	1	5

¹Variety in italics denotes an experimental entry.

²No maturity dates taken.

Table 49 (cont.). Roundup Ready Maturity Group IV Early Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score	Shattering
		2014	2-yr. avg.	3-yr. avg.				
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>	<i>%</i>
Asgrow	AG4232	43.8	59.7	53.4	—	18	1	—
Armor	<i>AX4450</i>	43.6	—	—	—	20	1	—
Armor	46-R65	43.3	61.9	—	—	20	1	—
Dyna-Gro	S43RY95	42.9	—	—	—	16	1	—
Dyna-Gro	S46RY85	42.8	—	—	—	16	1	10
Asgrow	AG 4534	41.8	—	—	—	21	1	—
Morsoy Xtra	<i>46X04</i>	41.4	—	—	—	15	1	5
Delta Grow	DG 4685RR2	39.2	—	—	—	23	1	—
Armor	<i>AX4440</i>	35.9	—	—	—	18	1	—
Progeny	P4440 RY	35.5	—	—	—	16	1	25
Asgrow	AG4135	33.7	—	—	—	15	1	10
Armor	44-R08	33.3	50.7	50.8	—	15	1	5
Progeny	P4211RY	33.2	58.5	56.0	—	15	1	10
Armor	<i>AX4430</i>	32.1	—	—	—	21	1	15
Armor	43-R43	28.0	50.8	—	—	16	1	5
Mean		54.6						
LSD (.10)		10.1						
Error df		64						
CV		16.4						
R ²		67						

¹Variety in italics denotes an experimental entry.

²No maturity dates taken.

Table 50. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score	Shattering
		2014	2-yr. avg.	3-yr. avg.				
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>	<i>%</i>
Delta Grow	DG 4940RR	64.0	70.4	—	—	21	1	—
Armor	<i>AX 4470</i>	63.8	—	—	—	20	1	—
Progeny	P4848RYS	63.4	—	—	—	22	1	—
Armor	<i>AX 4471</i>	60.6	—	—	—	23	1	—
Delta Grow	DG 4775 RR2/STS	58.6	—	—	—	25	1	—
Morsoy Xtra	<i>48X34</i>	58.6	—	—	—	20	1	—
Armor	49-R56	58.0	70.3	—	—	23	1	5
Dyna-Gro	DG 37RY47	56.8	69.3	68.0	—	21	1	—
Delta Grow	DG 4930 RR2/STS	56.0	—	—	—	17	1	—
Dyna-Gro	<i>SX14847RS</i>	55.8	—	—	—	19	1	—
Asgrow	AG4934	55.2	68.4	—	—	23	1	—
REV	49R94	54.9	64.7	—	—	20	1	—
Great Heart Seed	GT482 CR2	54.4	—	—	—	21	1	—
Delta Grow	DG 4925 RR2	54.0	64.3	66.9	—	23	1	—
Delta Grow	DG 4825 RR2/STS	53.3	66.2	68.0	—	19	1	—
Armor	<i>AX 4490</i>	53.1	—	—	—	21	1	—
REV	47R53	53.0	—	—	—	21	1	5
REV	49A55	52.9	—	—	—	18	1	5
Morsoy Xtra	47X12	52.7	65.1	68.1	—	22	1	5
Morsoy Xtra	<i>49X54</i>	51.8	—	—	—	25	1	—
Mycogen	5N478R2	51.5	62.5	—	—	20	1	5
Armor	47-R13	51.4	63.4	66.2	—	17	1	—
Croplan	R2C 4752S	51.2	63.4	64.4	—	16	1	—
Progeny	P4900RY	51.1	66.5	70.1	—	18	1	—
Delta Grow	DG 4765 RR2/STS	51.0	65.2	67.3	—	18	1	—
Armor	<i>AX 4480</i>	50.9	—	—	—	23	1	—
REV	48R44	50.8	64.7	—	—	22	1	—
MPG	MPG 4714 NRR	50.6	57.1	—	—	24	1	—
Delta Grow	DG 4985RR2	49.9	—	—	—	24	1	—
Dyna-Gro	S49RY25	49.8	—	—	—	28	1	—
Armor	DK4744	49.7	62.8	65.7	—	21	1	—
Morsoy Xtra	48X02	49.5	64.0	64.1	—	19	1	10
Great Heart Seed	GT476CR2	49.3	64.6	—	—	27	1	—
NK Brand	S47-K5	49.2	—	—	—	16	1	—

¹Variety in italics denotes an experimental entry.

²No maturity dates taken.

Table 50 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score	Shattering
		2014	2-yr. avg.	3-yr. avg.				
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>	<i>%</i>
Progeny	P4788RY	49.1	—	—	—	23	1	—
Delta Grow	DG 4880RR	48.6	60.3	61.7	—	22	1	—
Dyna-Gro	S48RS53	47.6	61.4	62.7	—	19	1	—
Mycogen	<i>MYCX 54490 NR2</i>	47.0	—	—	—	15	1	—
Asgrow	AG4835	46.3	—	—	—	22	1	—
REV	47R34	46.2	60.1	—	—	20	1	5
Progeny	P4850RYS	45.7	62.2	64.6	—	21	1	—
Progeny	P4747RY	45.1	62.9	66.3	—	17	1	—
USG	74B94RS	44.8	—	—	—	18	1	—
Delta Grow	DG 4755 RR2	44.5	60.2	62.2	—	18	1	10
Mycogen	5N479R2	43.9	—	—	—	17	1	—
REV	48R22	42.8	—	—	—	15	1	10
Dyna-Gro	S47RY13	42.6	58.3	61.5	—	21	1	10
Hornbeck	CZ 4959 RY	42.4	—	—	—	20	1	—
Delta Grow	DG 4970RR	41.2	56.5	60.5	—	25	1	—
Hornbeck	HBK RY4721	41.0	58.1	59.8	—	22	1	—
Croplan	R2C 4873	40.2	—	—	—	14	1	—
Armor	48-R66	38.5	57.3	—	—	15	1	—
USG	74B83R	34.8	56.4	—	—	17	1	—
Mean		50.4						
LSD (.10)		8.4						
Error df		104						
CV		12.4						
R ²		68.4						

¹Variety in italics denotes an experimental entry.

²No maturity dates taken.

Table 51. Roundup Ready Maturity Group V Early Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
NK Brand	S55-Q3	86.0	—	—	—	19	1
Morsoy Xtra	56X02	79.1	—	—	—	42	2
Progeny	P5555RY	76.0	74.6	—	—	21	1
MPG	5214NRR	73.8	69.3	—	—	22	1
Asgrow	AG5535	73.7	—	—	—	19	1
Delta Grow	DG 5556RR	72.8	—	—	—	16	1
Dyna-Gro	S56RY84	72.0	72.8	—	—	20	1
REV	55R53	71.6	76.5	75.5	—	16	1
Croplan	R2C 5081	71.3	73.3	69.1	—	19	1
Mycogen	5N550R2	71.1	—	—	—	21	1
REV	56R63	70.1	73.1	69.4	—	17	1
Morsoy Xtra	54X41	69.1	—	—	—	16	1
Asgrow	AG5533	68.6	—	—	—	19	1
REV	54R84	67.9	74.0	72.5	—	14	1
Morsoy Xtra	53X82	65.9	—	—	—	17	1
Delta Grow	DG 5230 RR2	65.6	—	—	—	21	1
Delta Grow	DG 5575RR2	65.5	70.3	—	—	17	1
Dyna-Gro	32RY55	65.4	72.1	72.5	—	20	1
Univ. of Arkansas	<i>R10-197RY</i>	65.1	—	—	—	17	1
Mycogen	<i>5N522 R2</i>	65.1	—	—	—	15	1
Progeny	P5610RY	63.4	72.1	69.9	—	17	1
Armor	53-R16	63.1	71.4	69.7	—	18	1
Armor	51-R50	62.8	—	—	—	21	1
REV	52A94	62.4	—	—	—	21	1
Armor	AX4520	61.9	—	—	—	18	1
NK Brand	S51-C5	61.8	—	—	—	15	1
Univ. of Arkansas	<i>R10-130RY</i>	61.5	—	—	—	16	1
Morsoy Xtra	51X31	61.0	—	—	—	15	1
Asgrow	AG5335	60.9	—	—	—	23	1
Progeny	P5333RY	58.0	69.5	—	—	20	1

¹Variety in italics denotes an experimental entry.

²No maturity dates taken.

Table 51 (cont.). Roundup Ready Maturity Group V Early Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Great Heart Seed	GT516CR2	56.7	—	—	—	22	1
Hornbeck	HBK RY5421	56.6	64.8	63.5	—	19	1
Univ. of Arkansas	<i>R04-1250RR</i>	56.4	63.4	—	—	15	1
REV	52R74	56.1	66.1	—	—	22	1
Armor	50-R44	55.8	—	—	—	28	1
Dyna-Gro	S54RY43	54.0	67.7	65.5	—	16	1
Hornbeck	HBK RY5221	53.8	62.5	62.2	—	20	1
MPG	5314 NRR	52.8	—	—	—	25	1
Delta Grow	DG 5480RR2	51.9	63.9	—	—	21	1
REV	51R53	50.9	59.0	58.4	—	20	1
Dyna-Gro	S52RY75	50.0	—	—	—	17	1
Progeny	P5213RY	49.9	60.7	—	—	26	1
Asgrow	AG5332	49.5	61.1	64.5	—	21	1
Armor	<i>AX4500</i>	49.4	—	—	—	27	1
Delta Grow	DG 5475RR2	49.1	60.3	59.5	—	17	1
Univ. of Arkansas	<i>R10-428RY</i>	48.8	—	—	—	21	1
NK Brand	S52-Y2	47.2	56.9	—	—	20	1
Asgrow	AG5233	45.3	63.2	61.7	—	22	1
Mycogen	5N540R2	44.5	—	—	—	18	1
Univ. of Arkansas	<i>R04-1268RR</i>	40.1	54.1	53.5	—	13	1
Great Heart Seed	GT-500CR2S	40.1	53.2	55.8	—	16	1
Mean		60.6					
LSD (.10)		7.9					
Error df		100					
CV		9.7					
R ²		83					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 52. Roundup Ready Maturity Group V Late Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Univ. of Arkansas	<i>R07-6614RR</i>	77.0	—	—	—	21	1
REV	57R21	73.9	78.5	—	—	19	1
Dyna-Gro	39RY57	70.2	75.8	73.6	—	21	1
Asgrow	AG5935	63.2	—	—	—	18	1
Asgrow	AG5831	61.3	69.5	66.9	—	17	1
Mean		69.1					
LSD (.10)		9					
Error df		8					
CV		8.7					
R ²		71.7					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 53. Maturity Group IV LL Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score	Shattering
		2014	2-yr. avg.	3-yr. avg.				
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>	<i>%</i>
Dyna-Gro	S49LL34	67.6	69.2	—	—	31	1	—
Delta Grow	DG 4967LL	67.1	—	—	—	37	1	—
REV	49L29	64.3	—	—	—	28	1	—
Progeny	P4930LL	64.1	68.9	—	—	30	1	—
Delta Grow	DG 4767LL/STS	62.4	68.1	—	—	32	1	—
Hornbeck	LL 4950	59.4	65.5	—	—	32	1	—

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 53 (cont.). Maturity Group IV LL Irrigated Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score	Shattering
		2014	2-yr. avg.	3-yr. avg.				
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>	<i>%</i>
Hornbeck	HBK LL4953	58.7	—	—	—	26	1	—
USG	74G74LS	57.7	—	—	—	38	1	—
Dyna-Gro	S49LS65	56.6	—	—	—	37	1	—
Halo	4:97	56.6	62.0	—	—	39	1	—
Delta Grow	DG 4981LL/STS	56.2	60.4	67.6	—	44	2	—
Halo	4:94	54.4	63.9	66.7	—	37	1	—
Progeny	P4928LL	54.4	62.6	64.6	—	35	1	—
GoSoy	4914	54.2	—	—	—	35	1	—
GoSoy	4713	54.0	—	—	—	37	1	—
Halo	X449	53.1	—	—	—	35	1	—
Delta Grow	DG 4990LL	52.2	62.2	45.2	—	32	1	—
Progeny	P 4620 LLS	49.2	—	—	—	31	1	—
Hornbeck	<i>CZ 4748 LL</i>	48.6	—	—	—	23	1	—
Halo	X448	47.2	—	—	—	24	1	—
Halo	4:95	46.3	—	—	—	28	1	—
Progeny	P4819LL	44.0	56.1	58.9	—	24	1	—
Delta Grow	DG 4867LL	43.6	—	—	—	26	1	—
Halo	4:76	37.1	—	—	—	28	1	—
Hornbeck	LL 4650	32.5	53.0	—	—	17	1	—
Hornbeck	LL 4850	31.6	50.4	—	—	20	1	—
Progeny	P4560LL	26.2	50.1	—	—	23	1	—
Halo	4:40	24.1	—	—	—	25	1	10
Mean		50.8						
LSD (.10)		7.6						
Error df		54						
CV		10.9						
R ²		87.5						

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

Table 54. Maturity Group V Liberty Link Soybeans (Steele Farms, Washington County).

Brand	Variety ¹	Yield			Maturity date ²	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 5067 LL	72.5	—	—	—	26	1
Halo	X451	66.5	—	—	—	31	1
Halo	X452	66.1	—	—	—	33	1
Hornbeck	<i>CZ 5150 LL</i>	65.6	—	—	—	27	1
Hornbeck	5242LL	65.6	—	—	—	32	1
Halo	5:01	65.5	—	—	—	37	1
Halo	5:25	63.2	—	—	—	16	1
REV	55L95	62.0	—	—	—	34	1
GoSoy	5214	61.9	—	—	—	31	1
Progeny	P5220LLS	61.0	—	—	—	36	1
Progeny	P5460LL	59.0	64.3	65.5	—	28	1
Delta Grow	DG 5367LL	58.9	—	—	—	22	1
Halo	5:26	57.4	—	—	—	19	1
Delta Grow	DG 5461LL	55.3	65.6	67.4	—	27	1
Progeny	P5160LL	41.8	67.8	69.2	—	12	1
Progeny	P5960LL	40.1	61.7	62.5	—	14	1
Delta Grow	DG 5481LL	36.7	56.0	—	—	21	1
Halo	5:45	33.3	60.3	61.1	—	15	1
Mean		57.3					
LSD (.10)		12.2					
Error df		34					
CV		15.5					
R ²		72.4					

¹Variety in italics denotes an experimental entry.
²No maturity dates taken.

BROOKSVILLE, BLACK BELT BRANCH

Crop Summary

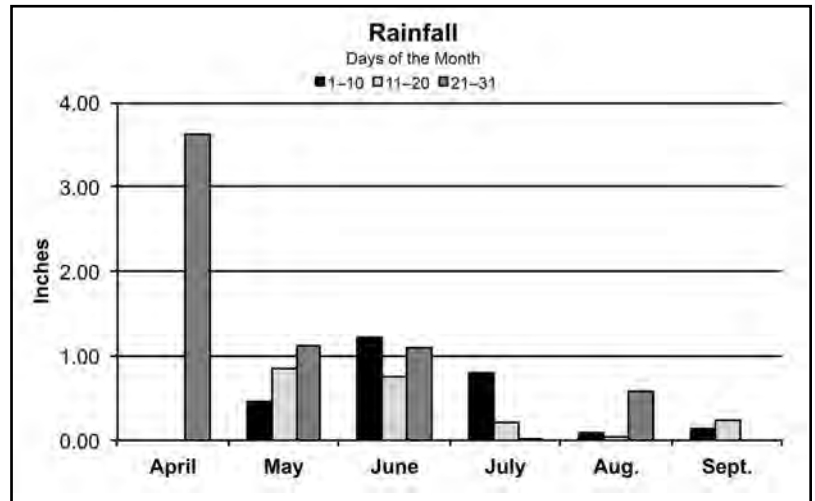
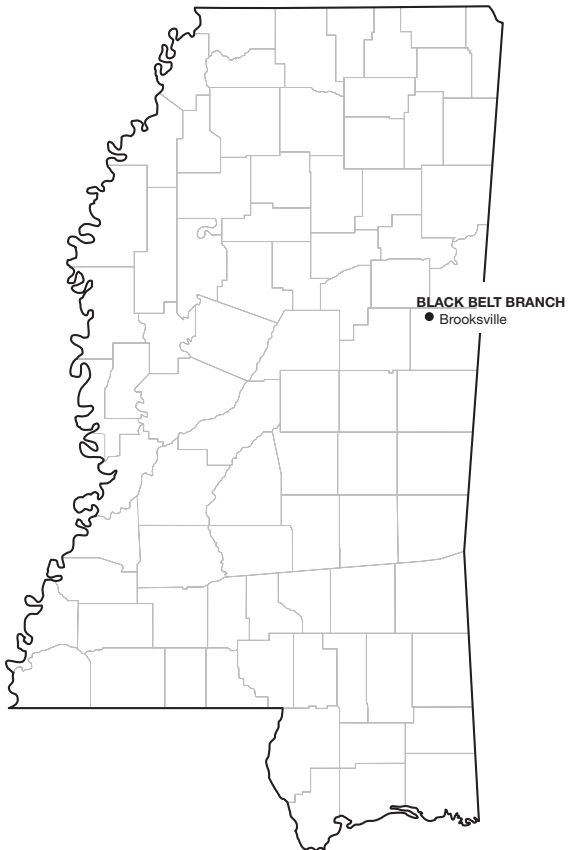
All soybean plots were planted in late April into a stale seedbed with good soil moisture. The plots quickly germinated and emerged to a good stand. Timely rains

allowed for adequate soil moisture throughout the growing season. Harvest was completed in a timely manner with no weather delays.

Planting date **April 25**
Harvest date **IV Early & IV Late Roundup Ready on August 28**
 IV Conventional on September 8
 V Conventional on September 19
 V Early and V Late Roundup Ready on September 19
 IV and V Liberty Link on September 19

Soil type **Brooksville silty clay**
Soil pH **5.9**
Soil fertility **P=H; K=H**
Previous crop **Corn**

Herbicide application ... **Preemergence – Authority MTZ @ 12 oz/A, Dual II Magnum @ 32 oz/A, Gramoxone SL @ 32 oz/A, and Python @ 1.25 oz/A on April 25**
Postemergence –
 Roundup Ready – Roundup Powermax @ 32 oz/A and Firstrate @ 0.3 oz/A on July 1
 Liberty Link – Liberty @ 29 oz/A and Firstrate @ 0.3 oz/A on July 1
 Conventional – Select @ 12 oz/A, Firstrate @ 0.6 oz/A, and Ultra Blazer @ 16 oz/A on July 1



Rainfall Summary

	Inches
April	3.61
May	2.41
June	3.06
July	1.03
August	0.71
September	0.39
Total	11.21

Table 55. Maturity Group IV Conventional Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Univ. of Missouri	<i>S11-20356</i>	64.4	—	—	8/30	24	1
Univ. of Arkansas	<i>R09-4571</i>	55.5	—	—	8/23	37	1
MPG	483C	55.3	—	—	8/28	32	1
USG	Ellis	53.6	—	—	8/30	21	1
Univ. of Arkansas	<i>R05-3239</i>	52.5	49.3	53.3	8/29	23	1
Univ. of Missouri	<i>S09-6262</i>	51.5	—	—	8/22	33	1
Univ. of Arkansas	<i>R08-2797</i>	50.5	—	—	8/26	30	1
Mean		54.8					
LSD (.10)		7					
Error df		12					
CV		8.8					
R ²		62.2					

¹Variety in italics denotes an experimental entry.**Table 56. Maturity Group V Conventional Nonirrigated Soybeans (Black Belt Branch Station, Brooksville).**

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
USDA-ARS	<i>JTN-5110</i>	56.7	—	—	8/29	38	1
Univ. of Arkansas	<i>R09-430</i>	53.4	—	—	9/5	22	1
Univ. of Arkansas	UA 5612	50.5	—	—	9/9	20	1
Univ. of Arkansas	<i>R05-374</i>	50.4	50.2	—	9/4	18	1
Stratton Seed	Leland	50.3	51.7	—	8/30	24	1
Univ. of Missouri	<i>S11-20124</i>	49.4	—	—	9/16	23	1
Univ. of Arkansas	UA 5213C	48.4	52.9	53.5	9/4	21	1
Univ. of Arkansas	Ozark	45.6	43.3	50.8	9/4	24	1
Univ. of Arkansas	Osage	44.5	46.0	50.9	9/3	20	1
Mean		49.9					
LSD (.10)		7.2					
Error df		16					
CV		10.1					
R ²		50.7					

¹Variety in italics denotes an experimental entry.**Table 57. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Black Belt Branch Station, Brooksville).**

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Morsoy Xtra	<i>46X04</i>	60.6	—	—	8/18	31	1
Dyna-Gro	31RY45	60.5	59.2	62.4	8/18	31	1
Mycogen	5N452R2	59.9	—	—	8/17	31	1
Croplan	R2C 4541	59.2	58.6	62.6	8/18	30	1
Armor	46-R65	59.0	56.1	—	8/15	32	1
Delta Grow	DG 4685RR2	58.9	—	—	8/18	27	1
Armor	<i>AX4450</i>	58.6	—	—	8/18	29	1
Dyna-Gro	S46RY85	58.4	—	—	8/18	30	1
Asgrow	AG4533	57.8	57.2	59.1	8/14	35	1
USG	74F24RS	57.4	—	—	8/16	35	1
Dyna-Gro	S43RY95	57.4	—	—	8/16	33	1
Progeny	P4613 RYS	57.1	57.8	—	8/18	33	1
Asgrow	AG4632	56.7	55.8	59.4	8/20	30	1
Morsoy Xtra	44X82	55.7	55.7	56.0	8/15	31	1
Steyer	4303R2	55.2	—	—	8/15	36	1
Progeny	P4440 RY	55.1	—	—	8/14	36	1

¹Variety in italics denotes an experimental entry.

Table 57 (cont.). Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
NK Brand	S46-L2	54.8	63.4	—	8/15	35	1
Armor	44-R08	54.7	58.0	58.4	8/16	27	1
Armor	<i>AX4430</i>	54.3	—	—	8/16	31	1
Armor	<i>AX4460</i>	54.1	—	—	8/18	33	1
Mycogen	5N451R2	53.5	58.9	—	8/18	34	1
Asgrow	AG 4534	53.4	—	—	8/18	30	1
Progeny	P4510 RYS	53.1	52.9	57.1	8/15	31	1
Delta Grow	4670RR2	52.4	55.9	56.9	8/19	32	1
Asgrow	AG4232	51.9	53.3	57.0	8/18	22	1
Armor	43-R43	51.8	54.3	—	8/18	26	1
Progeny	P4211RY	50.2	53.7	54.3	8/15	28	1
REV	46R64T	50.0	54.0	—	8/16	29	1
Hornbeck	HBK RY4620	48.6	52.6	56.1	8/25	30	1
NK Brand	S45-V8	47.3	—	—	8/14	33	1
Asgrow	AG4135	46.2	—	—	8/14	27	1
USG	74F53R	45.0	50.4	—	8/18	29	1
Armor	<i>AX4440</i>	40.6	—	—	8/15	29	1
Mean		54.2					
LSD (.10)		6.5					
Error df		64					
CV		8.7					
R ²		61.3					

¹Variety in italics denotes an experimental entry.

Table 58. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV	47R34	65.9	63.6	—	8/15	38	1
Delta Grow	DG 4765 RR2/STS	63.8	61.0	68.1	8/21	35	1
Mycogen	<i>MYCX 54490 NR2</i>	62.2	—	—	8/21	37	1
REV	47R53	62.1	—	—	8/15	35	1
Armor	47-R13	61.8	61.7	65.3	8/22	33	1
Morsoy Xtra	47X12	60.9	61.7	66.9	8/18	35	1
Delta Grow	DG 4775 RR2/STS	60.7	—	—	8/18	31	1
Dyna-Gro	<i>SX14847RS</i>	60.0	—	—	8/17	34	1
Mycogen	5N479R2	60.0	—	—	8/21	37	1
Morsoy Xtra	<i>49X54</i>	59.8	—	—	8/17	39	1
Armor	49-R56	59.8	55.9	—	8/22	29	1
Croplan	R2C 4752S	59.5	65.2	68.2	8/22	32	1
Morsoy Xtra	48X02	59.4	65.2	65.5	8/16	37	1
Great Heart Seed	GT476CR2	59.3	62.8	—	8/15	36	1
NK Brand	S47-K5	59.1	—	—	8/16	31	1
Progeny	P4850RYS	59.0	59.6	65.7	8/22	32	1
Dyna-Gro	S47RY13	58.4	57.9	60.4	8/18	36	1
Armor	<i>AX 4470</i>	58.4	—	—	8/18	32	1
USG	74B83R	58.1	56.6	—	8/18	32	1
REV	48R44	58.0	56.4	—	8/18	31	1
Armor	<i>AX 4471</i>	57.2	—	—	8/17	30	1
Progeny	P4788RY	56.9	—	—	8/17	31	1
REV	49R94	56.5	56.1	—	8/16	33	1
MPG	MPG 4714 NRR	56.3	52.5	—	8/25	34	1
Progeny	P4848RYS	56.3	—	—	8/17	31	1
Armor	<i>AX 4480</i>	55.8	—	—	8/18	31	1
Delta Grow	DG 4985RR2	55.8	—	—	8/20	38	1
Delta Grow	DG 4755 RR2	55.8	59.4	60.3	8/17	31	1
Armor	<i>AX 4490</i>	55.4	—	—	8/21	35	1
Great Heart Seed	GT482 CR2	54.9	—	—	8/18	33	1
Mycogen	5N478R2	54.6	58.8	—	8/18	38	1
Morsoy Xtra	48X34	54.6	—	—	8/16	29	1

¹Variety in italics denotes an experimental entry.

Table 58 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P4900RY	54.5	58.4	58.7	8/22	28	1
Dyna-Gro	S48RS53	54.1	58.3	60.2	8/20	35	1
Asgrow	AG4934	54.0	54.0	—	8/17	38	1
REV	49A55	54.0	—	—	8/15	32	1
Dyna-Gro	S49RY25	53.8	—	—	8/20	35	1
Armor	DK4744	52.8	50.7	55.7	8/16	31	1
Progeny	P4747RY	52.4	56.5	57.8	8/15	29	1
Dyna-Gro	DG 37RY47	52.2	56.9	58.8	8/17	29	1
Asgrow	AG4835	51.4	—	—	8/16	37	1
USG	74B94RS	50.6	—	—	8/15	34	1
Hornbeck	HBK RY4721	50.3	56.8	57.5	8/16	36	1
Croplan	R2C 4873	50.3	—	—	8/23	29	1
Hornbeck	CZ 4959 RY	49.9	—	—	8/22	32	1
Delta Grow	DG 4930 RR2/STS	49.9	—	—	8/19	31	1
REV	48R22	49.8	—	—	8/20	27	1
Delta Grow	DG 4970RR	49.0	52.3	58.5	8/20	35	1
Armor	48-R66	49.0	56.5	—	8/21	29	1
Delta Grow	DG 4825 RR2/STS	49.0	54.2	59.8	8/18	32	1
Delta Grow	DG 4880RR	45.6	51.0	52.6	8/19	32	1
Delta Grow	DG 4925 RR2	44.6	50.5	55.4	8/18	37	1
Delta Grow	DG 4940RR	33.3	47.9	—	8/27	37	1
Mean		55.2					
LSD (.10)		6.9					
Error df		104					
CV		9.2					
R ²		67.1					

¹Variety in italics denotes an experimental entry.

Table 59. Roundup Ready Maturity Group V Early Nonirrigated Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 5230 RR2	59.9	—	—	9/5	28	1
Dyna-Gro	S52RY75	59.4	—	—	8/30	31	1
REV	55R53	58.6	58.7	59.0	8/29	32	1
NK Brand	S55-Q3	58.5	—	—	8/28	31	1
Dyna-Gro	32RY55	58.0	54.9	57.3	9/12	24	1
REV	51R53	58.0	53.5	52.9	8/22	27	1
Armor	AX4520	56.8	—	—	8/28	26	1
Univ. of Arkansas	<i>R10-130RY</i>	56.0	—	—	9/2	24	1
Mycogen	<i>5N522 R2</i>	55.5	—	—	8/28	35	1
Croplan	R2C 5081	55.4	54.4	52.5	8/29	35	1
REV	56R63	55.4	56.7	52.7	9/7	32	1
Progeny	P5555RY	54.5	57.6	—	9/7	28	1
Asgrow	AG5332	54.4	54.1	53.9	8/20	32	1
Great Heart Seed	GT516CR2	54.0	—	—	8/18	33	1
Delta Grow	DG 5575RR2	53.0	54.3	—	9/11	25	1
NK Brand	S52-Y2	52.6	49.3	—	8/26	33	1
Armor	53-R16	52.5	56.1	54.6	9/8	28	1
Asgrow	AG5535	52.3	—	—	9/1	29	1
Mycogen	5N540R2	52.3	—	—	9/12	28	1
Morsoy Xtra	51X31	52.2	—	—	8/28	35	1
Mycogen	5N550R2	52.2	—	—	9/9	32	1
Armor	AX4500	51.9	—	—	8/27	33	1
Dyna-Gro	S56RY84	51.5	54.2	—	9/10	22	1
Morsoy Xtra	53X82	51.5	—	—	9/5	32	1
Univ. of Arkansas	<i>R10-197RY</i>	50.8	—	—	9/6	23	1
Dyna-Gro	S54RY43	50.8	54.9	55.2	9/9	27	1
Delta Grow	DG 5556RR	50.8	—	—	9/7	27	1
MPG	5314 NRR	50.5	—	—	8/27	31	1

¹Variety in italics denotes an experimental entry.

Table 59 (cont.). Roundup Ready Maturity Group V Early Nonirrigated Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 5230 RR2	59.9	—	—	9/5	28	1
Dyna-Gro	S52RY75	59.4	—	—	8/30	31	1
REV	55R53	58.6	58.7	59.0	8/29	32	1
NK Brand	S55-Q3	58.5	—	—	8/28	31	1
Dyna-Gro	32RY55	58.0	54.9	57.3	9/12	24	1
REV	51R53	58.0	53.5	52.9	8/22	27	1
Armor	AX4520	56.8	—	—	8/28	26	1
Univ. of Arkansas	<i>R10-130RY</i>	56.0	—	—	9/2	24	1
Mycogen	5N522 R2	55.5	—	—	8/28	35	1
Croplan	R2C 5081	55.4	54.4	52.5	8/29	35	1
REV	56R63	55.4	56.7	52.7	9/7	32	1
Progeny	P5555RY	54.5	57.6	—	9/7	28	1
Asgrow	AG5332	54.4	54.1	53.9	8/20	32	1
Great Heart Seed	GT516CR2	54.0	—	—	8/18	33	1
Delta Grow	DG 5575RR2	53.0	54.3	—	9/11	25	1
NK Brand	S52-Y2	52.6	49.3	—	8/26	33	1
Armor	53-R16	52.5	56.1	54.6	9/8	28	1
Asgrow	AG5535	52.3	—	—	9/1	29	1
Mycogen	5N540R2	52.3	—	—	9/12	28	1
Morsoy Xtra	51X31	52.2	—	—	8/28	35	1
Mycogen	5N550R2	52.2	—	—	9/9	32	1
Armor	AX4500	51.9	—	—	8/27	33	1
Dyna-Gro	S56RY84	51.5	54.2	—	9/10	22	1
Morsoy Xtra	53X82	51.5	—	—	9/5	32	1
Univ. of Arkansas	<i>R10-197RY</i>	50.8	—	—	9/6	23	1
Dyna-Gro	S54RY43	50.8	54.9	55.2	9/9	27	1
Delta Grow	DG 5556RR	50.8	—	—	9/7	27	1
MPG	5314 NRR	50.5	—	—	8/27	31	1
NK Brand	S51-C5	50.5	—	—	9/7	35	1
REV	52A94	50.3	—	—	9/3	28	1
Asgrow	AG5533	50.0	—	—	8/29	35	1
Univ. of Arkansas	<i>R04-1250RR</i>	49.9	50.0	—	9/2	29	1
Armor	51-R50	49.8	—	—	8/29	25	1
Great Heart Seed	GT-500CR2S	49.5	56.3	55.8	8/17	30	1
Progeny	P5213RY	49.3	51.0	—	8/27	33	1
Progeny	P5610RY	49.3	48.9	51.2	9/11	28	1
Morsoy Xtra	54X41	49.3	—	—	9/5	31	1
Delta Grow	DG 5475RR2	48.7	54.4	52.9	8/31	31	1
Progeny	P5333RY	48.6	56.3	—	9/6	24	1
Delta Grow	DG 5480RR2	48.0	53.4	—	8/30	29	1
Morsoy Xtra	56X02	46.1	—	—	9/5	50	1
REV	54R84	45.4	49.6	48.1	8/29	24	1
Hornbeck	HBK RY5221	44.6	46.5	49.1	8/23	32	1
Asgrow	AG5335	43.8	—	—	8/19	32	1
Armor	50-R44	43.8	—	—	8/26	33	1
Hornbeck	HBK RY5421	43.2	45.5	45.6	9/5	28	1
MPG	5214NRR	43.0	48.5	—	9/7	26	1
Univ. of Arkansas	<i>R04-1268RR</i>	41.9	48.8	48.6	9/2	24	1
REV	52R74	39.2	50.1	—	8/22	32	1
Univ. of Arkansas	<i>R10-428RY</i>	39.2	—	—	9/3	30	1
Asgrow	AG5233	38.3	49.4	47.6	8/19	31	1
Mean		50.6					
LSD (.10)		8.1					
Error df		100					
CV		11.8					
R ²		54.8					

¹Variety in italics denotes an experimental entry.

Table 60. Roundup Ready Maturity Group V Late Nonirrigated Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	39RY57	57.9	55.5	57.6	9/14	22	1
REV	57R21	50.9	53.2	—	9/14	35	1
Asgrow	AG5831	44.6	49.6	52.8	9/13	21	1
Univ. of Arkansas	<i>R07-6614RR</i>	39.5	—	—	9/16	23	1
Asgrow	AG5935	36.7	—	—	9/16	23	1
Mean		45.9					
LSD (.10)		7.8					
Error df		8					
CV		11.3					
R ²		80.6					

¹Variety in italics denotes an experimental entry.

Table 61. Maturity Group IV LL Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P4819LL	54.3	47.4	50.6	8/25	31	1
Halo	4:76	53.5	—	—	8/26	34	1
Hornbeck	LL 4950	52.6	51.8	—	9/3	46	1
Halo	4:95	49.9	—	—	8/23	31	1
Progeny	P4930LL	49.9	47.2	—	9/4	32	1
Delta Grow	DG 4867LL	49.8	—	—	8/25	31	1
Hornbeck	<i>CZ 4748 LL</i>	49.8	—	—	8/20	31	1
Hornbeck	LL 4850	49.5	46.7	—	8/28	31	1
Delta Grow	DG 4967LL	47.1	—	—	9/3	39	1
Hornbeck	LL 4650	46.6	44.7	—	8/17	30	1
Hornbeck	HBK LL4953	46.5	—	—	9/8	36	1
Halo	X448	46.5	—	—	8/21	36	1
Dyna-Gro	S49LL34	46.5	48.3	—	9/2	35	1
Halo	X449	46.4	—	—	9/3	40	1
Halo	4:94	45.0	46.5	50.1	9/3	36	1
Delta Grow	DG 4981LL/STS	44.1	45.6	—	9/3	48	1
Delta Grow	DG 4990LL	43.5	44.8	49.0	9/3	37	1
Halo	4:97	41.1	47.5	—	8/29	40	1
Progeny	P4560LL	41.0	43.7	—	8/19	35	1
USG	74G74LS	40.9	—	—	9/7	39	1
GoSoy	4713	40.4	—	—	9/4	42	1
REV	49L29	39.8	—	—	9/3	35	1
Progeny	P 4620 LLS	39.6	—	—	9/2	44	1
Delta Grow	DG 4767LL/STS	37.4	44.7	49.5	8/30	40	1
Halo	4:40	34.4	—	—	8/15	29	1
GoSoy	4914	34.2	—	—	9/3	37	1
Progeny	P4928LL	33.9	41.4	46.5	8/30	37	1
Dyna-Gro	S49LS65	32.6	—	—	8/28	41	1
Mean		44.2					
LSD (.10)		11.1					
Error df		54					
CV		18.3					
R ²		50.5					

¹Variety in italics denotes an experimental entry.

Table 62. Maturity Group V Liberty Link Soybeans (Black Belt Branch Station, Brooksville).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 5067 LL	50.0	—	—	9/11	36	1
Halo	X451	48.9	—	—	9/6	35	1
Halo	5:01	47.6	—	—	9/5	41	1
Progeny	P5960LL	46.0	45.4	47.2	9/12	28	1
Delta Grow	DG 5367LL	45.9	—	—	9/4	33	1
Halo	5:25	44.8	—	—	9/7	23	1
Halo	5:45	43.0	44.6	47.7	9/13	26	1
Progeny	P5160LL	41.3	43.6	41.8	9/4	21	1
Halo	X452	39.6	—	—	9/8	39	1
Delta Grow	DG 5481LL	38.8	38.1	—	9/12	40	1
GoSoy	5214	36.9	—	—	9/9	38	1
Hornbeck	CZ 5150 LL	36.6	—	—	9/4	34	1
Halo	5:26	36.1	—	—	9/7	22	1
Hornbeck	5242LL	35.6	—	—	9/5	40	1
Delta Grow	DG 5461LL	33.5	37.6	44.1	9/12	38	1
REV	55L95	33.2	—	—	9/13	29	1
Progeny	P5220LLS	32.2	—	—	9/4	25	1
Progeny	P5460LL	31.8	35.5	41.7	9/4	37	1
Mean		40.1					
LSD (.10)		12.3					
Error df		34					
CV		22.2					
R ²		44.2					

¹Variety in italics denotes an experimental entry.

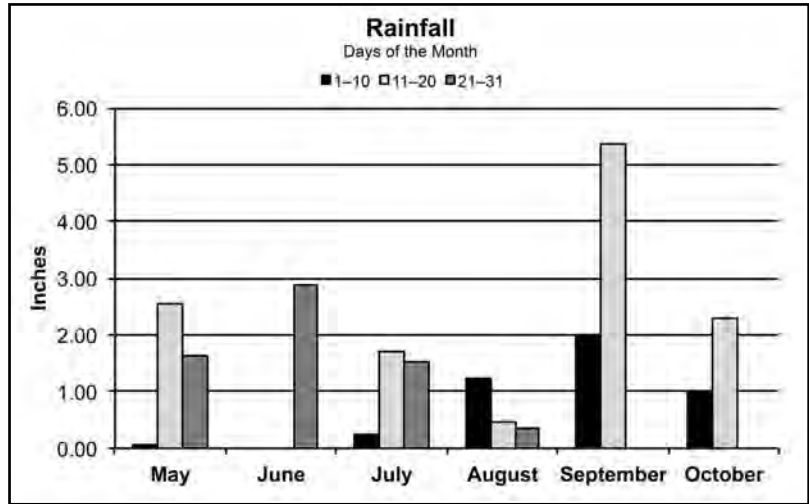
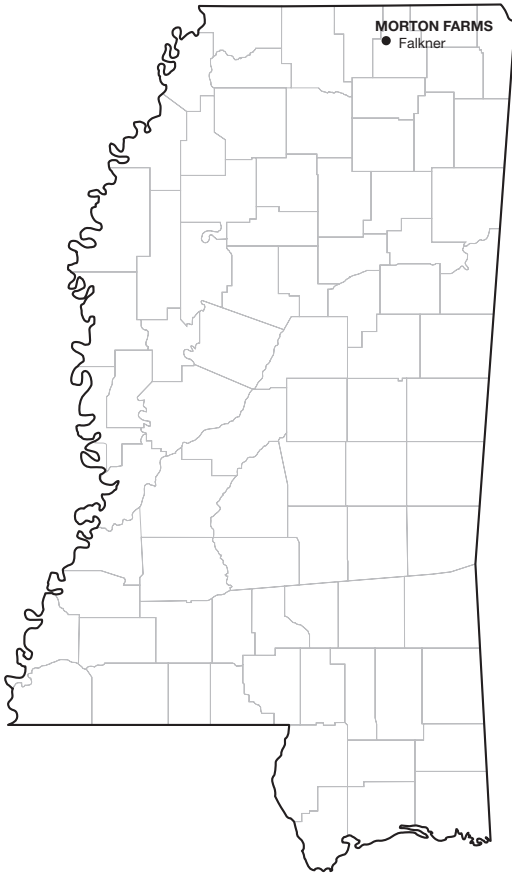
FALKNER, MORTON FARMS

Crop Summary

The soybean plots were planted into a stale seedbed with good moisture for germination. All plots quickly emerged to a very uniform stand. The weather was very favorable throughout the growing season with timely

rains that occurred at critical points within the season. Harvest was made in a timely manner without difficulties, and good yields were observed.

Planting date **May 7**
 Harvest date **IV Early and IV Late Roundup Ready on September 22**
 V Early and V Late Roundup Ready on October 17
 IV and V Liberty Link on October 17
 Soil type **Falaya silt loam and Hatchie silt loam**
 Soil pH **6.1**
 Soil fertility **P=M; K=M**
 Previous crop **Soybeans**
 Fertilizer added **Preplant – 0-46-0 @ 120 lb/A and 0-0-60 @ 230 lb/A**
 Herbicide application ... **Preemergence – Authority MTZ @ 12 oz/A, Dual II Magnum @ 24 oz/A, and Python @ 1.25 oz/A on May 7**
 Postemergence –
 Roundup Ready – Roundup Powermax @ 32 oz/A and Firstrate @ 0.3 oz/A on July 14
 Liberty Link – Liberty @ 29 oz/A and Firstrate @ 0.3 oz/A on July 14



Rainfall Summary

	Inches
May	4.20
June	2.87
July	3.46
August	2.08
September	7.34
October	3.28
Total	23.23

Table 63. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Morton Farms, Falkner).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	S43RY95	80.2	—	—	9/5	37	1
Armor	46-R65	78.4	77.7	—	9/10	35	1
Dyna-Gro	31RY45	78.4	87.1	82.7	9/6	32	1
Armor	AX4430	75.6	—	—	9/7	34	1
Asgrow	AG4632	74.9	82.3	82.3	9/5	28	1
Armor	AX4460	74.6	—	—	9/4	33	1
Delta Grow	DG 4685RR2	72.5	—	—	9/12	25	1
Hornbeck	HBK RY4620	72.4	66.7	68.3	9/5	31	1
Mycogen	5N452R2	72.0	—	—	9/8	27	1
Mycogen	5N451R2	70.6	84.3	—	9/5	34	1
Progeny	P4211RY	68.8	76.6	74.1	9/4	31	1
Armor	AX4450	67.3	—	—	9/3	31	1
Asgrow	AG4135	65.2	—	—	9/4	31	1
Progeny	P4440 RY	62.8	—	—	9/6	30	1
Dyna-Gro	S46RY85	62.6	—	—	9/4	33	1
Morsoy Xtra	44X82	62.6	61.0	64.6	9/15	28	1
USG	74F53R	62.5	69.3	—	9/6	24	1
Progeny	P4613 RYS	62.3	72.6	—	9/5	36	1
Delta Grow	4670RR2	61.2	80.8	79.9	9/8	31	1
Armor	44-R08	61.0	69.5	69.6	9/6	28	1
Asgrow	AG4533	60.6	75.0	69.9	9/5	30	1
NK Brand	S46-L2	60.0	61.8	—	9/5	31	1
Progeny	P4510 RYS	59.4	64.7	66.3	9/3	31	1
Croplan	R2C 4541	59.0	73.0	72.8	9/8	27	1
Steyer	4303R2	58.8	—	—	9/5	37	1
Asgrow	AG4232	58.6	60.0	68.2	9/10	28	1
REV	46R64T	57.0	68.0	—	9/5	25	1
Armor	AX4440	55.5	—	—	9/2	32	1
Armor	43-R43	55.4	60.6	—	9/6	25	1
Asgrow	AG 4534	54.9	—	—	9/8	29	1
USG	74F24RS	54.8	—	—	9/4	28	1
Morsoy Xtra	46X04	54.1	—	—	9/6	26	1
NK Brand	S45-V8	53.4	—	—	9/3	25	1
Mean		64.5					
LSD (.10)		13.6					
Error df		64					
CV		15.5					
R ²		54.4					

¹Variety in italics denotes an experimental entry.

Table 64. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Morton Farms, Falkner).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG4835	95.9	—	—	9/11	38	1
REV	49A55	91.2	—	—	9/10	35	1
Croplan	R2C 4752S	89.7	86.1	80.4	9/14	30	1
Delta Grow	DG 4765 RR2/STS	89.6	85.2	78.9	9/18	39	1
Mycogen	<i>MYCX 54490 NR2</i>	86.9	—	—	9/17	37	1
Delta Grow	DG 4940RR	86.6	72.1	—	9/20	39	1
Morsoy Xtra	47X12	84.7	80.8	80.5	9/15	37	1
Progeny	P4850RYS	82.4	82.7	78.9	9/15	34	1
Delta Grow	DG 4925 RR2	81.7	68.5	67.0	9/21	37	1
USG	74B83R	81.6	72.9	—	9/11	31	1
NK Brand	S47-K5	81.1	—	—	9/15	34	1
Armor	47-R13	80.9	80.2	75.7	9/14	33	1
Armor	AX 4470	80.6	—	—	9/11	33	1
Delta Grow	DG 4755 RR2	80.4	78.1	74.3	9/6	31	1
Progeny	P4747RY	79.9	79.0	74.2	9/12	36	1
Morsoy Xtra	49X54	79.9	—	—	9/19	39	1

¹Variety in italics denotes an experimental entry.

Table 64 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Morton Farms, Falkner).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	S48RS53	79.8	79.4	77.9	9/16	30	1
Delta Grow	DG 4985RR2	79.5	—	—	9/18	40	1
Dyna-Gro	S49RY25	79.1	—	—	9/16	40	1
Delta Grow	DG 4775 RR2/STS	79.0	—	—	9/6	37	1
Armor	AX 4490	78.8	—	—	9/14	34	1
Dyna-Gro	DG 37RY47	78.4	65.9	67.3	9/7	34	1
Mycogen	5N479R2	78.0	—	—	9/13	39	1
Dyna-Gro	<i>SX14847RS</i>	78.0	—	—	9/14	32	1
Asgrow	AG4934	78.0	66.9	—	9/11	36	1
Delta Grow	DG 4880RR	77.5	79.9	73.7	9/6	29	1
MPG	MPG 4714 NRR	77.0	66.3	—	9/16	36	1
Progeny	P4788RY	76.0	—	—	9/13	36	1
Morsoy Xtra	48X34	75.9	—	—	9/14	35	1
Morsoy Xtra	48X02	75.5	76.8	74.8	9/6	32	1
Armor	49-R56	75.2	72.4	—	9/11	32	1
Hornbeck	HBK RY4721	75.0	83.5	80.8	9/5	38	1
Dyna-Gro	S47RY13	74.7	73.6	70.3	9/7	34	1
Great Heart Seed	GT476CR2	74.6	76.8	—	9/5	32	1
REV	49R94	74.6	81.9	—	9/4	35	1
REV	48R44	74.5	81.4	—	9/7	33	1
REV	47R53	74.2	—	—	9/6	36	1
Delta Grow	DG 4930 RR2/STS	74.1	—	—	9/14	38	1
REV	47R34	74.0	86.5	—	9/7	37	1
Mycogen	5N478R2	73.9	82.8	—	9/5	37	1
REV	48R22	73.5	—	—	9/11	38	1
Armor	AX 4471	73.4	—	—	9/7	34	1
Armor	AX 4480	72.8	—	—	9/6	37	1
Delta Grow	DG 4970RR	72.8	80.8	77.0	9/14	40	1
Progeny	P4848RYS	72.5	—	—	9/12	35	1
Hornbeck	CZ 4959 RY	72.0	—	—	9/12	34	1
Armor	48-R66	71.2	70.4	—	9/6	30	1
USG	74B94RS	71.2	—	—	9/16	33	1
Delta Grow	DG 4825 RR2/STS	70.4	69.6	70.0	9/12	27	1
Progeny	P4900RY	70.2	71.3	66.4	9/11	31	1
Armor	DK4744	68.9	63.5	64.8	9/7	31	1
Great Heart Seed	GT482 CR2	66.2	—	—	9/11	32	1
Croplan	R2C 4873	65.4	—	—	9/8	31	1
Mean		77.5					
LSD (.10)		11					
Error df		104					
CV		10.5					
R ²		46.5					

¹Variety in italics denotes an experimental entry.

Table 65. Roundup Ready Maturity Group V Early Nonirrigated Soybeans (Morton Farms, Falkner).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Univ. of Arkansas	<i>R10-197RY</i>	81.8	—	—	9/25	29	1
Asgrow	AG5533	81.6	—	—	9/24	36	2
Croplan	R2C 5081	79.5	82.6	83.1	9/21	31	2
REV	56R63	75.0	77.5	77.3	9/27	37	2
NK Brand	S51-C5	74.4	—	—	9/23	25	1
Morsoy Xtra	56X02	73.5	—	—	9/25	50	2
Dyna-Gro	S56RY84	72.8	75.7	—	9/24	35	1
Dyna-Gro	S54RY43	71.9	64.0	63.8	9/24	33	1
MPG	5214NRR	71.9	65.5	—	9/21	38	3
Armor	53-R16	70.8	73.8	74.9	9/24	31	1
Delta Grow	DG 5480RR2	70.6	75.7	—	9/22	32	1
NK Brand	S55-Q3	70.1	—	—	9/25	28	2

¹Variety in italics denotes an experimental entry.

Table 65 (cont.). Roundup Ready Maturity Group V Early Nonirrigated Soybeans (Morton Farms, Falkner).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV	55R53	69.6	62.4	67.9	9/23	28	2
Morsoy Xtra	53X82	69.5	—	—	9/28	25	1
Hornbeck	HBK RY5421	69.2	69.0	71.5	9/22	31	3
Armor	AX4500	68.9	—	—	9/15	38	2
NK Brand	S52-Y2	68.4	68.8	—	9/17	37	2
Delta Grow	DG 5575RR2	68.3	74.3	—	9/25	35	2
Delta Grow	DG 5475RR2	67.4	64.0	66.0	9/30	27	1
Morsoy Xtra	51X31	67.3	—	—	9/23	28	2
REV	54R84	67.0	65.4	72.1	9/21	27	2
Progeny	P5333RY	67.0	74.5	—	9/20	29	1
Dyna-Gro	S52RY75	66.3	—	—	9/18	34	1
Delta Grow	DG 5556RR	64.9	—	—	9/27	31	1
Mycogen	5N522 R2	64.8	—	—	9/20	33	2
Asgrow	AG5535	64.5	—	—	9/25	29	2
Mycogen	5N550R2	64.4	—	—	9/24	37	1
Dyna-Gro	32RY55	64.2	66.9	72.9	9/24	30	1
Armor	AX4520	63.9	—	—	9/21	27	2
Progeny	P5555RY	63.7	72.6	—	9/23	33	1
Mycogen	5N540R2	63.3	—	—	9/25	30	2
Great Heart Seed	GT516CR2	62.5	—	—	9/20	39	2
Univ. of Arkansas	R04-1268RR	62.4	59.8	60.9	9/23	30	1
Hornbeck	HBK RY5221	61.9	70.4	69.3	9/15	37	3
Univ. of Arkansas	R04-1250RR	61.9	69.3	—	9/22	31	1
Morsoy Xtra	54X41	61.3	—	—	9/30	26	1
Delta Grow	DG 5230 RR2	59.9	—	—	9/21	30	2
Univ. of Arkansas	R10-130RY	59.0	—	—	9/25	25	1
Progeny	P5610RY	58.6	62.2	72.5	9/24	28	1
Asgrow	AG5335	58.0	—	—	9/15	33	2
REV	51R53	57.7	55.7	69.6	9/14	33	2
Progeny	P5213RY	55.5	64.3	—	9/18	39	3
Asgrow	AG5233	55.5	63.6	68.8	9/18	31	2
Armor	50-R44	53.1	—	—	9/16	38	3
REV	52A94	52.5	—	—	9/20	27	3
REV	52R74	51.8	59.6	—	9/15	29	2
MPG	5314 NRR	49.0	—	—	9/18	27	2
Armor	51-R50	43.2	—	—	9/22	28	2
Great Heart Seed	GT-500CR2S	42.4	51.6	62.0	9/13	29	3
Asgrow	AG5332	41.3	57.9	59.2	9/13	34	3
Univ. of Arkansas	R10-428RY	38.9	—	—	9/24	25	2
Mean		63.6					
LSD (.10)		10.8					
Error df		100					
CV		12.6					
R ²		69					

¹Variety in italics denotes an experimental entry.

Table 66. Roundup Ready Maturity Group V Late Nonirrigated Soybeans (Morton Farms, Falkner).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
REV	57R21	79.1	75.7	—	9/30	38	2
Asgrow	AG5935	70.9	—	—	10/1	32	1
Univ. of Arkansas	R07-6614RR	69.7	—	—	9/28	34	1
Dyna-Gro	39RY57	69.1	69.8	73.8	9/23	28	1
Asgrow	AG5831	63.9	71.0	71.1	9/24	27	1
Mean		70.5					
LSD (.10)		9.5					
Error df		8					
CV		8.9					
R ²		73.8					

¹Variety in italics denotes an experimental entry.

Table 67. Maturity Group IV Liberty Link Soybeans (Morton Farms, Falkner).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Progeny	P4930LL	74.3	77.8	—	9/25	42	1
Progeny	P4928LL	73.3	72.7	71.0	9/26	43	2
Halo	X449	72.3	—	—	9/24	43	3
Dyna-Gro	S49LL34	69.4	64.7	—	9/24	37	1
Dyna-Gro	S49LS65	69.1	—	—	9/26	38	3
REV	49L29	68.8	—	—	9/22	41	3
Delta Grow	DG 4967LL	68.6	—	—	9/25	41	1
Hornbeck	HBK LL4953	65.4	—	—	9/25	35	1
GoSoy	4713	64.8	—	—	9/25	45	2
Hornbeck	LL 4950	64.0	64.3	—	9/25	40	1
GoSoy	4914	63.9	—	—	9/24	46	3
USG	74G74LS	63.7	—	—	9/23	46	4
Hornbeck	LL 4850	63.1	65.3	—	9/13	31	2
Halo	4:97	62.1	62.6	—	9/22	42	4
Halo	4:94	61.2	65.2	67.3	9/22	42	2
Halo	4:95	61.0	—	—	9/16	28	2
Delta Grow	DG 4981LL/STS	57.5	61.3	—	9/28	48	1
Delta Grow	DG 4867LL	56.7	—	—	9/13	35	2
Delta Grow	DG 4767LL/STS	56.6	70.3	72.4	9/23	43	3
Progeny	P 4620 LLS	56.3	—	—	9/24	42	2
Progeny	P4819LL	53.6	60.0	62.7	9/11	29	2
Halo	X448	53.0	—	—	9/7	37	4
Progeny	P4560LL	52.3	66.7	—	9/8	35	2
Halo	4:76	52.2	—	—	9/5	37	4
Delta Grow	DG 4990LL	51.8	58.5	63.4	9/22	40	1
Hornbeck	LL 4650	47.8	64.0	—	9/6	35	2
Hornbeck	<i>CZ 4748 LL</i>	45.6	—	—	9/6	31	2
Halo	4:40	45.4	—	—	9/6	27	1
Mean		60.5					
LSD (.10)		11.4					
Error df		54					
CV		13.8					
R ²		60.9					

¹Variety in italics denotes an experimental entry.

Table 68. Maturity Group V Liberty Link Soybeans (Morton Farms, Falkner).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Halo	5:25	57.9	—	—	9/25	26	1
Progeny	P5160LL	45.4	66.8	66.6	9/24	25	1
Progeny	P5460LL	57.0	65.0	67.0	9/25	39	1
Progeny	P5960LL	54.0	64.6	66.2	9/30	26	1
Delta Grow	DG 5461LL	51.7	66.7	72.4	9/27	39	1
Halo	5:45	48.5	62.6	62.2	10/1	28	1
Halo	5:26	67.7	—	—	9/23	26	1
Halo	5:01	72.4	—	—	9/29	39	2
Delta Grow	DG 5481LL	66.9	66.3	—	9/27	51	2
Delta Grow	DG 5067 LL	71.7	—	—	9/26	40	1
Delta Grow	DG 5367LL	75.7	—	—	9/30	41	1
Progeny	P5220LLS	54.9	—	—	9/27	46	1
Hornbeck	<i>CZ 5150 LL</i>	66.4	—	—	9/23	38	1
Hornbeck	5242LL	71.9	—	—	10/1	40	1
GoSoy	5214	60.0	—	—	9/30	35	1
Halo	X452	61.1	—	—	9/29	37	1
Halo	X451	66.0	—	—	9/24	35	1
REV	55L95	61.1	—	—	9/24	33	1
Mean		61.7					
LSD (.10)		10					
Error df		34					
CV		11.7					
R ²		74					

¹Variety in italics denotes an experimental entry.

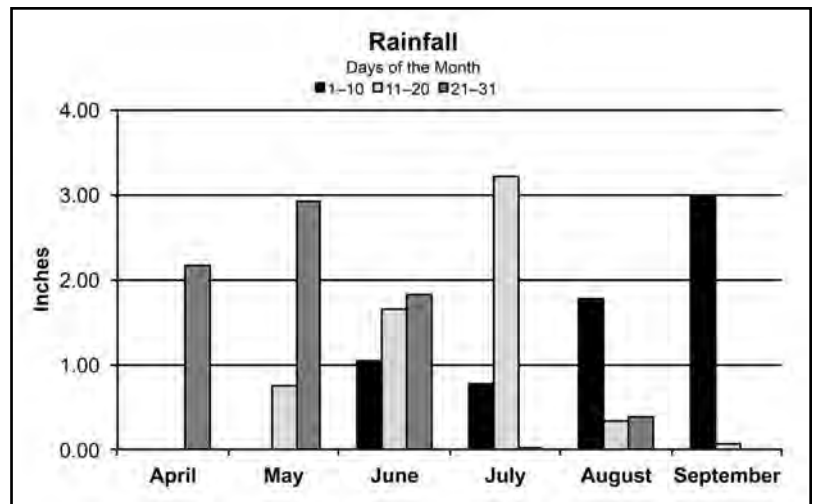
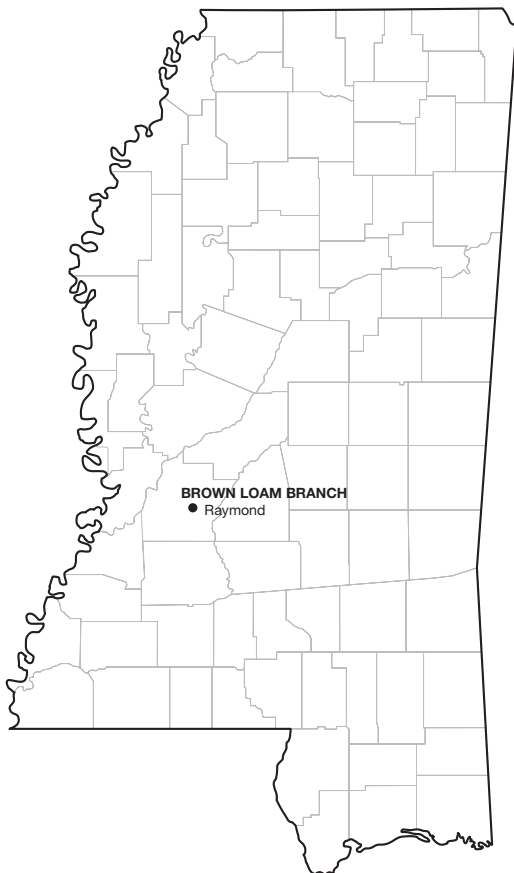
RAYMOND, BROWN LOAM BRANCH

Crop Summary

The soybean plots were planted in late April into a freshly tilled seedbed. All plots quickly emerged to a good stand. Timely rains occurred during the season, which allowed for ample soil moisture throughout. Some insect

pressure was observed later in the season but was quickly controlled with timely insecticide applications. Harvest was made in a timely manner, and good yields were observed.

Planting date April 25
Harvest date IV Early Roundup Ready on September 9
 IV Late Roundup Ready on September 15
 V Early and V Late Roundup Ready on September 29
Soil type Loring silt loam
Soil pH 5.2
Soil fertility P=H; K=H
Previous crop Corn
Fertilizer added Preplant – lime @ 1.5 tons/A
Herbicide application Preemergence – Authority MTZ @ 12 oz/A, Dual II Magnum 24 oz/A, and Roundup Powermax @ 24 oz/A on April 25
 Postemergence – Roundup Powermax @ 32 oz/A on June 9; Roundup Powermax @ 32 oz/A and Ultra Blazer @ 24 oz/A on June 30
Insecticide application ... Brigade @ 6.4 oz/A on June 30 and July 10; Brigade @ 4.25 oz/A and Acephate @ 0.75 lb/A on August 13



Rainfall Summary

	Inches
April	2.17
May	3.65
June	4.50
July	3.99
August	2.48
September	3.05
Total	19.84

Table 69. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Brown Loam Branch, Raymond).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Asgrow	AG4632	103.0	76.4	75.5	9/8	30	1
Mycogen	5N451R2	101.7	70.0	—	9/8	29	1
Delta Grow	4670RR2	98.7	71.4	71.9	9/8	33	1
Armor	AX4460	98.5	—	—	9/2	33	2
Dyna-Gro	31RY45	96.2	73.4	74.8	8/29	35	1
Croplan	R2C 4541	96.0	69.1	68.7	8/29	27	1
Mycogen	5N452R2	95.9	—	—	8/29	27	1
Progeny	P4613 RYS	94.8	72.7	—	8/29	35	2
Dyna-Gro	S43RY95	93.1	—	—	9/8	30	1
Asgrow	AG4533	89.1	67.9	67.7	8/29	32	1
Armor	46-R65	88.4	66.4	—	8/29	31	1
Dyna-Gro	S46RY85	86.8	—	—	9/5	32	1
Armor	44-R08	84.7	56.5	61.5	9/5	29	1
Steyer	4303R2	84.6	—	—	8/29	36	1
Asgrow	AG4135	84.0	—	—	8/27	25	1
USG	74F24RS	84.0	—	—	9/5	37	2
NK Brand	S46-L2	83.1	60.6	—	9/5	30	1
Armor	AX4440	82.6	—	—	8/29	29	1
Armor	AX4450	82.5	—	—	9/5	29	1
REV	46R64T	80.1	65.0	—	8/29	34	1
Armor	AX4430	79.6	—	—	9/2	31	1
Asgrow	AG 4534	79.5	—	—	8/29	28	1
Progeny	P4211RY	79.0	53.8	57.4	8/29	28	1
Delta Grow	DG 4685RR2	75.3	—	—	9/8	27	1
Armor	43-R43	74.7	55.6	—	8/29	28	1
Morsoy Xtra	44X82	74.3	51.3	54.7	8/29	30	1
NK Brand	S45-V8	74.3	—	—	8/29	27	1
Morsoy Xtra	46X04	73.9	—	—	9/5	30	1
Progeny	P4510 RYS	73.5	61.3	65.4	9/2	28	1
USG	74F53R	72.0	51.9	—	8/29	29	1
Progeny	P4440 RY	71.7	—	—	9/8	29	1
Asgrow	AG 4232	69.8	51.3	58.2	9/5	28	1
Hornbeck	HBK RY4620	66.0	55.8	62.4	8/29	29	1
Mean		84					
LSD (.10)		13.2					
Error df		64					
CV		11.5					
R ²		64.3					

¹Variety in italics denotes an experimental entry.

Table 70. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Brown Loam Branch, Raymond).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 4880RR	108.0	71.9	70.0	8/29	27	1
REV	47R34	102.0	76.3	—	9/15	32	2
REV	48R44	98.3	75.7	—	9/10	29	1
Delta Grow	DG 4970RR	96.5	67.4	65.5	9/10	33	1
Progeny	P4788RY	95.3	—	—	9/10	31	1
REV	47R53	94.0	—	—	9/10	30	1
MPG	MPG 4714 NRR	92.9	64.4	—	9/8	34	1
USG	74B83R	91.5	69.1	—	9/10	21	1
REV	49R94	90.2	68.2	—	9/8	22	1
Croplan	R2C 4752S	89.5	65.2	65.4	9/8	27	1
Armor	47-R13	88.6	63.6	65.7	9/8	24	1
REV	48R22	87.4	—	—	9/10	24	1
Great Heart Seed	GT476CR2	87.3	64.7	—	8/29	34	1
Dyna-Gro	S49RY25	86.0	—	—	9/10	32	1
Dyna-Gro	DG 37RY47	85.3	65.8	66.9	8/29	30	1
Hornbeck	HBK RY4721	84.5	58.0	57.1	9/8	33	1
Mycogen	<i>MYCX 54490 NR2</i>	83.8	—	—	9/15	29	1
Delta Grow	DG 4755 RR2	82.9	59.9	57.3	9/10	39	1

¹Variety in italics denotes an experimental entry.

Table 70 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Brown Loam Branch, Raymond).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Delta Grow	DG 4825 RR2/STS	82.7	61.5	67.2	9/10	25	1
Progeny	P4747RY	82.7	60.3	60.4	8/29	26	1
Asgrow	AG 4835	82.6	—	—	9/5	33	1
Delta Grow	DG 4775 RR2/STS	82.4	—	—	9/15	25	1
Morsoy Xtra	49X54	81.8	—	—	9/8	31	1
Hornbeck	BX 4959RY	81.6	—	—	9/2	25	1
Mycogen	5N478R2	81.3	62.8	—	9/10	31	1
Armor	AX 4470	80.4	—	—	9/10	25	1
Armor	49-R56	80.0	53.3	—	9/5	18	1
NK Brand	S47-K5	80.0	—	—	9/10	26	1
Morsoy Xtra	47X12	79.6	60.9	62.3	9/2	30	1
Mycogen	5N479R2	78.9	—	—	9/5	27	1
Progeny	P4900RY	77.4	55.0	54.8	9/10	20	1
Armor	48-R66	77.3	63.0	—	9/8	17	1
Great Heart Seed	GT482 CR2	76.7	—	—	9/15	29	1
Progeny	P4850RYS	74.9	60.3	60.5	9/8	21	1
Croplan	R2C 4873	74.4	—	—	9/10	20	1
Morsoy Xtra	48X02	74.4	59.4	56.6	9/2	25	1
Armor	AX 4471	74.3	—	—	8/29	25	1
Delta Grow	DG 4765 RR2/STS	73.5	53.1	58.8	9/8	38	1
Delta Grow	DG4940RR	73.3	56.7	—	9/15	31	1
Armor	DK4744	73.2	57.9	63.8	8/29	31	1
Delta Grow	DG 4925 RR2	73.2	56.2	58.7	9/5	33	1
Dyna-Gro	SX14847RS	72.4	—	—	9/10	30	1
Morsoy Xtra	48X34	72.0	—	—	9/10	29	1
Progeny	P4848RYS	71.5	—	—	8/29	21	1
Armor	AX 4480	71.2	—	—	8/29	28	1
REV	49A55	70.9	—	—	9/2	29	1
Armor	AX 4490	70.8	—	—	9/15	28	1
USG	74B94RS	69.6	—	—	9/10	31	1
Delta Grow	DG 4985RR2	68.9	—	—	9/8	31	1
Dyna-Gro	S47RY13	68.8	49.5	52.9	9/10	31	1
Dyna-Gro	S48RS53	66.9	49.2	59.6	9/10	28	1
Asgrow	AG4934	64.2	53.9	—	9/8	28	1
Delta Grow	DG 4930 RR2/STS	57.5	—	—	9/10	27	1
Mean		80					
LSD (.10)		14.2					
Error df		104					
CV		13					
R ²		60.8					

¹Variety in italics denotes an experimental entry.

Table 71. Roundup Ready Maturity Group V Early Nonirrigated Soybeans (Brown Loam Branch, Raymond).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
NK Brand	S55-Q3	92.9	—	—	9/17	24	1
REV	56R63	89.0	71.7	69.0	9/10	25	1
Asgrow	AG5535	86.9	—	—	9/17	20	1
Univ. of Arkansas	R10-197RY	84.4	—	—	9/17	25	1
Armor	AX4520	83.2	—	—	9/8	21	1
Armor	AX4500	82.5	—	—	9/17	29	1
Delta Grow	DG 5230 RR2	79.2	—	—	9/19	22	1
Armor	51-R50	79.0	—	—	9/10	28	1
Progeny	P5333RY	79.0	57.4	—	9/19	23	1
REV	52A94	78.8	—	—	9/5	25	1
Great Heart Seed	GT-500CR2S	78.1	57.2	54.9	9/19	21	1
Delta Grow	DG 5556RR	76.7	—	—	9/19	20	1
Hornbeck	HBK RY5421	76.4	62.8	61.9	9/10	18	1
Morsoy Xtra	51X31	76.1	—	—	9/17	23	1
Progeny	P5555RY	76.0	62.2	—	9/19	23	1
Croplan	R2C 5081	75.6	55.6	54.6	9/10	21	1

¹Variety in italics denotes an experimental entry.

Table 71 (cont.). Roundup Ready Maturity Group V Early Nonirrigated Soybeans (Brown Loam Branch, Raymond).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Mycogen	<i>MYCX54522NR2</i>	75.6	—	—	9/8	20	1
Asgrow	AG5332	75.4	57.9	60.1	9/10	28	1
Dyna-Gro	S56RY84	74.0	61.9	—	9/19	26	1
REV	55R53	73.3	62.3	66.6	8/29	18	1
Dyna-Gro	32RY55	73.0	57.0	63.5	9/15	22	1
REV	54R84	72.2	59.6	62.0	9/19	20	1
Armor	50-R44	71.7	—	—	9/17	31	1
Armor	53-R16	71.5	49.1	51.8	9/19	22	1
Dyna-Gro	S54RY43	71.4	57.8	63.4	9/17	24	1
Univ. of Arkansas	<i>R04-1250RR</i>	70.5	61.2	—	9/19	21	1
Mycogen	5N550R2	70.3	—	—	9/19	22	1
Progeny	P5610RY	70.2	56.8	61.8	9/19	18	1
MPG	5314 NRR	69.9	—	—	9/17	37	1
REV	51R53	69.3	53.9	58.7	9/19	25	1
NK Brand	S52-Y2	69.0	56.3	—	9/17	27	1
Univ. of Arkansas	<i>R10-130RY</i>	68.7	—	—	9/19	20	1
Hornbeck	HBK RY5221	68.5	51.3	47.5	9/17	34	1
Asgrow	AG5533	67.6	—	—	9/17	23	1
Asgrow	AG5233	67.5	51.9	56.3	9/5	26	1
REV	52R74	66.8	51.8	—	9/17	32	1
Univ. of Arkansas	<i>R04-1268RR</i>	65.4	56.7	55.2	9/5	26	1
Dyna-Gro	S52RY75	65.4	—	—	9/8	22	1
Mycogen	5N540R2	64.4	—	—	9/19	20	1
Delta Grow	DG 5575RR2	64.1	54.6	—	9/19	20	1
Progeny	P5213RY	64.1	49.5	—	9/17	32	1
Asgrow	AG 5335	63.8	—	—	9/8	28	1
Delta Grow	DG 5475RR2	63.2	51.0	54.5	9/19	25	1
Morsoy Xtra	54X41	63.1	—	—	9/19	22	1
MPG	5214NRR	62.3	53.7	—	9/19	25	1
Great Heart Seed	GT516CR2	59.2	—	—	9/19	30	1
Delta Grow	DG 5480RR2	58.7	48.7	—	9/19	25	1
Morsoy Xtra	53X82	56.8	—	—	9/19	21	1
NK Brand	S51-C5	54.8	—	—	9/10	17	1
Univ. of Arkansas	<i>R10-428RY</i>	53.5	—	—	9/19	20	1
Morsoy Xtra	56X02	43.6	—	—	9/23	37	1
Mean		70.8					
LSD (.10)		12					
Error df		100					
CV		12.5					
R ²		67.8					

¹Variety in italics denotes an experimental entry.

Table 72. Roundup Ready Maturity Group V Late Nonirrigated Soybeans (Brown Loam Branch, Raymond).

Brand	Variety ¹	Yield			Maturity date	Plant height	Lodging score
		2014	2-yr. avg.	3-yr. avg.			
		<i>bu/A</i>	<i>bu/A</i>	<i>bu/A</i>		<i>in</i>	<i>1-5</i>
Dyna-Gro	39RY57	70.2	54.5	59.1	9/15	24	1
Univ. of Arkansas	<i>R07-6614RR</i>	59.6	—	—	9/29	23	1
Asgrow	AG 5935	54.7	—	—	9/29	23	1
Asgrow	AG5831	49.1	45.1	50.5	9/15	26	1
REV	57R21	48.6	44.2	—	9/29	31	1
Mean		56.4					
LSD (.10)		10.2					
Error df		8					
CV		12					
R ²		78.8					

¹Variety in italics denotes an experimental entry.

PLANT CHARACTERISTICS

Table 73. Plant Characteristics of Maturity Group IV Conventional Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Brand	Variety	Bloom	Pubescence	Pod wall	Hilum		D/I	RM
USG	Ellis	White	Gray	Tawny	Buff	3225	D	4.9
Univ. of Arkansas	R05-3239	Purple	Tawny	Tan	Black	2940	—	4.9
Univ. of Arkansas	R09-4571	Purple	Tawny	Tan	—	2717	—	4.9
Univ. of Arkansas	R08-2797	White	Tawny	Tan	Black	3164	—	4.7
MPV	483C	—	—	—	—	2684	—	4.8
Univ. of Missouri	S09-6262	Purple	Tawny	Tan	Black	2517	I	4.8
Univ. of Missouri	S11-20356	Purple	Tawny	Tan	Black	2899	D	4.9

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

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 74. Plant Characteristics of Maturity Group V Conventional Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Brand	Variety	Bloom	Pubescence	Pod wall	Hilum		D/I	RM
Univ. of Arkansas	OZARK	Purple	Gray	Tan	Imp. Black	3241	—	5.2
Univ. of Arkansas	OSAGE	Purple	Gray	Tan	Imp. Black	3467	—	5.6
Univ. of Arkansas	UA 5612	Purple	Gray	Tan	Imp. Black	3292	—	5.6
Univ. of Arkansas	UA 5213C	Purple	Gray	Tan	Buff	3476	—	5.2
Univ. of Arkansas	R05-374	White	Gray	Brown	Buff	3141	—	5.1
Univ. of Arkansas	R09-430	Purple	Gray	Tan	—	3379	—	5.0
GoSoy	Leland	—	—	—	—	3400	—	5.1
USDA-ARS	JTN-5110	Purple	Tawny	—	Black	2745	—	5.5

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

²D = determinate; I = indeterminate.

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

Table 75. Plant Characteristics of Maturity Group IV Early Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
USG	74F24RS	Purple	Lt. Tawny	Brown	Black	2331	I	4.2
USG	74F53R	Purple	Gray	Brown	Imp. Black	2702	I	4.5
Delta Grow	4670 RR2	Purple	Lt. Tawny	Brown	Black	2706	I	4.6
Delta Grow	4685 RR2	Purple	Gray	Brown	Imp. Black	2557	I	4.6
NK Brand	46-L2 Brand	Purple	Gray	Brown	Buff	2850	I	4.6
NK Brand	45-V8 Brand	White	Tawny	Brown	Brown	2875	I	4.5
Asgrow	AG4135	White	Tawny	Brown	Black	2371	I	4.1
Asgrow	AG4232	Purple	Lt. Tawny	Tan	Black	2930	I	4.2
Asgrow	AG4533	Purple	Lt. Tawny	Brown	Black	2809	I	4.5
Asgrow	AG4534	White	Tawny	Brown	Black	2594	I	4.5
Asgrow	AG4632	Purple	Lt. Tawny	Brown	Black	2866	I	4.6
Mycogen	5N451R2	Purple	Lt. Tawny	Brown	Black	2463	—	4.5
Mycogen	5N452R2	Purple	Lt. Tawny	Brown	Black	2635	—	4.5
REV	46R64	Purple	Tawny	Brown	Black	2970	I	4.6
Steyer	4303R2	Purple	Lt. Tawny	Brown	Black	2313	—	4.3
HBK	RY 4620	Purple	Lt. Tawny	Brown	Black	2350	I	4.6
Croplan	4541 rr2	Purple	Lt. Tawny	Brown	Black	2770	I	4.5

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

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 75 (continued). Plant Characteristics of Maturity Group IV Early Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Dyna-Gro	S43RY95	Purple	Tawny	Brown	Black	2747	I	4.3
Dyna-Gro	31RY45	Purple	Lt. Tawny	Brown	Black	2571	I	4.5
Dyna-Gro	S46RY85	Purple	Gray	Brown	Imp. Black	2475	I	4.6
Armor	43-R43	—	—	—	—	2950	D/I	4.3
Armor	AX4460	—	—	—	—	2720	D/I	4.6
Armor	AX4430	—	—	—	—	2427	D/I	4.0
Armor	44-R08	—	—	—	—	2915	D/I	4.4
Armor	AX4440	—	—	—	—	3050	D/I	4.4
Armor	46-R65	—	—	—	—	2880	D/I	4.6
Armor	AX4450	—	—	—	—	2450	D/I	4.5
Morsoy Extra	44X82	Purple	Lt. Tawny	Brown	Black	2526	I	4.4
Morsoy Extra	46x04	Purple	Gray	Brown	Imp. Black	2503	I	4.6
Progeny	4211 RY	Purple	Gray	Tawny	Imp. Black	3122	I	4.2
Progeny	4440 RY	Purple	Lt. Tawny	Brown	Black	2484	I	4.4
Progeny	4510 RYS	Purple	Lt. Tawny	Tawny	Black	2443	I	4.5
Progeny	4613 RYS	White	Gray	Brown	Buff	2623	I	4.6

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

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 76. Plant Characteristics of Maturity Group IV Late Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Delta Grow	4755 RR2	Purple	Lt. Tawny	Brown	Black	2501	I	4.7
Delta Grow	4765 RR2/STS	Purple	Gray	Tan	Imp. Black	2755	I	4.7
Delta Grow	4775 RR2/STS	Purple	Lt. Tawny	Brown	Black	2494	I	4.7
Delta Grow	4825 RR2/STS	White	Lt. Tawny	Tan	Black	2681	I	4.8
Delta Grow	4925 RR2	Purple	Lt. Tawny	Brown	Black	2770	I	4.9
Delta Grow	4940 RR	Purple	Tawny	Tan	Black	4227	I	4.9
Delta Grow	4970 RR	Purple	Tawny	Tan	Black	2729	I	4.9
Delta Grow	4880 RR	White	Tawny	Brown	Black	3224	I	4.8
Asgrow	4934	Purple	Lt. Tawny	Brown	Black	2717	I	4.9
Asgrow	4835	White	Lt. Tawny	Brown	Black	2652	I	4.8
Delta Grow	4930 RR2/STS	Purple	Gray	Tan	Imp. Black	2616	I	4.9
Delta Grow	4985 RR2	Purple	Gray	Brown	Imp. Black	2558	I	4.9
Morsoy Extra	47x12	Purple	Gray	Tan	Imp. Black	2656	I	4.7
Morsoy Extra	48x34	Purple	Gray	Tan	Imp. Black	2439	I	4.8
USG	74B94RS	Purple	Gray	Tan	Imp. Black	2729	I	4.9
Great Heart Seed	476CR2	—	—	—	—	2936	—	4.7
Morsoy Extra	48X02	Purple	Lt. Tawny	Brown	Black	2481	I	4.8
Morsoy Extra	49x54	Purple	Gray	Brown	Imp. Black	2588	I	4.9
USG	74B83R	White	Lt. Tawny	Tan	Black	2716	I	4.8
REV	47R53	Purple	Tawny	Brown	Black	2970	—	4.7
REV	47R34	Purple	Lt. Tawny	Brown	Black	2533	—	4.7
REV	48R44	Purple	Lt. Tawny	Brown	Black	2810	—	4.8
REV	48R22	White	Lt. Tawny	Brown	Black	2689	—	4.8
REV	49R94	Purple	Tawny	Brown	Black	2804	—	4.9
HBK	RY4721	Purple	Lt. Tawny	Brown	Black	2650	I	4.7
Dyna-Gro	37RY47	Purple	Lt. Tawny	Tan	Black	2705	I	4.7
Dyna-Gro	S47RY13	Purple	Lt. Tawny	Brown	Black	2724	I	4.7
Dyna-Gro	SX14847RS	Purple	Lt. Tawny	Tan	Black	2409	I	4.7
Dyna-Gro	S48RS53	Purple	Gray	Tan	Imp. Black	2826	I	4.8
Dyna-Gro	S49RY25	Purple	Gray	Brown	Imp. Black	2533	I	4.9
Mycogen	5N478R2	Purple	Lt. Tawny	Brown	Black	2346	—	4.7
Mycogen	5N479R2	Purple	Gray	Tan	Imp. Black	2505	—	4.8
Armor	48-R66	—	—	—	—	2563	D/I	4.8

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

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 76 (cont.). Plant Characteristics of Maturity Group IV Late Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Armor	4471	—	—	—	—	3050	D/I	4.7
Progeny	4747RY	Purple	Lt. Tawny	Brown	Black	2800	I	4.7
Progeny	4788RY	Purple	Lt. Tawny	Brown	Black	2132	I	4.7
Progeny	4848RYS	Purple	Lt. Tawny	Tawny	Black	2413	I	4.8
Progeny	4850RYS	Purple	Gray	Tawny	Imp. Black	2845	I	4.8
Progeny	4900RY	Purple	Lt. Tawny	Tawny	Black	2606	I	4.9
Armor	49-R56	—	—	—	—	2500	D/I	4.9
Mycogen	MYCX 54490NR2	Purple	Gray	Brown	Imp. Black	2494	—	4.9
HBK	CZ 4959 RY	Purple	Lt. Tawny	Tan	Black	2828	I	4.9
REV	49A55	White	Gray	Brown	Buff	2864	—	4.9
Armor	47-R13	—	—	—	—	2710	D/I	4.7
MPG	4714 NRR	—	—	—	—	3371	—	4.7
NK Brand	S47-K5	—	—	—	—	2950	I	4.7
Armor	4470	—	—	—	—	2440	D/I	4.7
Armor	4490	—	—	—	—	2650	D/I	4.9
Great Heart Seed	GT 482 CR2	—	—	—	—	2523	—	4.8
Croplan	R2C 4752S	Purple	Gray	Tan	Imp. Black	2702	I	4.7
Armor	4480	—	—	—	—	2725	D/I	4.8
Armor	DK4744	—	—	—	—	2650	—	4.7
Croplan	R2C 4873	White	Lt. Tawny	Tan	—	2810	I	4.8

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

²D = determinate; I = indeterminate.

³Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 77. Plant Characteristics of Maturity Group V Early Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Univ. of Arkansas	R10-428RY	—	—	—	—	3356	—	—
Delta Grow	5475 RR2	White	Gray	Tan	Buff	3141	D	5.4
Delta Grow	5480 RR2	White	Gray	Tan	Buff	3046	D	5.4
Asgrow	5233	Purple	Lt. Tawny	Brown	Black	3068	I	5.2
Asgrow	5332	Purple	Tawny	Tan	Black	2795	I	5.3
Asgrow	5335	White	Lt. Tawny	Tan	Black	2330	I	5.3
Asgrow	5535	White	Tawny	Tan	Black	2808	D	5.5
Univ. of Arkansas	R04-1250 RR	Purple	Gray	Tan	Buff	3469	—	5.5
Univ. of Arkansas	R04-1268 RR	White	Gray	Tan	Buff	3641	—	5.4
Univ. of Arkansas	R10-197 RY	Purple	Gray	Tan	—	3061	—	5.6
Univ. of Arkansas	R10-130 RY	Purple	Gray	Tan	—	3029	—	5.2
Delta Grow	5230 RR2	White	Lt. Tawny	Tan	Brown	2747	D	5.2
Delta Grow	5575 RR2	Purple	Tawny	Brown	Brown	2975	D	5.5
MPG	5214NRR	—	—	—	—	3333	—	5.2
MPG	5314NRR	—	—	—	—	3189	—	5.3
Morsoy Extra	51x31	White	Gray	Tan	Buff	3066	D	5.1
Morsoy Extra	53x82	White	Gray	Tan	Buff	3242	D	5.3
Morsoy Extra	54x41	Purple	Gray	Tan	Imp. Black	3416	D	5.4
Great Heart Seed	GT500CR25	—	—	—	—	2946	—	5.0
Great Heart Seed	GT516CR2	—	—	—	—	2576	—	5.1
Morsoy Extra	56x02	Purple	Gray	Brown	Imp. Black	3004	I	5.6
REV	51R53	Purple	Lt. Tawny	Tan	Black	2498	—	5.1
REV	56R63	White	Gray	Tan	Buff	2774	—	5.2
REV	54R84	Purple	Tawny	Tan	Black	2755	—	5.4
REV	55R53	White	Tawny	Brown	Black	2679	—	5.5
Asgrow	5533	Purple	Gray	Tan	Imp. Black	2874	D	5.5
HBK	RY 5221	Purple	Gray	Tan	Imp. Black	2650	I	5.2
HBK	RY 5421	Purple	Gray	Tan	Imp. Black	2700	D	5.4
Dyna-Gro	S52RY75	White	Lt. Tawny	Tan	Brown	2714	D	5.2

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

²D = determinate; I = indeterminate.

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

Table 77 (cont.). Plant Characteristics of Maturity Group V Early Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Dyna-Gro	S54RY43	White	Gray	Tan	Buff	3431	D	5.4
Dyna-Gro	S56RY84	Purple	Tawny	Tan	Brown	2537	D	5.6
Mycogen	5N540R2	White	Gray	Tan	Buff	3414	—	5.4
Mycogen	5N550R2	Purple	Tawny	Tan	Brown	2554	—	5.5
Dyna-Gro	32RY55	Purple	Gray	Tan	Imp. Black	2458	D	5.5
Progeny	5213RY	Purple	Lt. Tawny	Brown	Black	2888	—	5.2
Progeny	5333RY	White	Gray	Tawny	Buff	2985	—	5.3
Progeny	5555RY	Purple	Tawny	Tawny	Brown	3030	—	5.5
Progeny	5610RY	Purple	Gray	Tawny	Imp. Black	2498	—	5.6
Armor	AX4500	—	—	—	—	2630	—	5.0
Armor	50-R44	—	—	—	—	2968	—	5.0
Armor	AX4520	—	—	—	—	2754	—	5.2
Mycogen	5N522 R2	White	Lt. Tawny	Tan	Brown	2697	—	5.2
Armor	53-R16	—	—	—	—	2849	—	5.3
Delta Grow	5556RR	—	—	—	—	2433	—	5.5
NK	S52-Y2	Purple	Lt. Tawny	Tan	Black	2750	I	5.2
NK	S51-C5	—	—	—	—	2900	D	5.1
NK	S55-Q3	—	—	—	—	2500	D	5.5
REV	52R74	White	Lt. Tawny	Tan	Black	2294	—	5.2
REV	52A94	Purple	Gray	Tan	Imp. Black	2832	—	4.9
Armor	51-R50	—	—	—	—	2650	—	5.1
Croplan	R2C 5081	White	Gray	Tan	Buff	3570	I	5.0

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

²D = determinate; I = indeterminate.

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

Table 78. Plant Characteristics of Maturity Group V Late Roundup Ready Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Univ. of Arkansas	R07-6614RR	White	Gray	Tan	Brown	2854	—	5.8
Asgrow	5935	Purple	Tawny	Brown	Black	2416	D	5.9
Asgrow	5831	Purple	Tawny	Tan	Black	2754	D	5.8
Rev	57R21	Purple	Tawny	Tan	Brown	2847	—	5.7
Dyna-Gro	39RY57	Purple	Tawny	Tan	Black	2484	D	5.7

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

²D = determinate; I = indeterminate.

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

Table 79. Plant Characteristics of Maturity Group IV Liberty Link Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Halo	4:40	—	—	—	—	2650	D/I	4.4
Halo	X440	—	—	—	—	2588	D/I	4.0
Halo	X442	—	—	—	—	—	D/I	4.2
Halo	X445	—	—	—	—	—	D/I	4.5
Delta Grow	4767 LL/STS	Purple	Gray	Tan	Imp. Black	3206	I	4.7
Delta Grow	4967 LL	White	Gray	Tan	Imp. Black	2966	I	4.9
Delta Grow	4990 LL	Purple	Gray	Tan	Imp. Black	2941	I	4.9
Delta Grow	4867LL	White	Tawny	Brown	Black	2887	I	4.8
Delta Grow	4981 LL/STS	White	Tawny	Tan	Black	2730	I	4.9
HBK	HBK LL4650	Purple	Gray	Brown	Black	2525	I	4.6
HBK	HBK LL 4850	White	Tawny	Tan	Black	2950	I	4.8
HBK	HBK LL 4950	White	Gray	Tan	Imp. Black	2700	I	4.9
HBK	HBK LL4953	Purple	Gray	Tan	Imp. Black	2800	I	4.9
Dyna-Gro	S49LL34	Purple	Gray	Tan	Imp. Black	2682	I	4.9
Progeny	4560 LL	Purple	Lt. Tawny	Brown	Black	2787	—	4.5
Progeny	4620 LLS	Purple	Gray	Tawny	Imp. Black	3173	—	4.6
Progeny	4819 LL	White	Tawny	Brown	Black	2581	—	4.8
Progeny	4928 LL	Purple	Gray	Tawny	Buff	2900	—	4.9
Progeny	4930 LL	Purple	Gray	Tawny	Imp. Black	3012	—	4.9
USG	74G74LS	Purple	Gray	Tan	Imp. Black	3196	I	4.7
Halo	4:76	—	—	—	—	3000	D/I	4.7
Halo	4:94	—	—	—	—	2850	D/I	4.9
Halo	4:97	—	—	—	—	2900	D/I	4.9
Halo	X448	—	—	—	—	2800	D/I	4.8
Halo	X449	—	—	—	—	2673	D/I	4.9
Go Soy	4713	Purple	Gray	Tan	Imp. Black	2896	—	4.7
Go Soy	4914	Purple	Gray	Tan	Imp. Black	2553	—	4.9
REV	49L29	—	—	—	—	3234	—	4.9
Halo	4:95	—	—	—	—	2775	D/I	4.9
Dyna-Gro	S49LS65	Purple	Gray	Tan	Imp. Black	2424	I	4.9
HBK	CZ 4748 LL	White	Lt. Tawny	Brown	Black	2901	I	4.7

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

²D = determinate; I = indeterminate.

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

Table 80. Plant Characteristics of Maturity Group V Liberty Link Soybeans.

Brand	Variety	Color				Seeds ¹	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I ²	RM ³
Delta Grow	5461 LL	Purple	Lt. Tawny	Tan	Black	2709	I	5.4
Delta Grow	5267 LL	Purple	Gray	Tan	Imp. Black	3004	—	5.2
Delta Grow	5367 LL	—	—	—	—	2888	D	5.3
Delta Grow	5481 LL	Purple	Gray	Tan	Imp. Black	3042	D	5.4
Progeny	5160LL	White	Tawny	Brown	Black	3066	—	5.1
Progeny	5220LLS	White	Tawny	Tawny	Black	2801	—	5.2
Progeny	5460LL	Purple	Lt. Tawny	Tawny	Brown	2879	—	5.4
Progeny	5960LL	White	Gray	Brown	Buff	2711	—	5.9
HBK	CZ 5150 LL	Purple	Gray	Tan	Imp. Black	2551	D	5.1
HBK	5242 LL	Purple	Gray	Tan	Imp. Black	2747	D	5.2
Halo	5:01	—	—	—	—	2850	—	5.0
Halo	5:25	—	—	—	—	2800	—	5.2
Halo	5:26	—	—	—	—	3054	—	5.2
Halo	5:45	—	—	—	—	3100	—	5.4
Halo	X452	—	—	—	—	3165	—	5.2
Halo	X451	—	—	—	—	2786	—	5.1
GoSoy	5214	Purple	Gray	Brown	Imp. Black	3613	—	5.2
REV	55L95	—	—	—	—	2439	—	5.5

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

²D = determinate; I = indeterminate.

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

2014 SOYBEAN VARIETY TRIAL PATHOLOGY REPORT

Stem canker. All of the entries in the 2014 Mississippi State Variety trials were evaluated for stem canker resistance. The results are given in Tables 81–88. Any entry rated above a 2.0 has the potential to have several yield losses due to stem canker.

Frogeye leaf spot. The results for the frogeye leaf spot trials are given in Tables 89–96. Entries from every maturity group were susceptible to frogeye leaf spot.

Table 81. Field evaluation of early maturity group IV (4.0–4.5) Roundup Ready soybean cultivars for resistance to stem canker, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
ATLANTA (Check)	4.38 a	P 4440 RY	1.38 bc
P 4211 RY	3.47 a	AG4533	1.38 bc
ARMOR 44-R08	2.22 b	AX 4450	1.34 bc
P 4510 RYS	1.84 bc	MYCOGEN 5N452 R2	1.33 bc
ARMOR 43-R43	1.79 bc	AX 4440	1.00 c
Croplan 4541	1.75 bc	STEYER 4393 R2	1.00 c
DG 543RY95	1.72 bc	MYCOGEN 5N451 R2	1.00 c
AX 4430	1.50 bc	USG 74F53 R	1.00 c
AG4135	1.46 bc	AG 4534	1.00 c
MORSOY 44X82	1.45 bc	P 45T11 RR	1.00 c
AG 4232	1.42 bc	S45-V8	1.00 c
31RY45	1.42 bc	—	—
LSD ($P=0.05$) ²	0.98		0.98

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

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 82. Field evaluation of late maturity group IV (4.6–4.7) Roundup Ready soybean cultivars for resistance to stem canker, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
ATLANTA (Check)	3.77 a	HBK RY 4721	1.00 e
P 4747 RY	3.02 b	SII-20356	1.00 e
HBK RY 4620	2.62 b	REV 47R34	1.00 e
37RY47	2.01 c	REV 47R53	1.00 e
AG 4632	1.50 d	Armor 47-R13	1.00 e
74B83 R	1.00 e	S 46-62	1.00 e
USG 74B94 RS	1.00 e	S 47-K5	1.00 e
P 47T36 R	1.00 e	MPG 4714 NRR	1.00 e
P 4613 RY2	1.00 e	AX 4460	1.00 e
546RY85	1.00 e	Armor 46-R65	1.00 e
P 47T89 R	1.00 e	R2C 47525	1.00 e
MORSOY 47X12	1.00 e	DG 4705	1.00 e
S 47RY13	1.00 e	AX 4470	1.00 e
GT 476C R2	1.00 e	DG 4755	1.00 e
5X 1484RS	1.00 e	DG 4670 RR2	1.00 e
REV 46 R64	1.00 e	DG 4685 RR2	1.00 e
SN 478 R2	1.00 e	DG 4775 RR	1.00 e
P 4788 RY	1.00 e	MORSOY 46X04	1.00 e
AX 4471	1.00 e	—	—
LSD ($P=0.05$) ²	0.49		0.49

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

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

**Table 83. Field evaluation of late maturity group IV (4.8–4.9)
Roundup Ready soybean cultivars for resistance to stem canker, 2014.**

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
ATLANTA (Check)	4.09 a	P 49T80	1.00 c
DG 4925	1.50 b	MXCX 54490 N R2	1.00 c
Go Soy 4914	1.19 bc	DG 4970	1.00 c
DG 4985	1.00 c	REV 49A55	1.00 c
P 94Y70	1.00 c	Armor 49-R56	1.00 c
P 94Y90	1.00 c	P 4848 RYS	1.00 c
MORSOY 48X02	1.00 c	MPV 483C	1.00 c
P 48T97 R	1.00 c	REV 542A94	1.00 c
MYCOGEN SN 479 R2	1.00 c	AX 4480	1.00 c
S 48 RS53	1.00 c	AX 4490	1.00 c
AG 4934	1.00 c	Croplan 4873 S	1.00 c
P 4850 RYS	1.00 c	REV 49A75	1.00 c
ARMOR 48-R66	1.00 c	DG 4940	1.00 c
S 49RY25	1.00 c	DG 4825	1.00 c
P 4900 RY	1.00 c	DG 4880	1.00 c
REV 48R22	1.00 c	AG 4835	1.00 c
REV 48R44	1.00 c	MORSOY 49X54	1.00 c
REV 49R94	1.00 c	DG 4930 RR2	1.00 c
LSD ($P=0.05$) ²	0.35		0.35

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

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

**Table 84. Field evaluation of early maturity group V (5.0–5.4)
Roundup Ready soybean cultivars for resistance to stem canker, 2014.**

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
ATLANTA (Check)	3.90 a	P 52T86	1.00 b
P 50T64 R	1.00 b	MYCX 5422 NR2	1.00 b
GT 516C R2	1.00 b	Armor 53-R16	1.00 b
MORSOY 53X82	1.00 b	AG 5335	1.00 b
MORSOY 51X31	1.00 b	S51-C5	1.00 b
AX 4500	1.00 b	REV 52R74	1.00 b
ARMOR 50-R44	1.00 b	S 52-Y2	1.00 b
S 52RY75	1.00 b	Go Soy 5214	1.00 b
AX 4520	1.00 b	Croplan 5081 RR2	1.00 b
HBK RY 5221	1.00 b	Armor 51-R50	1.00 b
AG 5332	1.00 b	Steyer 5101	1.00 b
P 5213 RY	1.00 b	AG 5233	1.00 b
P 5333 RY	1.00 b	DG 5230 RR2	1.00 b
REV 51-R53	1.00 b	MPG 5214 NRR	1.00 b
REV 54-R84	1.00 b	MPG 5314 NRR	1.00 b
P 53T735 R	1.00 b	GT-500C R2	1.00 b
P 52T50 R	1.00 b	RO 10-130 RY	1.00 b
LSD ($P=0.05$) ²	0.27		0.27

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

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

**Table 85. Field evaluation of early maturity group V (5.4–5.6)
Roundup Ready soybean cultivars for resistance to stem canker, 2014.**

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
ATLANTA (Check)	4.65 a	HBK RY 5421	1.00 c
DG 5480	1.31 b	DG 5475	1.00 c
REV 55R53	1.00 c	MYCOGEN SN540 R2	1.00 c
MORSOY 56X02	1.00 c	AG5535	1.00 c
MYCOGEN SN550 R2	1.00 c	AG 5575 RR2	1.00 c
P 5555	1.00 c	RO4-1250 RR	1.00 c
DYNAGRO 32R55	1.00 c	RO4-1268 RR	1.00 c
AG 5533	1.00 c	P 54T94 R	1.00 c
S 54RY43	1.00 c	MORSOY 54X41	1.00 c
LSD ($P=0.05$) ²	0.19		0.19

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

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

**Table 86. Field evaluation of late maturity group V (5.6–5.9)
Roundup Ready soybean cultivars for resistance to stem canker, 2014.**

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
ATLANTA (Check)	4.69 a	P 95Y70	1.00 c
REV 57R21	1.99 b	95Y10	1.00 c
AG 5935	1.77 b	R10-197 RY	1.00 c
RO7-6614 RR	1.13 c	MYCOGEN 39RY57	1.00 c
AG 5831	1.00 c	REV 56R63	1.00 c
S 56RY84	1.00 c	P 5610 RY	1.00 c
LSD ($P=0.05$) ²	0.50		0.50

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

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 87. Field evaluation of maturity group IV (4.2–4.9) conventional soybean cultivars for resistance to stem canker, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
J77-339 (Check)	3.00 a	USG 74G74 LS	1.00 b
S11-20356	1.13 b	HALO 4:76 LL	1.00 b
P 4560 LL	1.00 b	HALO X449 LL	1.00 b
P 4620 LLS	1.00 b	HALO 4:440	1.00 b
HBK LL 4650	1.00 b	DG 4990 LL	1.00 b
ELLIS	1.00 b	DYNA GRO S49L565	1.00 b
P 4819 LL	1.00 b	HALO 4:95	1.00 b
HBK LL 4950	1.00 b	HBK-BX4748 LL	1.00 b
P 4830 LL	1.00 b	HALO X4404 LL	1.00 b
P 4928 LL	1.00 b	DG 4767 LL	1.00 b
DG 4976 LL	1.00 b	RO9-4571	1.00 b
HBK LL 4953	1.00 b	RO8-2797	1.00 b
S 49 LL 34	1.00 b	RO5-3239	1.00 b
HBK LL 4850	1.00 b	HALO 448 LL	1.00 b
HALO 4:94 LL	1.00 b	SO9-6262	1.00 b
HALO 4:97 LL	1.00 b	USG 74G74 LS	1.00 b
LSD ($P=0.05$) ²	0.38		0.38

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

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 88. Field evaluation of maturity group V (5.0–5.9) conventional soybean cultivars for resistance to stem canker, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
J77-339 (Check)	4.33 a	HALO 5:26 LL	1.00 d
S11-20124	3.10 b	HALO X 451	1.00 d
LELAND	1.94 c	HALO 5:45	1.00 d
RO9-430	1.50 cd	HALO X452	1.00 d
HALO 5:25 LL	1.25 d	REV 55L95	1.00 d
UA 5213 C	1.00 d	DG 5461 LL	1.00 d
P 5220 LLS	1.00 d	JTN-5110	1.00 d
DG 5267 LL	1.00 d	OZARK	1.00 d
P 5960 LL	1.00 d	UA 5612	1.00 d
HALO 5:01 LL	1.00 d	OSAGE	1.00 d
DG 4367 LL	1.00 d	RO5-374	1.00 d
P 5160 LL	1.00 d	P 5469 LL	1.00 d
LSD ($P=0.05$) ²	0.66		0.66

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

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 89. Field evaluation of early maturity group IV (4.0–4.5) soybean cultivars to frogeye leaf spot, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
DK 4744 (Check)	8.75 a	MORSOY 44X82	3.50 g-k
P 4510 RYS	7.13 b	P 4211 RY	3.38 h-l
AX 4450	6.38 bc	AG4135	2.75 i-m
AG 4232	6.00 bcd	USG 74F53 R	2.50 j-n
ARMOR 43-R43	6.00 bcd	MYCOGEN 5N452 R2	2.38 j-n
S45-V8	5.38 cde	Croplan 4541	2.25 k-n
AG 4534	4.88 def	ARMOR 44-R08	2.13 lmn
STEYER 4393 R2	4.75 d-g	MYCOGEN 5N451 R2	2.00 mn
P 4440 RY	4.25 e-h	31RY45	1.63 mn
AX 4440	4.13 e-h	AG4533	1.50 mn
AX 4430	3.88 f-i	P 45T11 RR	1.38 n
DG 543RY95	3.63 f-j	—	—
LSD ($P=0.05$) ²	1.32		1.32

¹Disease rating scores were based on a visual rating of leaf disease using a (0–9) scale (0=0-1%, 1=1.1-10%, 2=10.1-20%, 3=20.1-30%, 4=30.1-40%, 5=40.1-50%, 6=50.1-60%, 7=60.1-70%, 8=70.1-80%, 9=80.1-100%).

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 90. Field evaluation of late maturity group IV (4.6–4.7) soybean cultivars to frogeye leaf spot, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
DK 4744 (Check)	8.25 a	R2C 47525	4.50 g-l
USG 74B94 RS	7.75 ab	AX 4460	4.50 g-l
546RY85	6.88 abc	SII-20356	4.50 g-l
DG 4685 RR2	6.88 abc	MORSOY 47X12	4.00 g-m
5X 1484 RS	6.88 abc	Armor 47-R13	3.75 h-n
S 46-62	6.75 a-d	P 4747 RY	3.75 h-n
MPG 4714 N RR	6.75 a-d	HBK RY 4721	3.38 i-n
AX 4470	6.63 a-e	Armor 46-R65	3.38 i-n
74B83 R	6.63 a-e	REV 47R34	3.25 j-n
37RY47	6.25 b-f	P 4613 RY2	3.25 j-n
GT 476C R2	5.50 c-g	SN 478 R2	3.13 k-n
MORSOY 46X04	5.50 c-g	AG 4632	3.00 k-n
REV 46R64	5.13 d-h	DG 4670 RR2	2.88 lmn
DG 4775 RR	5.00 e-i	P 4788 RY	2.88 lmn
S 47RY13	4.88 f-j	P 47T36 R	2.75 mn
HBK RY4620	4.63 f-k	REV 47R53	2.63 mn
AX 4471	4.63 f-k	P 47T89 R	2.50 mn
DG 4755	4.63 f-k	S 47-K5	2.13 n
DG 4705	4.63 f-k	—	—
LSD ($P=0.05$) ²	1.68		1.68

¹Disease rating scores were based on a visual rating of leaf disease using a (0–9) scale (0=0-1%, 1=1.1-10%, 2=10.1-20%, 3=20.1-30%, 4=30.1-40%, 5=40.1-50%, 6=50.1-60%, 7=60.1-70%, 8=70.1-80%, 9=80.1-100%).

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 91. Field evaluation of late maturity group IV (4.8–4.9) soybean cultivars to frogeye leaf spot, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
DK 4744 (Check)	8.38	DG 4940	3.75
DG 4930 RR2	7.13	MORSOY 49X54	3.75
P 4848 RYS	6.88	MORSOY 48X02	3.63
AG 4934	6.63	P 4850 RYS	3.50
AX 4490	6.50	P 49T80	3.50
DG 4825	6.25	S 48 RS53	3.00
Croplan 4873 S	6.13	AG 4835	3.00
ARMOR 48-R66	6.00	P 4900 RY	2.88
DG 4925	5.88	REV 48R22	2.75
AX 4480	4.88	REV 49R94	2.63
Armor 49-R56	4.63	REV 48R44	2.38
MYCOGEN SN 479 R2	4.50	DG 4880	2.38
MXCX 54490N R2	4.38	REV 49A55	2.25
P 94Y90	4.25	P 48T97 R	2.25
S 49 RY25	4.25	DG 4970	2.13
REV 49A75	4.25	REV 542A94	2.00
DG 4985	3.88	MPV 483C	1.75
P 94Y70	3.75	Go Soy 4914	1.75
LSD ($P=0.05$) ²	1.46		1.46

¹Disease rating scores were based on a visual rating of leaf disease using a (0–9) scale (0=0-1%, 1=1.1-10%, 2=10.1-20%, 3=20.1-30%, 4=30.1-40%, 5=40.1-50%, 6=50.1-60%, 7=60.1-70%, 8=70.1-80%, 9=80.1-100%).
²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 92. Field evaluation of early maturity group V (5.0–5.4) soybean cultivars to frogeye leaf spot, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
DK 4744 (Check)	8.13 a	P 50T64 R	3.25 g-l
MPG 5314 NRR	6.38 b	ARMOR 50-R44	3.13 g-l
GT-500C R2	6.13 b	RO 10-130 RY	2.88 h-m
REV 51-R53	6.00 b	MORSOY 53X82	2.88 h-m
AG 5233	5.63 bc	REV 52R74	2.75 i-m
S 52-Y2	5.38 bcd	MORSOY 51X31	2.75 i-m
Armor 53-R16	4.75 cde	P 52T86	2.63 j-n
AG 5332	4.63 cde	Croplan 5081 RR2	2.50 k-o
AG 5335	4.50 c-f	DG 5230 RR2	2.50 k-o
AX 4500	4.50 c-f	MYCX5422N R2	2.25 k-o
S 51-C5	4.25 d-g	P 53T735 R	2.25 k-o
GT 516C R2	4.00 e-h	AX 4520	2.25 k-o
P 52T50 R	4.00 e-h	S 52RY75	2.13 l-o
P 5213 RY	3.88 e-i	Steyer 5101	1.75 mno
P 5333 RY	3.88 e-i	HBK RY 5221	1.75 mno
MPG 5214 NRR	3.75 e-j	Go Soy 5214	1.50 no
REV 54R84	3.38 f-j	Armor 51-R50	1.38 o
LSD ($P=0.05$) ²	1.17		1.17

¹Disease rating scores were based on a visual rating of leaf disease using a (0–9) scale (0=0-1%, 1=1.1-10%, 2=10.1-20%, 3=20.1-30%, 4=30.1-40%, 5=40.1-50%, 6=50.1-60%, 7=60.1-70%, 8=70.1-80%, 9=80.1-100%).
²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 93. Field evaluation of early maturity group V (5.4–5.6) soybean cultivars to frogeye leaf spot, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
DK 4744 (Check)	7.63 a	DG 5480	3.25 d-h
P 54T94 R	4.88 b	MYCOGEN SN550 R2	3.00 e-i
MYCOGEN SN540 R2	4.75 bc	HBK RY 5421	2.50 f-j
REV 55R53	4.25 bcd	P 5555	2.38 g-j
S 54RY43	4.13 bcd	RO4-1250 RR	2.25 hij
RO4-1268 RR	3.88 b-e	AG 5575 RR2	2.13 ij
MORSOY 56X02	3.75 cde	MORSOY 54X41	2.00 ij
AG 5533	3.50 def	DYNAGRO 32R55	1.75 j
DG 5475	3.38 d-g	AG5535	1.63 j
LSD ($P=0.05$) ²	1.11		1.11

¹Disease rating scores were based on a visual rating of leaf disease using a (0–9) scale (0=0-1%, 1=1.1-10%, 2=10.1-20%, 3=20.1-30%, 4=30.1-40%, 5=40.1-50%, 6=50.1-60%, 7=60.1-70%, 8=70.1-80%, 9=80.1-100%).
²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 94. Field evaluation of late maturity group V (5.6–5.9) soybean cultivars to frogeye leaf spot, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
DK 4744 (Check)	7.13 a	P 95Y70	2.25 def
MYCOGEN 39RY57	4.00 b	RO7-6614 RR	2.00 def
AG 5831	3.38 bc	95Y10	2.00 def
R10-197 RY	2.88 cd	P 5610 RY	2.00 def
AG 5935	2.50 cde	REV 56R63	1.63 ef
S 56RY84	2.50 cde	REV 57R21	1.50 f
LSD ($P=0.05$) ²	0.88		0.88

¹Disease rating scores were based on a visual rating of leaf disease using a (0–9) scale (0=0-1%, 1=1.1-10%, 2=10.1-20%, 3=20.1-30%, 4=30.1-40%, 5=40.1-50%, 6=50.1-60%, 7=60.1-70%, 8=70.1-80%, 9=80.1-100%).

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 95. Field evaluation of maturity group IV (4.2–4.9) conventional soybean cultivars to frogeye leaf spot, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
DK 4744 (Check)	8.25 a	HBK-BX4748 LL	1.75 i-l
SO9-6262	6.88 AB	HALO X44041 LL	1.63 I-L
HALO 4:95	6.00 BC	P 4560 LL	1.63 I-L
RO8-2797	5.88 BCD	HALO 4:76 LL	1.63 I-L
RO9-4571	5.88 BCD	HBK LL 4953	1.63 I-L
P 4819 LL	5.88 BCD	S 49 LL34	1.13 JKL
HBK LL 4850	5.13 CDE	DYNA GRO S49L565	1.13 JKL
DG 4767 LL	4.50 C-F	S11-20356	1.13 JKL
HALO 4:97 LL	4.38 DEF	HBK LL4650	1.00 JKL
USG 74G74 LS	3.75 EFG	P 4830 LL	1.00 JKL
P 4620 LLS	3.50 FGH	HALO 4:94 LL	1.00 JKL
HALO 448LL	3.00 F-I	ELLIS	1.00 JKL
RO5-3239	2.38 G-J	P 4928 LL	0.88 JKL
HALO X449 LL	2.13 H-K	DG 4990 LL	0.75 KL
HBK LL 4950	1.88 I-L	DG 4976 LL	0.50 L
HALO 4:440	1.75 I-L	—	—
LSD ($P=0.05$) ²	1.52		1.52

¹Disease rating scores were based on a visual rating of leaf disease using a (0–9) scale (0=0-1%, 1=1.1-10%, 2=10.1-20%, 3=20.1-30%, 4=30.1-40%, 5=40.1-50%, 6=50.1-60%, 7=60.1-70%, 8=70.1-80%, 9=80.1-100%).

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Table 96. Field evaluation of maturity group V (5.0–5.9) conventional soybean cultivars to frogeye leaf spot, 2014.

Cultivar	Disease rating ¹	Cultivar	Disease rating ¹
DG 4744 (Check)	8.13 a	HALO 5:01 LL	3.13 b-h
DG 4367 LL	4.38 B	HALO 5:26 LL	3.13 B-H
UA 5213 C	4.25 BC	P 5960 LL	3.00 B-H
UA 5612	4.13 BCD	S 11-20124	3.00 B-H
OZARK	3.88 B-E	HALO 5:45	2.88 C-H
RO9-430	3.88 B-E	P 5469 LL	2.75 D-I
JTN-5110	3.88 B-E	DG 5267 LL	2.63 E-I
P 5220 LLS	3.63 B-F	HALO 5:25 LL	2.38 F-I
DG 5461 LL	3.25 B-G	OSAGE	2.25 F-I
LELAND	3.25 B-G	HALO X452	2.13 GHI
RO5-374	3.25 B-G	P 5160 LL	1.75 HI
HALO X 451	3.13 B-H	REV 55L95	1.38 I
LSD ($P=0.05$) ²	1.45		1.45

¹Disease rating scores were based on a visual rating of leaf disease using a (0–9) scale (0=0-1%, 1=1.1-10%, 2=10.1-20%, 3=20.1-30%, 4=30.1-40%, 5=40.1-50%, 6=50.1-60%, 7=60.1-70%, 8=70.1-80%, 9=80.1-100%).

²Means within a column followed by the same letter are not significantly different ($P=0.05$) as determined by least significant difference (LSD) test.

Public Varieties Entered

University of Arkansas

R10-428RY

R05-3239

R09-4571

R08-2797

OZARK

OSAGE

UA 5612

UA 5213C

R05-374

R09-430

R04-1250RR

R04-1268RR

R07-6614RR

R10-197RY

R10-130RY

University of Missouri

S09-6262

S11-20356

S11-20124

USDA Agricultural Research Service – Tennessee

JTN-5110

Commercial Varieties Entered

Armor Seed, LLC 183 Pennsylvania Ave. Waldenburg, AR 72475	Armor	43-R43	Armor	AX4450
	Armor	AX4460	Armor	47-R13
	Armor	AX4430	Armor	AX4470
	Armor	44-R08	Armor	AX4471
	Armor	AX4440	Armor	AX4480
	Armor	AX4441	Armor	48-R66
	Armor	46-R65	Armor	49-R56
Bayer CropScience 392 CR 83 McCarley, MS 38943	HBK	RY4620	HBK	LL4950
	HBK	RY4721	HBK	LL4953
	HBK	RY5221	HBK	LL5350
	HBK	RY5421	HBK	CZ 4748 LL
	HBK	LL4650	HBK	CZ 4959 RY
	HBK	LL4653	HBK	CZ 5150 LL
	HBK	LL4850	HBK	CZ 5242 LL
Cache River Valley Seed, LLC 12470 Hwy. 226 East Cash, AR 72421	MorSoy Extra	44X82	MorSoy Extra	49X54
	MorSoy Extra	47X12	MorSoy Extra	51X31
	MorSoy Extra	48X02	MorSoy Extra	53X82
	MorSoy Extra	46X04	MorSoy Extra	54X41
	MorSoy Extra	48X34	MorSoy Extra	56X02
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow	4670 RR2	Delta Grow	4767 LL/STS
	Delta Grow	4685 RR2	Delta Grow	4867 LL
	Delta Grow	4755 RR2	Delta Grow	4967 LL
	Delta Grow	4765 RR2/STS	Delta Grow	4981 LL/STS
	Delta Grow	4725 RR2	Delta Grow	4990 LL
	Delta Grow	4775 RR2/STS	Delta Grow	5267 LL
	Delta Grow	4825 RR2/STS	Delta Grow	5367 LL
	Delta Grow	4925 RR2	Delta Grow	5461 LL
	Delta Grow	4930 RR2/STS	Delta Grow	5481 LL
	Delta Grow	4940 RR	Delta Grow	5230 RR2
	Delta Grow	4970 RR	Delta Grow	5475 RR2
	Delta Grow	4880 RR	Delta Grow	5480 RR2
	Delta Grow	4985 RR2	Delta Grow	5565 RR2
	Delta Grow	5130 RR2	Delta Grow	5575 RR2
Dyna-Gro Seed 125 Robinson Road Houston, MS 38851	Dyna-Gro	S43RY95	Dyna-Gro	S52RY75
	Dyna-Gro	31RY45	Dyna-Gro	S54RY43
	Dyna-Gro	S46RY85	Dyna-Gro	32RY55
	Dyna-Gro	37RY47	Dyna-Gro	S56RY84
	Dyna-Gro	S47RY13	Dyna-Gro	39RY57
	Dyna-Gro	SX47847RS	Dyna-Gro	S49LL34
	Dyna-Gro	S48RS53	Dyna-Gro	S49LS65
	Dyna-Gro	S49RY25		
Great Heart Seed Street 220 West Washington Paris, IL 61944	Great Heart Seed	GT 469LR2S	Great Heart Seed	GT 482CR2
	Great Heart Seed	GT 476CR2	Great Heart Seed	GT 516CR2
	Great Heart Seed	GT 500CR2S		
Monsanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	Asgrow	AG4135	Asgrow	AG5233
	Asgrow	AG4232	Asgrow	AG5332
	Asgrow	AG4533	Asgrow	AG5335
	Asgrow	AG4534	Asgrow	AG5533
	Asgrow	AG4632	Asgrow	AG5831
	Asgrow	AG4835	Asgrow	AG5935
	Asgrow	AG4934		
Mycogen Seeds 107 Meritt Cove Marion, AR 72364	Mycogen	5N451R2	Mycogen	5N540R2
	Mycogen	5N452R2	Mycogen	MYCX54480NR2
	Mycogen	5N478R2	Mycogen	MYCX54490NR2
	Mycogen	5N479R2	Mycogen	5N522 R2

Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny	4211 RY	Progeny	5555 RY
	Progeny	4440 RY	Progeny	5610 RY
	Progeny	4510 RYS	Progeny	4560 LL
	Progeny	4613 RYS	Progeny	4620 LLS
	Progeny	4747 RY	Progeny	4819 LL
	Progeny	4788 RY	Progeny	4928 LL
	Progeny	4848 RYS	Progeny	4930 LL
	Progeny	4850 RYS	Progeny	5160 LL
	Progeny	4900 RY	Progeny	5220 LLS
	Progeny	5213 RY	Progeny	5460 LL
Progeny	5333 RY	Progeny	5960 LL	
Steyer Seeds P.O. Box 209 Old Fort, OH 44861	Steyer	4702R2		
	Steyer	5101R2		
	Steyer	4303R2		
Stratton Seed Company 1530 Hwy. 79 South Stuttgart, AR 72160	Go Soy	4713	MPG	5214NRR
	Go Soy	4914	MPG	5314NRR
	Go Soy	5214	MPV	483C
	MPG	4714 NRR	Stratton	Leland
Syngenta 112 Meadowlark Lane Indianola, MS 38751	NK Brand	46-L2 Brand	NK Brand	47-K5 Brand
	NK Brand	45-V8 Brand	NK Brand	51-C5 Brand
	NK Brand	52-Y2 Brand	NK Brand	55-Q3 Brand
Terral Seed Inc. 111 Ellington Dr. Rayville, LA 71269	REV	46R64	REV	54R84
	REV	47R53	REV	55R53
	REV	47R34	REV	57R21
	REV	48R44	REV	49A55
	REV	48R22	REV	49A75
	REV	49R94	REV	52A94
	REV	51R53	REV	49L29
	REV	52R74	REV	55L95
REV	56R63			
UniSouth Genetics Inc. 3205-C Hwy. 46 South Dickson, TN 37055	USG	74F24RS	USG	74B983R
	USG	74F53R	USG	Ellis
	USG	74B94RS	USG	74G74LS
US Seeds, LLC 2532 Alexander Drive Suite B Jonesboro, AR 72401	Halo	4:40	Halo	5:26
	Halo	4:76	Halo	5:45
	Halo	4:94	Halo	X440
	Halo	4:95	Halo	X448
	Halo	4:97	Halo	X449
	Halo	5:01	Halo	X451
	Halo	5:25	Halo	X452
Winfield 115 West Race Street Rolling Fork, MS 39159	Croplan	4541 RR2	Croplan	4873S RR2
	Croplan	4752S RR2	Croplan	5081 RR2



MISSISSIPPI STATE UNIVERSITY®

Mention of a trademark or proprietary product does not constitute a guarantee or warranty of the product by the Mississippi Agricultural and Forestry Experiment Station and does not imply its approval to the exclusion of other products that also may be suitable.

We are an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.

mafes.msstate.edu/variety-trials