

12-1-2011

Arkansas Soybean Performance Tests 2011

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Recommended Citation

Bond, R. D.; Dombek, D. G.; Still, J. A.; and Pryor, R. M., "Arkansas Soybean Performance Tests 2011" (2011). *Research Series*. 57.
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Arkansas Soybean Performance Tests

2011



R.D Bond • D.G. Dombek • J.A. Still • R.M. Pryor

UofA

**DIVISION OF AGRICULTURE
RESEARCH & EXTENSION**

University of Arkansas System

ARKANSAS AGRICULTURAL EXPERIMENT STATION

December 2011

Research Series 596

This publication is available on the internet at: <http://arkansasagnews.uark.edu/1356.htm> and at www.arkansasvarietytesting.com

Cover photo by Fred Miller.

Technical editing and cover design by Gail Halleck

Arkansas Agricultural Experiment Station, University of Arkansas System Division of Agriculture, Fayetteville. Mark J. Cochran, Vice President for Agriculture; Richard A. Roeder, Interim AAES Director and Interim Associate Vice-President for Agriculture–Research. PMC800/InddCS5.
The University of Arkansas Division of Agriculture follows a nondiscriminatory policy in programs and employment.
ISSN: 1941-1642 CODEN: AKAMA6

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ACKNOWLEDGMENTS

The contributions of the following individuals are gratefully acknowledged:

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ARKANSAS SOYBEAN PERFORMANCE TESTS¹ 2011

R.D. Bond², D.G. Dombek³, J.A. Still⁴ and R.M. Pryor⁵

INTRODUCTION

Soybean variety and strain performance tests are conducted each year in Arkansas by the University of Arkansas System Division of Agriculture Arkansas Crop Variety Improvement Program. The tests provide information to companies developing varieties and/or marketing seed within the state, and aid the Arkansas Cooperative Extension Service in formulating variety recommendations for soybean producers.

METHODS

Varieties and strains were eligible for entry into three types of tests: Roundup Ready™ Early Planted Tests (RR EPTs), Roundup Ready™ Full-Season Tests (RR FSTs) and Non-Roundup Ready™ and LibertyLink™ Full-Season Tests (NonRR and LL FSTs). Entries in the RR FSTs and NonRR and LL FSTs were also tested in Double-Crop Tests. To facilitate field operations and to allow for fairer comparisons between varieties and strains in all three types of tests, entries were divided into maturity classes based on information provided by the originating company or institution. Entries in the RR EPTs were divided into three maturity classes. Entries in the RR FSTs and NonRR and LL FSTs were divided into four maturity classes. Entries in the “Early” and “Late” Group IV RR EPTs, RR FSTs and NonRR and LL FSTs had relative maturities ranging from 4.0 to 4.6 and 4.7 to 4.9, respectively. Entries in the Group V RR EPTs had relative maturities ranging from 5.0 to 5.3. Entries in the “Early” and “Late” MG V RR FSTs and NonRR and LL FSTs had relative maturities ranging from 5.0 to 5.5 and 5.6 to 5.9, respectively.

The 2011 soybean FSTs were conducted at the Northeast Research and Extension Center (NEREC) at Keiser, the Lon Mann Cotton Research Station (LMCRS) near Marianna, the Rice Research and Extension Center (RREC) near Stuttgart, the Rohwer Research Station (RRS) near Rohwer, and the Vegetable Research Station (VRS) near Kibler. The EPTs were established at the NEREC, the

RRS, and the LMCRS. A test location map can be found inside the back cover.

Within each test, entries were arranged as a randomized complete block design with three or four replications. Plots in all tests were 4 or 5 rows wide depending on between-row spacing and 20-25 feet in length. Seeds were packaged for recommended planting rates and were planted with a cone planter. Specific location and cultural practice information accompany each table.

Interior rows of each plot were harvested for yield determination, except in the NEREC RR EPTs and Double-Crop tests and the LMCRS EPTs where all rows were harvested. Percent moisture was recorded for all harvested seed and plot weights were adjusted to 13% moisture. Plot weights of all tests were converted to yield in bushels per acre (bu/A).

Plots were visually rated for shattering and lodging. Shattering ratings were carried out on border rows according to the following scale:

- | | |
|-------------------|--------------------------|
| 1. No shattering | 4. 9-19% shattered |
| 2. 1-3% shattered | 5. 20% or more shattered |
| 3. 4-8% shattered | |

Lodging ratings were recorded on a scale from 1 to 5 based on the following criteria:

1. Almost all plants erect
2. Either all plants leaning slightly, or a few plants down
3. Either all plants leaning moderately, or 25-50% of the plants down
4. Either all plants leaning considerably, or 50-80% of the plants down
5. All plants down badly

Average plant height was recorded in inches for each plot in the first replication of each test.

Variety Testing Website

This report and other information about variety testing for corn, cotton, grain sorghum, rice, and small grains can be found at www.ArkansasVarietyTesting.com. Disease ratings that do not appear in this or other reports may also be found on this Website.

¹Use of products and trade names in this report does not constitute a guarantee or warranty of the products named and does not signify that those products are approved to the exclusion of comparable products.

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Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser	Marianna	Rohwer	Silt ² Loam Average	All-Location Average
.....bu/A.....						
<u>Maturity Group IV Early (RM 3.9 to 4.6)</u>						
Armor 46-R42	RR2	83.5	72.4	79.0	75.7	78.3
Armor X1204	RR2	90.2	79.0	81.3	80.2	83.5
Armor X1206	RR2	86.3	79.3	82.7	81.0	82.8
ASGROW AG4632	RR2	88.8	76.2	81.5	78.9	82.2
Croplan R2C4110	RR2	77.8	63.2	67.3	65.3	69.4
Croplan R2C4220	RR2	80.7	60.3	79.9	70.1	73.6
Croplan R2C4520	RR2	78.7	73.7	76.5	75.1	76.3
Croplan R2C4660	RR2	74.9	76.8	73.4	75.1	75.0
Delta Grow DG4460RR	RR1	81.4	71.3	73.9	72.6	75.5
Delta Grow DG4670RR	RR2	88.7	79.3	79.5	79.4	82.5
Dyna-Gro 31RY45	RR2	86.2	72.9	81.7	77.3	80.3
Dyna-Gro 39RY43	RR2	90.1	79.1	81.3	80.2	83.5
HBK RY4620	RR2/STS	86.2	68.7	75.1	71.9	76.7
Morsoy Xtra 46X29	RR2/STS	87.5	75.0	79.1	77.1	80.5
Morsoy Xtra 46X71	RR2	91.2	79.4	79.1	79.2	83.2
Progeny 3911RY	RR2	73.3	75.8	76.2	76.0	75.1
Progeny 4211RY	RR2	92.1	81.4	84.4	82.9	86.0
Progeny 4510RY	RR2	84.9	74.7	80.5	77.6	80.0
Progeny 4611RY	RR2	79.8	80.9	74.7	77.8	78.5
REV® 44R22™	RR1	82.1	56.0	72.5	64.2	70.2
REV® 45R10™	RR1	78.1	67.9	73.1	70.5	73.0
REV® 46R73™	RR1	82.2	75.5	71.0	73.3	76.2
S08-14087	RR1	85.2	69.4	71.9	70.7	75.5
Schillinger 457.RCP	RR1	75.0	55.2	74.1	64.6	68.1
Schillinger 458.RCS	RR1/STS	83.2	77.9	76.5	77.2	79.2
USG 74A45	RR1	72.0	73.2	72.0	72.6	72.4
USG 74C69	RR1	69.5	59.7	68.9	64.3	66.0
USG 74D41R	RR2	80.4	75.1	85.6	80.4	80.4
USG 74F11R	RR2	76.6	77.8	83.0	80.4	79.1
GRAND MEAN		82.3	72.7	77.1	74.9	77.3
LSD (5%)		5.9	7.5	6.1	6.8	6.5
C.V.		5.1	7.4	5.6	6.5	6.0

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser	Marianna	Rohwer	Silt ² Loam Average	All-Location Average
.....bu/A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>						
Armor 48-R40	RR2/STS	86.0	69.0	84.0	76.5	79.7
Armor DK 4744	RR2/STS	88.7	65.8	78.7	72.2	77.7
Armor X1208	RR2	78.8	62.6	74.7	68.7	72.1
Armor X1209	RR2	83.6	64.6	80.5	72.6	76.2
Armor X1210	RR1	81.9	61.1	85.0	73.0	76.0
Armor X1211	RR1	72.0	59.8	78.7	69.3	70.2
ASGROW AG4732	RR2	83.9	57.3	77.0	67.2	72.8
ASGROW AG4832	RR2	85.3	64.6	76.7	70.6	75.5
ASGROW AG4932	RR2	79.3	60.3	71.3	65.8	70.3
Croplan R2C4801	RR2	76.8	63.5	80.4	71.9	73.5
Croplan R2T4799S	RR2/STS	86.0	65.6	82.5	74.1	78.0
Delta Grow DG4770RR	RR1	75.0	54.6	79.0	66.8	69.5
Delta Grow DG4875R2Y	RR2	79.0	59.1	77.2	68.2	71.8
Delta Grow DG4880RR	RR1	80.2	59.3	83.7	71.5	74.4
Delta Grow DG4970RR	RR1	76.9	53.4	72.1	62.7	67.4
Delta Grow DG4975RR	RR1	81.7	65.5	72.9	69.2	73.3
Dyna-Gro V48N7RS	RR1/STS	80.1	62.0	80.0	71.0	74.0
Eagle Seed ES4777	RR1	72.7	63.3	75.5	69.4	70.5
Eagle Seed ES4818	RR1	75.0	52.6	72.5	62.5	66.7
Eagle Seed ES4998	RR1	82.1	53.8	78.2	66.0	71.4
HBK R4729	RR1	69.8	55.0	72.9	64.0	65.9
HBK R4829	RR1	74.7	54.1	83.5	68.8	70.8
HBK R4830	RR1	75.2	50.9	70.7	60.8	65.6
HBK R4924	RR1	73.7	62.0	64.8	63.4	66.9
Morsoy Xtra 47X31	RR2	80.6	65.1	74.4	69.8	73.4
Morsoy Xtra 48X00	RR2/STS	83.8	62.4	76.8	69.6	74.3
Progeny 4710RY	RR2	78.1	63.1	74.5	68.8	71.9
Progeny 4750RR	RR1	80.5	58.2	81.5	69.8	73.4
Progeny 4807RR	RR1	82.8	64.5	80.3	72.4	75.9
Progeny 4811RY	RR2	79.1	65.1	78.0	71.5	74.0
Progeny 4906RR	RR1	85.5	60.3	74.8	67.6	73.5
Progeny 4911RY	RR2	65.3	55.9	66.8	61.3	62.6
REV® 47R22™	RR1	79.6	68.1	82.6	75.4	76.8
REV® 47R53™	RR1	88.3	65.4	81.1	73.2	78.3
REV® 48R10™	RR1	78.7	60.9	79.5	70.2	73.0
REV® 48R21™	RR1	77.8	64.3	70.6	67.5	70.9
REV® 48R22™	RR1	77.2	63.5	75.2	69.3	72.0
REV® 48R33™	RR1	85.6	74.7	83.0	78.9	81.1
REV® 49R10™	RR1	77.8	66.2	71.9	69.1	72.0
REV® 49R11™	RR1	82.5	67.9	83.5	75.7	77.9
REV® 49R22™	RR1	68.3	58.3	74.5	66.4	67.0
REV® 49R43™	RR1	84.3	67.5	77.1	72.3	76.3
Schillinger 478.RCS	RR1/STS	75.1	61.8	75.8	68.8	70.9
Schillinger 495.RC	RR1	74.1	61.8	77.7	69.7	71.2
Schillinger 4990.RC	RR1	76.3	57.1	70.1	63.6	67.8

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser	Marianna	Rohwer	Silt ² Loam Average	All-Location Average
.....bu/A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>						
USG 74A79R	RR2/STS	85.2	65.5	72.8	69.2	74.5
USG 74A91	RR1	77.5	61.6	69.9	65.8	69.7
USG 74B81R	RR2	79.7	73.0	78.5	75.8	77.1
USG 74E88	RR1/STS	84.6	73.1	80.5	76.8	79.4
GRAND MEAN		79.3	62.1	76.8	69.5	72.8
LSD (5%)		6.6	7.5	7.6	7.6	7.2
C.V.		5.9	8.7	7.1	7.9	7.2
<u>Maturity Group V (RM 5.0 to 5.3)</u>						
ASGROW AG5232	RR2	74.1	52.6	64.5	58.5	63.7
Croplan R2C5081	RR2	77.7	60.3	78.1	69.2	72.0
Delta Grow DG5110R2Y	RR2	69.7	61.4	54.0	57.7	61.7
Delta Grow DG5160RR/STS	RR1/STS	74.5	61.8	66.6	64.2	67.6
Delta Grow DG5252R2Y	RR2	72.1	61.2	69.4	65.3	67.6
Delta Grow DG5275R2Y	RR2	72.4	52.9	57.9	55.4	61.1
Delta Grow DG5280RR	RR1	76.0	58.8	62.4	60.6	65.7
Delta Grow DG5300RR/STS	RR1/STS	76.1	61.6	62.5	62.1	66.7
Dyna-Gro 37RY52	RR2	76.4	59.4	59.4	59.4	65.1
HBK R5226	RR1	72.5	59.4	62.5	60.9	64.8
HBK RY5220	RR2	75.5	56.6	67.3	62.0	66.5
Progeny 5111RY	RR2	73.9	64.3	75.1	69.7	71.1
Progeny 5210RY	RR2	69.6	58.8	61.0	59.9	63.2
Progeny 5321RY	RR2	70.8	61.8	52.6	57.2	61.7
Progeny 5330RR	RR1	75.0	63.1	62.5	62.8	66.9
REV@ 51R53™	RR1	86.4	74.5	75.1	74.8	78.6
GRAND MEAN		74.5	60.5	64.4	62.5	66.5
LSD (5%)		6.2	7.0	6.0	6.5	6.4
C.V.		5.8	8.1	6.5	7.3	6.8

¹Keiser = Northeast Research and Extension Center.

Marianna = Lon Mann Cotton Research Station.

Rohwer = Rohwer Research Station.

²Average yield of Marianna and Rohwer locations.

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Progeny 4211RY	92.1	•	•	9/23	1.0	1.0	36
Morsoy Xtra 46X71	91.2	•	•	9/29	1.3	1.0	40
Armor X1204	90.2	•	•	9/22	1.0	1.0	36
Dyna-Gro 39RY43	90.1	•	•	9/22	1.3	1.0	34
ASGROW AG4632	88.8	•	•	9/30	1.8	1.0	45
Delta Grow DG4670RR	88.7	•	•	9/29	1.8	1.0	43
Morsoy Xtra 46X29	87.5	•	•	9/29	1.0	1.0	34
Armor X1206	86.3	•	•	9/30	1.8	1.0	46
Dyna-Gro 31RY45	86.2	•	•	9/29	1.8	1.0	45
HBK RY4620	86.2	•	•	9/30	2.0	1.0	36
S08-14087	85.2	•	•	10/1	1.0	1.0	47
Progeny 4510RY	84.9	81.1	•	9/30	1.5	1.0	33
Armor 46-R42	83.5	•	•	9/23	1.0	1.0	33
Schillinger 458.RCS	83.2	81.4	76.7	9/29	1.0	1.0	35
REV® 46R73™	82.2	•	•	9/28	2.0	1.0	41
REV® 44R22™	82.1	78.3	•	9/28	1.3	1.0	38
Delta Grow DG4460RR	81.4	•	•	9/26	2.3	1.0	43
Croplan R2C4220	80.7	•	•	9/29	1.3	1.0	36
USG 74D41R	80.4	•	•	9/30	1.5	1.0	34
Progeny 4611RY	79.8	•	•	9/29	1.8	1.0	40
Croplan R2C4520	78.7	•	•	9/24	1.0	1.0	36
REV® 45R10™	78.1	78.2	74.8	9/29	2.0	1.0	43
Croplan R2C4110	77.8	•	•	9/20	1.0	1.0	36
USG 74F11R	76.6	•	•	9/23	1.3	1.0	31
Schillinger 457.RCP	75.0	75.2	70.5	9/28	2.8	1.0	41
Croplan R2C4660	74.9	•	•	9/29	1.0	1.0	45
Progeny 3911RY	73.3	•	•	9/21	1.0	1.0	30
USG 74A45	72.0	72.5	70.6	9/29	2.3	1.0	49
USG 74C69	69.5	73.0	70.2	9/30	2.8	1.0	47
GRAND MEAN	82.3	•	•	9/27	1.5	1.0	39
LSD (5%)	5.9	•	•	2	0.6	•	•
C.V.	5.1	•	•	6	29.0	•	•

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Armor DK 4744	88.7	83.7	•	9/30	0.9	1.0	36
REV® 47R53™	88.3	•	•	9/30	1.8	1.0	39
Armor 48-R40	86.0	•	•	10/1	1.3	1.0	36
Croplan R2T4799S	86.0	84.0	•	10/1	1.3	1.0	35
REV® 48R33™	85.6	•	•	9/30	1.5	1.0	44
Progeny 4906RR	85.5	82.7	81.8	10/2	2.3	1.0	46
ASGROW AG4832	85.3	•	•	10/1	1.5	1.0	36
USG 74A79R	85.2	•	•	10/1	1.0	1.0	40
USG 74E88	84.6	•	•	10/1	1.6	1.0	48
REV® 49R43™	84.3	•	•	10/4	2.3	1.0	44
ASGROW AG4732	83.9	•	•	10/2	1.4	1.0	48
Morsoy Xtra 48X00	83.8	82.8	•	10/2	1.3	1.0	36
Armor X1209	83.6	•	•	10/2	1.3	1.0	45
Progeny 4807RR	82.8	83.3	78.3	10/3	1.8	1.0	41
REV® 49R11™	82.5	83.8	•	9/30	1.0	1.0	40
Eagle Seed ES4998	82.1	80.7	•	9/30	1.3	1.0	42
Armor X1210	81.9	•	•	10/4	1.9	1.0	41
Delta Grow DG4975RR	81.7	80.6	78.7	10/1	1.1	1.0	39
Morsoy Xtra 47X31	80.6	•	•	9/30	1.0	1.0	40
Progeny 4750RR	80.5	81.5	•	10/5	2.1	1.0	41
Delta Grow DG4880RR	80.2	80.7	•	10/5	2.3	1.0	53
Dyna-Gro V48N7RS	80.1	•	•	9/30	1.0	1.0	36
USG 74B81R	79.7	•	•	10/2	1.3	1.0	42
REV® 47R22™	79.6	76.9	•	10/1	1.5	1.0	45
ASGROW AG4932	79.3	•	•	10/3	1.3	1.0	41
Progeny 4811RY	79.1	•	•	10/1	1.0	1.0	39
Delta Grow DG4875R2Y	79.0	•	•	10/1	1.3	1.0	48
Armor X1208	78.8	•	•	10/1	1.3	1.0	39
REV® 48R10™	78.7	76.7	71.5	10/1	1.3	1.0	36
Progeny 4710RY	78.1	78.7	•	10/1	1.3	1.0	34
REV® 49R10™	77.8	•	•	10/2	3.3	1.0	40
REV® 48R21™	77.8	73.9	•	10/3	1.8	1.0	42
USG 74A91	77.5	•	•	10/1	1.3	1.0	42
REV® 48R22™	77.2	78.1	•	10/1	3.0	1.0	41
Delta Grow DG4970RR	76.9	79.6	80.6	10/7	1.8	1.0	53
Croplan R2C4801	76.8	•	•	10/2	1.0	1.0	47
Schillinger 4990.RC	76.3	78.3	80.1	10/6	1.8	1.0	46
HBK R4830	75.2	•	•	10/5	2.0	1.0	48
Schillinger 478.RCS	75.1	75.2	76.5	10/6	1.6	1.0	38
Delta Grow DG4770RR	75.0	75.9	68.8	9/30	2.3	1.0	40
Eagle Seed ES4818	75.0	77.1	75.2	10/6	1.8	1.0	52
HBK R4829	74.7	81.0	•	10/6	2.8	1.0	44
Schillinger 495.RC	74.1	76.9	78.2	10/5	2.5	1.0	42

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
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.....bu/A.....

Maturity Group IV Late (RM 4.7 to 4.9) Continued

HBK R4924	73.7	71.2	68.8	10/3	2.5	1.0	48
Eagle Seed ES4777	72.7	74.9	•	10/4	2.0	1.0	40
Armor X1211	72.0	74.9	•	10/5	1.8	1.0	42
HBK R4729	69.8	70.0	70.1	10/1	1.9	1.0	41
REV® 49R22™	68.3	73.3	•	10/1	2.5	1.0	46
Progeny 4911RY	65.3	•	•	10/6	1.8	1.0	44
GRAND MEAN	79.3	•	•	10/2	1.7	1.0	42
LSD (5%)	6.6	•	•	2	0.7	•	•
C.V.	5.9	•	•	4	31.5	•	•

Maturity Group V (RM 5.0 to 5.3)

REV® 51R53™	86.4	•	•	10/7	1.3	1.0	40
Croplan R2C5081	77.7	•	•	10/5	1.5	1.0	41
Dyna-Gro 37RY52	76.4	69.7	•	10/6	1.8	1.0	36
Delta Grow DG5300RR/STS	76.1	65.5	68.6	10/6	2.0	1.0	39
Delta Grow DG5280RR	76.0	70.9	69.9	10/8	1.8	1.0	41
HBK RY5220	75.5	•	•	10/5	1.5	1.0	39
Progeny 5330RR	75.0	72.4	•	10/6	1.3	1.0	48
Delta Grow DG5160RR/STS	74.5	•	•	10/7	1.0	1.0	42
ASGROW AG5232	74.1	•	•	10/4	1.5	1.0	36
Progeny 5111RY	73.9	•	•	10/4	1.3	1.0	32
HBK R5226	72.5	70.4	75.5	10/7	1.8	1.0	31
Delta Grow DG5275R2Y	72.4	67.9	•	10/6	2.0	1.0	36
Delta Grow DG5252R2Y	72.1	•	•	10/5	1.3	1.0	30
Progeny 5321RY	70.8	•	•	10/6	1.0	1.0	50
Delta Grow DG5110R2Y	69.7	•	•	10/5	1.3	1.0	60
Progeny 5210RY	69.6	67.1	•	10/6	1.5	1.0	32
GRAND MEAN	74.5	•	•	10/6	1.5	1.0	40
LSD (5%)	6.2	•	•	2	0.9	•	•
C.V.	5.8	•	•	3	45.3	•	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, and 2011.

Soil Series	Sharkey silty clay
Previous Crop	Soybean
Row Width	Four 7.5-inch rows on two 38-inch beds
Planting Date	5/11
Herbicide Applications	Valor + Metribuzin + Gramoxone, 5/11
Irrigation Dates	6/7, 7/14, 7/26, 8/3, 8/10, 8/23, 8/31
Harvest Dates	MG 4E, 10/5; MG 4L, 10/7; MG 5, 10/12

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2011	11.3	11.6	3.6	3.4	1.2	2.2	33.3
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	6.5	6.2	-0.5	-0.6	-1.2	-1.0	9.5

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Progeny 4211RY	81.4	•	•	9/11	2.0	1.7	38
Progeny 4611RY	80.9	•	•	9/15	3.3	1.8	41
Morsoy Xtra 46X71	79.4	•	•	9/16	3.5	1.5	43
Armor X1206	79.3	•	•	9/15	2.8	1.3	42
Delta Grow DG4670RR	79.3	•	•	9/15	3.8	1.8	45
Dyna-Gro 39RY43	79.1	•	•	9/10	2.4	2.0	44
Armor X1204	79.0	•	•	9/12	2.0	1.6	38
Schillinger 458.RCS	77.9	66.5	66.6	9/17	2.0	2.0	45
USG 74F11R	77.8	•	•	9/11	3.3	2.6	39
Croplan R2C4660	76.8	•	•	9/14	2.9	2.5	49
ASGROW AG4632	76.2	•	•	9/17	3.4	1.4	46
Progeny 3911RY	75.8	•	•	8/31	2.0	2.5	35
REV® 46R73™	75.5	•	•	9/13	4.0	3.0	42
USG 74D41R	75.1	•	•	9/16	4.0	2.0	41
Morsoy Xtra 46X29	75.0	•	•	9/12	2.8	1.5	41
Progeny 4510RY	74.7	66.5	•	9/14	2.9	1.0	40
Croplan R2C4520	73.7	•	•	9/11	1.4	2.0	41
USG 74A45	73.2	64.5	64.3	9/11	4.4	2.7	52
Dyna-Gro 31RY45	72.9	•	•	9/16	3.8	1.8	42
Armor 46-R42	72.4	•	•	9/10	1.9	3.0	40
Delta Grow DG4460RR	71.3	•	•	9/13	4.7	2.0	36
S08-14087	69.4	•	•	9/17	3.3	1.5	53
HBK RY4620	68.7	•	•	9/16	2.9	2.3	45
REV® 45R10™	67.9	53.9	55.0	9/11	3.4	2.0	47
Croplan R2C4110	63.2	•	•	9/03	4.3	2.3	44
Croplan R2C4220	60.3	•	•	9/15	4.3	1.7	43
USG 74C69	59.7	55.9	52.8	9/17	4.8	1.5	52
REV® 44R22™	56.0	50.9	•	9/06	3.4	4.5	40
Schillinger 457.RCP	55.2	55.1	53.2	9/10	4.5	3.0	45
GRAND MEAN	72.7	•	•	9/12	3.2	2.1	43
LSD (5%)	7.5	•	•	2	0.7	1.2	•
C.V.	7.4	•	•	4	15.0	40.3	•

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
REV® 48R33™	74.7	•	•	9/14	3.5	1.5	44
USG 74E88	73.1	•	•	9/14	3.5	1.5	49
USG 74B81R	73.0	•	•	9/13	2.5	1.5	54
Armor 48-R40	69.0	•	•	9/13	3.0	1.3	43
REV® 47R22™	68.1	60.8	•	9/17	3.8	2.3	53
REV® 49R11™	67.9	61.4	•	9/11	1.6	1.5	42
REV® 49R43™	67.5	•	•	9/17	3.7	1.7	45
REV® 49R10™	66.2	•	•	9/22	4.3	1.3	47
Armor DK 4744	65.8	61.7	•	9/13	2.0	1.3	43
Croplan R2T4799S	65.6	61.2	•	9/13	2.0	1.3	46
USG 74A79R	65.5	•	•	9/10	3.0	2.0	43
Delta Grow DG4975RR	65.5	64.2	63.6	9/17	3.3	1.0	54
REV® 47R53™	65.4	•	•	9/16	5.0	1.4	42
Morsoy Xtra 47X31	65.1	•	•	9/10	3.3	2.0	52
Progeny 4811RY	65.1	•	•	9/12	3.3	1.5	52
Armor X1209	64.6	•	•	9/11	2.5	1.3	52
ASGROW AG4832	64.6	•	•	9/12	2.0	1.5	48
Progeny 4807RR	64.5	58.2	56.2	9/12	3.0	2.3	43
REV® 48R21™	64.3	63.0	•	9/16	3.0	1.3	44
Croplan R2C4801	63.5	•	•	9/12	3.8	2.3	44
REV® 48R22™	63.5	60.6	•	9/13	4.8	2.0	47
Eagle Seed ES4777	63.3	62.3	•	9/20	3.1	1.0	45
Progeny 4710RY	63.1	60.5	•	9/10	2.1	1.0	45
Armor X1208	62.6	•	•	9/12	3.4	2.0	49
Morsoy Xtra 48X00	62.4	60.9	•	9/13	3.3	2.0	46
Dyna-Gro V48N7RS	62.0	•	•	9/16	1.8	1.0	44
HBK R4924	62.0	58.7	60.5	9/21	4.5	1.4	48
Schillinger 478.RCS	61.8	60.3	60.0	9/21	3.3	1.8	46
Schillinger 495.RC	61.8	60.5	59.1	9/22	5.0	1.8	52
USG 74A91	61.6	•	•	9/14	3.5	1.0	48
Armor X1210	61.1	•	•	9/16	5.0	1.8	46
REV® 48R10™	60.9	58.9	59.2	9/11	3.0	3.0	40
ASGROW AG4932	60.3	•	•	9/15	2.3	1.7	46
Progeny 4906RR	60.3	60.9	62.9	9/16	2.8	1.3	52
Armor X1211	59.8	59.3	•	9/18	3.8	1.8	45
Delta Grow DG4880RR	59.3	58.4	•	9/15	4.8	2.0	46
Delta Grow DG4875R2Y	59.1	•	•	9/09	3.8	1.8	52
REV® 49R22™	58.3	59.5	•	9/11	3.5	3.5	49
Progeny 4750RR	58.2	58.7	•	9/17	4.8	1.8	44
ASGROW AG4732	57.3	•	•	9/10	3.3	2.0	49
Schillinger 4990.RC	57.1	58.2	58.3	9/21	4.0	1.5	47
Progeny 4911RY	55.9	•	•	9/21	3.8	1.0	52
HBK R4729	55.0	55.8	56.5	9/13	3.7	2.0	47

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
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.....bu/A.....

Maturity Group IV Late (RM 4.7 to 4.9) Continued

Delta Grow DG4770RR	54.6	57.9	57.2	9/10	4.3	2.5	44
HBK R4829	54.1	56.5	•	9/19	5.0	1.3	39
Eagle Seed ES4998	53.8	55.0	•	9/06	4.8	2.3	56
Delta Grow DG4970RR	53.4	55.6	55.1	9/22	5.0	2.0	50
Eagle Seed ES4818	52.6	55.4	55.6	9/21	4.0	2.3	46
HBK R4830	50.9	•	•	9/16	3.6	1.0	51
GRAND MEAN	62.1	•	•	9/15	3.5	1.7	47
LSD (5%)	7.5	•	•	3	0.8	0.7	•
C.V.	8.7	•	•	5	16.0	28.5	•

Maturity Group V (RM 5.0 to 5.3)

REV® 51R53™	74.5	•	•	9/23	3.0	1.0	43
Progeny 5111RY	64.3	•	•	9/18	1.0	1.0	33
Progeny 5330RR	63.1	59.8	•	9/23	2.0	1.5	38
Delta Grow DG5160RR/STS	61.8	•	•	9/23	4.0	1.3	46
Progeny 5321RY	61.8	•	•	9/23	3.8	1.0	59
Delta Grow DG5300RR/STS	61.6	56.2	54.3	9/21	1.7	1.6	36
Delta Grow DG5110R2Y	61.4	•	•	9/19	3.0	1.3	54
Delta Grow DG5252R2Y	61.2	•	•	9/19	1.0	1.7	25
Croplan R2C5081	60.3	•	•	9/17	1.5	1.3	33
Dyna-Gro 37RY52	59.4	52.0	•	9/22	2.0	1.0	29
HBK R5226	59.4	54.2	55.3	9/25	1.3	1.0	28
Delta Grow DG5280RR	58.8	53.2	50.0	9/26	2.0	1.5	27
Progeny 5210RY	58.8	53.9	•	9/21	1.3	1.0	27
HBK RY5220	56.6	•	•	9/19	1.3	1.0	33
Delta Grow DG5275R2Y	52.9	48.9	•	9/21	2.0	1.0	25
ASGROW AG5232	52.6	•	•	9/19	2.0	1.3	23
GRAND MEAN	60.5	•	•	9/21	2.0	1.2	35
LSD (5%)	7.0	•	•	2	0.7	0.5	•
C.V.	8.1	•	•	2	24.5	30.8	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, and 2011.

Soil Series	Calloway silt loam
Previous Crop	Cotton
Row Width	Four 7.5-inch rows on two 38-inch beds
Fertilizer Applied	0-100-100, 4/1
Planting Date	5/9
Herbicide Applications	Valor, 5/10; Roundup, 6/16
Insecticide Applications	Karate, 5/27,6/3; Belt + Brigade, 8/7
Irrigation Dates	6/11, 6/24, 7/1, 7/14, 7/21, 7/28, 8/4, 8/12, 9/2
Harvest Dates	MG 4E, 10/6; MG 4L, 10/10; MG 5, 10/10

2011 Average Departure	Precipitation (inches)						Total
	April	May	June	July	August	Sept.	
	13.6	5.9	2.5	4.4	3.4	2.2	32.0
	5.0	5.1	3.9	3.8	2.6	2.5	23.0
	8.6	0.8	-1.4	0.6	0.8	-0.3	9.0

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
USG 74D41R	85.6	•	•	9/13	1.7	1.0	34
Progeny 4211RY	84.4	•	•	9/08	1.3	1.0	37
USG 74F11R	83.0	•	•	9/06	1.3	1.0	34
Armor X1206	82.7	•	•	9/11	1.0	1.0	36
Dyna-Gro 31RY45	81.7	•	•	9/10	1.2	1.0	33
ASGROW AG4632	81.5	•	•	9/15	1.5	1.0	38
Dyna-Gro 39RY43	81.3	•	•	9/09	1.0	1.0	34
Armor X1204	81.3	•	•	9/07	1.0	1.0	37
Progeny 4510RY	80.5	73.6	•	9/12	1.5	1.0	44
Croplan R2C4220	79.9	•	•	9/11	2.0	2.5	42
Delta Grow DG4670RR	79.5	•	•	9/12	2.0	1.0	39
Morsoy Xtra 46X29	79.1	•	•	9/12	1.8	1.0	38
Morsoy Xtra 46X71	79.1	•	•	9/11	1.5	1.0	39
Armor 46-R42	79.0	•	•	9/08	1.0	1.0	38
Croplan R2C4520	76.5	•	•	9/09	1.6	1.0	38
Schillinger 458.RCS	76.5	73.8	74.1	9/11	1.0	1.0	35
Progeny 3911RY	76.2	•	•	8/30	1.3	1.0	34
HBK RY4620	75.1	•	•	9/14	1.8	3.0	39
Progeny 4611RY	74.7	•	•	9/12	2.2	1.0	34
Schillinger 457.RCP	74.1	72.0	72.1	9/09	2.6	1.0	39
Delta Grow DG4460RR	73.9	•	•	9/09	1.3	1.0	39
Croplan R2C4660	73.4	•	•	9/11	2.3	1.0	46
REV® 45R10™	73.1	72.0	73.0	9/10	2.3	1.0	47
REV® 44R22™	72.5	71.4	•	9/09	1.6	1.0	32
USG 74A45	72.0	73.0	72.6	9/10	2.8	1.0	42
S08-14087	71.9	•	•	9/15	3.3	1.0	49
REV® 46R73™	71.0	•	•	9/08	2.3	1.0	35
USG 74C69	68.9	69.9	68.5	9/15	3.8	1.0	48
Croplan R2C4110	67.3	•	•	9/06	2.0	1.5	35
GRAND MEAN	77.1	•	•	9/10	1.8	1.1	38
LSD (5%)	6.1	•	•	2	0.8	0.4	•
C.V.	5.6	•	•	4	32.0	25.2	•

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Armor X1210	85.0	•	•	9/13	1.9	1.0	35
Armor 48-R40	84.0	•	•	9/12	1.0	1.0	37
Delta Grow DG4880RR	83.7	73.2	•	9/13	1.0	1.0	35
HBK R4829	83.5	73.3	•	9/16	2.3	1.0	36
REV® 49R11™	83.5	73.9	•	9/11	1.3	1.0	38
REV® 48R33™	83.0	•	•	9/10	2.5	1.0	42
REV® 47R22™	82.6	65.7	•	9/13	2.0	1.0	42
Croplan R2T4799S	82.5	71.3	•	9/12	1.3	1.0	26
Progeny 4750RR	81.5	70.9	•	9/15	2.0	1.0	34
REV® 47R53™	81.1	•	•	9/10	1.6	1.0	37
Armor X1209	80.5	•	•	9/12	1.8	1.0	45
USG 74E88	80.5	•	•	9/11	1.0	1.0	41
Croplan R2C4801	80.4	•	•	9/12	1.8	1.0	40
Progeny 4807RR	80.3	70.0	70.7	9/13	1.5	1.0	38
Dyna-Gro V48N7RS	80.0	•	•	9/14	1.0	1.0	36
REV® 48R10™	79.5	68.6	68.9	9/13	2.0	1.0	34
Delta Grow DG4770RR	79.0	68.3	64.0	9/10	1.3	1.0	30
Armor X1211	78.7	70.7	•	9/19	1.9	1.0	35
Armor DK 4744	78.7	69.6	•	9/12	1.0	1.0	36
USG 74B81R	78.5	•	•	9/11	1.4	1.0	31
Eagle Seed ES4998	78.2	68.9	•	9/11	1.0	1.0	36
Progeny 4811RY	78.0	•	•	9/12	2.3	1.0	40
Schillinger 495.RC	77.7	70.4	70.8	9/18	1.8	1.0	36
Delta Grow DG4875R2Y	77.2	•	•	9/12	1.8	1.0	40
REV® 49R43™	77.1	•	•	9/14	2.5	1.0	38
ASGROW AG4732	77.0	•	•	9/12	1.6	1.0	36
Morsoy Xtra 48X00	76.8	70.6	•	9/12	1.3	1.0	33
ASGROW AG4832	76.7	•	•	9/12	1.8	1.0	42
Schillinger 478.RCS	75.8	71.0	67.7	9/19	1.8	1.0	35
Eagle Seed ES4777	75.5	67.0	•	9/20	1.5	1.0	41
REV® 48R22™	75.2	69.7	•	9/09	1.6	1.0	33
Progeny 4906RR	74.8	70.0	67.4	9/16	3.3	1.0	41
Armor X1208	74.7	•	•	9/11	2.0	1.0	48
Progeny 4710RY	74.5	72.1	•	9/11	1.1	1.0	27
REV® 49R22™	74.5	69.1	•	9/12	1.6	1.0	35
Morsoy Xtra 47X31	74.4	•	•	9/12	1.9	1.0	38
HBK R4729	72.9	65.1	64.5	9/11	1.8	1.0	34
Delta Grow DG4975RR	72.9	66.8	66.8	9/16	3.0	1.0	40
USG 74A79R	72.8	•	•	9/12	1.0	1.0	32
Eagle Seed ES4818	72.5	71.3	69.1	9/18	2.9	1.0	45
Delta Grow DG4970RR	72.1	66.9	68.2	9/19	2.8	1.0	33
REV® 49R10™	71.9	•	•	9/15	3.3	1.0	44
ASGROW AG4932	71.3	•	•	9/17	1.1	1.0	36

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
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.....bu/A.....

Maturity Group IV Late (RM 4.7 to 4.9) Continued

HBK R4830	70.7	•	•	9/17	3.3	1.0	44
REV® 48R21™	70.6	66.7	•	9/17	1.3	1.0	34
Schillinger 4990.RC	70.1	57.3	58.7	9/20	1.0	1.0	32
USG 74A91	69.9	•	•	9/16	3.0	1.0	44
Progeny 4911RY	66.8	•	•	9/20	3.8	1.0	50
HBK R4924	64.8	62.6	63.1	9/17	3.3	1.0	44
GRAND MEAN	76.8	•	•	9/14	1.9	1.0	38
LSD (5%)	7.6	•	•	2	0.7	•	•
C.V.	7.1	•	•	4	28.0	•	•

Maturity Group V (RM 5.0 to 5.3)

Croplan R2C5081	78.1	•	•	9/14	1.0	1.0	31
Progeny 5111RY	75.1	•	•	9/16	1.0	1.0	29
REV® 51R53™	75.1	•	•	9/22	2.4	1.0	35
Delta Grow DG5252R2Y	69.4	•	•	9/19	1.0	1.0	23
HBK RY5220	67.3	•	•	9/19	1.0	1.0	31
Delta Grow DG5160RR/STS	66.6	•	•	9/21	3.3	1.0	40
ASGROW AG5232	64.5	•	•	9/16	1.0	1.0	29
Delta Grow DG5300RR/STS	62.5	56.0	59.1	9/19	1.0	1.0	30
HBK R5226	62.5	54.3	57.1	9/23	2.0	1.0	30
Progeny 5330RR	62.5	58.9	•	9/20	2.3	1.0	30
Delta Grow DG5280RR	62.4	53.7	59.2	9/26	1.4	1.0	29
Progeny 5210RY	61.0	54.5	•	9/19	1.3	1.0	29
Dyna-Gro 37RY52	59.4	56.8	•	9/19	1.0	1.0	27
Delta Grow DG5275R2Y	57.9	55.9	•	9/18	1.8	1.0	30
Delta Grow DG5110R2Y	54.0	•	•	9/20	4.0	1.0	46
Progeny 5321RY	52.6	•	•	9/25	4.0	1.0	54
GRAND MEAN	64.4	•	•	9/20	1.8	1.0	33
LSD (5%)	6.0	•	•	2	0.7	•	•
C.V.	6.5	•	•	6	28.4	•	•

¹Average Yield for 2010 and 2011.

²Average Yield for 2009, 2010, and 2011.

Soil Series Sharkey Desha silt loam
 Previous Crop Corn
 Row Width 19 in
 Fertilizer Applied 0-50-100, 10/18/2010; 110-82-90, 3/25/2011
 Planting Date 5/7
 Herbicide Applications Valor, 5/9; Roundup, 5/31,6/28
 Insecticide Applications Bifenthrin, 7/19; Belt + Orthene, 8/5
 Irrigation Dates 6/13, 6/29, 7/15, 7/28, 8/5, 8/29
 Harvest Dates MG 4E, 9/29; MG 4L, 9/29; MG 5, 10/10

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2011	7.2	2.4	1.7	3.7	5.6	4.1	24.7
Average	4.6	5.1	3.5	3.3	2.5	2.9	21.9
Departure	2.6	-2.7	-1.8	0.4	3.1	1.2	2.8

Table 5. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2011¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart Irrigated	Rohwer Irrigated	Kibler ³ Irrigated	Silt ⁴		All-Location Average
		Keiser Irrigated	Keiser ² Non-Irrigated	Double-Crop Irrigated	Marianna Irrigated				Loam Average	Clay ⁵ Average	
Maturity Group IV (RM 4.0 to 4.9)											
Delta Grow 4861LL	LL	65.6	•	63.7	46.9	59.2	41.8	•	53.0	57.0	55.4
Go Soy 4411LL	LL	73.4	•	60.7	51.5	61.8	54.4	•	56.6	62.8	60.3
Go Soy 4810LL	LL	74.3	•	62.5	44.0	63.5	51.0	•	53.8	62.6	59.1
HALO 4:65	LL	80.9	•	61.4	52.3	66.5	53.4	•	59.4	65.2	62.9
HALO 4:75	LL	67.9	•	59.9	46.5	60.7	44.6	•	53.6	57.5	55.9
HALO 4:94	LL	76.3	•	63.4	45.1	64.8	52.0	•	54.9	63.9	60.3
Hanover	Conv.	74.1	•	51.8	54.3	65.9	52.9	•	60.1	59.6	59.8
HBK C4926	Conv.	80.2	•	61.2	40.3	56.9	51.7	•	48.6	64.3	58.1
HBK C4929	Conv.	64.4	•	59.1	38.2	56.4	46.3	•	47.3	56.6	52.9
Miami	LL	72.6	•	65.7	43.2	62.2	50.3	•	52.7	62.8	58.8
Morsoy 4860	Conv.	79.1	•	58.9	49.5	58.2	51.4	•	53.8	63.1	59.4
Progeny 4910	Conv.	67.1	•	60.6	48.2	52.7	49.2	•	50.4	59.0	55.6
Progeny 4928 LL	LL	74.5	•	65.9	42.6	61.7	48.9	•	52.1	63.1	58.7
R05-3239	Conv.	74.4	•	56.2	43.8	62.2	49.8	•	53.0	60.1	57.3
R05-4114	Conv.	78.0	•	59.1	47.3	53.6	49.8	•	50.5	62.3	57.6
S08-17361	Conv.	80.8	•	68.7	54.5	58.0	55.2	•	56.3	68.2	63.4
Schillinger 495.RC ⁶	RR1	72.2	•	62.1	51.5	59.0	51.8	•	55.2	62.0	59.3
UA 4910	Conv.	72.7	•	63.3	42.6	58.6	48.2	•	50.6	61.4	57.1
USG 74G99L	LL	74.3	•	66.7	48.0	63.1	50.0	•	55.6	63.7	60.4
V03-4660	Conv.	73.0	•	52.4	51.9	65.1	49.7	•	58.5	58.3	58.4
GRAND MEAN		73.8	•	61.2	47.1	60.5	50.1	•	53.8	61.7	58.5
LSD (5%)		7.8	•	6.5	6.4	5.7	5.3	•	6.1	6.5	6.4
C.V.		6.4	•	6.4	8.2	5.7	6.4	•	7.0	6.4	6.6

Table 5. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser					Stuttgart Irrigated	Rohwer Irrigated	Kibler ³ Irrigated	Silt ⁴ Loam Average	Clay ⁵ Average	All-Location Average
		Keiser Irrigated	Keiser ² Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	bu/A						
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>												
DB00-087-08	Conv.	72.1	54.4	51.3	51.6	58.4	55.0	46.6	52.2	58.2	55.6	
DB03-8416	Conv.	75.4	52.9	49.9	46.5	58.4	52.0	47.5	50.8	57.6	54.6	
DB04-10836	Conv.	65.3	57.8	54.3	49.7	61.3	53.2	49.1	53.4	57.7	55.8	
DB06-3442	Conv.	71.1	57.7	58.0	54.9	58.6	50.9	44.9	52.8	59.4	56.6	
Delta Gro 5461LL	LL	78.7	54.7	60.1	44.0	66.6	50.7	42.7	51.1	61.1	56.8	
Dyna-Gro 34LL53	LL	77.3	60.7	61.5	46.8	71.3	55.1	51.8	56.7	63.7	60.7	
Dyna-Gro 37LL50	LL	68.6	53.4	55.5	40.9	57.0	46.4	42.2	46.7	56.0	52.0	
GLENN	Conv.	79.8	54.2	62.6	57.0	66.9	56.2	48.9	57.6	63.2	60.8	
Go Soy 5111LL	LL	77.5	57.0	56.8	43.7	64.7	44.5	46.4	51.6	58.9	55.8	
HALO 5:25	LL	75.1	59.3	58.4	51.4	73.1	58.4	48.1	57.5	62.8	60.5	
HBK C5025	Conv.	69.9	51.7	57.5	46.1	55.9	46.6	45.0	49.0	56.4	53.2	
HBK C5528	Conv.	71.4	52.6	52.5	47.8	55.9	50.9	45.0	49.5	56.8	53.7	
Hutcheson	Conv.	80.2	64.9	55.7	53.0	49.7	50.1	46.8	49.8	62.7	57.2	
JTN-5203	Conv.	71.0	55.7	55.1	48.4	67.1	46.4	51.9	55.8	57.0	56.5	
Morsoy 5209	Conv.	69.5	52.1	54.9	49.7	65.6	52.2	44.3	53.2	57.2	55.5	
Morsoy 5429 ⁶	RR1	76.3	58.3	56.0	47.5	67.7	48.4	51.8	55.7	59.7	58.0	
Ozark	Conv.	72.2	55.6	62.8	51.6	62.3	45.9	47.0	53.6	59.1	56.8	
Progeny 5160LL	LL	79.1	61.1	57.5	48.8	71.5	54.7	51.8	57.4	63.1	60.7	
Progeny 5191	Conv.	79.0	55.5	56.6	60.9	67.8	52.4	54.6	61.1	60.9	61.0	
Progeny 5261LL	LL	71.3	56.1	56.4	46.2	56.1	50.5	41.8	48.0	58.6	54.0	
Progeny 5460LL	LL	72.6	57.1	60.1	46.0	66.1	47.9	43.5	51.9	59.4	56.2	
Stine 50LC82	LL	81.5	56.7	60.8	48.7	66.2	47.3	49.1	54.7	61.6	58.6	
V03-3650	Conv.	76.4	51.8	58.6	46.0	62.8	46.2	45.4	51.4	58.3	55.3	
V04-1022	Conv.	73.0	57.1	52.8	47.4	61.7	44.4	47.7	52.2	56.8	54.9	
Whitney 1154LL	LL	73.0	56.1	67.7	45.7	69.4	53.8	42.9	52.6	62.7	58.4	
GRAND MEAN		74.3	56.2	57.3	48.8	63.3	50.4	47.1	53.0	59.6	56.8	
LSD (5%)		5.8	7.1	7.9	6.8	4.6	7.7	5.4	5.6	7.2	6.5	
C.V.		4.8	7.7	8.4	8.5	4.4	9.3	7.0	6.6	7.6	7.2	

Table 5. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser										All-Location Average
		Keiser Irrigated	Keiser ² Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ³ Irrigated	Silt ⁴ Loam Average	Clay ⁵ Average		
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>												
AGS 5911LL	LL	66.6	60.8	57.9	45.2	65.0	49.8	44.5	51.5	58.8	55.7	
AGS 597RR6	RR1	71.4	60.3	58.6	50.5	60.4	53.2	51.4	54.1	60.9	58.0	
AGS 6011LL	LL	74.0	60.4	56.9	46.2	63.1	45.1	49.5	52.9	59.1	56.5	
Go Soy 5911LL	LL	51.8	54.7	58.1	49.0	64.1	46.5	47.0	53.4	52.8	53.0	
HALO 5:65	LL	61.5	52.8	54.8	52.3	61.6	49.7	46.7	53.5	54.7	54.2	
Osage	Conv.	74.7	62.3	56.7	51.9	66.7	57.4	54.2	57.6	62.8	60.5	
Progeny 5770	Conv.	86.2	57.3	62.6	59.3	63.4	51.4	60.8	61.1	64.4	63.0	
Progeny 5960LL	LL	67.6	56.5	63.6	54.2	62.9	53.5	45.1	54.1	60.3	57.6	
R04-357	Conv.	77.7	58.8	59.1	54.5	68.1	47.5	53.6	58.7	60.8	59.9	
R04-572	Conv.	73.7	65.8	61.5	49.1	63.5	47.1	52.3	55.0	62.0	59.0	
R05-235	Conv.	82.3	59.7	61.6	53.9	63.0	53.4	49.8	55.5	64.3	60.5	
R06-4433	Conv.	81.1	61.9	52.5	47.7	67.7	54.4	54.5	56.6	62.5	60.0	
USG 75G90L	LL	70.3	56.5	52.0	43.4	63.7	49.3	46.0	51.1	57.0	54.5	
GRAND MEAN		72.2	59.1	58.1	50.6	64.1	50.6	50.4	55.0	60.0	57.9	
LSD (5%)		8.7	9.7	9.4	4.6	5.4	6.2	6.8	5.6	8.5	7.3	
C.V.		7.1	9.6	9.4	5.2	5.0	7.3	6.2	5.5	8.4	7.1	

¹Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Nonirrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Marianna Irrigated = Lon Mann Cotton Research Station. Soil series = Calloway silt loam.

Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.

Rohwer Irrigated = Southeast Research and Extension Center- Rohwer Division. Soil series = Sharkey clay.

Kibler Irrigated = Vegetable Substation. Soil series = Roxanna silt loam.

²The MG 4 Non-Irrigated yield trial at the Keiser location was not reported due to poor stands and lack of uniformity.

³Only Maturity Group V varieties and strains tested at this location.

⁴Average yields from Marianna Irrigated, Stuttgart Irrigated and Kibler Irrigated.

⁵Average yields from Keiser Irrigated, Keiser Nonirrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

⁶Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2009 and 2010 Roundup Ready™ Full-Season Variety Tests.

Table 6. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group IV (RM 4.0 to 4.9)</u>							
HALO 4:65	80.9	82.3	80.5	10/7	1.0	1.0	47
S08-17361	80.8	•	•	10/7	1.0	1.0	42
HBK C4926	80.2	76.4	75.6	10/7	2.7	1.0	51
Morsoy 4860	79.1	•	•	10/8	2.3	1.0	51
R05-4114	78.0	•	•	10/6	1.0	1.0	30
HALO 4:94	76.3	75.5	76.1	10/7	1.0	1.0	40
Progeny 4928 LL	74.5	77.0	•	10/6	1.3	1.0	46
R05-3239	74.4	71.7	•	10/7	1.0	1.0	30
Go Soy 4810LL	74.3	•	•	10/5	1.3	1.0	51
USG 74G99L	74.3	75.4	•	10/6	1.0	1.0	43
Hanover	74.1	•	•	10/6	1.0	1.0	31
Go Soy 4411LL	73.4	•	•	10/6	1.0	1.0	43
V03-4660	73.0	68.9	70.6	10/7	1.0	1.0	32
UA 4910	72.7	71.4	72.1	10/7	1.0	1.0	38
Miami	72.6	•	•	10/6	1.0	1.0	43
Schillinger 495.RC ⁶	72.2	•	•	10/6	1.3	1.0	51
HALO 4:75	67.9	•	•	10/6	1.0	2.0	54
Progeny 4910	67.1	71.8	73.7	10/7	1.7	1.0	47
Delta Grow 4861LL	65.6	•	•	10/6	1.0	1.0	63
HBK C4929	64.4	71.6	74.4	10/6	1.0	1.0	52
GRAND MEAN	73.8	•	•	10/7	1.2	1.1	44
LSD (5%)	7.8	•	•	2	0.5	0.4	•
C.V.	6.4	•	•	19	25.2	21.6	•
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Stine 50LC82	81.5	•	•	10/09	1.0	1.0	49
Hutcheson	80.2	74.9	73.1	10/10	1.7	1.0	31
GLENN	79.8	76.5	75.2	10/07	1.0	1.0	29
Progeny 5160LL	79.1	80.3	•	10/07	1.0	1.0	26
Progeny 5191	79.0	•	•	10/11	1.0	1.0	33
Delta Grow 5461LL	78.7	•	•	10/09	1.0	1.0	33
Go Soy 5111LL	77.5	•	•	10/09	1.0	1.0	30
Dyna-Gro 34LL53	77.3	•	•	10/08	1.0	1.0	20
V03-3650	76.4	•	•	10/09	1.0	1.0	30
Morsoy 5429 ⁶	76.3	•	•	10/08	1.0	1.0	34
DB03-8416	75.4	73.6	•	10/09	1.7	1.0	33
HALO 5:25	75.1	74.0	76.3	10/09	1.0	1.0	26
Whitney 1154LL	73.0	•	•	10/11	1.0	1.0	36
V04-1022	73.0	•	•	10/12	1.0	1.0	30
Progeny 5460LL	72.6	75.2	•	10/08	1.0	1.0	44
Ozark	72.2	71.5	72.7	10/10	1.0	1.0	30

Table 6. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
DB00-087-08	72.1	•	•	10/09	1.7	1.0	34
HBK C5528	71.4	71.2	70.9	10/10	1.0	1.0	40
Progeny 5261LL	71.3	•	•	10/10	1.0	1.0	35
DB06-3442	71.1	72.1	•	10/09	1.0	1.0	30
JTN-5203	71.0	•	•	10/12	1.0	1.0	31
HBK C5025	69.9	72.7	73.0	10/09	1.7	1.0	51
Morsoy 5209	69.5	69.9	71.8	10/08	1.0	1.0	36
Dyna-Gro 37LL50	68.6	•	•	10/11	1.0	1.0	33
DB04-10836	65.3	69.8	69.3	10/09	2.0	1.0	33
GRAND MEAN	74.3	•	•	10/09	1.1	1.0	33
LSD (5%)	5.8	•	•	3	0.8	•	•
C.V.	4.8	•	•	18	44.2	•	•

Maturity Group V Late (RM 5.6 to 5.9)

Progeny 5770	86.2	81.9	82.1	10/17	1.7	1.0	34
R05-235	82.3	78.1	•	10/15	1.0	1.0	36
R06-4433	81.1	75.3	•	10/15	1.0	1.0	34
R04-357	77.7	77.7	77.6	10/15	1.7	1.0	32
Osage	74.7	73.3	73.4	10/16	1.0	1.0	27
AGS 6011LL	74.0	•	•	10/15	1.0	1.0	30
R04-572	73.7	71.2	•	10/16	1.0	1.0	33
AGS 597RR ⁶	71.4	•	•	10/16	1.0	1.0	35
USG 75G90L	70.3	•	•	10/17	1.0	1.0	36
Progeny 5960LL	67.6	69.6	•	10/15	1.0	1.0	31
AGS 5911LL	66.6	•	•	10/16	1.0	1.0	30
HALO 5:65	61.5	66.1	69.0	10/16	1.0	1.0	28
Go Soy 5911LL	51.8	•	•	10/16	1.0	1.0	27
GRAND MEAN	72.2	•	•	10/16	1.1	1.0	32
LSD (5%)	8.7	•	•	3	0.6	•	•
C.V.	7.1	•	•	11	31.9	•	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, 2011.

Soil Series Sharky silty clay
 Previous Crop Corn
 Row Width 38 inches
 Planting Date 5/31
 Herbicide Applications Valor + Metribuzin + Gramoxone, 6/1; Flexstar + Select Max, 7/1
 Irrigation Date 6/9, 7/14, 7/26, 8/2, 8/9, 8/22, 9/2, 9/12
 Harvest Dates MG 4, 10/22; MG 5E, 10/22; MG 5L, 10/22

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2011	11.3	11.6	3.6	3.4	1.2	2.2	33.3
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	6.5	6.2	-0.5	-0.6	-1.2	-1.0	9.5

Table 7. Performance of Non-Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011¹.

Variety/Experimental Line	2011	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Hutcheson	64.9	55.4	59.2	10/12	1.0	1.0	36
Progeny 5160LL	61.1	51.9	•	10/11	1.0	1.0	21
Dyna-Gro 34LL53	60.7	•	•	10/12	1.0	1.0	23
HALO 5:25	59.3	52.7	59.4	10/11	1.0	1.0	26
Morsoy 54296	58.3	•	•	10/11	1.0	1.0	39
DB04-10836	57.8	52.7	58.0	10/12	1.0	1.0	37
DB06-3442	57.7	52.7	•	10/11	1.0	1.0	32
Progeny 5460LL	57.1	48.8	•	10/10	1.0	1.0	39
V04-1022	57.1	•	•	10/11	1.0	1.0	32
Go Soy 5111LL	57.0	•	•	10/12	1.0	1.0	36
Stine 50LC82	56.7	•	•	10/11	1.0	1.0	40
Whitney 1154LL	56.1	•	•	10/12	1.0	1.0	41
Progeny 5261LL	56.1	•	•	10/11	1.0	1.0	32
JTN-5203	55.7	•	•	10/11	1.0	1.0	29
Ozark	55.6	51.5	57.9	10/12	1.0	1.0	32
Progeny 5191	55.5	•	•	10/12	1.0	1.0	35
Delta Grow 5461LL	54.7	•	•	10/12	1.0	1.0	36
DB00-087-08	54.4	•	•	10/11	1.0	1.0	40
GLENN	54.2	42.9	55.0	10/10	1.0	1.0	25
Dyna-Gro 37LL50	53.4	•	•	10/11	1.0	1.0	36
DB03-8416	52.9	53.1	•	10/11	1.0	1.0	32
HBK C5528	52.6	53.0	56.8	10/12	1.0	1.0	39
Morsoy 5209	52.1	44.1	53.0	10/12	1.0	1.0	32
V03-3650	51.8	•	•	10/11	1.0	1.0	34
HBK C5025	51.7	44.8	53.3	10/12	1.0	1.0	45
GRAND MEAN	56.2	•	•	10/11	1.0	1.0	34
LSD (5%)	7.1	•	•	2	•	•	•
C.V.	7.7	•	•	3	•	•	•

Table 7. Performance of Non-Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011¹, Continued.

Variety/Experimental Line	2011	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
R04-572	65.8	57.3	•	10/12	1.0	1.0	28
Osage	62.3	55.5	59.9	10/11	1.0	1.0	27
R06-4433	61.9	57.0	•	10/12	1.0	1.0	36
AGS 5911LL	60.8	•	•	10/11	1.0	1.0	27
AGS 6011LL	60.4	•	•	10/11	1.0	1.0	27
AGS 597RR6	60.3	•	•	10/11	1.0	1.0	41
R05-235	59.7	50.7	•	10/12	1.0	1.0	36
R04-357	58.8	49.9	57.4	10/11	1.0	1.0	33
Progeny 5770	57.3	46.4	56.8	10/12	1.0	1.0	35
USG 75G90L	56.5	•	•	10/11	1.0	1.0	29
Progeny 5960LL	56.5	44.3	•	10/12	1.0	1.0	26
Go Soy 5911LL	54.7	•	•	10/12	1.0	1.0	28
HALO 5:65	52.8	46.7	54.0	10/11	1.0	1.0	28
GRAND MEAN	59.1	•	•	10/12	1.0	1.0	31
LSD (5%)	9.7	•	•	1	•	•	•
C.V.	9.6	•	•	7	•	•	•

¹The results of the MG 4 test were not reported due to poor stands and a lack of uniformity.

²Average Yield for 2010 and 2011.

³Average Yield for 2009, 2010, 2011.

Soil Series	Sharky silty clay
Previous Crop	Corn
Row Width	38 inches
Planting Date	6/1
Herbicide Applications	Valor + Metribuzin + Gramoxone, 6/1; Flexstar + Select Max, 7/1
Harvest Dates	MG 4, 10/16; MG 5E, 10/20; MG 5L, 10/20

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2011	11.3	11.6	3.6	3.4	1.2	2.2	33.3
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	6.5	6.2	-0.5	-0.6	-1.2	-1.0	9.5

Table 8. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group IV (RM 4.0 to 4.9)</u>							
S08-17361	68.7	•	•	10/21	1.3	1.0	37
USG 74G99L	66.7	68.2	•	10/21	1.0	1.3	36
Progeny 4928 LL	65.9	71.8	•	10/22	1.3	1.0	38
Miami	65.7	•	•	10/21	1.0	1.0	44
Delta Grow 4861LL	63.7	•	•	10/20	1.0	1.0	49
HALO 4:94	63.4	66.4	68.4	10/22	1.0	1.0	44
UA 4910	63.3	66.4	63.2	10/21	1.0	1.0	36
Go Soy 4810LL	62.5	•	•	10/20	1.3	1.0	38
Schillinger 495.RC ⁶	62.1	•	•	10/21	1.3	1.0	44
HALO 4:65	61.4	72.6	69.2	10/20	1.3	1.0	38
HBK C4926	61.2	62.7	65.7	10/21	2.0	1.0	41
Go Soy 4411LL	60.7	•	•	10/22	1.3	1.0	39
Progeny 4910	60.6	63.1	64.9	10/19	1.0	1.7	42
HALO 4:75	59.9	•	•	10/20	1.0	1.0	51
R05-4114	59.1	•	•	10/21	1.0	1.0	42
HBK C4929	59.1	67.6	71.0	10/21	1.0	1.3	46
Morsoy 4860	58.9	•	•	10/22	2.0	1.0	40
R05-3239	56.2	63.6	•	10/22	1.0	1.0	38
V03-4660	52.4	56.8	60.1	10/20	3.0	1.3	38
Hanover	51.8	•	•	10/21	1.3	1.0	36
GRAND MEAN	61.2	•	•	10/21	1.3	1.1	41
LSD (5%)	6.5	•	•	2	0.9	0.4	•
C.V.	6.4	•	•	5	40.9	24.3	•
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Whitney 1154LL	67.7	•	•	10/21	1.7	1.0	41
Ozark	62.8	65.7	65.1	10/22	2.0	1.0	44
GLENN	62.6	66.6	69.1	10/21	2.0	1.3	48
Dyna-Gro 34LL53	61.5	•	•	10/21	2.0	1.0	36
Stine 50LC82	60.8	•	•	10/22	1.0	1.0	44
Delta Grow 5461LL	60.1	•	•	10/22	1.0	1.0	47
Progeny 5460LL	60.1	66.3	•	10/20	1.7	1.0	31
V03-3650	58.6	•	•	10/23	1.7	1.0	41
HALO 5:25	58.4	59.2	60.9	10/20	1.3	1.7	35
DB06-3442	58.0	62.3	•	10/22	2.0	1.0	36
Progeny 5160LL	57.5	60.3	•	10/22	2.0	1.0	44
HBK C5025	57.5	61.9	62.1	10/20	1.7	1.0	31
Go Soy 5111LL	56.8	•	•	10/20	1.5	1.5	46
Progeny 5191	56.6	•	•	10/22	1.0	1.0	45
Progeny 5261LL	56.4	•	•	10/21	1.7	1.0	42
Morsoy 5429 ⁶	56.0	•	•	10/22	1.0	1.0	42

Table 8. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Hutcheson	55.7	58.7	59.2	10/20	1.0	1.0	48
Dyna-Gro 37LL50	55.5	•	•	10/21	3.0	1.3	42
JTN-5203	55.1	•	•	10/22	1.3	1.0	46
Morsoy 5209	54.9	61.3	63.4	10/20	1.5	1.0	38
DB04-10836	54.3	60.7	60.9	10/21	1.3	1.0	43
V04-1022	52.8	•	•	10/22	1.3	1.0	49
HBK C5528	52.5	57.8	59.8	10/22	1.0	1.0	50
DB00-087-08	51.3	•	•	10/20	1.7	1.0	44
DB03-8416	49.9	57.9	•	10/22	1.0	1.0	48
GRAND MEAN	57.3	•	•	10/21	1.5	1.1	42
LSD (5%)	7.9	•	•	2	1.3	0.5	•
C.V.	8.4	•	•	6	50.2	29.8	•
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Progeny 5960LL	63.6	61.3	•	10/21	2.1	1.5	48
Progeny 5770	62.6	65.6	66.3	10/22	1.7	1.0	50
R05-235	61.6	63.7	•	10/21	1.7	1.0	49
R04-572	61.5	64.1	•	10/22	1.3	1.0	41
R04-357	59.1	65.4	65.4	10/21	1.3	1.0	38
AGS 597RR ⁶	58.6	•	•	10/21	1.0	1.0	41
Go Soy 5911LL	58.1	•	•	10/21	2.1	1.0	42
AGS 5911LL	57.9	•	•	10/21	1.5	1.1	40
AGS 6011LL	56.9	•	•	10/21	1.0	1.0	46
Osage	56.7	63.3	61.9	10/20	1.7	1.0	42
HALO 5:65	54.8	60.3	61.8	10/21	1.1	1.0	42
R06-4433	52.5	57.6	•	10/21	2.1	1.0	48
USG 75G90L	52.0	•	•	10/22	1.3	1.3	38
GRAND MEAN	58.1	•	•	10/21	1.5	1.1	43
LSD (5%)	9.4	•	•	2	1.2	0.4	•
C.V.	9.4	•	•	5	43.8	21.4	•

¹Average Yield for 2010 and 2011.

²Average Yield for 2009, 2010, 2011.

Soil Series Sharkey silty clay
 Previous Crop Corn
 Row Width Four 7.5-inch rows on two 38-inch beds
 Planting Date 6/23
 Herbicide Applications Valor + Metribuzin + Gramoxone, 6/24
 Irrigation Dates 7/26, 7/29, 8/1, 8/8, 8/10, 8/25, 8/30, 9/12
 Harvest Dates MG 4, 11/8; MG 5E, 11/8; MG 5L, 11/8

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2011	11.3	11.6	3.6	3.4	1.2	2.2	33.3
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	6.5	6.2	-0.5	-0.6	-1.2	-1.0	9.5

Table 9. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group IV (RM 4.0 to 4.9)</u>							
S08-17361	54.5	•	•	9/28	3.0	1.0	44
Hanover	54.3	•	•	9/25	2.3	2.0	38
HALO 4:65	52.3	47.9	51.5	9/21	3.3	2.0	46
V03-4660	51.9	47.9	54.4	9/23	2.7	2.0	34
Go Soy 4411LL	51.5	•	•	9/18	3.3	2.0	44
Schillinger 495.RC ⁶	51.5	•	•	9/28	4.3	1.0	46
Morsoy 4860	49.5	•	•	9/25	4.3	1.3	44
Progeny 4910	48.2	48.0	52.9	9/27	4.3	1.3	49
USG 74G99L	48.0	44.3	•	9/25	3.0	1.3	46
R05-4114	47.3	•	•	9/26	2.7	1.0	35
Delta Grow 4861LL	46.9	•	•	9/18	2.9	2.0	47
HALO 4:75	46.5	•	•	9/20	2.7	2.0	47
HALO 4:94	45.1	43.8	51.9	9/25	2.4	1.0	38
Go Soy 4810LL	44.0	•	•	9/20	3.0	1.7	44
R05-3239	43.8	45.5	•	9/22	1.0	1.0	32
Miami	43.2	•	•	9/25	3.0	1.3	47
Progeny 4928 LL	42.6	42.6	•	9/25	2.0	1.0	40
UA 4910	42.6	41.4	54.4	9/24	1.7	1.3	45
HBK C4926	40.3	38.4	48.4	9/24	3.7	1.3	44
HBK C4929	38.2	39.4	47.6	9/26	2.7	1.0	50
GRAND MEAN	47.1	•	•	9/24	2.9	1.4	43
LSD (5%)	6.4	•	•	3	1.1	0.7	•
C.V.	8.2	•	•	8	23.8	28.7	•
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Progeny 5191	60.9	•	•	09/25	2.0	1.0	36
GLENN	57.0	50.0	57.6	09/26	2.0	2.0	30
DB06-3442	54.9	47.5	•	09/24	2.3	2.3	36
Hutcheson	53.0	51.5	57.2	09/27	3.5	1.0	41
DB00-087-08	51.6	•	•	09/28	5.0	2.0	32
Ozark	51.6	48.1	56.9	09/26	3.0	1.0	39
HALO 5:25	51.4	46.7	58.0	09/27	2.0	1.0	32
Morsoy 5209	49.7	46.4	55.4	10/02	1.7	1.0	40
DB04-10836	49.7	45.8	51.0	10/02	3.7	1.7	41
Progeny 5160LL	48.8	45.2	•	09/27	1.5	1.0	32
Stine 50LC82	48.7	•	•	09/27	3.0	2.0	45
JTN-5203	48.4	•	•	09/25	1.7	3.7	32
HBK C5528	47.8	45.8	52.0	10/08	1.0	1.0	39
Morsoy 5429 ⁶	47.5	•	•	10/01	1.7	1.0	43
V04-1022	47.4	•	•	09/30	1.3	1.0	36
Dyna-Gro 34LL53	46.8	•	•	09/27	1.7	1.0	31

Table 9. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
DB03-8416	46.5	42.5	•	09/28	2.0	1.0	33
Progeny 5261LL	46.2	•	•	09/27	2.0	1.0	42
HBK C5025	46.1	44.4	52.4	09/28	4.0	1.0	47
Progeny 5460LL	46.0	44.1	•	09/24	2.0	3.5	46
V03-3650	46.0	•	•	09/28	2.5	2.0	36
Whitney 1154LL	45.7	•	•	09/25	3.7	2.7	44
Delta Grow 5461LL	44.0	•	•	09/25	1.3	2.7	40
Go Soy 5111LL	43.7	•	•	09/25	1.5	1.0	35
Dyna-Gro 37LL50	40.9	•	•	09/27	2.7	1.3	42
GRAND MEAN	48.8	•	•	09/28	2.3	1.6	38
LSD (5%)	6.8	•	•	2	1.2	0.8	•
C.V.	8.5	•	•	4	31.5	31.3	•

Maturity Group V Late (RM 5.6 to 5.9)

Progeny 5770	59.3	47.9	55.2	10/06	4.3	1.1	40
R04-357	54.5	50.3	52.6	10/01	4.7	1.0	39
Progeny 5960LL	54.2	42.5	•	09/29	2.7	1.0	38
R05-235	53.9	45.4	•	10/02	3.1	1.0	42
HALO 5:65	52.3	38.5	51.0	09/30	2.0	1.3	38
Osage	51.9	37.2	49.9	09/28	3.1	1.5	33
AGS 597RR ⁶	50.5	•	•	10/04	4.7	1.3	42
R04-572	49.1	37.5	•	10/06	1.1	1.0	32
Go Soy 5911LL	49.0	•	•	09/28	2.6	1.5	41
R06-4433	47.7	35.7	•	10/03	4.1	1.0	38
AGS 6011LL	46.2	•	•	09/23	1.6	2.0	38
AGS 5911LL	45.2	•	•	09/28	1.7	1.0	36
USG 75G90L	43.4	•	•	09/27	3.1	1.0	37
GRAND MEAN	50.6	•	•	09/30	3.0	1.2	38
LSD (5%)	4.6	•	•	2	1.3	0.6	•
C.V.	5.2	•	•	4	25.1	30.2	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, 2011.

Soil Series Calloway silt loam
 Soil pH 7.4
 Previous Crop Soybean
 Row Width 30 inches
 Fertilizer Applied 0-100-100, 4/1
 Planting Date 5/27
 Herbicide Applications Valor, 5/27; Prefix, 6/9
 Insecticide Applications Belt + Brigade, 8/7
 Irrigation Dates 6/11, 7/3, 7/15, 7/23, 8/5, 8/13, 8/31, 9/13
 Harvest Dates MG 4, 10/6; MG 5E, 10/17; MG 5L, 10/21

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2011	13.6	5.9	2.5	4.4	3.4	2.2	32.0
Average	5.0	5.1	3.9	3.8	2.6	2.5	23.0
Departure	8.6	0.8	-1.4	0.6	0.8	-0.3	9.0

Table 10. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group IV (RM 4.0 to 4.9)</u>							
HALO 4:65	66.5	64.9	62.3	9/14	1.3	1.0	39
Hanover	65.9	•	•	9/26	1.0	1.0	28
V03-4660	65.1	60.3	57.1	9/26	1.0	1.0	26
HALO 4:94	64.8	59.4	64.6	9/26	1.7	1.0	44
Go Soy 4810LL	63.5	•	•	9/25	2.0	1.0	42
USG 74G99L	63.1	61.9	•	9/26	2.3	1.0	42
R05-3239	62.2	58.9	•	9/26	1.0	1.0	25
Miami	62.2	•	•	9/27	1.0	1.0	43
Go Soy 4411LL	61.8	•	•	9/14	2.0	1.0	37
Progeny 4928 LL	61.7	60.8	•	9/26	1.7	1.0	45
HALO 4:75	60.7	•	•	9/21	1.3	1.0	43
Delta Grow 4861LL	59.2	•	•	9/21	1.0	1.0	48
Schillinger 495.RC ⁶	59.0	•	•	9/27	3.7	1.0	43
UA 4910	58.6	58.7	61.9	9/26	1.3	1.0	37
Morsoy 4860	58.2	•	•	9/26	3.0	1.0	49
S08-17361	58.0	•	•	9/27	1.9	1.0	41
HBK C4926	56.9	56.2	62.9	9/26	3.7	1.0	50
HBK C4929	56.4	57.0	62.4	9/27	2.3	1.0	54
R05-4114	53.6	•	•	9/26	1.0	1.0	26
Progeny 4910	52.7	54.5	58.7	9/26	2.3	1.0	47
GRAND MEAN	60.5	•	•	9/24	1.8	1.0	40
LSD (5%)	5.7	•	•	1	0.9	•	•
C.V.	5.7	•	•	3	29.1	•	•
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
HALO 5:25	73.1	65.5	69.1	10/04	1.0	1.0	22
Progeny 5160LL	71.5	65.6	•	10/04	1.0	1.0	23
Dyna-Gro 34LL53	71.3	•	•	10/05	1.0	1.0	23
Whitney 1154LL	69.4	•	•	09/27	1.0	2.0	44
Progeny 5191	67.8	•	•	09/27	1.0	1.0	21
Morsoy 5429 ⁶	67.7	•	•	10/04	1.0	1.0	32
JTN-5203	67.1	•	•	09/27	1.0	1.7	24
GLENN	66.9	63.4	64.8	10/01	1.0	1.0	22
Delta Grow 5461LL	66.6	•	•	09/27	1.0	2.0	38
Stine 50LC82	66.2	•	•	09/29	1.7	1.0	43
Progeny 5460LL	66.1	63.6	•	09/27	1.0	2.3	42
Morsoy 5209	65.6	58.9	61.5	10/04	1.0	1.0	33
Go Soy 5111LL	64.7	•	•	09/29	1.0	1.0	25
V03-3650	62.8	•	•	10/04	1.0	1.0	24
Ozark	62.3	62.7	64.2	09/29	1.3	1.0	22
V04-1022	61.7	•	•	10/03	1.0	1.0	24

Table 10. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
DB04-10836	61.3	60.5	64.6	10/04	1.0	1.0	27
DB06-3442	58.6	61.6	•	09/26	1.3	1.3	24
DB00-087-08	58.4	•	•	09/29	3.3	1.7	23
DB03-8416	58.4	57.7	•	09/24	2.3	1.0	33
Dyna-Gro 37LL50	57.0	•	•	09/29	1.0	1.0	27
Progeny 5261LL	56.1	•	•	09/29	1.0	1.0	28
HBK C5025	55.9	56.7	58.8	10/01	3.7	1.0	44
HBK C5528	55.9	56.1	59.9	10/06	1.0	1.0	38
Hutcheson	49.7	55.9	60.1	09/28	1.7	1.0	32
GRAND MEAN	63.3	•	•	09/30	1.3	1.2	30
LSD (5%)	4.6	•	•	6	0.5	0.4	•
C.V.	4.4	•	•	12	22.3	19.3	•
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
R04-357	68.1	68.6	69.9	10/04	1.0	1.0	31
R06-4433	67.7	64.7	•	10/06	1.0	1.0	28
Osage	66.7	64.1	68.5	09/30	1.0	1.0	23
AGS 5911LL	65.0	•	•	09/30	1.0	1.0	26
Go Soy 5911LL	64.1	•	•	09/30	1.0	1.0	28
USG 75G90L	63.7	•	•	09/30	1.0	1.0	25
R04-572	63.5	57.1	•	10/06	1.0	1.0	25
Progeny 5770	63.4	63.0	64.9	10/06	1.0	1.0	36
AGS 6011LL	63.1	•	•	09/29	1.0	1.0	28
R05-235	63.0	64.4	•	10/04	1.0	1.0	24
Progeny 5960LL	62.9	61.9	•	09/30	1.0	1.0	29
HALO 5:65	61.6	61.5	67.1	10/01	1.0	1.0	28
AGS 597RR ⁶	60.4	•	•	10/04	1.3	1.0	35
GRAND MEAN	64.1	•	•	10/02	1.0	1.0	28
LSD (5%)	5.4	•	•	1	0.3	•	•
C.V.	5.0	•	•	2	15.6	•	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, 2011.

Soil Series Crowley silt loam
 Soil pH 6.1
 Previous Crop Rice
 Row Width 30 inches
 Fertilizer Applied 0-60-60, 5/11
 Planting Date 5/17
 Herbicide Applications Dual Magnum + Scepter, 5/12; Newpath, 6/10; Poast + Flexstar, 7/14
 Insecticide Applications Belt + Intensity, 8/12
 Irrigation Dates 6/15, 6/24, 7/16, 7/27, 8/6, 8/24, 9/2, 9/13
 Harvest Dates MG 4E, 10/5; MG 4L, 10/5; MG 5E, 10/17; MG 5L, 10/17

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2011	11.5	5.7	1.6	1.8	6.2	1.2	27.9
Average	6.0	6.2	3.6	3.1	3.1	3.0	25.0
Departure	5.5	-0.5	-2.0	-1.3	3.1	-1.8	2.9

Table 11. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
S08-17361	55.2	•	•	9/24	1.0	1.3	44
Go Soy 4411LL	54.4	•	•	9/19	1.3	1.0	42
HALO 4:65	53.4	51.4	50.1	9/20	1.3	1.0	40
Hanover	52.9	•	•	9/20	1.0	1.0	32
HALO 4:94	52.0	51.2	55.0	9/20	1.0	1.0	42
Schillinger 495.RC ⁶	51.8	•	•	9/21	1.0	1.0	39
HBK C4926	51.7	52.2	57.6	9/22	1.5	1.0	44
Morsoy 4860	51.4	•	•	9/23	2.0	1.0	45
Go Soy 4810LL	51.0	•	•	9/20	1.0	1.0	42
Miami	50.3	•	•	9/22	1.0	1.0	40
USG 74G99L	50.0	51.2	•	9/20	1.0	1.0	42
R05-3239	49.8	52.3	•	9/20	1.0	1.0	29
R05-4114	49.8	•	•	9/20	1.0	1.0	30
V03-4660	49.7	51.5	53.9	9/25	1.3	1.0	33
Progeny 4910	49.2	50.2	51.2	9/22	2.0	1.0	38
Progeny 4928 LL	48.9	52.3	•	9/20	1.0	1.0	41
UA 4910	48.2	47.9	48.7	9/20	1.0	1.0	35
HBK C4929	46.3	49.9	55.1	9/22	1.5	1.0	40
HALO 4:75	44.6	•	•	9/17	1.0	1.7	41
Delta Grow 4861LL	41.8	•	•	9/17	1.0	2.0	38
GRAND MEAN	50.1	•	•	9/21	1.2	1.1	39
LSD (5%)	5.3	•	•	3	0.5	0.3	•
C.V.	6.4	•	•	8	24.7	18.3	•

Maturity Group V Early (RM 5.0 to 5.5)

DB00-087-08	55.0	•	•	09/26	2.5	1.0	30
DB03-8416	52.0	55.5	•	09/29	1.3	1.0	31
DB04-10836	53.2	52.4	56.9	09/29	2.0	1.0	34
DB06-3442	50.9	54.4	•	09/23	1.0	1.0	31
Delta Grow 5461LL	50.7	•	•	09/24	1.0	1.0	37
Dyna-Gro 34LL53	55.1	•	•	09/27	1.0	1.0	26
Dyna-Gro 37LL50	46.4	•	•	09/28	1.0	1.0	34
GLENN	56.2	53.0	57.6	09/25	1.0	1.0	24
Go Soy 5111LL	44.5	•	•	09/25	1.0	1.0	28
HALO 5:25	58.4	55.9	61.6	09/25	1.0	1.0	30
HBK C5025	46.6	49.7	58.6	10/01	2.0	1.0	47
HBK C5528	50.9	52.6	58.2	10/07	1.3	1.0	36
Hutcheson	50.1	50.1	53.3	09/25	1.3	1.0	32
JTN-5203	46.4	•	•	09/23	1.0	1.0	24
Morsoy 5209	52.2	54.8	61.0	10/02	1.3	1.0	39
Morsoy 5429 ⁶	48.4	•	•	10/01	1.0	1.0	34

Table 11. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
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.....bu/A.....

Maturity Group V Early (RM 5.0 to 5.5) Continued

Ozark	45.9	51.6	58.0	09/26	1.0	1.0	29
Progeny 5160LL	54.7	55.5	•	09/27	1.0	1.0	30
Progeny 5191	52.4	•	•	09/24	1.0	1.0	33
Progeny 5261LL	50.5	•	•	09/29	1.0	1.0	36
Progeny 5460LL	47.9	47.0	•	09/23	1.0	1.0	40
Stine 50LC82	47.3	•	•	09/28	1.0	1.0	43
V03-3650	46.2	•	•	09/27	1.0	1.0	31
V04-1022	44.4	•	•	09/30	1.0	1.0	33
Whitney 1154LL	53.8	•	•	09/23	1.0	1.0	43
GRAND MEAN	50.4	•	•	09/27	1.2	1.0	33
LSD (5%)	7.7	•	•	3	0.4	•	•
C.V.	9.3	•	•	6	22.2	•	•

Maturity Group V Late (RM 5.6 to 5.9)

AGS 5911LL	49.8	•	•	09/29	1.0	1.0	34
AGS 597RR ⁶	53.2	•	•	10/07	1.3	1.0	33
AGS 6011LL	45.1	•	•	09/25	1.0	1.0	32
Go Soy 5911LL	46.5	•	•	09/29	1.0	1.0	31
HALO 5:65	49.7	51.3	57.9	09/30	1.1	1.0	34
Osage	57.4	58.3	61.2	09/24	1.0	1.0	30
Progeny 5770	51.4	53.4	58.5	10/07	1.3	1.0	35
Progeny 5960LL	53.5	51.5	•	09/29	1.0	1.0	33
R04-357	47.5	54.0	56.2	09/30	1.1	1.0	35
R04-572	47.1	48.0	•	10/06	1.0	1.0	33
R05-235	53.4	57.8	•	10/01	1.0	1.0	32
R06-4433	54.4	58.9	•	10/03	1.0	1.0	35
USG 75G90L	49.3	•	•	09/30	1.0	1.0	34
GRAND MEAN	50.6	•	•	10/01	1.1	1.0	33
LSD (5%)	6.2	•	•	2	0.4	•	•
C.V.	7.3	•	•	4	21.5	•	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, 2011.

Soil Series	Sharkey clay
Previous Crop	Soybean
Row Width	19 inches
Planting Date	5/24
Fertilizer Applied	110-82-90, 3/25
Herbicide Applications	Flexstar, 6/14; Select, 6/22; Basagran + Blazer, 7/11
Insecticide Applications	Bifenthrin, 7/19; Belt + Orthene, 8/5
Irrigation Dates	6/17, 6/30, 7/18, 8/5, 8/29
Harvest Dates	MG 4, 10/5; MG 5E, 10/12; MG 5L, 10/12

Precipitation (inches)

	April	May	June	July	August	Sept.	Total
2011	7.2	2.4	1.7	3.7	5.6	4.1	24.7
Average	4.6	5.1	3.5	3.3	2.5	2.9	21.9
Departure	2.6	-2.7	-1.8	0.4	3.1	1.2	2.8

Table 12. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2011¹.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Progeny 5191	54.6	•	•	10/11	1.0	1.0	35
JTN-5203	51.9	•	•	10/10	1.0	1.0	38
Dyna-Gro 34LL53	51.8	•	•	10/10	1.0	1.0	34
Morsoy 5429 ⁶	51.8	•	•	10/11	1.0	1.0	45
Progeny 5160LL	51.8	45.5	•	10/10	1.0	1.0	36
DB04-10836	49.1	44.3	55.5	10/12	1.0	1.0	43
Stine 50LC82	49.1	•	•	10/10	1.0	1.0	56
GLENN	48.9	43.4	53.1	10/11	1.0	1.0	30
HALO 5:25	48.1	48.0	61.1	10/11	1.0	1.0	37
V04-1022	47.7	•	•	10/10	1.0	1.0	41
DB03-8416	47.5	42.6	•	10/10	1.0	1.0	38
Ozark	47.0	44.4	54.2	10/11	1.0	1.0	39
Hutcheson	46.8	45.5	54.1	10/09	1.0	1.0	37
DB00-087-08	46.6	•	•	10/13	1.0	1.0	34
Go Soy 5111LL	46.4	•	•	10/08	1.0	1.0	39
V03-3650	45.4	•	•	10/08	1.0	1.0	36
HBK C5025	45.0	36.5	49.8	10/11	1.0	1.0	53
HBK C5528	45.0	39.6	51.1	10/18	1.0	1.0	45
DB06-3442	44.9	41.6	•	10/07	1.0	1.0	42
Morsoy 5209	44.3	39.5	50.3	10/13	1.0	1.0	41
Progeny 5460LL	43.5	39.0	•	10/08	1.0	1.0	51
Whitney 1154LL	42.9	•	•	10/08	1.0	1.0	54
Delta Grow 5461LL	42.7	•	•	10/07	1.0	1.0	48
Dyna-Gro 37LL50	42.2	•	•	10/09	1.0	1.0	38
Progeny 5261LL	41.8	•	•	10/08	1.0	1.0	40
GRAND MEAN	47.1	•	•	10/10	1.0	1.0	41
LSD (5%)	5.4	•	•	3	•	•	•
C.V.	7.0	•	•	19	•	•	•

Table 12. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2011¹, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Progeny 5770	60.8	54.6	62.0	10/13	1.0	1.0	40
R06-4433	54.5	50.7	•	10/14	1.0	1.0	34
Osage	54.2	46.5	56.7	10/07	1.0	1.0	33
R04-357	53.6	49.8	59.9	10/12	1.0	1.0	41
R04-572	52.3	44.4	•	10/14	1.0	1.0	34
AGS 597RR ⁶	51.4	•	•	10/14	1.0	1.0	42
R05-235	49.8	47.3	•	10/12	1.0	1.0	39
AGS 6011LL	49.5	•	•	10/09	1.0	1.0	41
Go Soy 5911LL	47.0	•	•	10/12	1.0	1.0	42
HALO 5:65	46.7	39.3	52.1	10/14	1.0	1.0	42
USG 75G90L	46.0	•	•	10/13	1.0	1.0	43
Progeny 5960LL	45.1	41.5	•	10/16	1.0	1.0	45
AGS 5911LL	44.5	•	•	10/12	1.0	1.0	42
GRAND MEAN	50.4	•	•	10/12	1.0	1.0	40
LSD (5%)	6.8	•	•	2	•	•	•
C.V.	6.2	•	•	8	•	•	•

¹Only MG 5's were tested at this location.²Average Yield for 2010 and 2011.³Average Yield for 2009, 2010, 2011.

Soil Series	Roxanna silt loam
Previous Crop	Soybean
Row Width	36 inches
Planting Date	6/2
Herbicide Applications	Dual Magnum + Pursuit, 6/3
Insecticide Applications	Sevin XLR, 6/17
Irrigation Dates	6/9, 6/22, 6/28, 7/6, 7/13, 7/20, 7/26, 8/2, 8/24, 9/22
Harvest Dates	MG 5E, 11/1; MG 5L, 11/1

	Precipitation (inches)						
	May	June	July	August	September	October	Total
2011	8.4	0.8	0.5	4.1	1.5	4.8	20.1
Average	5.5	4.3	3.3	2.6	4.1	4.3	24.1
Departure	2.9	-3.5	-2.8	1.5	-2.6	0.5	-4.0

Table 13. Yields of Maturity Group IV Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart		Rohwer		Clay ²		All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Clay ² Average	Stuttgart Irrigated	Rohwer Irrigated	Clay ² Average		
.....bu/A.....												
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>												
Armor 46-R42	RR2	74.4	59.5	61.3	70.4	54.4	62.4	64.0				
Armor X1204	RR2	77.8	52.6	62.2	68.4	57.9	62.6	63.8				
Armor X1206	RR2	77.0	48.5	64.6	68.2	56.5	61.6	62.9				
ASGROW AG4232	RR2/STS	76.4	50.5	62.7	65.6	56.5	61.5	62.3				
ASGROW AG4531	RR2/STS	87.3	51.9	60.9	61.7	51.7	63.0	62.7				
ASGROW AG4632	RR2	84.8	51.2	63.5	69.3	55.8	63.8	64.9				
Davis D-246RR2Y	RR2/STS	75.5	50.4	60.7	65.6	52.3	59.7	60.9				
Delta Grow 4460RR	RR1	76.1	50.3	60.7	61.7	52.2	59.8	60.2				
Delta Grow 4670R2Y	RR2	77.5	53.7	65.2	66.8	57.3	63.4	64.1				
Dyna-Gro 31RY45	RR2	71.8	44.7	61.6	64.9	55.6	58.4	59.7				
Dyna-Gro 35x43	RR1	86.8	41.6	58.5	69.4	50.7	59.4	61.4				
Dyna-Gro 36C44	RR1/STS	77.9	53.5	64.0	65.2	54.2	62.4	63.0				
Dyna-Gro 39RY43	RR2	78.7	52.4	64.2	71.8	60.6	64.0	65.5				
HBK R4527	RR1	61.6	57.7	51.5	52.2	51.7	55.6	54.9				
HBK RY4620	RR2/STS	79.1	51.3	60.3	63.0	54.4	61.3	61.6				
Morsoy Xtra 46X29	RR2/STS	75.0	47.5	62.1	67.1	57.1	60.4	61.7				
Morsoy Xtra 46X71	RR2	73.4	51.0	61.2	66.2	53.8	59.8	61.1				
Pioneer 94Y40	RR1	83.4	49.2	58.4	74.7	59.4	62.6	65.0				
Progeny 4211RY	RR2	81.5	54.3	69.8	72.7	56.1	65.4	66.9				
Progeny 4510RY	RR2	83.4	44.2	61.1	69.7	51.5	60.0	62.0				

Table 13. Yields of Maturity Group IV Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart Irrigated	Rohwer Irrigated	Clay ² Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	bu/A				
<u>Maturity Group IV Early (RM 4.0 to 4.6) Continued</u>									
Progeny 4611RY	RR2	83.0	49.0	61.7	67.2	57.4	62.8	63.7	
REV® 44R22™	RR1	77.7	47.4	61.0	58.1	51.7	59.5	59.2	
REV® 45R10™	RR1	68.9	55.5	57.8	60.5	44.3	56.6	57.4	
REV® 46R73™	RR1	76.0	53.8	61.3	66.9	57.2	62.1	63.0	
S08-14087	RR1	70.9	53.5	54.3	56.1	51.7	57.6	57.3	
Schillinger 457.RCP	RR1	73.7	53.1	56.2	65.3	52.8	58.9	60.2	
Schillinger 458.RCS	RR1/STS	76.5	44.9	59.0	64.1	49.8	57.6	58.9	
Syngenta S39-U2 Brand	RR2	74.8	49.1	57.5	65.0	65.3	61.7	62.3	
Syngenta S42-T4 Brand	RR2	67.3	59.7	57.1	62.0	44.9	57.3	58.2	
Syngenta S46-A1 Brand	RR2	71.8	48.3	57.7	64.8	46.7	56.1	57.9	
USG 74C69	RR1	72.7	55.2	48.0	55.9	49.3	56.3	56.2	
Willcross RY2460S	RR2/STS	83.5	46.6	58.0	69.4	50.2	59.6	61.5	
GRAND MEAN		76.7	51.0	60.1	65.3	53.8	60.4	61.4	
LSD (5%)		10.8	13.8	6.6	5.3	7.6	9.7	8.8	
C.V.		8.6	13.3	6.7	4.9	7.0	8.9	8.1	

¹Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.
 Keiser Non-Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.
 Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.
 Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.
 Rohwer Irrigated = Rohwer Research Station. Soil series = Sharkey clay.
 Marianna Irrigated = The results of this location were not reported due to poor stands and lack of uniformity.
²Average yields from Keiser Irrigated, Keiser Non-Irrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 14. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart Irrigated	Rohwer Irrigated	Clay ² Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	bu/A				
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>									
Armor 48-R40	RR2/STS	81.0	60.8	62.4	64.1	54.2	64.6	64.5	
Armor DK4744	RR2/STS	81.4	55.8	56.2	58.4	54.3	61.9	61.2	
Armor X1208	RR2/STS	77.6	52.7	62.2	58.0	55.1	61.9	61.1	
Armor X1209	RR2/STS	75.7	53.8	60.4	57.5	53.0	60.7	60.1	
Armor X1210	RR1	73.1	53.0	65.5	58.9	58.8	62.6	61.9	
Armor X1211	RR1	77.4	53.3	58.2	56.2	47.8	59.2	58.6	
Armor X1247	RR2/STS	82.1	54.8	64.6	62.7	52.6	63.5	63.3	
ASGROW AG4730	RR2/STS	80.1	56.1	61.4	53.1	54.5	63.0	61.1	
ASGROW AG4732	RR2	79.3	54.1	62.4	55.8	57.5	63.3	61.8	
ASGROW AG4832	RR2	76.9	55.3	69.6	56.4	50.4	63.0	61.7	
ASGROW AG4932	RR2	75.7	57.1	59.7	52.2	49.2	60.4	58.8	
Atlanta 1047RR2Y	RR2	81.3	58.5	63.8	61.2	58.4	65.5	64.6	
Davis D-147RRCNS	RR1/STS	76.1	51.4	61.0	63.4	47.2	58.9	59.8	
Davis D-149RRCNS	RR1/STS	82.7	59.3	61.8	66.2	56.5	65.1	65.3	
Delta Grow 4770RR	RR1	81.4	51.3	63.7	67.0	49.0	61.3	62.5	
Delta Grow 4875R2Y	RR2	73.5	52.3	60.6	57.4	52.0	59.6	59.2	
Delta Grow 4880RR	RR1	76.1	56.7	59.7	54.8	56.8	62.3	60.8	
Delta Grow 4970RR	RR1	73.1	55.6	63.3	54.8	56.8	62.2	60.7	
Delta Grow 4975RR	RR1	70.8	55.5	55.6	57.3	55.3	59.3	58.9	
Dyna-Gro 33G48	RR1	72.8	55.0	57.4	60.0	56.3	60.4	60.3	
Dyna-Gro 33RY47	RR2	77.6	49.4	66.1	52.7	55.5	62.2	60.3	
Dyna-Gro 39D48	RR1	77.9	62.2	61.7	54.8	57.2	64.7	62.7	
Eagle Seed ES4777	RR1	74.6	49.2	58.1	59.1	49.4	57.8	58.1	
Eagle Seed ES4818	RR1	76.1	52.5	60.5	52.3	49.5	59.7	58.2	
Eagle Seed ES4998	RR1	76.9	55.4	61.0	48.3	61.0	63.6	60.5	
HBK R4729	RR1	70.7	48.4	50.2	57.0	46.4	53.9	54.5	

Table 14. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart Irrigated	Rohwer Irrigated	Clay ² Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	bu/A				
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>									
HBK R4829	RR1	73.8	51.2	62.3	57.3	57.7	61.2	60.4	
HBK R4830	RR1	72.2	50.6	58.3	60.3	45.0	56.5	57.3	
HBK R4924	RR1	73.0	52.8	58.8	59.9	48.7	58.3	58.6	
HBK RY4721	RR2	76.9	54.2	63.6	52.8	51.6	61.6	59.8	
Houston 747RR	RR1	75.9	51.7	64.9	65.7	52.6	61.3	62.2	
Morsoy 4707	RR1	80.7	53.7	58.9	65.3	52.2	61.4	62.1	
Morsoy 4824	RR1	78.5	54.6	64.6	64.2	55.1	63.2	63.4	
Morsoy 4955	RR1	76.2	45.8	59.8	55.1	46.0	56.9	56.6	
Morsoy Xtra 47X31	RR2	74.2	51.4	61.5	55.1	54.1	60.3	59.2	
Morsoy Xtra 48X00	RR2/STS	82.6	55.0	62.9	64.0	55.9	64.1	64.1	
Morsoy Xtra 49X10	RR2	72.5	52.3	61.8	54.0	45.9	58.1	57.3	
Nashville 749RR	RR1	78.8	50.9	62.5	69.6	54.0	61.6	63.2	
Pioneer 94Y70	RR1	78.2	57.1	62.9	67.1	53.9	63.0	63.8	
Pioneer 94Y81	RR1	77.2	50.2	58.9	66.0	51.6	59.5	60.8	
Progeny 4710RY	RR2	80.0	53.2	67.4	54.9	52.4	63.2	61.6	
Progeny 4750RR	RR1	78.5	57.5	63.6	58.2	58.9	64.6	63.3	
Progeny 4807RR	RR1	78.3	54.2	61.2	64.3	56.5	62.5	62.9	
Progeny 4811RY	RR2	74.2	49.5	63.5	54.0	51.7	59.7	58.6	
Progeny 4906RR	RR1	75.0	51.2	57.8	54.6	51.6	58.9	58.0	
Progeny 4911RY	RR2	62.2	49.5	57.8	51.0	48.7	54.6	53.8	
REV® 47R22™	RR1	77.6	55.9	62.2	63.4	53.3	62.3	62.5	
REV® 47R53™	RR1	77.3	61.0	59.6	64.5	52.3	62.5	62.9	
REV® 48R10™	RR1	78.6	53.5	55.9	61.1	44.8	58.2	58.8	
REV® 48R21™	RR1	72.0	55.3	59.1	59.5	46.3	58.1	58.4	
REV® 48R22™	RR1	78.2	53.3	65.9	65.9	48.3	61.4	62.3	
REV® 48R33™	RR1	81.2	56.2	64.8	66.6	56.7	64.7	65.1	

Table 14. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart Irrigated	Rohwer Irrigated	Clay ³ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	bu/A				
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>									
REV® 49R10™	RR1	76.7	48.4	65.1	59.6	48.9	59.8	59.7	
REV® 49R11™	RR1	76.1	50.8	65.7	70.6	51.5	61.0	62.9	
REV® 49R22™	RR1	73.5	50.4	63.7	60.1	46.6	58.6	58.9	
REV® 49R23™	RR1	74.1	54.8	50.0	66.4	54.7	58.4	60.0	
REV® 49R43™	RR1	78.2	51.7	56.8	61.4	56.1	60.7	60.8	
Schillinger 478.RCS	RR1/STS	79.5	50.6	59.1	70.6	49.2	59.6	61.8	
Schillinger 495.RC	RR1	70.5	61.1	62.2	55.9	53.6	61.8	60.6	
Schillinger 4990.RC	RR1	70.2	53.6	57.5	50.7	49.7	57.7	56.3	
Stine 48RC32	RR2	75.4	49.2	57.8	61.4	51.4	58.5	59.1	
Syngenta S47-R3 Brand	RR1	78.3	54.5	60.9	55.1	49.8	60.9	59.7	
Syngenta S49-A5 Brand	RR1	76.8	50.8	61.6	53.6	50.0	59.8	58.6	
USG 7495nRS	RR1/STS	76.5	46.2	61.5	56.5	47.3	57.9	57.6	
USG 74A79R	RR2/STS	81.9	56.7	62.1	60.4	56.7	64.4	63.6	
USG 74A91	RR1	78.8	52.4	58.5	53.8	47.3	59.3	58.2	
USG 74B81R	RR2	79.0	52.0	62.8	57.6	53.7	61.9	61.0	
USG 74E88	RR1/STS	71.1	52.4	60.5	63.4	50.1	58.5	59.5	
USG 74H81	RR1	77.6	56.7	63.9	47.2	52.8	62.7	59.6	
Willcross RR2477N	RR1	77.4	50.2	62.9	64.7	47.3	59.4	60.5	
Willcross RR2878NS	RR1/STS	70.6	51.9	60.1	65.9	53.0	58.9	60.3	
Willcross RY2481S	RR2	80.3	56.7	61.6	66.4	49.7	62.1	63.0	
GRAND MEAN		76.5	53.5	61.1	59.4	52.2	60.8	60.5	
LSD (5%)		5.8	7.1	7.3	6.1	6.4	6.6	6.5	
C.V.		4.7	8.2	7.4	6.3	7.5	7.0	6.8	

¹Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Non-Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.

Rohwer Irrigated = Rohwer Research Station. Soil series = Sharkey clay.

Marianna Irrigated = The results of this location were not reported due to poor stands and lack of uniformity.

²Average yields from Keiser Irrigated, Keiser Non-Irrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 15. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Keiser Double-Crop				Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³		All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Irrigated	Keiser Non-Irrigated	Marianna Irrigated	Marianna Non-Irrigated	Stuttgart Irrigated	Rohwer Irrigated				Kibler ² Irrigated	Loam Average		Clay^{4} Average
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>															
AGS 554 RR	RR1	74.3	54.7	51.8	49.9	55.3	49.4	41.9	49.0	57.5	53.9	53.9			
Armor 53-R15	RR2	80.1	55.8	58.7	56.3	51.8	47.0	47.1	51.7	60.4	56.7	56.7			
Armor 55-R22	RR2	76.9	66.1	53.1	49.9	60.7	48.8	45.3	51.9	61.2	57.2	57.2			
Armor DK 5363	RR1	71.2	62.0	51.4	53.8	61.7	45.8	50.1	55.2	57.6	56.5	56.5			
Armor X1213	RR2	80.3	56.9	58.6	51.3	57.2	47.9	53.0	53.8	60.9	57.9	57.9			
Armor X1215	RR2	79.2	56.4	47.7	58.1	48.4	43.9	44.0	50.2	56.8	54.0	54.0			
Armor X1216	RR2	81.2	59.3	50.4	50.6	52.5	44.4	52.4	51.8	58.8	55.8	55.8			
Armor X1217	RR2/STS	85.6	58.0	56.3	59.7	55.1	45.1	38.5	51.1	61.2	56.9	56.9			
Armor X1253	RR2	80.2	56.0	60.0	52.1	53.7	48.7	49.6	51.8	61.2	57.2	57.2			
Armor X1255	RR2	75.9	59.7	59.3	49.9	57.2	50.9	50.0	52.4	61.4	57.5	57.5			
ASGROW AG5232	RR2	84.0	63.1	57.0	64.3	56.3	52.9	51.7	57.5	64.2	61.3	61.3			
ASGROW AG5332	RR2	82.4	64.7	64.8	61.5	67.1	59.0	50.9	59.8	67.7	64.3	64.3			
ASGROW AG5532	RR2	77.9	52.9	55.8	58.3	59.7	47.3	49.6	55.9	58.4	57.3	57.3			
Croplan R2C5360	RR2	67.2	59.3	50.0	51.5	56.0	42.2	43.1	50.2	54.7	52.7	52.7			
Delta Grow 5110R2Y	RR2	76.6	49.7	57.6	45.9	48.3	46.8	42.2	45.5	57.7	52.4	52.4			
Delta Grow 5160RR/STS	RR1/STS	71.3	50.6	58.6	58.6	54.8	45.4	37.7	50.4	56.5	53.9	53.9			
Delta Grow 5252R2Y	RR2	72.0	62.1	61.5	62.9	63.1	50.2	48.7	58.2	61.5	60.1	60.1			
Delta Grow 5275R2Y	RR2	78.3	57.9	59.2	59.6	50.5	45.0	45.9	52.0	60.1	56.6	56.6			
Delta Grow 5280RR	RR1	74.5	55.2	52.4	52.0	55.2	52.4	39.7	49.0	58.6	54.5	54.5			
Delta Grow 5300RR/STS	RR1/STS	80.1	57.7	55.5	56.4	58.6	48.1	47.8	54.2	60.4	57.7	57.7			
Delta Grow 5545RR	RR1	75.3	56.4	50.4	55.7	52.4	45.5	47.4	51.8	56.9	54.7	54.7			
Delta Grow 5555RR	RR1	78.8	65.0	54.6	47.9	51.3	43.1	48.0	49.0	60.3	55.5	55.5			
Delta Grow 5565R2Y	RR2	75.7	61.6	59.7	46.7	59.8	53.0	48.2	51.6	62.5	57.8	57.8			
Dyna-Gro 32RY55	RR2	76.2	63.2	56.1	48.5	59.3	48.4	47.8	51.8	61.0	57.1	57.1			
Dyna-Gro 35F55	RR1	72.9	60.6	45.8	50.9	55.8	41.8	46.7	51.1	55.3	53.5	53.5			
Dyna-Gro 35P53	RR1	78.2	64.9	46.2	45.1	53.7	45.2	48.8	49.2	58.6	54.6	54.6			
Dyna-Gro 37RY52	RR2	74.8	56.3	55.6	52.5	49.1	46.0	52.5	51.4	58.2	55.2	55.2			
Eagle Seed ES5507	RR1	74.8	56.4	49.3	53.4	50.1	43.0	45.3	49.6	55.9	53.2	53.2			
HBK R5226	RR1	70.8	55.0	50.2	52.7	57.4	50.2	45.6	51.9	56.5	54.5	54.5			
HBK R5525	RR1	68.3	56.5	53.7	45.6	59.2	50.4	49.0	51.2	57.2	54.6	54.6			

Table 15. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Keiser Double-Crop		Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³ Loam		Clay ⁴ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Irrigated	Non-Irrigated	Average	Average								
Maturity Group V Early (RM 5.0 to 5.5) Continued															
HBK R5529	RR1	79.2	61.7	54.1	56.1	70.2	55.4	45.3	57.2	62.6	60.3				
HBK RY5121	RR2	75.0	54.7	59.1	43.5	65.5	57.7	49.3	52.8	61.6	57.8				
HBK RY5220	RR2	73.5	53.1	57.9	47.0	61.9	48.9	49.4	52.8	58.4	56.0				
HBK RY5221	RR2	83.4	59.7	57.5	45.5	65.6	47.6	43.8	51.6	62.0	57.6				
HBK RY5421	RR2	82.8	60.0	60.6	43.5	56.0	48.7	48.6	49.4	63.0	57.2				
HBK RY5521	RR2	77.5	53.1	58.6	50.3	59.1	40.8	47.1	52.2	57.5	55.2				
Morsoy 5168	RR1	77.0	57.0	57.3	51.1	56.5	46.5	42.8	50.1	59.4	55.4				
Morsoy 5388	RR1	79.9	50.8	56.8	48.7	56.6	49.1	48.8	51.4	59.2	55.8				
Morsoy 5429	RR1	82.1	60.3	58.5	51.2	67.9	50.5	46.1	55.1	62.9	59.5				
Morsoy Xtra 51X31	RR2	76.8	56.4	48.9	54.9	62.7	51.3	53.8	57.1	58.4	57.8				
Morsoy Xtra 53X51	RR2	73.3	52.2	48.0	51.7	54.4	47.7	40.0	48.7	55.3	52.5				
Morsoy Xtra 54X41	RR2	81.5	57.9	55.3	49.5	58.6	51.7	48.8	52.3	61.6	57.6				
Nidera N-Exp-52011	RR1	76.7	41.9	58.2	47.1	49.8	39.2	45.1	47.3	54.0	51.1				
Nidera N-Exp-55011	RR1	81.1	58.1	56.4	48.7	57.5	49.8	48.2	51.5	61.4	57.1				
Pioneer 95Y40	RR1	79.3	60.6	56.7	55.9	64.6	50.4	43.4	54.6	61.8	58.7				
Progeny 5111RY	RR2	74.8	57.2	54.8	57.9	62.8	49.4	46.3	55.7	59.1	57.6				
Progeny 5210RY	RR2	76.8	56.2	58.2	56.0	48.2	48.1	42.1	48.7	59.8	55.1				
Progeny 5321RY	RR2	64.8	48.7	53.7	54.3	51.9	44.8	33.8	46.6	53.0	50.3				
Progeny 5330RR	RR1	75.1	58.8	50.3	53.6	56.4	45.2	42.5	50.8	57.4	54.6				
R04-1250RR	RR1	72.6	52.7	49.6	45.8	49.3	39.4	45.3	46.8	53.6	50.7				
R04-1268RR	RR1	69.9	58.8	52.2	52.9	48.8	40.9	44.8	48.8	55.5	52.6				
R06-2082RR	RR1	71.7	58.0	47.4	44.7	49.6	44.1	47.8	47.3	55.3	51.9				
REV® 51R53™	RR1	74.1	60.6	57.2	53.6	65.3	42.3	44.4	54.4	58.5	56.8				
REV® 54R10™	RR1	71.3	59.9	45.5	53.8	59.5	45.0	44.1	52.4	55.4	54.1				
REV® 55R21™	RR1/STS	68.7	59.3	45.9	45.8	49.5	36.1	40.7	45.3	52.5	49.4				
Schillinger 5220.RC	RR1	81.2	57.9	61.2	54.5	55.7	51.5	44.8	51.7	63.0	58.1				
Schillinger 557.RC	RR1	75.5	60.1	56.1	55.0	53.8	43.7	46.5	51.8	58.9	55.8				
Syngenta S51-J3 Brand	RR2	79.6	58.6	61.2	53.5	67.5	52.5	46.5	55.8	63.0	59.9				

42 **Table 15. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.**

Variety/Experimental Line	Herbicide Tolerance	Keiser						All-Location Average			
		Keiser Irrigated	Keiser Non-Irrigated	Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated		Kibler ² Irrigated	Silt ³ Loam Average	Clay ⁴ Average
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>											
Syngenta S51-T8 Brand	RR1	65.5	54.2	51.4	54.2	49.2	52.1	41.3	48.2	55.8	52.5
USG 7553nRS	RR1/STS	76.4	56.4	56.7	51.4	62.9	45.4	49.7	54.7	58.8	57.0
USG 75B21R	RR2	74.6	54.5	56.8	58.4	64.6	54.8	48.1	57.0	60.2	58.8
USG 75R31R	RR2	65.9	50.6	54.2	48.7	48.0	45.2	36.3	44.3	54.0	49.8
USG 75Z38	RR1	77.3	60.0	50.1	48.9	57.6	52.3	50.0	52.2	59.9	56.6
Willcross RR2507NS	RR1/STS	75.0	51.5	56.1	52.3	54.6	46.6	40.9	49.3	57.3	53.8
Willcross RR2544NS	RR1/STS	77.5	58.4	62.3	59.1	64.2	50.1	54.6	59.3	62.1	60.9
Willcross RR2547N	RR1	69.9	54.8	63.9	42.2	61.7	44.9	45.1	49.7	58.4	54.6
GRAND MEAN		75.9	57.2	55.0	52.2	56.9	47.5	46.1	51.7	58.9	55.8
LSD (5%)		7.7	6.9	7.2	8.6	5.4	6.1	6.8	6.9	7.0	6.9
C.V.		6.3	6.0	8.1	10.2	5.8	7.9	9.0	8.3	7.1	7.6

¹Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Non-Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Marianna Irrigated = Lon Mann Cotton Research Station. Soil series = Calloway silt loam.

Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.

Rohwer Irrigated = Rohwer Research Station. Soil series = Sharkey clay.

Kibler Irrigated = Vegetable Research Station. Soil series = Roxanna silt loam.

²Only MG 5's were tested at this location.

³Average yields from Marianna Irrigated and Stuttgart Irrigated.

⁴Average yields from Keiser Irrigated, Keiser Non-Irrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 16. Yields of Maturity Group V Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Keiser Double-Crop				Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³ Loam Average	Clay ⁴ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Irrigated	Keiser Non-Irrigated	Marianna Irrigated	Marianna Non-Irrigated	Stuttgart Non-Irrigated	Rohwer Non-Irrigated							Kibler^{2} Non-Irrigated	Silt^{3} Loam Average	Clay^{4} Average
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>															
AGS 568RR	RR1	75.2	62.2	60.0	47.0	56.1	48.8	48.1	50.4	61.5	56.8				
AGS 597RR	RR1	74.0	69.4	56.9	49.0	54.4	44.5	49.9	51.1	61.2	56.9				
ASGROW AG5632	RR2/STS	73.4	56.7	57.5	44.9	62.1	49.9	51.4	52.8	59.4	56.5				
ASGROW AG5832	RR2	63.3	55.8	53.8	47.7	48.9	43.1	40.0	45.6	54.0	50.4				
Delta Grow 5625R2Y	RR2	80.5	60.7	56.5	38.5	63.7	50.0	55.2	52.4	61.9	57.9				
Delta Grow 5656R2Y	RR2	80.7	55.8	57.7	47.1	56.0	46.8	54.1	52.4	60.2	56.9				
Nidera N-Exp-58011	RR1	86.1	56.6	56.3	42.5	54.3	38.8	50.3	49.0	59.4	55.0				
Pioneer 95Y71	RR1	85.2	60.4	58.5	44.3	67.5	50.0	55.0	55.6	63.5	60.1				
Progeny 5610RY	RR2	81.7	64.2	63.3	45.4	62.0	51.4	54.4	53.9	65.1	60.3				
Progeny 5655RY	RR2	70.9	54.2	59.2	48.3	63.5	49.3	52.4	54.7	58.4	56.8				
Progeny 5711RY	RR2	83.6	60.4	59.5	39.4	61.8	42.7	52.5	51.2	61.5	57.1				
Progeny 5811RY	RR2	82.7	59.7	60.0	43.9	55.2	43.8	52.9	50.7	61.5	56.9				
REV® 56R21™	RR1	77.7	64.8	53.4	45.1	66.2	55.7	52.9	54.7	62.9	59.4				
REV® 56R63™	RR1	77.1	62.4	57.4	50.7	62.6	49.6	49.1	54.1	61.6	58.4				
REV® 57R21™	RR1	78.5	61.1	58.6	50.8	74.2	51.1	52.6	59.2	62.3	61.0				
Syngenta S56-G6 Brand	RR1	74.3	55.2	52.2	45.3	51.8	45.9	50.2	49.1	56.9	53.5				
USG 75J90R	RR2	73.8	58.7	56.5	40.2	59.0	54.7	52.6	50.6	60.9	56.5				
USG 75Z98	RR1	73.4	63.5	52.1	49.5	56.0	48.7	53.1	52.9	59.4	56.6				
GRAND MEAN		77.3	60.1	57.2	45.5	59.7	48.0	51.5	52.2	60.7	57.1				
LSD (5%)		9.4	6.7	8.8	7.7	5.8	5.4	4.3	5.9	7.6	6.9				
C.V.		7.3	6.7	9.3	10.2	5.8	6.7	5.0	7.0	7.5	7.3				

Table 16. Yields of Maturity Group V Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2011¹, Continued.

¹Keiser Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Non-Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Keiser Double-Crop Irrigated = Northeast Research and Extension Center. Soil series = Sharkey silty clay.

Marianna Irrigated = Lon Mann Cotton Research Station. Soil series = Calloway silt loam.

Stuttgart Irrigated = Rice Research and Extension Center. Soil series = Crowley silt loam.

Rohwer Irrigated = Rohwer Research Station. Soil series = Sharkey clay.

Kibler Irrigated = Vegetable Research Station. Soil series = Roxanna silt loam.

²Only MG 5's were tested at this location.

³Average yields from Marianna Irrigated and Stuttgart Irrigated.

⁴Average yields from Keiser Irrigated, Keiser Non-Irrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 17. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark. 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group IV Early (RM 4.0 to 4.6)							
ASGROW AG4531	87.3	78.6	•	10/6	1.0	1.0	41
Dyna-Gro 35x43	86.8	81.1	•	10/5	1.0	1.0	43
ASGROW AG4632	84.8	•	•	10/8	1.0	1.0	45
Willcross RY2460S	83.5	76.4	•	10/8	1.0	1.0	41
Progeny 4510RY	83.4	76.9	•	10/6	1.0	1.0	42
Pioneer 94Y40	83.4	78.5	•	10/5	1.0	1.0	45
Progeny 4611RY	83.0	•	•	10/8	1.0	1.0	39
Progeny 4211RY	81.5	•	•	10/3	1.0	1.0	43
HBK RY4620	79.1	74.5	•	10/7	1.0	1.0	41
Dyna-Gro 39RY43	78.7	•	•	10/5	1.0	1.0	36
Dyna-Gro 36C44	77.9	74.8	71.8	10/5	1.0	1.0	39
Armor X1204	77.8	•	•	10/4	1.0	1.0	42
REV® 44R22™	77.7	78.4	•	10/3	1.0	1.0	36
Delta Grow 4670R2Y	77.5	•	•	10/5	1.0	1.0	42
Armor X1206	77.0	•	•	10/7	1.0	1.0	42
Schillinger 458.RCS	76.5	74.2	71.7	10/5	1.0	1.0	43
ASGROW AG4232	76.4	•	•	10/6	1.0	1.0	42
Delta Grow 4460RR	76.1	•	•	10/6	1.0	1.0	50
REV® 46R73™	76.0	•	•	10/8	1.3	1.0	45
Davis D-246RR2Y	75.5	•	•	10/6	1.0	1.0	43
Morsoy Xtra 46X29	75.0	73.8	•	10/9	1.0	1.0	42
Syngenta S39-U2 Brand	74.8	•	•	10/4	1.0	1.0	37
Armor 46-R42	74.4	•	•	10/4	1.0	1.0	42
Schillinger 457.RCP	73.7	73.0	72.1	10/8	1.0	1.0	42
Morsoy Xtra 46X71	73.4	•	•	10/5	1.3	1.0	44
USG 74C69	72.7	70.9	70.0	10/8	1.0	1.0	46
Syngenta S46-A1 Brand	71.8	•	•	10/4	1.0	1.0	49
Dyna-Gro 31RY45	71.8	•	•	10/5	1.0	1.0	45
S08-14087	70.9	•	•	10/7	1.0	1.0	50
REV® 45R10™	68.9	71.9	71.3	10/5	1.0	1.0	52
Syngenta S42-T4 Brand	67.3	•	•	10/3	1.0	1.0	47
HBK R4527	61.6	63.6	65.3	10/4	1.0	1.0	52
GRAND MEAN	76.7	•	•	10/6	1.0	1.0	43
LSD (5%)	10.8	•	•	3	0.2	•	•
C.V.	8.6	•	•	31	14.2	•	•

Table 17. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark. 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Davis D-149RRCNS	82.7	77.9	•	10/07	1.0	1.0	44
Morsoy Xtra 48X00	82.6	76.7	•	10/07	1.0	1.0	36
Armor X1247	82.1	•	•	10/08	1.0	1.0	40
USG 74A79R	81.9	76.9	•	10/07	1.0	1.0	42
Delta Grow 4770RR	81.4	77.2	75.3	10/08	2.3	1.0	36
Armor DK 4744	81.4	76.2	•	10/08	1.0	1.0	40
Atlanta 1047RR2Y	81.3	•	•	10/07	1.0	1.0	47
REV® 48R33™	81.2	•	•	10/07	1.0	1.0	42
Armor 48-R40	81.0	•	•	10/08	1.0	1.0	44
Morsoy 4707	80.7	78.1	75.4	10/07	1.0	1.0	42
Willcross RY2481S	80.3	75.4	•	10/08	1.0	1.0	40
ASGROW AG4730	80.1	79.5	•	10/08	1.0	1.0	42
Progeny 4710RY	80.0	•	•	10/08	1.0	1.0	40
Schillinger 478.RCS	79.5	75.3	75.5	10/07	1.0	1.0	37
ASGROW AG4732	79.3	•	•	10/07	1.0	1.0	37
USG 74B81R	79.0	•	•	10/06	1.0	1.0	40
Nashville 749RR	78.8	•	•	10/09	1.0	1.0	39
USG 74A91	78.8	74.9	75.5	10/07	1.0	1.0	45
REV® 48R10™	78.6	74.7	73.4	10/06	1.3	1.0	38
Morsoy 4824	78.5	77.5	76.3	10/07	1.0	1.0	48
Progeny 4750RR	78.5	77.8	•	10/07	1.0	1.0	42
Progeny 4807RR	78.3	77.0	76.0	10/08	1.0	1.0	46
Syngenta S47-R3 Brand	78.3	74.8	•	10/07	1.0	1.0	49
Pioneer 94Y70	78.2	77.8	75.0	10/07	1.0	1.0	42
REV® 48R22™	78.2	75.3	•	10/08	2.0	1.0	38
REV® 49R43™	78.2	•	•	10/06	1.0	1.0	40
Dyna-Gro 39D48	77.9	•	•	10/06	1.0	1.0	46
REV® 47R22™	77.6	76.5	•	10/06	1.0	1.3	40
Armor X1208	77.6	•	•	10/08	1.0	1.0	46
Dyna-Gro 33RY47	77.6	•	•	10/06	1.0	1.0	42
USG 74H81	77.6	•	•	10/08	1.0	1.0	43
Armor X1211	77.4	71.8	•	10/08	1.0	1.0	36
Willcross RR2477N	77.4	77.6	•	10/07	1.0	1.0	38
REV® 47R53™	77.3	•	•	10/07	1.0	1.0	40
Pioneer 94Y81	77.2	•	•	10/09	1.0	1.0	46
Eagle Seed ES4998	76.9	75.4	•	10/06	1.0	1.0	42
ASGROW AG4832	76.9	•	•	10/07	1.0	1.3	42
HBK RY4721	76.9	•	•	10/06	1.0	1.3	48
Syngenta S49-A5 Brand	76.8	•	•	10/08	1.3	1.0	50
REV® 49R10™	76.7	76.4	76.2	10/07	2.0	1.3	54
USG 7495nRS	76.5	72.6	73.1	10/07	1.3	1.3	48
Morsoy 4955	76.2	72.7	73.3	10/07	1.0	1.3	38
Eagle Seed ES4818	76.1	75.9	•	10/10	1.0	1.0	51

Table 17. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark. 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group IV Late (RM 4.7 to 4.9) Continued							
Delta Grow 4880RR	76.1	76.0	•	10/06	1.3	1.3	40
REV® 49R11™	76.1	72.3	70.7	10/07	1.0	1.0	40
Davis D-147RRCNS	76.1	75.2	•	10/06	1.0	1.0	37
Houston 747RR	75.9	•	•	10/07	1.0	1.0	37
Armor X1209	75.7	•	•	10/07	1.0	1.0	46
ASGROW AG4932	75.7	•	•	10/09	1.0	1.0	44
Stine 48RC32	75.4	•	•	10/07	1.0	1.7	40
Progeny 4906RR	75.0	71.8	73.1	10/07	1.0	1.0	44
Eagle Seed ES4777	74.6	74.8	73.7	10/07	1.0	1.0	40
Morsoy Xtra 47X31	74.2	•	•	10/07	1.3	1.0	49
Progeny 4811RY	74.2	•	•	10/07	1.3	1.3	42
REV® 49R23™	74.1	•	•	10/07	1.0	1.0	42
HBK R4829	73.8	76.2	•	10/06	1.0	1.0	42
Delta Grow 4875R2Y	73.5	•	•	10/07	1.0	1.0	44
REV® 49R22™	73.5	72.4	•	10/06	1.3	1.0	42
Armor X1210	73.1	•	•	10/09	1.0	1.0	42
Delta Grow 4970RR	73.1	77.5	74.7	10/08	1.0	1.0	48
HBK R4924	73.0	74.3	70.7	10/08	1.0	1.0	42
Dyna-Gro 33G48	72.8	75.0	•	10/07	1.7	1.0	44
Morsoy Xtra 49X10	72.5	74.5	•	10/07	1.3	1.0	40
HBK R4830	72.2	•	•	10/09	1.0	1.0	56
REV® 48R21™	72.0	70.5	•	10/06	1.0	1.0	37
USG 74E88	71.1	66.5	66.2	10/08	1.0	1.0	44
Delta Grow 4975RR	70.8	72.9	74.9	10/07	1.0	1.0	41
HBK R4729	70.7	66.5	65.4	10/08	1.0	1.0	40
Willcross RR2878NS	70.6	68.6	67.6	10/07	1.0	1.0	44
Schillinger 495.RC	70.5	77.8	76.4	10/07	1.0	1.0	47
Schillinger 4990.RC	70.2	73.0	71.9	10/07	1.0	1.0	40
Progeny 4911RY	62.2	•	•	10/08	1.0	1.0	55
GRAND MEAN	76.5	•	•	10/07	1.1	1.0	43
LSD (5%)	5.8	•	•	2	0.3	0.4	•
C.V.	4.7	•	•	21	19.6	22.7	•

Table 17. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark. 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Armor X1217	85.6	•	•	10/13	1.0	1.0	35
ASGROW AG5232	84.0	•	•	10/14	1.0	1.0	30
HBK RY5221	83.4	•	•	10/14	1.7	1.0	46
HBK RY5421	82.8	•	•	10/12	1.0	1.0	47
ASGROW AG5332	82.4	•	•	10/16	1.0	1.0	42
Morsoy 5429	82.1	72.5	75.6	10/15	1.0	1.0	35
Morsoy Xtra 54X41	81.5	•	•	10/14	1.0	1.0	34
Schillinger 5220.RC	81.2	•	•	10/16	1.0	1.0	43
Armor X1216	81.2	•	•	10/12	1.0	1.0	35
Nidera N-Exp-55011	81.1	•	•	10/12	1.0	1.0	31
Armor X1213	80.3	•	•	10/11	1.0	1.0	31
Armor X1253	80.2	•	•	10/13	1.0	1.0	33
Delta Grow 5300RR/STS	80.1	•	•	10/13	1.0	1.0	33
Armor 53-R15	80.1	72.7	•	10/12	1.0	1.0	35
Morsoy 5388	79.9	72.7	73.0	10/14	1.0	1.0	36
Syngenta S51-J3 Brand	79.6	•	•	10/12	1.0	1.0	29
Pioneer 95Y40	79.3	70.8	74.1	10/12	1.0	1.0	30
Armor X1215	79.2	•	•	10/16	1.0	1.0	38
HBK R5529	79.2	73.1	•	10/14	1.0	1.0	31
Delta Grow 5555RR	78.8	71.4	73.0	10/13	1.3	1.0	35
Delta Grow 5275R2Y	78.3	•	•	10/12	1.0	1.0	31
Dyna-Gro 35P53	78.2	72.3	•	10/12	1.0	1.0	34
ASGROW AG5532	77.9	•	•	10/12	1.0	1.0	31
Willcross RR2544NS	77.5	73.1	73.6	10/12	1.0	1.0	35
HBK RY5521	77.5	•	•	10/14	1.0	1.0	35
USG 75Z38	77.3	70.6	•	10/16	1.0	1.0	33
Morsoy 5168	77.0	70.3	71.1	10/13	1.0	1.0	42
Armor 55-R22	76.9	•	•	10/13	1.0	1.0	29
Progeny 5210RY	76.8	72.4	•	10/12	1.0	1.0	36
Morsoy Xtra 51X31	76.8	•	•	10/12	1.0	1.0	35
Nidera N-Exp-52011	76.7	•	•	10/14	1.3	1.0	51
Delta Grow 5110R2Y	76.6	•	•	10/15	1.3	1.0	49
USG 7553nRS	76.4	68.0	69.9	10/13	1.0	1.0	33
Dyna-Gro 32RY55	76.2	•	•	10/14	1.0	1.0	34
Armor X1255	75.9	•	•	10/13	1.0	1.0	31
Delta Grow 5565R2Y	75.7	•	•	10/13	1.0	1.0	34
Schillinger 557.RC	75.5	67.9	•	10/13	1.0	1.0	32
Delta Grow 5545RR	75.3	•	•	10/14	1.0	1.0	31
Progeny 5330RR	75.1	69.7	•	10/14	1.0	1.0	36
HBK RY5121	75.0	•	•	10/13	1.0	1.0	31
Willcross RR2507NS	75.0	69.0	•	10/15	1.3	1.0	46
Eagle Seed ES5507	74.8	69.1	69.0	10/15	1.0	1.0	37
Dyna-Gro 37RY52	74.8	71.0	•	10/14	1.0	1.0	33

Table 17. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark. 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group V Early (RM 5.0 to 5.5) Continued							
Progeny 5111RY	74.8	•	•	10/12	1.0	1.0	36
USG 75B21R	74.6	•	•	10/12	1.0	1.0	29
Delta Grow 5280RR	74.5	68.6	72.3	10/16	1.0	1.0	36
AGS 554 RR	74.3	66.2	68.0	10/15	1.0	1.0	38
REV® 51R53™	74.1	•	•	10/16	1.3	1.0	42
HBK RY5220	73.5	70.2	•	10/13	1.0	1.0	34
Morsoy Xtra 53X51	73.3	•	•	10/14	1.0	1.0	34
Dyna-Gro 35F55	72.9	67.9	70.1	10/13	1.0	1.0	29
R04-1250RR	72.6	•	•	10/12	1.0	1.0	34
Delta Grow 5252R2Y	72.0	•	•	10/11	1.0	1.0	23
R06-2082RR	71.7	•	•	10/12	1.0	1.0	35
Delta Grow 5160RR/STS	71.3	•	•	10/15	1.0	1.0	42
REV® 54R10™	71.3	66.0	70.0	10/14	1.0	1.0	36
Armor DK 5363	71.2	58.9	64.3	10/17	1.0	1.0	34
HBK R5226	70.8	66.9	71.2	10/15	1.0	1.0	35
R04-1268RR	69.9	•	•	10/13	1.0	1.0	29
Willcross RR2547N	69.9	70.6	68.7	10/15	1.7	1.0	46
REV® 55R21™	68.7	62.6	•	10/13	1.0	1.0	34
HBK R5525	68.3	62.8	66.7	10/13	1.0	1.0	36
Croplan R2C5360	67.2	•	•	10/12	1.0	1.0	34
USG 75R31R	65.9	•	•	10/15	1.0	1.0	48
Syngenta S51-T8 Brand	65.5	•	•	10/14	1.0	1.0	52
Progeny 5321RY	64.8	•	•	10/15	1.3	1.0	43
GRAND MEAN	75.9	•	•	10/14	1.1	1.0	36
LSD (5%)	7.7	•	•	2	0.3	•	•
C.V.	6.3	•	•	10	18.9	•	•

Table 17. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Nidera N-Exp-58011	86.1	•	•	10/14	1.0	1.0	32
Pioneer 95Y71	85.2	•	•	10/16	1.0	1.0	35
Progeny 5711RY	83.6	•	•	10/16	1.0	1.0	33
Progeny 5811RY	82.7	•	•	10/14	1.0	1.0	37
Progeny 5610RY	81.7	74.6	•	10/15	1.0	1.0	29
Delta Grow 5656R2Y	80.7	•	•	10/14	1.0	1.0	38
Delta Grow 5625R2Y	80.5	•	•	10/15	1.0	1.0	36
REV® 57R21™	78.5	74.2	•	10/15	1.0	1.0	36
REV® 56R21™	77.7	73.2	•	10/14	1.0	1.0	36
REV® 56R63™	77.1	•	•	10/16	1.0	1.0	37
AGS 568RR	75.2	69.4	69.7	10/15	1.0	1.0	32
Syngenta S56-G6 Brand	74.3	•	•	10/16	1.0	1.0	33
AGS 597RR	74.0	71.4	71.0	10/15	1.0	1.0	34
USG 75J90R	73.8	69.8	•	10/16	1.0	1.0	37
ASGROW AG5632	73.4	•	•	10/14	1.0	1.0	34
USG 75Z98	73.4	71.7	71.9	10/16	1.0	1.0	36
Progeny 5655RY	70.9	•	•	10/13	1.0	1.0	40
ASGROW AG5832	63.3	•	•	10/17	1.0	1.0	51
GRAND MEAN	77.3	•	•	10/15	1.0	1.0	36
LSD (5%)	9.4	•	•	2	•	•	•
C.V.	7.3	•	•	9	•	•	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, 2011.

Soil Series Sharky silty clay
Previous Crop Corn
Row Width 38 inches
Planting Date 5/31
Herbicide Applications Valor + Metribuzin + Gramoxone, 6/1; Roundup 6/8;
 Flexstar + Select Max, 7/1
Irrigation Date 6/9, 7/14, 7/26, 8/2, 8/9, 8/22, 9/2, 9/12
Harvest Dates MG 4E, 10/15; MG 4L, 10/21; MG 5E, 10/23; MG 5L, 10/23

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2011	11.3	11.6	3.6	3.4	1.2	2.2	33.3
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	6.5	6.2	-0.5	-0.6	-1.2	-1.0	9.5

Table 18. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group IV Early (RM 4.0 to 4.6)							
Syngenta S42-T4 Brand	59.7	•	•	09/27	1.0	1.0	36
Armor 46-R42	59.5	•	•	10/01	1.0	1.0	28
HBK R4527	57.7	47.4	50.2	09/30	1.5	1.0	38
REV® 45R10™	55.5	43.5	51.0	09/29	1.0	1.0	42
USG 74C69	55.2	46.2	51.8	10/04	1.0	1.0	36
Progeny 4211RY	54.3	•	•	09/29	1.0	1.0	33
REV® 46R73™	53.8	•	•	09/29	1.0	1.0	37
Delta Grow 4670R2Y	53.7	•	•	10/05	1.0	1.0	35
S08-14087	53.5	•	•	09/29	1.0	1.0	34
Dyna-Gro 36C44	53.5	46.4	51.4	10/02	1.0	1.0	29
Schillinger 457.RCP	53.1	45.7	51.4	10/06	1.0	1.0	37
Armor X1204	52.6	•	•	09/29	1.0	1.0	30
Dyna-Gro 39RY43	52.4	•	•	09/28	1.0	1.0	30
ASGROW AG4531	51.9	46.5	•	10/02	1.0	1.0	34
HBK RY4620	51.3	46.1	•	10/05	1.0	1.0	29
ASGROW AG4632	51.2	•	•	10/05	1.0	1.0	37
Morsoy Xtra 46X71	51.0	•	•	09/29	1.0	1.0	34
ASGROW AG4232	50.5	•	•	09/30	1.0	1.0	34
Davis D-246RR2Y	50.4	•	•	10/04	1.0	1.0	32
Delta Grow 4460RR	50.3	•	•	09/29	1.0	1.0	36
Pioneer 94Y40	49.2	43.4	•	09/29	1.0	1.0	32
Syngenta S39-U2 Brand	49.1	•	•	09/27	1.0	1.0	31
Progeny 4611RY	49.0	•	•	10/04	1.0	1.0	35
Armor X1206	48.5	•	•	10/05	1.0	1.0	35
Syngenta S46-A1 Brand	48.3	•	•	09/30	1.0	1.0	32
Morsoy Xtra 46X29	47.5	42.3	•	10/05	1.0	1.0	32
REV® 44R22™	47.4	42.2	•	09/28	1.0	1.0	30
Willcross RY2460S	46.6	43.0	•	10/04	1.0	1.0	33
Schillinger 458.RCS	44.9	40.8	50.5	10/03	1.0	1.0	33
Dyna-Gro 31RY45	44.7	•	•	10/04	1.0	1.0	28
Progeny 4510RY	44.2	42.7	•	10/05	1.0	1.0	32
Dyna-Gro 35x43	41.6	40.1	•	09/27	1.0	1.0	34
GRAND MEAN	51.0	•	•	10/01	1.0	1.0	33
LSD (5%)	13.8	•	•	4	0.3	•	•
C.V.	13.3	•	•	6	12.3	•	•

Table 18. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Dyna-Gro 39D48	62.2	•	•	10/04	1.0	1.0	36
Schillinger 495.RC	61.1	49.9	57.8	10/06	1.0	1.0	50
REV® 47R53™	61.0	•	•	10/06	1.0	1.0	34
Armor 48-R40	60.8	•	•	10/05	1.0	1.0	32
Davis D-149RRCNS	59.3	51.2	•	10/06	1.0	1.0	42
Atlanta 1047RR2Y	58.5	•	•	10/06	1.0	1.0	36
Progeny 4750RR	57.5	48.5	•	10/08	1.0	1.0	42
ASGROW AG4932	57.1	•	•	10/09	1.0	1.0	37
Pioneer 94Y70	57.1	47.0	53.2	10/08	1.0	1.0	41
USG 74A79R	56.7	45.8	•	10/07	1.0	1.0	33
Willcross RY2481S	56.7	46.7	•	10/09	1.0	1.0	33
Delta Grow 4880RR	56.7	49.2	•	10/07	1.0	1.0	42
USG 74H81	56.7	•	•	10/07	1.0	1.0	42
REV® 48R33™	56.2	•	•	10/06	1.0	1.0	40
ASGROW AG4730	56.1	46.2	•	10/02	1.0	1.0	31
REV® 47R22™	55.9	47.2	•	10/07	1.0	1.0	36
Armor DK 4744	55.8	47.7	•	10/06	1.0	1.0	36
Delta Grow 4970RR	55.6	46.9	56.1	10/08	1.0	1.0	40
Delta Grow 4975RR	55.5	44.2	54.1	10/07	1.0	1.0	42
Eagle Seed ES4998	55.4	48.8	•	10/07	1.0	1.0	33
ASGROW AG4832	55.3	•	•	10/09	1.0	1.0	37
REV® 48R21™	55.3	45.6	•	10/10	1.0	1.0	36
Dyna-Gro 33G48	55.0	48.8	•	10/09	1.0	1.0	40
Morsoy Xtra 48X00	55.0	48.9	•	10/06	1.0	1.0	36
REV® 49R23™	54.8	•	•	10/07	1.0	1.0	47
Armor X1247	54.8	•	•	10/08	1.0	1.0	32
Morsoy 4824	54.6	45.8	54.5	10/07	1.0	1.0	41
Syngenta S47-R3 Brand	54.5	46.2	•	10/09	1.0	1.0	40
HBK RY4721	54.2	•	•	10/07	1.0	1.0	40
Progeny 4807RR	54.2	44.9	53.1	10/08	1.0	1.0	37
ASGROW AG4732	54.1	•	•	10/06	1.0	1.0	45
Armor X1209	53.8	•	•	10/04	1.0	1.0	42
Morsoy 4707	53.7	44.7	51.8	10/07	1.0	1.0	46
Schillinger 4990.RC	53.6	45.1	55.3	10/08	1.0	1.0	40
REV® 48R10™	53.5	46.1	53.1	10/08	1.0	1.0	40
Armor X1211	53.3	43.1	•	10/10	1.0	1.0	35
REV® 48R22™	53.3	46.8	•	09/29	1.0	1.0	34
Progeny 4710RY	53.2	•	•	10/05	1.0	1.0	36
Armor X1210	53.0	•	•	10/08	1.0	1.0	36
HBK R4924	52.8	45.7	52.4	10/10	1.0	1.0	43
Armor X1208	52.7	•	•	10/08	1.0	1.0	41
Eagle Seed ES4818	52.5	46.2	•	10/10	1.0	1.0	44
USG 74E88	52.4	43.9	48.5	09/28	1.0	1.0	29
USG 74A91	52.4	44.6	53.3	10/08	1.0	1.0	41

Table 18. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group IV Late (RM 4.7 to 4.9) Continued							
Delta Grow 4875R2Y	52.3	•	•	10/06	1.0	1.0	43
Morsoy Xtra 49X10	52.3	46.5	•	10/05	1.0	1.0	32
USG 74B81R	52.0	•	•	10/06	1.0	1.0	42
Willcross RR2878NS	51.9	46.3	49.2	09/30	1.0	1.0	36
REV® 49R43™	51.7	•	•	10/08	1.0	1.0	35
Houston 747RR	51.7	•	•	10/08	1.0	1.0	30
Davis D-147RRCNS	51.4	44.1	•	10/09	1.0	1.0	32
Morsoy Xtra 47X31	51.4	•	•	10/07	1.0	1.0	40
Delta Grow 4770RR	51.3	46.4	53.0	09/29	1.0	1.0	38
Progeny 4906RR	51.2	42.2	51.9	10/09	1.0	1.0	42
HBK R4829	51.2	45.6	•	10/08	1.0	1.0	37
Nashville 749RR	50.9	•	•	10/08	1.0	1.0	36
Syngenta S49-A5 Brand	50.8	•	•	10/06	1.0	1.0	41
REV® 49R11™	50.8	40.7	47.7	09/30	1.0	1.0	31
HBK R4830	50.6	•	•	10/08	1.0	1.0	43
Schillinger 478.RCS	50.6	44.8	54.3	10/07	1.0	1.0	37
REV® 49R22™	50.4	43.4	•	10/08	1.0	1.0	40
Willcross RR2477N	50.2	45.1	•	10/07	1.0	1.0	32
Pioneer 94Y81	50.2	•	•	10/07	1.0	1.0	36
Progeny 4911RY	49.5	•	•	10/01	1.0	1.0	42
Progeny 4811RY	49.5	•	•	10/06	1.0	1.0	40
Dyna-Gro 33RY47	49.4	•	•	10/07	1.0	1.0	37
Eagle Seed ES4777	49.2	45.6	53.8	10/05	1.0	1.0	34
Stine 48RC32	49.2	•	•	10/08	1.0	1.0	35
HBK R4729	48.4	43.9	50.7	10/06	1.0	1.0	33
REV® 49R10™	48.4	40.4	50.7	10/08	1.0	1.0	51
USG 7495nRS	46.2	40.3	50.4	10/07	1.0	1.0	36
Morsoy 4955	45.8	38.2	48.6	10/09	1.0	1.0	34
GRAND MEAN	53.5	•	•	10/07	1.0	1.0	38
LSD (5%)	7.1	•	•	4	•	•	•
C.V.	8.2	•	•	7	•	•	•

Table 18. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Armor 55-R22	66.1	•	•	10/11	1.0	1.0	34
Delta Grow 5555RR	65.0	54.7	60.8	10/12	1.0	1.0	38
Dyna-Gro 35P53	64.9	54.9	•	10/09	1.0	1.0	32
ASGROW AG5332	64.7	•	•	10/10	1.0	1.0	38
Dyna-Gro 32RY55	63.2	•	•	10/11	1.0	1.0	28
ASGROW AG5232	63.1	•	•	10/09	1.0	1.0	35
Delta Grow 5252R2Y	62.1	•	•	10/09	1.0	1.0	30
Armor DK 5363	62.0	51.3	54.9	10/13	1.0	1.0	33
HBK R5529	61.7	49.7	•	10/10	1.0	1.0	29
Delta Grow 5565R2Y	61.6	•	•	10/11	1.0	1.0	38
Pioneer 95Y40	60.6	48.9	57.4	10/10	1.0	1.0	31
REV® 51R53™	60.6	•	•	10/09	1.0	1.0	33
Dyna-Gro 35F55	60.6	51.2	58.9	10/11	1.0	1.0	36
Morsoy 5429	60.3	50.1	59.2	10/09	1.0	1.0	40
Schillinger 557.RC	60.1	50.5	•	10/11	1.0	1.0	34
HBK RY5421	60.0	•	•	10/09	1.0	1.0	23
USG 75Z38	60.0	48.2	•	10/09	1.0	1.0	37
REV® 54R10™	59.9	48.6	57.0	10/09	1.0	1.0	36
HBK RY5221	59.7	•	•	10/09	1.0	1.0	37
Armor X1255	59.7	•	•	10/11	1.0	1.0	30
Croplan R2C5360	59.3	•	•	10/06	1.0	1.0	26
Armor X1216	59.3	•	•	10/06	1.0	1.0	29
REV® 55R21™	59.3	51.2	•	10/12	1.0	1.0	27
Progeny 5330RR	58.8	52.7	•	10/09	1.0	1.0	35
R04-1268RR	58.8	•	•	10/11	1.0	1.0	34
Syngenta S51-J3 Brand	58.6	•	•	10/09	1.0	1.0	32
Willcross RR2544NS	58.4	48.2	54.6	10/09	1.0	1.0	31
Nidera N-Exp-55011	58.1	•	•	10/10	1.0	1.0	26
R06-2082RR	58.0	•	•	10/11	1.0	1.0	23
Armor X1217	58.0	•	•	10/08	1.0	1.0	31
Schillinger 5220.RC	57.9	•	•	10/09	1.0	1.0	40
Delta Grow 5275R2Y	57.9	•	•	10/09	1.0	1.0	33
Morsoy Xtra 54X41	57.9	•	•	10/11	1.0	1.0	38
Delta Grow 5300RR/STS	57.7	•	•	10/10	1.0	1.0	24
Progeny 5111RY	57.2	•	•	10/08	1.0	1.0	32
Morsoy 5168	57.0	46.3	55.0	10/08	1.0	1.0	39
Armor X1213	56.9	•	•	10/09	1.0	1.0	29
HBK R5525	56.5	47.2	54.3	10/11	1.0	1.0	29
USG 7553nRS	56.4	46.2	54.5	10/09	1.0	1.0	34
Eagle Seed ES5507	56.4	48.8	55.2	10/12	1.0	1.0	44
Morsoy Xtra 51X31	56.4	•	•	10/09	1.0	1.0	34
Delta Grow 5545RR	56.4	•	•	10/12	1.0	1.0	34
Armor X1215	56.4	•	•	10/12	1.0	1.0	34

Table 18. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
Maturity Group V Early (RM 5.0 to 5.5) Continued							
Dyna-Gro 37RY52	56.3	46.0	•	10/09	1.0	1.0	31
Progeny 5210RY	56.2	48.3	•	10/09	1.0	1.0	34
Armor X1253	56.0	•	•	10/11	1.0	1.0	28
Armor 53-R15	55.8	45.3	•	10/10	1.0	1.0	34
Delta Grow 5280RR	55.2	45.6	54.8	10/10	1.0	1.0	35
HBK R5226	55.0	47.2	55.0	10/11	1.0	1.0	28
Willcross RR2547N	54.8	48.2	52.9	10/10	1.0	1.0	46
AGS 554 RR	54.7	46.0	52.8	10/12	1.0	1.0	35
HBK RY5121	54.7	•	•	10/11	1.0	1.0	31
USG 75B21R	54.5	•	•	10/08	1.0	1.0	32
Syngenta S51-T8 Brand	54.2	•	•	10/09	1.0	1.0	36
HBK RY5220	53.1	44.5	•	10/10	1.0	1.0	28
HBK RY5521	53.1	•	•	10/10	1.0	1.0	36
ASGROW AG5532	52.9	•	•	10/09	1.0	1.0	32
R04-1250RR	52.7	•	•	10/10	1.0	1.0	29
Morsoy Xtra 53X51	52.2	•	•	10/11	1.0	1.0	42
Willcross RR2507NS	51.5	40.6	•	10/07	1.0	1.0	44
Morsoy 5388	50.8	43.0	52.3	10/07	1.0	1.0	30
Delta Grow 5160RR/STS	50.6	•	•	10/08	1.0	1.0	41
USG 75R31R	50.6	•	•	10/08	1.0	1.0	42
Delta Grow 5110R2Y	49.7	•	•	10/03	1.0	1.0	45
Progeny 5321RY	48.7	•	•	10/08	1.0	1.0	47
Nidera N-Exp-52011	41.9	•	•	10/08	1.0	1.0	36
GRAND MEAN	57.2	•	•	10/09	1.0	1.0	34
LSD (5%)	6.9	•	•	3	•	•	•
C.V.	6.0	•	•	3	•	•	•

Table 18. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
AGS 597RR	69.4	57.1	63.9	10/12	1.0	1.0	47
REV® 56R21™	64.8	53.5	•	10/11	1.0	1.0	42
Progeny 5610RY	64.2	54.1	•	10/11	1.0	1.0	39
USG 75Z98	63.5	52.9	59.4	10/12	1.0	1.0	36
REV® 56R63™	62.4	•	•	10/11	1.0	1.0	39
AGS 568RR	62.2	51.6	57.7	10/11	1.0	1.0	31
REV® 57R21™	61.1	49.7	•	10/10	1.0	1.0	43
Delta Grow 5625R2Y	60.7	•	•	10/11	1.0	1.0	38
Progeny 5711RY	60.4	•	•	10/11	1.0	1.0	37
Pioneer 95Y71	60.4	•	•	10/11	1.0	1.0	37
Progeny 5811RY	59.7	•	•	10/09	1.0	1.0	36
USG 75J90R	58.7	49.7	•	10/10	1.0	1.0	30
ASGROW AG5632	56.7	•	•	10/09	1.0	1.0	37
Nidera N-Exp-58011	56.6	•	•	10/09	1.0	1.0	30
ASGROW AG5832	55.8	•	•	10/10	1.0	1.0	51
Delta Grow 5656R2Y	55.8	•	•	10/10	1.0	1.0	34
Syngenta S56-G6 Brand	55.2	•	•	10/12	1.0	1.0	30
Progeny 5655RY	54.2	•	•	10/11	1.0	1.0	40
GRAND MEAN	60.1	•	•	10/11	1.0	1.0	38
LSD (5%)	6.7	•	•	2	•	•	•
C.V.	6.7	•	•	13	•	•	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, 2011.

Soil Series Sharky silty clay
Previous Crop Corn
Row Width 38 inches
Planting Date 6/1
Herbicide Applications Valor + Metribuzin + Gramoxone, 6/1; Roundup 6/8;
 Flexstar + Select Max, 7/1
Harvest Dates MG 4E, 10/6; MG 4L, 10/14; MG 5E, 10/21; MG 5L, 10/21

	Precipitation (inches)						Total
	April	May	June	July	August	Sept.	
2011	11.3	11.6	3.6	3.4	1.2	2.2	33.3
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	6.5	6.2	-0.5	-0.6	-1.2	-1.0	9.5

Table 19. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group IV Early (RM 4.0 to 4.6)							
Progeny 4211RY	69.8	•	•	10/21	1.0	1.0	37
Delta Grow 4670R2Y	65.2	•	•	10/21	1.0	1.0	42
Armor X1206	64.6	•	•	10/21	1.3	1.0	40
Dyna-Gro 39RY43	64.2	•	•	10/22	1.0	1.0	38
Dyna-Gro 36C44	64.0	70.4	69.4	10/21	1.7	1.0	36
ASGROW AG4632	63.5	•	•	10/22	1.0	1.0	42
ASGROW AG4232	62.7	•	•	10/21	1.3	1.0	36
Armor X1204	62.2	•	•	10/21	1.0	1.0	42
Morsoy Xtra 46X29	62.1	63.4	•	10/21	1.3	1.0	38
Progeny 4611RY	61.7	•	•	10/20	1.7	1.0	36
Dyna-Gro 31RY45	61.6	•	•	10/20	1.3	1.0	38
REV® 46R73™	61.3	•	•	10/21	1.0	1.0	39
Armor 46-R42	61.3	•	•	10/21	1.0	1.0	36
Morsoy Xtra 46X71	61.2	•	•	10/22	1.0	1.0	39
Progeny 4510RY	61.1	64.5	•	10/20	1.3	1.0	36
REV® 44R22™	61.0	68.0	•	10/22	1.0	1.3	36
ASGROW AG4531	60.9	63.6	•	10/22	1.0	1.0	37
Davis D-246RR2Y	60.7	•	•	10/22	1.3	1.0	42
Delta Grow 4460RR	60.7	•	•	10/22	1.0	1.0	48
HBK RY4620	60.3	65.1	•	10/21	1.0	1.0	37
Schillinger 458.RCS	59.0	67.5	67.7	10/21	1.0	1.0	43
Dyna-Gro 35x43	58.5	69.4	•	10/20	1.0	1.0	38
Pioneer 94Y40	58.4	66.8	•	10/22	1.5	1.0	33
Willcross RY2460S	58.0	67.8	•	10/22	1.0	1.0	33
REV® 45R10™	57.8	65.2	65.0	10/21	1.0	1.0	46
Syngenta S46-A1 Brand	57.7	•	•	10/22	1.0	1.3	41
Syngenta S39-U2 Brand	57.5	•	•	10/22	1.7	1.0	36
Syngenta S42-T4 Brand	57.1	•	•	10/21	1.0	1.0	35
Schillinger 457.RCP	56.2	63.2	63.8	10/21	1.0	1.0	39
S08-14087	54.3	•	•	10/21	1.3	1.0	47
HBK R4527	51.5	52.7	58.2	10/21	1.0	1.0	50
USG 74C69	48.0	55.7	59.9	10/21	1.3	1.0	41
GRAND MEAN	60.1	•	•	10/21	1.2	1.0	39
LSD (5%)	6.6	•	•	1	0.6	0.2	•
C.V.	6.7	•	•	4	31.6	14.8	•

Table 19. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
ASGROW AG4832	69.6	•	•	10/21	1.0	1.0	38
Progeny 4710RY	67.4	•	•	10/21	1.0	1.0	41
Dyna-Gro 33RY47	66.1	•	•	10/21	1.0	1.3	32
REV® 48R22™	65.9	72.6	•	10/21	1.0	1.0	41
REV® 49R11™	65.7	69.4	65.2	10/21	1.0	1.0	36
Armor X1210	65.5	•	•	10/21	1.0	1.0	42
REV® 49R10™	65.1	69.5	71.0	10/20	1.0	1.3	40
Houston 747RR	64.9	•	•	10/21	1.0	1.0	46
REV® 48R33™	64.8	•	•	10/20	1.0	1.0	38
Morsoy 4824	64.6	67.9	71.4	10/21	1.0	1.0	41
Armor X1247	64.6	•	•	10/20	1.0	1.0	37
USG 74H81	63.9	•	•	10/20	1.0	1.0	40
Atlanta 1047RR2Y	63.8	•	•	10/21	1.0	1.0	36
REV® 49R22™	63.7	68.2	•	10/20	1.0	1.0	38
Delta Grow 4770RR	63.7	69.2	70.1	10/21	1.0	1.0	36
HBK RY4721	63.6	•	•	10/21	1.0	1.0	38
Progeny 4750RR	63.6	71.9	•	10/22	1.3	1.0	38
Progeny 4811RY	63.5	•	•	10/20	1.0	1.0	40
Delta Grow 4970RR	63.3	70.2	68.7	10/20	1.0	1.0	41
Willcross RR2477N	62.9	70.4	•	10/21	1.0	1.0	38
Morsoy Xtra 48X00	62.9	66.7	•	10/21	1.3	1.0	40
Pioneer 94Y70	62.9	66.7	66.8	10/21	1.3	1.0	42
USG 74B81R	62.8	•	•	10/21	1.0	1.0	41
Nashville 749RR	62.5	•	•	10/22	1.0	1.0	37
Armor 48-R40	62.4	•	•	10/20	1.0	1.0	38
ASGROW AG4732	62.4	•	•	10/19	1.0	1.0	43
HBK R4829	62.3	68.2	•	10/23	1.0	1.0	38
REV® 47R22™	62.2	67.5	•	10/21	2.0	1.0	42
Armor X1208	62.2	•	•	10/21	1.0	1.3	38
Schillinger 495.RC	62.2	64.4	67.3	10/20	1.0	1.0	40
USG 74A79R	62.1	64.8	•	10/21	1.0	1.0	37
Morsoy Xtra 49X10	61.8	67.2	•	10/21	1.0	1.0	40
Davis D-149RRCNS	61.8	67.7	•	10/20	1.5	1.0	50
Dyna-Gro 39D48	61.7	•	•	10/20	1.3	1.0	37
Willcross RY2481S	61.6	65.5	•	10/20	1.0	1.0	38
Syngenta S49-A5 Brand	61.6	•	•	10/20	1.0	1.0	50
USG 7495nRS	61.5	61.4	65.4	10/21	1.0	1.0	40
Morsoy Xtra 47X31	61.5	•	•	10/21	1.0	1.0	42
ASGROW AG4730	61.4	65.8	•	10/21	1.0	1.0	40
Progeny 4807RR	61.2	69.9	70.6	10/21	1.0	1.0	42
Davis D-147RRCNS	61.0	67.1	•	10/20	1.0	1.0	41
Eagle Seed ES4998	61.0	67.5	•	10/20	1.3	1.0	40
Syngenta S47-R3 Brand	60.9	63.7	•	10/22	1.0	1.0	42

Table 19. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group IV Late (RM 4.7 to 4.9) Continued							
Delta Grow 4875R2Y	60.6	•	•	10/21	2.0	1.0	40
Eagle Seed ES4818	60.5	66.4	•	10/21	1.0	1.0	39
USG 74E88	60.5	63.1	60.5	10/22	1.0	1.0	36
Armor X1209	60.4	•	•	10/22	1.0	1.0	40
Willcross RR2878NS	60.1	67.4	64.4	10/21	1.0	1.0	39
Morsoy 4955	59.8	61.6	64.6	10/21	1.3	1.0	38
Delta Grow 4880RR	59.7	68.6	•	10/20	1.3	1.0	36
ASGROW AG4932	59.7	•	•	10/21	1.0	1.0	34
REV® 47R53™	59.6	•	•	10/21	1.0	1.0	38
Schillinger 478.RCS	59.1	63.2	65.9	10/21	1.0	1.0	40
REV® 48R21™	59.1	61.1	•	10/20	1.3	1.0	40
Pioneer 94Y81	58.9	•	•	10/20	1.0	1.0	44
Morsoy 4707	58.9	65.6	66.7	10/21	1.0	1.0	36
HBK R4924	58.8	66.6	63.2	10/22	1.0	1.0	44
USG 74A91	58.5	65.6	65.7	10/21	1.0	1.0	44
HBK R4830	58.3	•	•	10/21	1.0	1.3	40
Armor X1211	58.2	60.6	•	10/21	1.0	1.0	46
Eagle Seed ES4777	58.1	64.7	66.6	10/21	1.0	1.0	42
Progeny 4911RY	57.8	•	•	10/21	1.0	1.0	43
Progeny 4906RR	57.8	63.7	67.2	10/21	1.0	1.0	44
Stine 48RC32	57.8	•	•	10/20	1.0	1.0	41
Schillinger 4990.RC	57.5	68.2	70.2	10/21	1.0	1.0	42
Dyna-Gro 33G48	57.4	65.8	•	10/21	1.0	1.0	38
REV® 49R43™	56.8	•	•	10/20	1.0	1.0	44
Armor DK 4744	56.2	62.7	•	10/21	1.0	1.0	36
REV® 48R10™	55.9	63.0	64.6	10/21	1.0	1.0	42
Delta Grow 4975RR	55.6	61.4	65.2	10/21	1.0	1.0	36
HBK R4729	50.2	55.0	59.5	10/22	1.0	1.0	40
REV® 49R23™	50.0	•	•	10/21	1.0	1.0	37
GRAND MEAN	61.1	•	•	10/21	1.1	1.0	40
LSD (5%)	7.3	•	•	2	0.4	0.2	•
C.V.	7.4	•	•	7	21.9	13.5	•

Table 19. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
ASGROW AG5332	64.8	•	•	10/21	1.0	1.0	44
Willcross RR2547N	63.9	68.3	66.3	10/22	1.0	1.0	48
Willcross RR2544NS	62.3	65.9	67.4	10/20	1.0	1.0	38
Delta Grow 5252R2Y	61.5	•	•	10/22	1.3	1.0	44
Syngenta S51-J3 Brand	61.2	•	•	10/22	1.0	1.3	40
Schillinger 5220.RC	61.2	•	•	10/22	1.0	1.0	38
HBK RY5421	60.6	•	•	10/21	1.5	1.0	42
Armor X1253	60.0	•	•	10/21	1.0	1.0	44
Delta Grow 5565R2Y	59.7	•	•	10/22	1.0	1.0	40
Armor X1255	59.3	•	•	10/22	1.0	1.0	40
Delta Grow 5275R2Y	59.2	•	•	10/22	1.0	1.0	33
HBK RY5121	59.1	•	•	10/22	1.7	1.0	41
Armor 53-R15	58.7	67.1	•	10/22	1.3	1.0	34
Delta Grow 5160RR/STS	58.6	•	•	10/20	1.3	1.0	41
HBK RY5521	58.6	•	•	10/21	1.3	1.0	45
Armor X1213	58.6	•	•	10/22	1.3	1.0	39
Morsoy 5429	58.5	65.7	69.2	10/20	1.0	1.0	40
Progeny 5210RY	58.2	66.6	•	10/22	1.7	1.0	32
Nidera N-Exp-52011	58.2	•	•	10/21	1.3	1.0	49
HBK RY5220	57.9	63.5	•	10/22	1.0	1.0	49
Delta Grow 5110R2Y	57.6	•	•	10/21	1.0	1.0	40
HBK RY5221	57.5	•	•	10/22	1.0	1.0	41
Morsoy 5168	57.3	61.1	61.7	10/21	1.0	1.0	42
REV® 51R53™	57.2	•	•	10/21	1.0	1.0	40
ASGROW AG5232	57.0	•	•	10/22	1.0	1.0	48
USG 75B21R	56.8	•	•	10/22	1.0	1.0	34
Morsoy 5388	56.8	63.4	65.5	10/20	1.0	1.0	41
Pioneer 95Y40	56.7	62.8	66.4	10/20	1.0	1.0	37
USG 7553nRS	56.7	61.0	64.3	10/21	1.0	1.0	40
Nidera N-Exp-55011	56.4	•	•	10/20	1.3	1.0	31
Armor X1217	56.3	•	•	10/20	1.0	1.0	42
Schillinger 557.RC	56.1	61.8	•	10/21	1.0	1.0	40
Dyna-Gro 32RY55	56.1	•	•	10/21	1.3	1.0	41
Willcross RR2507NS	56.1	62.2	•	10/21	1.3	1.0	38
ASGROW AG5532	55.8	•	•	10/21	1.3	1.3	42
Dyna-Gro 37RY52	55.6	64.4	•	10/20	1.0	1.0	36
Delta Grow 5300RR/STS	55.5	•	•	10/21	1.3	1.0	41
Morsoy Xtra 54X41	55.3	•	•	10/21	1.0	1.0	40
Progeny 5111RY	54.8	•	•	10/21	1.0	1.0	40
Delta Grow 5555RR	54.6	62.5	63.9	10/21	1.7	1.3	32
USG 75R31R	54.2	•	•	10/21	1.3	1.0	41
HBK R5529	54.1	60.8	•	10/20	1.3	1.0	38
HBK R5525	53.7	61.7	62.5	10/21	1.0	1.3	40

Table 19. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>							
Progeny 5321RY	53.7	•	•	10/22	1.0	1.0	40
Armor 55-R22	53.1	•	•	10/20	1.3	1.0	38
Delta Grow 5280RR	52.4	62.7	64.4	10/22	1.0	1.0	36
R04-1268RR	52.2	•	•	10/21	1.0	1.0	41
AGS 554 RR	51.8	63.4	65.5	10/22	1.0	1.0	40
Syngenta S51-T8 Brand	51.4	•	•	10/21	1.0	1.0	41
Armor DK 5363	51.4	58.2	61.3	10/20	1.3	1.0	41
Armor X1216	50.4	•	•	10/23	1.0	1.0	36
Delta Grow 5545RR	50.4	•	•	10/20	1.0	1.0	40
Progeny 5330RR	50.3	65.1	•	10/22	1.0	1.0	40
HBK R5226	50.2	60.8	62.5	10/20	2.0	1.0	32
USG 75Z38	50.1	63.3	•	10/21	1.0	1.0	36
Croplan R2C5360	50.0	•	•	10/20	1.3	1.0	36
R04-1250RR	49.6	•	•	10/21	1.0	1.0	38
Eagle Seed ES5507	49.3	60.4	61.7	10/21	1.0	1.3	39
Morsoy Xtra 51X31	48.9	•	•	10/19	1.3	1.0	40
Morsoy Xtra 53X51	48.0	•	•	10/22	1.0	1.0	41
Armor X1215	47.7	•	•	10/20	1.0	1.0	41
R06-2082RR	47.4	•	•	10/21	1.0	1.0	40
Dyna-Gro 35P53	46.2	57.9	•	10/21	1.0	1.0	41
REV® 55R21™	45.9	56.3	•	10/21	1.0	1.3	44
Dyna-Gro 35F55	45.8	56.2	58.3	10/20	1.0	1.0	40
REV® 54R10™	45.5	58.9	60.7	10/21	1.0	1.0	42
GRAND MEAN	55.0	•	•	10/21	1.1	1.0	40
LSD (5%)	7.2	•	•	2	0.6	0.3	•
C.V.	8.1	•	•	6	34.6	17.2	•

Table 19. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Progeny 5610RY	63.3	72.0	•	10/21	1.0	1.0	38
AGS 568RR	60.0	64.8	66.1	10/20	1.0	1.0	36
Progeny 5811RY	60.0	•	•	10/21	1.0	1.0	36
Progeny 5711RY	59.5	•	•	10/21	1.3	1.0	38
Progeny 5655RY	59.2	•	•	10/20	1.3	1.0	38
REV® 57R21™	58.6	65.1	•	10/20	1.0	1.0	40
Pioneer 95Y71	58.5	•	•	10/20	1.0	1.0	30
Delta Grow 5656R2Y	57.7	•	•	10/19	1.0	1.0	40
ASGROW AG5632	57.5	•	•	10/21	1.7	1.0	37
REV® 56R63™	57.4	•	•	10/21	1.0	1.0	38
AGS 597RR	56.9	67.9	68.2	10/21	1.0	1.0	36
Delta Grow 5625R2Y	56.5	•	•	10/21	1.0	1.0	38
USG 75J90R	56.5	62.2	•	10/20	1.0	1.0	36
Nidera N-Exp-58011	56.3	•	•	10/21	1.0	1.3	41
ASGROW AG5832	53.8	•	•	10/22	1.3	1.0	38
REV® 56R21™	53.4	61.4	•	10/20	1.0	1.0	36
Syngenta S56-G6 Brand	52.2	•	•	10/21	1.0	1.0	40
USG 75Z98	52.1	64.2	63.7	10/21	1.3	1.0	39
GRAND MEAN	57.2	•	•	10/21	1.1	1.0	38
LSD (5%)	8.8	•	•	2	0.5	0.2	•
C.V.	9.3	•	•	6	26.7	13.4	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, 2011.

Soil Series Sharkey silty clay
Previous Crop Corn
Row Width Four 7.5-inch rows on two 38-inch beds
Planting Date 6/23
Herbicide Applications Valor + Metribuzin + Gramoxone, 6/24
Irrigation Dates 7/26, 7/29, 8/1, 8/8, 8/10, 8/25, 8/30, 9/12
Harvest Dates MG 4E, 11/7; MG 4L, 11/7; MG 5E, 11/8; MG 5L, 11/8

	Precipitation (inches)						Total
	April	May	June	July	August	Sept.	
2011	11.3	11.6	3.6	3.4	1.2	2.2	33.3
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	6.5	6.2	-0.5	-0.6	-1.2	-1.0	9.5

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2011¹.

Variety/Experimental Line	2011	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
ASGROW AG5232	64.3	•	•	09/27	2.0	2.0	30
Delta Grow 5252R2Y	62.9	•	•	09/25	1.0	1.3	29
ASGROW AG5332	61.5	•	•	09/29	2.3	1.3	41
Armor X1217	59.7	•	•	09/26	1.3	1.0	32
Delta Grow 5275R2Y	59.6	•	•	09/27	1.3	1.0	33
Willcross RR2544NS	59.1	58.3	54.9	09/27	1.3	1.0	38
Delta Grow 5160RR/STS	58.6	•	•	09/29	2.7	1.7	44
USG 75B21R	58.4	•	•	09/26	1.7	1.0	36
ASGROW AG5532	58.3	•	•	09/26	1.7	1.3	33
Armor X1215	58.1	•	•	10/04	2.0	1.3	39
Progeny 5111RY	57.9	•	•	09/24	1.7	1.0	43
Delta Grow 5300RR/STS	56.4	•	•	09/27	1.3	1.7	39
Armor 53-R15	56.3	58.4	•	09/28	1.7	1.0	34
HBK R5529	56.1	58.8	•	09/30	1.0	1.0	30
Progeny 5210RY	56.0	57.1	•	09/28	1.3	1.0	30
Pioneer 95Y40	55.9	58.5	55.5	09/27	1.0	1.0	32
Delta Grow 5545RR	55.7	•	•	10/03	1.7	1.3	39
Schillinger 557.RC	55.0	56.7	•	09/29	1.0	1.0	34
Morsoy Xtra 51X31	54.9	•	•	09/22	1.3	1.7	39
Schillinger 5220.RC	54.5	•	•	10/01	1.7	1.7	43
Progeny 5321RY	54.3	•	•	09/29	2.7	2.0	57
Syngenta S51-T8 Brand	54.2	•	•	09/30	2.0	1.3	45
Armor DK 5363	53.8	54.0	54.4	10/03	2.0	1.7	37
REV® 54R10™	53.8	55.1	55.1	09/30	3.7	1.7	37
Progeny 5330RR	53.6	54.6	•	09/28	2.7	1.7	33
REV® 51R53™	53.6	•	•	10/01	2.0	1.3	42
Syngenta S51-J3 Brand	53.5	•	•	09/25	1.0	1.0	31
Eagle Seed ES5507	53.4	52.6	51.9	10/05	2.3	1.3	40
R04-1268RR	52.9	•	•	09/30	1.5	2.0	33
HBK R5226	52.7	53.7	55.1	10/02	2.0	1.0	42
Dyna-Gro 37RY52	52.5	55.4	•	09/28	2.0	1.3	36
Willcross RR2507NS	52.3	58.1	•	09/26	2.3	1.7	47
Armor X1253	52.1	•	•	09/28	1.9	1.0	33
Delta Grow 5280RR	52.0	52.2	52.5	10/03	2.7	1.3	37
Morsoy Xtra 53X51	51.7	•	•	10/04	2.5	1.0	36
Croplan R2C5360	51.5	•	•	09/23	1.0	1.7	30
USG 7553nRS	51.4	54.0	51.8	09/29	1.3	1.7	39
Armor X1213	51.3	•	•	09/29	2.0	1.0	33
Morsoy 5429	51.2	57.4	56.8	10/02	1.7	1.3	38
Morsoy 5168	51.1	52.8	49.4	09/29	2.3	1.7	52
Dyna-Gro 35F55	50.9	51.9	50.5	10/02	3.3	1.3	33
Armor X1216	50.6	•	•	09/24	1.7	1.0	31
HBK RY5521	50.3	•	•	09/29	1.0	1.5	35

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2011¹, Continued.

Variety/Experimental Line	2011	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group V Early (RM 5.0 to 5.5) Continued							
Armor X1255	49.9	•	•	09/28	1.3	1.3	34
AGS 554 RR	49.9	51.0	49.1	09/30	1.0	1.7	33
Armor 55-R22	49.9	•	•	09/29	1.3	1.3	28
Morsoy Xtra 54X41	49.5	•	•	09/28	1.3	1.0	36
USG 75Z38	48.9	48.2	•	10/03	1.3	1.3	38
Morsoy 5388	48.7	52.1	56.2	09/23	2.0	2.0	41
Nidera N-Exp-55011	48.7	•	•	09/28	1.0	1.0	27
USG 75R31R	48.7	•	•	09/30	2.7	1.7	53
Dyna-Gro 32RY55	48.5	•	•	09/29	2.7	1.0	33
Delta Grow 5555RR	47.9	50.5	50.5	10/02	2.7	1.3	41
Nidera N-Exp-52011	47.1	•	•	09/28	3.0	1.3	44
HBK RY5220	47.0	50.6	•	09/26	1.7	1.0	32
Delta Grow 5565R2Y	46.7	•	•	09/28	1.3	1.3	32
Delta Grow 5110R2Y	45.9	•	•	09/23	2.3	1.3	50
REV® 55R21™	45.8	50.4	•	10/04	1.0	1.3	38
R04-1250RR	45.8	•	•	09/29	1.0	1.0	31
HBK R5525	45.6	48.4	49.6	10/01	1.0	1.7	33
HBK RY5221	45.5	•	•	09/27	3.0	1.5	44
Dyna-Gro 35P53	45.1	50.7	•	09/30	1.4	1.5	34
R06-2082RR	44.7	•	•	09/28	1.7	1.0	31
HBK RY5421	43.5	•	•	09/26	2.0	1.0	32
HBK RY5121	43.5	•	•	09/27	2.5	1.0	33
Willcross RR2547N	42.2	48.9	48.7	10/02	2.0	1.3	54
GRAND MEAN	52.2	•	•	09/29	1.8	1.3	37
LSD (5%)	8.6	•	•	3	1.1	0.7	•
C.V.	10.2	•	•	6	36.9	33.3	•

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2011¹, Continued.

Variety/Experimental Line	2011	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
REV® 57R21™	50.8	53.4	•	09/28	2.3	1.0	43
REV® 56R63™	50.7	•	•	10/03	3.3	1.3	37
USG 75Z98	49.5	52.1	52.9	10/04	2.7	1.0	31
AGS 597RR	49.0	53.3	54.2	10/03	2.0	1.7	34
Progeny 5655RY	48.3	•	•	09/27	1.3	1.3	42
ASGROW AG5832	47.7	•	•	10/01	3.3	1.3	51
Delta Grow 5656R2Y	47.1	•	•	09/28	1.0	1.3	37
AGS 568RR	47.0	52.3	52.5	10/01	1.0	1.7	35
Progeny 5610RY	45.4	52.4	•	09/27	1.3	1.3	39
Syngenta S56-G6 Brand	45.3	•	•	09/30	1.0	1.3	29
REV® 56R21™	45.1	50.9	•	09/25	3.3	1.7	33
ASGROW AG5632	44.9	•	•	09/28	1.7	1.0	43
Pioneer 95Y71	44.3	•	•	09/28	1.7	2.0	38
Progeny 5811RY	43.9	•	•	09/28	2.0	1.3	33
Nidera N-Exp-58011	42.5	•	•	09/26	1.0	1.7	32
USG 75J90R	40.2	49.2	•	09/26	1.3	1.0	34
Progeny 5711RY	39.4	•	•	09/26	1.3	1.3	32
Delta Grow 5625R2Y	38.5	•	•	09/25	1.0	1.3	35
GRAND MEAN	45.5	•	•	09/29	1.8	1.4	37
LSD (5%)	7.7	•	•	3	0.9	0.8	•
C.V.	10.2	•	•	6	30.6	35.8	•

¹The results of the MG 4 tests were not reported due to poor stands and a lack of uniformity.

²Average Yield for 2010 and 2011.

³Average Yield for 2009, 2010, 2011.

Soil Series	Calloway silt loam
Soil pH	7.2
Previous Crop	Soybean
Row Width	30 inches
Fertilizer Applied	0-100-100, 4/1
Planting Date	5/31
Herbicide Applications	Valor + Gramoxone, 6/2; Roundup + Prefix, 6/15; Blazer + Storm + Select, 7/5
Insecticide Applications	Belt + Brigade, 8/3
Irrigation Dates	6/20, 7/1, 7/14, 7/21, 7/28, 8/4, 8/31
Harvest Dates	MG 4E, 10/11; MG 4L, 10/20; MG 5E, 10/21; MG 5L, 10/21

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2011	13.6	5.9	2.5	4.4	3.4	2.2	32.0
Average	5.0	5.1	3.9	3.8	2.6	2.5	23.0
Departure	8.6	0.8	-1.4	0.6	0.8	-0.3	9.0

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>							
Pioneer 94Y40	74.7	66.5	•	9/21	1.3	1.0	30
Progeny 4211RY	72.7	•	•	9/12	1.0	1.0	35
Dyna-Gro 39RY43	71.8	•	•	9/13	2.0	1.0	35
Armor 46-R42	70.4	•	•	9/16	1.0	1.3	32
Progeny 4510RY	69.7	66.5	•	9/22	1.3	1.0	36
Dyna-Gro 35x43	69.4	62.8	•	9/21	1.5	1.0	39
Willcross RY2460S	69.4	63.4	•	9/22	0.9	1.0	39
ASGROW AG4632	69.3	•	•	9/23	1.0	1.0	36
Armor X1204	68.4	•	•	9/14	1.0	1.3	33
Armor X1206	68.2	•	•	9/22	1.0	1.0	36
Progeny 4611RY	67.2	•	•	9/21	1.0	1.0	35
Morsoy Xtra 46X29	67.1	63.0	•	9/22	1.0	1.0	36
REV® 46R73™	66.9	•	•	9/18	2.3	1.0	37
Delta Grow 4670R2Y	66.8	•	•	9/21	1.0	1.0	34
Morsoy Xtra 46X71	66.2	•	•	9/22	1.0	1.0	32
Davis D-246RR2Y	65.6	•	•	9/22	1.7	1.3	37
ASGROW AG4232	65.6	•	•	9/15	1.4	1.0	43
Schillinger 457.RCP	65.3	55.0	59.5	9/18	1.9	1.5	46
Dyna-Gro 36C44	65.2	59.3	62.5	9/21	1.0	2.0	30
Syngenta S39-U2 Brand	65.0	•	•	9/12	1.7	1.3	32
Dyna-Gro 31RY45	64.9	•	•	9/21	1.3	1.3	29
Syngenta S46-A1 Brand	64.8	•	•	9/20	1.7	1.3	40
Schillinger 458.RCS	64.1	58.9	62.5	9/22	1.0	1.3	33
HBK RY4620	63.0	62.4	•	9/23	1.0	1.0	35
Syngenta S42-T4 Brand	62.0	•	•	9/15	1.3	1.3	38
ASGROW AG4531	61.7	62.3	•	9/21	1.0	1.3	36
Delta Grow 4460RR	61.7	•	•	9/21	1.3	1.0	35
REV® 45R10™	60.5	56.1	•	9/21	1.7	1.3	40
REV® 44R22™	58.1	55.8	•	9/14	1.0	1.3	33
S08-14087	56.1	•	•	9/22	2.0	1.0	49
USG 74C69	55.9	54.0	•	9/22	2.7	1.0	38
HBK R4527	52.2	53.2	58.5	9/18	2.7	1.0	40
GRAND MEAN	65.3	•	•	9/19	1.4	1.2	36
LSD (5%)	5.3	•	•	3	0.6	0.6	•
C.V.	4.9	•	•	10	26.1	30.9	•

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group IV Late (RM 4.7 to 4.9)							
Schillinger 478.RCS	70.6	60.7	65.2	9/27	1.0	1.0	39
REV® 49R11™	70.6	64.5	65.8	9/16	1.0	1.3	35
Nashville 749RR	69.6	•	•	9/20	1.0	1.0	32
Pioneer 94Y70	67.1	65.4	69.6	9/18	1.7	1.0	42
Delta Grow 4770RR	67.0	62.4	66.7	9/20	1.0	1.7	37
REV® 48R33™	66.6	•	•	9/21	2.0	1.0	42
REV® 49R23™	66.4	•	•	9/28	2.3	1.0	42
Willcross RY2481S	66.4	64.9	•	9/22	1.0	1.0	35
Davis D-149RRCNS	66.2	62.1	•	9/22	1.7	1.0	43
Pioneer 94Y81	66.0	•	•	9/21	1.0	1.0	37
REV® 48R22™	65.9	62.2	•	9/21	1.7	1.0	34
Willcross RR2878NS	65.9	59.1	60.0	9/20	1.0	1.0	44
Houston 747RR	65.7	•	•	9/21	1.0	1.0	35
Morsoy 4707	65.3	61.4	66.3	9/21	1.0	1.0	34
Willcross RR2477N	64.7	63.9	•	9/21	1.0	1.0	35
REV® 47R53™	64.5	•	•	9/19	2.3	1.3	29
Progeny 4807RR	64.3	63.3	67.4	9/19	1.0	1.3	37
Morsoy 4824	64.2	59.5	66.2	9/22	1.3	1.0	35
Armor 48-R40	64.1	•	•	9/21	1.0	1.0	37
Morsoy Xtra 48X00	64.0	62.9	•	9/22	1.0	1.0	36
Davis D-147RRCNS	63.4	63.6	•	9/22	1.0	1.0	35
REV® 47R22™	63.4	61.8	•	9/22	2.0	1.3	40
USG 74E88	63.4	60.2	62.4	9/21	1.0	1.3	39
Armor X1247	62.7	•	•	9/21	1.0	1.0	38
REV® 49R43™	61.4	•	•	9/22	3.0	1.0	32
Stine 48RC32	61.4	•	•	9/22	1.0	1.0	43
Atlanta 1047RR2Y	61.2	•	•	9/18	1.0	1.0	33
REV® 48R10™	61.1	59.4	65.6	9/21	1.3	2.0	30
USG 74A79R	60.4	60.9	•	9/21	1.3	1.0	35
HBK R4830	60.3	•	•	9/26	2.5	1.0	44
REV® 49R22™	60.1	58.1	•	9/22	1.7	1.3	41
Dyna-Gro 33G48	60.0	57.8	•	9/23	3.3	1.0	40
HBK R4924	59.9	58.3	61.1	9/27	2.0	1.0	41
REV® 49R10™	59.6	58.0	63.9	9/23	2.7	1.0	50
REV® 48R21™	59.5	57.6	•	9/22	1.0	1.0	40
Eagle Seed ES4777	59.1	58.5	62.3	9/24	1.3	1.0	39
Armor X1210	58.9	•	•	9/23	3.7	1.0	34
Armor DK 4744	58.4	59.5	•	9/21	1.3	1.0	38
Progeny 4750RR	58.2	58.4	•	9/23	3.5	1.0	41
Armor X1208	58.0	•	•	9/14	1.3	1.3	37
USG 74B81R	57.6	•	•	9/13	1.0	1.0	45
Armor X1209	57.5	•	•	9/18	1.3	1.0	42
Delta Grow 4875R2Y	57.4	•	•	9/19	1.0	1.3	40

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group IV Late (RM 4.7 to 4.9) Continued							
Delta Grow 4975RR	57.3	56.7	65.9	9/23	2.3	1.0	48
HBK R4829	57.3	57.9	•	9/23	2.7	1.0	37
HBK R4729	57.0	55.4	63.5	9/14	2.3	1.0	37
USG 7495nRS	56.5	52.6	61.5	9/27	2.0	1.0	37
ASGROW AG4832	56.4	•	•	9/13	1.0	1.3	34
Armor X1211	56.2	59.3	•	9/26	1.0	1.0	39
Schillinger 495.RC	55.9	58.3	63.7	9/26	3.3	1.0	44
ASGROW AG4732	55.8	•	•	9/15	1.7	1.0	37
Morsoy Xtra 47X31	55.1	•	•	9/13	1.3	1.7	41
Syngenta S47-R3 Brand	55.1	57.4	•	9/22	2.3	1.0	46
Morsoy 4955	55.1	51.5	60.7	9/27	2.3	1.0	39
Progeny 4710RY	54.9	•	•	9/14	1.0	1.0	37
Dyna-Gro 39D48	54.8	•	•	9/12	1.7	1.7	39
Delta Grow 4880RR	54.8	58.6	•	9/23	3.7	1.0	35
Delta Grow 4970RR	54.8	54.6	62.0	9/27	4.0	1.0	47
Progeny 4906RR	54.6	55.9	65.6	9/23	1.7	1.0	34
Morsoy Xtra 49X10	54.0	53.8	•	9/23	1.7	1.3	40
Progeny 4811RY	54.0	•	•	9/14	1.3	1.3	42
USG 74A91	53.8	55.5	64.7	9/25	2.3	1.0	47
Syngenta S49-A5 Brand	53.6	•	•	9/22	1.0	1.0	46
ASGROW AG4730	53.1	55.8	•	9/13	1.0	1.0	40
HBK RY4721	52.8	•	•	9/14	1.3	1.0	45
Dyna-Gro 33RY47	52.7	•	•	9/13	1.0	1.3	43
Eagle Seed ES4818	52.3	54.9	•	9/23	2.3	1.0	41
ASGROW AG4932	52.2	•	•	9/21	1.3	1.3	44
Progeny 4911RY	51.0	•	•	9/22	2.0	1.0	55
Schillinger 4990.RC	50.7	53.2	59.0	9/26	3.0	1.0	40
Eagle Seed ES4998	48.3	53.2	•	9/13	2.3	1.3	41
USG 74H81	47.2	•	•	9/12	2.3	1.3	37
GRAND MEAN	59.4	•	•	9/21	1.7	1.1	39
LSD (5%)	6.1	•	•	3	0.7	0.5	•
C.V.	6.3	•	•	8	24.7	25.2	•

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
HBK R5529	70.2	64.5	•	10/03	2.0	1.0	29
Morsoy 5429	67.9	63.5	68.9	09/30	1.0	1.0	31
Syngenta S51-J3 Brand	67.5	•	•	09/27	1.0	1.0	21
ASGROW AG5332	67.1	•	•	10/04	2.7	1.0	41
HBK RY5221	65.6	•	•	09/27	1.7	1.0	44
HBK RY5121	65.5	•	•	09/29	1.7	1.3	33
REV® 51R53™	65.3	•	•	09/30	2.0	1.3	40
USG 75B21R	64.6	•	•	09/21	1.0	1.3	32
Pioneer 95Y40	64.6	58.1	65.3	09/30	1.0	1.0	27
Willcross RR2544NS	64.2	56.1	62.0	09/27	1.0	1.0	31
Delta Grow 5252R2Y	63.1	•	•	09/27	1.0	1.3	22
USG 7553nRS	62.9	57.6	61.9	10/01	1.0	1.3	28
Progeny 5111RY	62.8	•	•	09/21	1.0	1.0	28
Morsoy Xtra 51X31	62.7	•	•	09/21	1.0	1.7	30
HBK RY5220	61.9	60.1	•	09/28	1.0	1.3	31
Willcross RR2547N	61.7	62.8	62.2	10/03	1.7	1.3	50
Armor DK 5363	61.7	61.4	64.3	10/05	2.0	1.3	34
Armor 55-R22	60.7	•	•	09/30	1.0	1.0	35
Delta Grow 5565R2Y	59.8	•	•	09/27	1.0	1.0	25
ASGROW AG5532	59.7	•	•	09/29	1.0	1.0	34
REV® 54R10™	59.5	53.4	60.4	09/29	3.0	1.3	35
Dyna-Gro 32RY55	59.3	•	•	09/29	1.0	1.0	34
HBK R5525	59.2	54.4	60.8	10/04	1.3	1.0	31
HBK RY5521	59.1	•	•	10/01	1.0	1.0	36
Morsoy Xtra 54X41	58.6	•	•	09/29	1.0	1.0	32
Delta Grow 5300RR/STS	58.6	•	•	09/27	1.0	1.3	29
USG 75Z38	57.6	55.8	•	10/04	2.0	1.0	35
Nidera N-Exp-55011	57.5	•	•	09/26	1.0	1.0	22
HBK R5226	57.4	55.7	60.3	10/03	1.7	1.0	26
Armor X1255	57.2	•	•	09/28	1.0	1.0	30
Armor X1213	57.2	•	•	09/29	1.0	0.9	29
Morsoy 5388	56.6	55.7	58.5	09/24	1.0	1.0	38
Morsoy 5168	56.5	55.0	59.5	09/26	2.7	1.3	48
Progeny 5330RR	56.4	55.5	•	09/29	1.7	1.0	41
ASGROW AG5232	56.3	•	•	09/26	1.0	1.0	29
HBK RY5421	56.0	•	•	09/27	1.0	1.0	30
Croplan R2C5360	56.0	•	•	09/23	1.0	1.3	27
Dyna-Gro 35F55	55.8	57.2	61.7	10/03	2.0	1.0	35
Schillinger 5220.RC	55.7	•	•	09/27	1.0	2.0	43
AGS 554 RR	55.3	56.0	61.0	10/04	1.7	1.0	32
Delta Grow 5280RR	55.2	53.8	60.1	10/01	1.3	1.0	30
Armor X1217	55.1	•	•	09/26	1.0	1.3	31
Delta Grow 5160RR/STS	54.8	•	•	09/27	2.7	1.3	40

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group V Early (RM 5.0 to 5.5) Continued							
Willcross RR2507NS	54.6	54.2	•	09/29	2.7	1.3	50
Morsoy Xtra 53X51	54.4	•	•	10/04	2.5	0.9	39
Schillinger 557.RC	53.8	52.9	•	09/30	1.0	1.0	26
Armor X1253	53.7	•	•	09/27	1.3	1.0	27
Dyna-Gro 35P53	53.7	58.4	•	10/03	2.0	1.0	34
Armor X1216	52.5	•	•	09/27	1.0	1.0	28
Delta Grow 5545RR	52.4	•	•	10/04	1.3	1.0	29
Progeny 5321RY	51.9	•	•	09/29	2.3	1.3	50
Armor 53-R15	51.8	54.3	•	09/27	1.0	1.0	30
Delta Grow 5555RR	51.3	53.8	62.1	10/04	2.3	1.0	37
Delta Grow 5275R2Y	50.5	•	•	09/27	2.0	1.0	32
Eagle Seed ES5507	50.1	49.8	56.0	10/04	1.3	1.3	37
Nidera N-Exp-52011	49.8	•	•	09/26	2.0	1.7	46
R06-2082RR	49.6	•	•	09/30	2.0	1.0	38
REV® 55R21™	49.5	50.9	•	10/03	1.0	1.0	32
R04-1250RR	49.3	•	•	09/29	1.0	1.0	34
Syngenta S51-T8 Brand	49.2	•	•	09/27	1.3	1.0	46
Dyna-Gro 37RY52	49.1	54.8	•	09/27	1.7	1.0	24
R04-1268RR	48.8	•	•	09/26	1.0	1.3	27
Armor X1215	48.4	•	•	10/04	1.0	1.0	36
Delta Grow 5110R2Y	48.3	•	•	09/26	2.3	1.0	59
Progeny 5210RY	48.2	53.6	•	09/27	1.3	1.0	30
USG 75R31R	48.0	•	•	09/30	3.0	1.3	63
GRAND MEAN	56.9	•	•	09/29	1.5	1.1	34
LSD (5%)	5.4	•	•	3	0.7	0.5	•
C.V.	5.8	•	•	6	28.0	26.5	•

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
REV® 57R21™	74.2	64.5	•	10/01	1.7	1.0	38
Pioneer 95Y71	67.5	•	•	10/03	1.0	1.7	29
REV® 56R21™	66.2	61.1	•	09/29	1.3	1.0	33
Delta Grow 5625R2Y	63.7	•	•	10/04	1.3	1.0	32
Progeny 5655RY	63.5	•	•	09/27	1.0	1.3	38
REV® 56R63™	62.6	•	•	10/04	2.3	1.0	38
ASGROW AG5632	62.1	•	•	10/03	1.0	1.0	34
Progeny 5610RY	62.0	58.2	•	10/02	1.3	1.0	36
Progeny 5711RY	61.8	•	•	10/04	1.3	1.3	37
USG 75J90R	59.0	56.6	•	09/30	1.0	1.3	33
AGS 568RR	56.1	54.3	60.8	10/05	1.0	1.3	33
Delta Grow 5656R2Y	56.0	•	•	09/27	1.0	1.0	28
USG 75Z98	56.0	56.2	63.3	10/04	2.3	1.0	32
Progeny 5811RY	55.2	•	•	10/04	1.0	1.3	37
AGS 597RR	54.4	54.6	61.0	10/04	2.0	1.0	39
Nidera N-Exp-58011	54.3	•	•	09/28	1.0	1.0	27
Syngenta S56-G6 Brand	51.8	•	•	10/03	1.3	1.0	32
ASGROW AG5832	48.9	•	•	10/04	2.3	1.3	51
GRAND MEAN	59.7	•	•	10/02	1.4	1.1	35
LSD (5%)	5.8	•	•	3	0.7	0.6	•
C.V.	5.8	•	•	6	29.2	29.7	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, 2011.

Soil Series	Crowley silt loam
Soil pH	6.1
Previous Crop	Rice
Row Width	30 inches
Fertilizer Applied	0-60-60, 5/11
Planting Date	5/18
Herbicide Applications	Dual Magnum + Scepter, 5/12; Roundup + Flexstar, 7/6; Flexstar, 7/14
Insecticide Applications	Belt + Intensity, 8/12
Irrigation Dates	6/15, 6/24, 7/16, 7/27, 8/6, 8/24, 9/2, 9/13
Harvest Dates	MG 4E, 10/11; MG 4L, 10/11; MG 5E, 10/17; MG 5L, 10/17

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2011	11.5	5.7	1.6	1.8	6.2	1.2	27.9
Average	6.0	6.2	3.6	3.1	3.1	3.0	25.0
Departure	5.5	-0.5	-2.0	-1.3	3.1	-1.8	2.9

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
Maturity Group IV Early (RM 4.0 to 4.6)							
Syngenta S39-U2 Brand	65.3	•	•	9/09	1.5	1.0	42
Dyna-Gro 39RY43	60.6	•	•	9/19	1.0	1.0	39
Pioneer 94Y40	59.4	54.5	•	9/19	1.0	1.0	39
Armor X1204	57.9	•	•	9/14	1.0	1.0	39
Progeny 4611RY	57.4	•	•	9/21	1.5	1.0	38
Delta Grow 4670R2Y	57.3	•	•	9/20	1.5	1.0	41
REV® 46R73™	57.2	•	•	9/19	2.0	1.5	45
Morsoy Xtra 46X29	57.1	52.3	•	9/22	1.5	1.0	42
Armor X1206	56.5	•	•	9/21	1.5	1.0	43
ASGROW AG4232	56.5	•	•	9/14	1.0	1.0	45
Progeny 4211RY	56.1	•	•	9/20	1.5	1.0	42
ASGROW AG4632	55.8	•	•	9/21	2.0	1.0	46
Dyna-Gro 31RY45	55.6	•	•	9/22	1.5	1.0	40
HBK RY4620	54.4	53.5	•	9/23	2.0	1.0	39
Armor 46-R42	54.4	•	•	9/16	1.0	1.5	40
Dyna-Gro 36C44	54.2	53.4	51.0	9/19	1.0	1.5	35
Morsoy Xtra 46X71	53.8	•	•	9/18	1.0	1.0	38
Schillinger 457.RCP	52.8	52.1	48.2	9/18	1.5	1.0	44
Davis D-246RR2Y	52.3	•	•	9/23	1.5	1.0	44
Delta Grow 4460RR	52.2	•	•	9/20	1.5	1.0	40
HBK R4527	51.7	49.4	48.6	9/19	1.5	1.0	42
S08-14087	51.7	•	•	9/20	1.5	1.5	38
REV® 44R22™	51.7	53.8	•	9/22	1.0	1.0	40
ASGROW AG4531	51.7	49.9	•	9/22	1.5	1.0	44
Progeny 4510RY	51.5	50.0	•	9/23	2.0	1.0	43
Dyna-Gro 35x43	50.7	50.6	•	9/19	1.5	1.5	36
Willcross RY2460S	50.2	49.8	•	9/22	1.5	1.0	41
Schillinger 458.RCS	49.8	52.4	52.3	9/19	1.0	1.5	35
USG 74C69	49.3	51.1	49.8	9/22	3.0	1.0	41
Syngenta S46-A1 Brand	46.7	•	•	9/19	1.0	1.5	39
Syngenta S42-T4 Brand	44.9	•	•	9/15	1.5	2.0	43
REV® 45R10™	44.3	43.5	41.8	9/19	1.5	1.5	44
GRAND MEAN	53.8	•	•	9/19	1.5	1.2	41
LSD (5%)	7.6	•	•	3	1.1	0.7	•
C.V.	7.0	•	•	8	35.7	30.8	•

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.0 to 4.6)</u>							
Eagle Seed ES4998	61.0	59.5	•	9/21	1.3	1.0	35
Progeny 4750RR	58.9	61.8	•	9/24	1.7	1.3	35
Armor X1210	58.8	•	•	9/25	1.7	1.0	38
Atlanta 1047RR2Y	58.4	•	•	9/24	1.3	1.0	40
HBK R4829	57.7	57.1	•	9/25	1.1	1.0	38
ASGROW AG4732	57.5	•	•	9/20	1.7	1.0	39
Dyna-Gro 39D48	57.2	•	•	9/19	1.0	1.5	39
Delta Grow 4970RR	56.8	55.8	55.3	9/28	1.7	1.0	36
Delta Grow 4880RR	56.8	59.3	•	9/25	1.7	1.0	43
USG 74A79R	56.7	54.6	•	9/25	1.3	1.0	38
REV® 48R33™	56.7	•	•	9/19	1.0	1.0	39
Progeny 4807RR	56.5	52.2	49.7	9/22	1.1	1.0	41
Davis D-149RRCNS	56.5	58.1	•	9/24	1.1	1.0	39
Dyna-Gro 33G48	56.3	59.7	•	9/24	1.7	1.0	36
REV® 49R43™	56.1	•	•	9/22	1.0	1.0	32
Morsoy Xtra 48X00	55.9	54.0	•	9/25	1.3	1.0	38
Dyna-Gro 33RY47	55.5	•	•	9/23	1.3	1.0	41
Delta Grow 4975RR	55.3	55.2	55.3	9/25	1.6	1.0	40
Morsoy 4824	55.1	57.7	•	9/25	1.3	1.0	36
Armor X1208	55.1	•	•	9/24	1.5	1.0	41
REV® 49R23™	54.7	•	•	9/28	3.0	1.0	45
ASGROW AG4730	54.5	53.9	•	9/21	1.3	1.0	41
Armor DK 4744	54.3	53.3	•	9/25	1.0	1.3	39
Armor 48-R40	54.2	•	•	9/24	1.0	1.0	40
Morsoy Xtra 47X31	54.1	•	•	9/22	2.0	1.0	41
Nashville 749RR	54.0	•	•	9/24	1.0	1.0	38
Pioneer 94Y70	53.9	55.1	53.4	9/19	1.5	1.0	39
USG 74B81R	53.7	•	•	9/24	1.7	1.0	43
Schillinger 495.RC	53.6	56.2	53.7	9/28	1.3	1.0	40
REV® 47R22™	53.3	55.7	•	9/23	2.0	1.0	40
Armor X1209	53.0	•	•	9/22	1.7	1.0	45
Willcross RR2878NS	53.0	51.1	•	9/19	1.3	1.3	44
USG 74H81	52.8	•	•	9/20	1.1	1.0	38
Houston 747RR	52.6	•	•	9/22	1.0	1.0	31
Armor X1247	52.6	•	•	9/24	1.0	1.0	41
Progeny 4710RY	52.4	•	•	9/23	1.3	1.0	40
REV® 47R53™	52.3	•	•	9/19	1.0	1.3	35
Morsoy 4707	52.2	54.6	50.7	9/25	1.0	1.0	36
Delta Grow 4875R2Y	52.0	•	•	9/21	1.3	1.0	40
Progeny 4811RY	51.7	•	•	9/23	1.3	1.0	40
HBK RY4721	51.6	•	•	9/23	1.7	1.0	44
Progeny 4906RR	51.6	50.7	52.6	9/24	1.7	1.0	39
Pioneer 94Y81	51.6	•	•	9/20	1.0	1.0	39

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
Maturity Group IV Late (RM 4.7 to 4.9) Continued							
REV® 49R11™	51.5	54.3	•	9/18	1.0	2.0	36
Stine 48RC32	51.4	•	•	9/24	1.0	1.0	40
ASGROW AG4832	50.4	•	•	9/24	1.3	1.0	40
USG 74E88	50.1	50.9	•	9/20	1.0	1.0	43
Syngenta S49-A5 Brand	50.0	•	•	9/25	1.0	1.0	41
Syngenta S47-R3 Brand	49.8	53.6	•	9/24	1.3	1.0	36
Willcross RY2481S	49.7	51.5	•	9/24	1.0	1.0	34
Schillinger 4990.RC	49.7	54.6	•	9/28	1.0	1.0	38
Eagle Seed ES4818	49.5	49.3	•	9/28	1.0	1.0	36
Eagle Seed ES4777	49.4	52.8	53.8	9/27	1.0	1.0	39
Schillinger 478.RCS	49.2	50.5	50.8	9/26	1.3	1.0	39
ASGROW AG4932	49.2	•	•	9/24	1.3	1.0	44
Delta Grow 4770RR	49.0	51.1	51.9	9/20	1.0	1.0	39
REV® 49R10™	48.9	49.9	•	9/23	2.0	1.0	45
Progeny 4911RY	48.7	•	•	9/26	1.7	1.0	46
HBK R4924	48.7	51.5	53.1	9/26	1.0	1.0	41
REV® 48R22™	48.3	55.4	•	9/21	1.0	1.0	37
Armor X1211	47.8	47.8	•	9/24	1.0	1.0	36
USG 74A91	47.3	49.2	52.5	9/26	1.0	1.0	39
USG 7495nRS	47.3	48.5	49.3	9/26	1.1	1.0	38
Willcross RR2477N	47.3	47.7	•	9/24	1.0	1.0	36
Davis D-147RRCNS	47.2	50.8	•	9/24	1.0	1.0	32
REV® 49R22™	46.6	47.0	•	9/22	1.3	1.0	35
HBK R4729	46.4	47.2	•	9/19	1.3	1.0	32
REV® 48R21™	46.3	49.4	•	9/25	1.0	1.0	37
Morsoy 4955	46.0	46.9	47.4	9/28	1.7	1.0	38
Morsoy Xtra 49X10	45.9	53.0	•	9/24	1.3	1.3	41
HBK R4830	45.0	•	•	9/25	1.5	1.0	37
REV® 48R10™	44.8	48.2	•	9/22	1.0	1.3	37
GRAND MEAN	52.2	•	•	9/23	1.3	1.0	39
LSD (5%)	6.4	•	•	3	0.7	0.3	•
C.V.	7.5	•	•	7	32.1	17.7	•

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
ASGROW AG5332	59.0	•	•	09/27	2.0	1.0	41
HBK RY5121	57.7	•	•	09/28	1.0	1.0	35
HBK R5529	55.4	58.3	•	10/04	1.3	1.0	30
USG 75B21R	54.8	•	•	09/23	1.0	1.0	35
Delta Grow 5565R2Y	53.0	•	•	09/30	1.5	1.0	36
ASGROW AG5232	52.9	•	•	09/24	1.0	1.0	34
Syngenta S51-J3 Brand	52.5	•	•	09/23	1.0	1.0	30
Delta Grow 5280RR	52.4	51.7	54.5	10/05	1.0	1.0	33
USG 75Z38	52.3	54.0	•	10/04	1.0	1.0	32
Syngenta S51-T8 Brand	52.1	•	•	09/25	1.0	1.0	35
Morsoy Xtra 54X41	51.7	•	•	09/29	1.0	1.0	36
Schillinger 5220.RC	51.5	•	•	09/30	1.0	1.0	34
Morsoy Xtra 51X31	51.3	•	•	09/22	1.0	1.0	36
Armor X1255	50.9	•	•	09/30	1.0	1.0	32
Morsoy 5429	50.5	54.8	60.1	10/02	1.0	1.0	35
Pioneer 95Y40	50.4	53.6	57.2	09/23	1.0	1.0	32
HBK R5525	50.4	54.2	58.3	10/06	1.0	1.0	32
Delta Grow 5252R2Y	50.2	•	•	09/23	1.0	1.0	28
HBK R5226	50.2	52.7	58.1	10/04	1.0	1.0	29
Willcross RR2544NS	50.1	50.6	55.3	09/24	1.0	1.0	29
Nidera N-Exp-55011	49.8	•	•	09/29	1.0	1.0	28
AGS 554 RR	49.4	54.8	58.5	10/06	1.0	1.0	34
Progeny 5111RY	49.4	•	•	09/22	1.0	1.0	32
Morsoy 5388	49.1	51.9	55.6	09/25	1.0	1.0	34
HBK RY5220	48.9	48.1	•	09/24	1.0	1.0	34
Armor 55-R22	48.8	•	•	09/29	1.0	1.0	35
HBK RY5421	48.7	•	•	09/30	1.0	1.0	32
Armor X1253	48.7	•	•	09/29	1.0	1.0	28
Dyna-Gro 32RY55	48.4	•	•	09/30	1.3	1.0	35
Delta Grow 5300RR/STS	48.1	•	•	09/25	1.0	1.0	33
Progeny 5210RY	48.1	49.1	•	09/29	1.0	1.0	34
Armor X1213	47.9	•	•	09/30	1.0	1.0	32
Morsoy Xtra 53X51	47.7	•	•	10/07	2.0	1.0	35
HBK RY5221	47.6	•	•	09/25	1.0	1.0	34
ASGROW AG5532	47.3	•	•	09/24	1.0	1.0	34
Armor 53-R15	47.0	47.8	•	09/28	1.0	1.0	32
Delta Grow 5110R2Y	46.8	•	•	09/24	1.0	1.0	42
Willcross RR2507NS	46.6	48.7	•	09/27	1.0	1.0	40
Morsoy 5168	46.5	44.6	46.1	09/25	1.0	1.0	38
Dyna-Gro 37RY52	46.0	48.4	•	09/29	1.3	1.0	38
Armor DK 5363	45.8	46.3	50.3	10/07	1.7	1.0	35
Delta Grow 5545RR	45.5	•	•	10/06	1.0	1.0	32
Delta Grow 5160RR/STS	45.4	•	•	09/29	1.0	1.0	32

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group V Early (RM 5.0 to 5.5) Continued							
USG 7553nRS	45.4	46.7	52.3	09/27	1.0	1.0	31
Dyna-Gro 35P53	45.2	46.4	•	10/03	1.5	1.0	35
USG 75R31R	45.2	•	•	09/30	2.0	1.0	45
Progeny 5330RR	45.2	48.0	•	09/28	1.7	1.0	37
Armor X1217	45.1	•	•	09/27	1.0	1.0	30
REV® 54R10™	45.0	47.6	53.3	09/29	1.7	1.0	39
Delta Grow 5275R2Y	45.0	•	•	09/29	1.0	1.0	30
Willcross RR2547N	44.9	48.2	51.8	10/01	1.3	1.0	40
Progeny 5321RY	44.8	•	•	09/29	2.0	1.0	46
Armor X1216	44.4	•	•	09/24	1.0	1.0	33
R06-2082RR	44.1	•	•	09/30	1.5	1.0	25
Armor X1215	43.9	•	•	10/06	1.0	1.0	34
Schillinger 557.RC	43.7	47.4	•	10/04	1.0	1.0	31
Delta Grow 5555RR	43.1	46.6	50.9	10/06	1.3	1.0	32
Eagle Seed ES5507	43.0	45.6	47.9	10/07	1.0	1.0	38
REV® 51R53™	42.3	•	•	09/28	1.0	1.0	35
Croplan R2C5360	42.2	•	•	09/23	1.0	1.0	29
Dyna-Gro 35F55	41.8	50.4	54.8	10/06	1.3	1.0	36
R04-1268RR	40.9	•	•	09/24	1.0	1.0	29
HBK RY5521	40.8	•	•	09/29	1.0	1.0	36
R04-1250RR	39.4	•	•	09/30	1.0	1.0	34
Nidera N-Exp-52011	39.2	•	•	09/25	1.0	1.0	44
REV® 55R21™	36.1	39.5	•	10/07	1.0	1.0	34
GRAND MEAN	47.5	•	•	09/29	1.1	1.0	34
LSD (5%)	6.1	•	•	2	0.4	•	•
C.V.	7.9	•	•	5	22.6	•	•

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2011, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
REV® 56R21™	55.7	56.6	•	09/29	1.0	1.0	34
USG 75J90R	54.7	57.8	•	09/29	1.0	1.0	34
Progeny 5610RY	51.4	52.6	•	09/29	1.0	1.0	32
REV® 57R21™	51.1	54.5	•	09/29	2.0	1.0	36
Delta Grow 5625R2Y	50.0	•	•	09/29	1.0	1.0	34
Pioneer 95Y71	50.0	•	•	10/02	1.0	1.0	35
ASGROW AG5632	49.9	•	•	10/01	1.0	1.0	34
REV® 56R63™	49.6	•	•	10/02	2.0	1.0	36
Progeny 5655RY	49.3	•	•	09/29	1.3	1.0	33
AGS 568RR	48.8	50.7	54.7	10/06	1.0	1.0	30
USG 75Z98	48.7	52.6	58.2	10/07	1.3	1.0	31
Delta Grow 5656R2Y	46.8	•	•	09/26	1.0	1.0	33
Syngenta S56-G6 Brand	45.9	•	•	10/05	1.0	1.0	30
AGS 597RR	44.5	47.4	55.6	10/07	1.0	1.0	32
Progeny 5811RY	43.8	•	•	09/30	1.0	1.0	34
ASGROW AG5832	43.1	•	•	10/01	2.0	1.0	44
Progeny 5711RY	42.7	•	•	09/28	1.0	1.0	35
Nidera N-Exp-58011	38.8	•	•	09/29	1.0	1.0	26
GRAND MEAN	48.0	•	•	10/01	1.2	1.0	34
LSD (5%)	5.4	•	•	2	0.3	•	•
C.V.	6.7	•	•	5	17.2	•	•

¹Average Yield for 2010 and 2011.²Average Yield for 2009, 2010, 2011.

Soil Series Sharkey clay
Previous Crop Soybean
Row Width 19"
Fertilizer Applied 110-82-90, 3/25
Planting Date 5/24
Herbicide Applications Roundup, 6/27, 7/11
Insecticide Applications Bifenthrin, 7/19; Belt + Orthene, 8/5
Irrigation Dates 6/17, 6/30, 7/18, 8/5, 8/29
Harvest Dates MG 4E, 10/5; MG 4L, 10/5; MG 5E, 10/12; MG 5L, 10/12

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2011	7.2	2.4	1.7	3.7	5.6	4.1	24.7
Average	4.6	5.1	3.5	3.3	2.5	2.9	21.9
Departure	2.6	-2.7	-1.8	0.4	3.1	1.2	2.8

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2011¹.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
Willcross RR2544NS	54.6	50.0	56.4	10/05	1.0	1.0	40
Morsoy Xtra 51X31	53.8	•	•	10/04	1.0	1.0	40
Armor X1213	53.0	•	•	10/10	1.0	1.0	39
Dyna-Gro 37RY52	52.5	48.4	•	10/08	1.0	1.0	41
Armor X1216	52.4	•	•	10/06	1.0	1.0	40
ASGROW AG5232	51.7	•	•	10/07	1.0	1.0	39
ASGROW AG5332	50.9	•	•	10/13	1.0	1.0	51
Armor DK 5363	50.1	46.0	53.9	10/14	1.0	1.0	36
Armor X1255	50.0	•	•	10/11	1.0	1.0	42
USG 75Z38	50.0	46.2	•	10/13	1.0	1.0	36
USG 7553nRS	49.7	47.3	55.4	10/08	1.0	1.0	40
Armor X1253	49.6	•	•	10/09	1.0	1.0	39
ASGROW AG5532	49.6	•	•	10/08	1.0	1.0	42
HBK RY5220	49.4	45.3	•	10/07	1.0	1.0	41
HBK RY5121	49.3	•	•	10/08	1.0	1.0	40
HBK R5525	49.0	46.2	53.8	10/11	1.0	1.0	40
Dyna-Gro 35P53	48.8	48.1	•	10/09	1.0	1.0	36
Morsoy 5388	48.8	44.9	54.5	10/06	1.0	1.0	49
Morsoy Xtra 54X41	48.8	•	•	10/12	1.0	1.0	40
Delta Grow 5252R2Y	48.7	•	•	10/10	1.0	1.0	34
HBK RY5421	48.6	•	•	10/10	1.0	1.0	39
Nidera N-Exp-55011	48.2	•	•	10/10	1.0	1.0	32
Delta Grow 5565R2Y	48.2	•	•	10/10	1.0	1.0	38
USG 75B21R	48.1	•	•	10/06	1.0	1.0	40
Delta Grow 5555RR	48.0	50.2	57.0	10/10	1.0	1.0	40
Dyna-Gro 32RY55	47.8	•	•	10/11	1.0	1.0	43
Delta Grow 5300RR/STS	47.8	•	•	10/10	1.0	1.0	42
R06-2082RR	47.8	•	•	10/09	1.0	1.0	37
Delta Grow 5545RR	47.4	•	•	10/13	1.0	1.0	36
Armor 53-R15	47.1	47.8	•	10/09	1.0	1.0	42
HBK RY5521	47.1	•	•	10/09	1.0	1.0	45
Dyna-Gro 35F55	46.7	47.1	56.4	10/10	1.0	1.0	42
Syngenta S51-J3 Brand	46.5	•	•	10/06	1.0	1.0	37
Schillinger 557.RC	46.5	46.1	•	10/10	1.0	1.0	40
Progeny 5111RY	46.3	•	•	10/05	1.0	1.0	40
Morsoy 5429	46.1	44.8	54.5	10/11	1.0	1.0	43
Delta Grow 5275R2Y	45.9	•	•	10/08	1.0	1.0	40
HBK R5226	45.6	46.7	55.1	10/12	1.0	1.0	38
HBK R5529	45.3	42.9	•	10/10	1.0	1.0	40
Eagle Seed ES5507	45.3	45.2	52.2	10/13	1.0	1.0	42
R04-1250RR	45.3	•	•	10/08	1.0	1.0	41
Armor 55-R22	45.3	•	•	10/09	1.0	1.0	42
Nidera N-Exp-52011	45.1	•	•	10/10	1.0	1.0	54

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2011¹, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	.....bu/A.....						
Maturity Group V Early (RM 5.0 to 5.5) Continued							
Willcross RR2547N	45.1	43.6	50.1	10/13	1.0	1.0	53
R04-1268RR	44.8	•	•	10/07	1.0	1.0	39
Schillinger 5220.RC	44.8	•	•	10/12	1.0	1.0	55
REV® 51R53™	44.4	•	•	10/11	1.0	1.0	43
REV® 54R10™	44.1	48.9	55.4	10/10	1.0	1.0	37
Armor X1215	44.0	•	•	10/14	1.0	1.0	43
HBK RY5221	43.8	•	•	10/07	2.0	1.0	54
Pioneer 95Y40	43.4	40.7	48.9	10/05	1.0	1.0	40
Croplan R2C5360	43.1	•	•	10/03	1.0	1.0	36
Morsoy 5168	42.8	39.6	50.2	10/10	1.0	1.0	49
Progeny 5330RR	42.5	43.9	•	10/08	1.0	1.0	41
Delta Grow 5110R2Y	42.2	•	•	10/08	1.0	1.0	56
Progeny 5210RY	42.1	43.5	•	10/11	1.0	1.0	43
AGS 554 RR	41.9	41.8	51.4	10/14	1.0	1.0	31
Syngenta S51-T8 Brand	41.3	•	•	10/09	1.0	1.0	58
Willcross RR2507NS	40.9	40.4	•	10/08	1.0	1.0	50
REV® 55R21™	40.7	40.0	•	10/13	1.0	1.0	41
Morsoy Xtra 53X51	40.0	•	•	10/13	1.0	1.0	36
Delta Grow 5280RR	39.7	42.6	50.9	10/13	1.0	1.0	37
Armor X1217	38.5	•	•	10/08	1.0	1.0	40
Delta Grow 5160RR/STS	37.7	•	•	10/07	1.0	1.0	52
USG 75R31R	36.3	•	•	10/08	1.0	1.0	55
Progeny 5321RY	33.8	•	•	10/08	1.0	1.0	56
GRAND MEAN	46.1	•	•	10/09	1.0	1.0	42
LSD (5%)	6.8	•	•	4	0.2	•	•
C.V.	9.0	•	•	6	13.8	•	•

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2011¹, Continued.

Variety/Experimental Line	2011	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
Delta Grow 5625R2Y	55.2	•	•	10/10	1.0	1.0	48
Pioneer 95Y71	55.0	•	•	10/11	1.0	1.0	44
Progeny 5610RY	54.4	47.9	•	10/12	1.0	1.0	42
Delta Grow 5656R2Y	54.1	•	•	10/12	1.0	1.0	39
USG 75Z98	53.1	46.3	54.6	10/12	1.0	1.0	47
REV® 56R21™	52.9	50.8	•	10/09	1.0	1.0	41
Progeny 5811RY	52.9	•	•	10/13	1.0	1.0	41
USG 75J90R	52.6	48.7	•	10/13	1.0	1.0	37
REV® 57R21™	52.6	49.2	•	10/13	1.0	1.0	48
Progeny 5711RY	52.5	•	•	10/13	1.0	1.0	40
Progeny 5655RY	52.4	•	•	10/10	1.0	1.0	45
ASGROW AG5632	51.4	•	•	10/11	1.0	1.0	41
Nidera N-Exp-58011	50.3	•	•	10/10	1.0	1.0	37
Syngenta S56-G6 Brand	50.2	•	•	10/16	1.0	1.0	40
AGS 597RR	49.9	46.7	54.8	10/13	1.0	1.0	42
REV® 56R63™	49.1	•	•	10/13	1.0	1.0	46
AGS 568RR	48.1	41.9	50.8	10/13	1.0	1.0	45
ASGROW AG5832	40.0	•	•	10/10	1.0	1.0	53
GRAND MEAN	51.5	•	•	10/12	1.0	1.0	43
LSD (5%)	4.3	•	•	2	•	•	•
C.V.	5.0	•	•	9	•	•	•

¹Only MG 5s were tested at this location.²Average Yield for 2010 and 2011.³Average Yield for 2009, 2010, 2011.

Soil Series	Roxanna silt loam
Previous Crop	Soybean
Row Width	36 inches
Planting Date	6/2
Herbicide Applications	Dual Magnum + Pursuit, 6/3
Insecticide Applications	Sevin XLR, 6/17
Irrigation Dates	6/9, 6/22, 6/28, 7/6, 7/13, 7/20, 7/26, 8/2, 8/24, 9/22
Harvest Dates	MG 5E, 11/1; MG 5L, 11/1

	Precipitation (inches)						
	May	June	July	August	September	October	Total
2011	8.4	0.8	0.5	4.1	1.5	4.8	20.1
Average	5.5	4.3	3.3	2.6	4.1	4.3	24.1
Departure	2.9	-3.5	-2.8	1.5	-2.6	0.5	-4.0

Participants and Entries
2011 Early-Planted Roundup Ready™ Tests

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	Morsoy Xtra 46X29	4.6	RR2/STS	CruiserMaxx
	Morsoy Xtra 46X71	4.6	RR2	CruiserMaxx
	Morsoy Xtra 47X31	4.7	RR2	CruiserMaxx
	Morsoy Xtra 48X00	4.8	RR2/STS	CruiserMaxx
Crop Production Services 1673 N. US HWY 61 Portageville, MO 63873	Dyna-Gro 31RY45	4.5	RR2	Accelaron + Gaucho
	Dyna-Gro 37RY52	5.2	RR2	Accelaron + Gaucho
	Dyna-Gro 39RY43	4.3	RR2	Accelaron + Gaucho
	Dyna-Gro V48N7RS	4.8	RR1/STS	Apron Maxx + Gaucho
Croplan Genetics WinField Solutions/ P.O. Box 1351 Blytheville, AR 72315	Croplan R2C4110	4.1	RR2	
	Croplan R2C4220	4.2	RR2	
	Croplan R2C4520	4.5	RR2	
	Croplan R2C4660	4.6	RR2	
	Croplan R2C4801	4.8	RR2	
	Croplan R2C5081	5.1	RR2	
	Croplan R2T4799S	4.7	RR2/STS	
Cullum Seeds P.O. Box 178 Hwy 49 Fisher, AR 72429	Armor 46-R42	4.4	RR2	Apron Maxx + Cruiser
	Armor 48-R40	4.8	RR2/STS	Apron Maxx + Cruiser
	Armor DK 4744	4.7	RR2/STS	Apron Maxx + Cruiser
	Armor X1204	4.4	RR2	Apron Maxx + Cruiser
	Armor X1206	4.4	RR2	Apron Maxx + Cruiser
	Armor X1208	4.7	RR2	Apron Maxx + Cruiser
	Armor X1209	4.7	RR2	Apron Maxx + Cruiser
	Armor X1210	4.8	RR1	Apron Maxx + Cruiser
	Armor X1211	4.9	RR1	Apron Maxx + Cruiser

Participants and Entries
2011 Early-Planted Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow DG4460RR	4.4	RR1	CruiserMaxx
	Delta Grow DG4670RR	4.6	RR2	CruiserMaxx
	Delta Grow DG4770RR	4.7	RR1	CruiserMaxx
	Delta Grow DG4875R2Y	4.8	RR2	CruiserMaxx
	Delta Grow DG4880RR	4.8	RR1	CruiserMaxx
	Delta Grow DG4970RR	4.9	RR1	CruiserMaxx
	Delta Grow DG4975RR	4.9	RR1	CruiserMaxx
	Delta Grow DG5110R2Y	5.1	RR2	CruiserMaxx
	Delta Grow DG5160RR/STS	5.1	RR1/STS	CruiserMaxx
	Delta Grow DG5252R2Y	5.2	RR2	CruiserMaxx
	Delta Grow DG5275R2Y	5.2	RR2	CruiserMaxx
	Delta Grow DG5280RR	5.2	RR1	CruiserMaxx
	Delta Grow DG5300RR/STS	5.3	RR1/STS	CruiserMaxx
	Eagle Seed Company P.O.Box 308 Weiner, AR 72479	Eagle Seed ES4777	4.7	RR1	CruiserMaxx
Eagle Seed ES4818		4.8	RR1	CruiserMaxx
Eagle Seed ES4998		4.9	RR1	CruiserMaxx
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK R4729	4.7	RR1	Trilex 2000 + Gaucho 600
	HBK R4829	4.8	RR1	Trilex 2000 + Gaucho 600
	HBK R4830	4.8	RR1	Trilex 2000 + Gaucho 600
	HBK R4924	4.9	RR1	Trilex 2000 + Gaucho 600
	HBK R5226	5.2	RR1	Trilex 2000 + Gaucho 600
	HBK RY4620	4.6	RR2/STS	Trilex 2000 + Gaucho 600
	HBK RY5220	5.2	RR2	Trilex 2000 + Gaucho 600

Participants and Entries
2011 Early-Planted Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Monstanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	ASGROW AG4632	4.6	RR2	Acceleron
	ASGROW AG4732	4.7	RR2	Acceleron
	ASGROW AG4832	4.8	RR2	Acceleron
	ASGROW AG4932	4.9	RR2	Acceleron
	ASGROW AG5232	5.2	RR2	Acceleron
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny 3911RY	3.9	RR2	CruiserMaxx
	Progeny 4211RY	4.2	RR2	CruiserMaxx
	Progeny 4510RY	4.5	RR2	CruiserMaxx
	Progeny 4611RY	4.6	RR2	CruiserMaxx
	Progeny 4710RY	4.7	RR2	CruiserMaxx
	Progeny 4750RR	4.7	RR1	CruiserMaxx
	Progeny 4807RR	4.8	RR1	CruiserMaxx
	Progeny 4811RY	4.8	RR2	CruiserMaxx
	Progeny 4906RR	4.9	RR1	CruiserMaxx
	Progeny 4911RY	4.9	RR2	CruiserMaxx
	Progeny 5111RY	5.1	RR2	CruiserMaxx
	Progeny 5210RY	5.2	RR2	CruiserMaxx
	Progeny 5321RY	5.3	RR2	CruiserMaxx
	Progeny 5330RR	5.3	RR1	CruiserMaxx
	Stratton Seed Company P.O. Box 1088 Stuttgart, AR 72160	Schillinger 457.RCP	4.5	RR1	CruiserMaxx
Schillinger 458.RCS		4.6	RR1/STS	CruiserMaxx
Schillinger 478.RCS		4.7	RR1/STS	CruiserMaxx
Schillinger 495.RC		4.9	RR1	CruiserMaxx
Schillinger 4990.RC		4.9	RR1	CruiserMaxx

Participants and Entries
2011 Early-Planted Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	REV® 44R22™	4.4	RR1	Apron + Gaucho + Trilex
	REV® 45R10™	4.5	RR1	Apron + Gaucho + Trilex
	REV® 46R73™	4.6	RR1	Apron + Gaucho + Trilex
	REV® 47R22™	4.7	RR1	Apron + Gaucho + Trilex
	REV® 47R53™	4.7	RR1	Apron + Gaucho + Trilex
	REV® 48R10™	4.8	RR1	Apron + Gaucho + Trilex
	REV® 48R21™	4.8	RR1	Apron + Gaucho + Trilex
	REV® 48R22™	4.8	RR1	Apron + Gaucho + Trilex
	REV® 48R33™	4.8	RR1	Apron + Gaucho + Trilex
	REV® 49R10™	4.9	RR1	Apron + Gaucho + Trilex
	REV® 49R11™	4.9	RR1	Apron + Gaucho + Trilex
	REV® 49R22™	4.9	RR1	Apron + Gaucho + Trilex
	REV® 49R43™	4.9	RR1	Apron + Gaucho + Trilex
	REV® 51R53™	5.1	RR1	Apron + Gaucho + Trilex
	UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG 74A45	4.4	RR1	Apron Maxx + Cruiser
USG 74A79R		4.7	RR2/STS	Apron Maxx + Cruiser
USG 74A91		4.9	RR1	Apron Maxx + Cruiser
USG 74B81R		4.8	RR2	Apron Maxx + Cruiser
USG 74C69		4.6	RR1	Apron Maxx + Cruiser
USG 74D41R		4.4	RR2	Apron Maxx + Cruiser
USG 74E88		4.8	RR1/STS	Apron Maxx + Cruiser
University of Missouri 147 State Hwy T Portageville, MO 63873	USG 74F11R	4.1	RR2	Apron Maxx + Cruiser
	S08-14087	4.6	RR1	Trilex 2000 + Gaucho 600

Participants and Entries
2011 Full-Season Roundup Ready™ Tests

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
AGSouth Genetics P.O. Box 72246 Albany, GA 31701	AGS 554 RR	5.5	RR1	CruiserMaxx
	AGS 568RR	5.6	RR1	CruiserMaxx
	AGS 597RR	5.9	RR1	CruiserMaxx
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	Morsoy 4707	4.7	RR1	CruiserMaxx
	Morsoy 4824	4.8	RR1	CruiserMaxx
	Morsoy 4955	4.9	RR1	CruiserMaxx
	Morsoy 5168	5.1	RR1	CruiserMaxx
	Morsoy 5388	5.3	RR1	CruiserMaxx
	Morsoy 5429	5.4	RR1	CruiserMaxx
	Morsoy Xtra 46X29	4.6	RR2/STS	CruiserMaxx
	Morsoy Xtra 46X71	4.6	RR2	CruiserMaxx
	Morsoy Xtra 47X31	4.7	RR2	CruiserMaxx
	Morsoy Xtra 48X00	4.8	RR2/STS	CruiserMaxx
	Morsoy Xtra 49X10	4.9	RR2	CruiserMaxx
	Morsoy Xtra 51X31	5.1	RR2	CruiserMaxx
	Morsoy Xtra 53X51	5.3	RR2	CruiserMaxx
Morsoy Xtra 54X41	5.4	RR2	CruiserMaxx	
Crop Production Services 1673 N. US HWY 61 Portageville, MO 63873	Dyna-Gro 31RY45	4.5	RR2	Acceleron + Gaucho
	Dyna-Gro 32RY55	5.5	RR2	Acceleron + Gaucho
	Dyna-Gro 33G48	4.8	RR1	Apron Maxx + Gaucho
	Dyna-Gro 33RY47	4.7	RR2	Acceleron + Gaucho
	Dyna-Gro 35F55	5.5	RR1	Apron Maxx + Gaucho
	Dyna-Gro 35P53	5.3	RR1	Apron Maxx + Gaucho
	Dyna-Gro 35x43	4.3	RR1	Apron Maxx + Gaucho
	Dyna-Gro 36C44	4.4	RR1/STS	Apron Maxx + Gaucho
	Dyna-Gro 37RY52	5.2	RR2	Apron Maxx + Gaucho
	Dyna-Gro 39D48	4.8	RR1	Apron Maxx + Gaucho
	Dyna-Gro 39RY43	4.3	RR2	Acceleron + Gaucho

Participants and Entries
2011 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Croplan Genetics WinField Solutions/ P.O. Box 1351 Blytheville, AR 72315	Croplan R2C5360	5.3	RR2	
Cullum Seeds P.O. Box 178 Hwy 49 Fisher, AR 72429	Armor 46-R42	4.4	RR2	Apron Maxx + Cruiser
	Armor 48-R40	4.8	RR2/STS	Apron Maxx + Cruiser
	Armor 53-R15	5.3	RR2	Apron Maxx + Cruiser
	Armor 55-R22	5.5	RR2	Apron Maxx + Cruiser
	Armor DK 4744	4.7	RR2/STS	Apron Maxx + Cruiser
	Armor DK 5363	5.3	RR1	Apron Maxx + Cruiser
	Armor X1204	4.4	RR2	Apron Maxx + Cruiser
	Armor X1206	4.4	RR2	Apron Maxx + Cruiser
	Armor X1208	4.7	RR2/STS	Apron Maxx + Cruiser
	Armor X1209	4.7	RR2/STS	Apron Maxx + Cruiser
	Armor X1210	4.8	RR1	Apron Maxx + Cruiser
	Armor X1211	4.9	RR1	Apron Maxx + Cruiser
	Armor X1213	5.4	RR2	Apron Maxx + Cruiser
	Armor X1215	5.5	RR2	Apron Maxx + Cruiser
	Armor X1216	5.5	RR2	Apron Maxx + Cruiser
	Armor X1217	5.4	RR2/STS	Apron Maxx + Cruiser
	Armor X1247	4.7	RR2/STS	Apron Maxx + Cruiser
	Armor X1253	5.2	RR2	Apron Maxx + Cruiser
	Armor X1255	5.5	RR2	Apron Maxx + Cruiser
Davis Seed Company 20847 HWY J5T Moravia, IA 52571	Davis D-147RRCNS	4.7	RR1/STS	CruiserMaxx
	Davis D-149RRCNS	4.9	RR1/STS	CruiserMaxx
	Davis D-246RR2Y	4.6	RR2/STS	CruiserMaxx

Participants and Entries
2011 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Delta Grow P.O. Box 219 England, AR 72046	Delta Grow 4460RR	4.4	RR1	CruiserMaxx
	Delta Grow 4670R2Y	4.6	RR2	CruiserMaxx
	Delta Grow 4770RR	4.7	RR1	CruiserMaxx
	Delta Grow 4875R2Y	4.8	RR2	CruiserMaxx
	Delta Grow 4880RR	4.8	RR1	CruiserMaxx
	Delta Grow 4970RR	4.9	RR1	CruiserMaxx
	Delta Grow 4975RR	4.9	RR1	CruiserMaxx
	Delta Grow 5110R2Y	5.1	RR2	CruiserMaxx
	Delta Grow 5160RR/STS	5.1	RR1/STS	CruiserMaxx
	Delta Grow 5252R2Y	5.2	RR2	CruiserMaxx
	Delta Grow 5275R2Y	5.2	RR2	CruiserMaxx
	Delta Grow 5280RR	5.2	RR1	CruiserMaxx
	Delta Grow 5300RR/STS	5.3	RR1/STS	CruiserMaxx
	Delta Grow 5545RR	5.5	RR1	CruiserMaxx
	Delta Grow 5555RR	5.5	RR1	CruiserMaxx
	Delta Grow 5665R2Y	5.5	RR2	CruiserMaxx
Delta Grow 5625R2Y	5.6	RR2	CruiserMaxx	
Delta Grow 5656R2Y	5.6	RR2	CruiserMaxx	
Eagle Seed Company P.O. Box 308 Weiner, AR 72479	Eagle Seed ES4777	4.7	RR1	CruiserMaxx
	Eagle Seed ES4818	4.8	RR1	CruiserMaxx
	Eagle Seed ES4998	4.9	RR1	CruiserMaxx
	Eagle Seed ES5507	5.5	RR1	CruiserMaxx

Participants and Entries
2011 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK R4527	4.5	RR1	Trilex 2000 + Gaucho 600
	HBK R4729	4.7	RR1	Trilex 2000 + Gaucho 601
	HBK R4829	4.8	RR1	Trilex 2000 + Gaucho 602
	HBK R4830	4.8	RR1	Trilex 2000 + Gaucho 603
	HBK R4924	4.9	RR1	Trilex 2000 + Gaucho 604
	HBK R5226	5.2	RR1	Trilex 2000 + Gaucho 605
	HBK R5525	5.5	RR1	Trilex 2000 + Gaucho 606
	HBK R5529	5.5	RR1	Trilex 2000 + Gaucho 607
	HBK RY4620	4.6	RR2/STS	Trilex 2000 + Gaucho 608
	HBK RY4721	4.7	RR2	Trilex 2000 + Gaucho 609
	HBK RY5121	5.1	RR2	Trilex 2000 + Gaucho 610
	HBK RY5220	5.2	RR2	Trilex 2000 + Gaucho 611
	HBK RY5221	5.2	RR2	Trilex 2000 + Gaucho 612
	HBK RY5421	5.4	RR2	Trilex 2000 + Gaucho 613
HBK RY5521	5.5	RR2	Trilex 2000 + Gaucho 614	
Merschman P.O. Box 279 New Madrid, MO 63869	Atlanta 1047RR2Y	4.7	RR2	Trilex + Allegiance
	Houston 747RR	4.7	RR1	Trilex + Allegiance
	Nashville 749RR	4.9	RR1	Trilex + Allegiance
Monstanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	ASGROW AG4232	4.2	RR2/STS	Acceleron
	ASGROW AG4531	4.5	RR2/STS	Acceleron
	ASGROW AG4632	4.6	RR2	Acceleron
	ASGROW AG4730	4.7	RR2/STS	Acceleron
	ASGROW AG4732	4.7	RR2	Acceleron
	ASGROW AG4832	4.8	RR2	Acceleron
	ASGROW AG4932	4.9	RR2	Acceleron
	ASGROW AG5232	5.2	RR2	Acceleron
	ASGROW AG5332	5.3	RR2	Acceleron
	ASGROW AG5532	5.5	RR2	Acceleron
	ASGROW AG5632	5.6	RR2/STS	Acceleron
	ASGROW AG5832	5.8	RR2	Acceleron

Participants and Entries
2011 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Nidera Seed Co. 195 Danbury Rd. Suite 240 Wilton, CT 06897	Nidera N-Exp-52011	5.2	RR1	
	Nidera N-Exp-55011	5.5	RR1	
	Nidera N-Exp-58011	5.8	RR1	
Pioneer Hi-Bred International, Inc. 700 Boulevard South, Ste. 302 Huntsville, AL 35802	Pioneer 94Y40	4.4	RR1	Trilex + Allegiance + Gaucho
	Pioneer 94Y70	4.7	RR1	Trilex + Allegiance + Gaucho
	Pioneer 94Y81	4.8	RR1	Trilex + Allegiance + Gaucho
	Pioneer 95Y40	5.4	RR1	Trilex + Allegiance + Gaucho
	Pioneer 95Y71	5.7	RR1	Trilex + Allegiance + Gaucho
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny 4211RY	4.2	RR2	CruiserMaxx
	Progeny 4510RY	4.5	RR2	CruiserMaxx
	Progeny 4611RY	4.6	RR2	CruiserMaxx
	Progeny 4710RY	4.7	RR2	CruiserMaxx
	Progeny 4750RR	4.7	RR1	CruiserMaxx
	Progeny 4807RR	4.8	RR1	CruiserMaxx
	Progeny 4811RY	4.8	RR2	CruiserMaxx
	Progeny 4906RR	4.9	RR1	CruiserMaxx
	Progeny 4911RY	4.9	RR2	CruiserMaxx
	Progeny 5111RY	5.1	RR2	CruiserMaxx
	Progeny 5210RY	5.2	RR2	CruiserMaxx
	Progeny 5321RY	5.3	RR2	CruiserMaxx
	Progeny 5330RR	5.3	RR1	CruiserMaxx
	Progeny 5610RY	5.6	RR2	CruiserMaxx
	Progeny 5655RY	5.6	RR2	CruiserMaxx
Progeny 5711RY	5.7	RR2	CruiserMaxx	
Progeny 5811RY	5.8	RR2	CruiserMaxx	

Participants and Entries
2011 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Stine Seed Company 252 Blair Drive Marion, AR 72364	Stine 48RC32	4.8	RR2	CruiserMaxx
Syngenta Seeds 11055 Wayzata Blvd. Minnetanka, MN 55305-1526	Syngenta S39-U2 Brand	3.9	RR2	CruiserMaxx
	Syngenta S42-T4 Brand	4.2	RR2	CruiserMaxx
	Syngenta S46-A1 Brand	4.6	RR2	CruiserMaxx
	Syngenta S47-R3 Brand	4.7	RR1	CruiserMaxx
	Syngenta S49-A5 Brand	4.9	RR1	CruiserMaxx
	Syngenta S51-J3 Brand	5.1	RR2	CruiserMaxx
	Syngenta S51-T8 Brand	5.1	RR1	CruiserMaxx
	Syngenta S56-G6 Brand	5.6	RR1	CruiserMaxx
Stratton Seed Company P.O. Box 1088 Stuttgart, AR 72160	Schillinger 457.RCP	4.5	RR1	CruiserMaxx
	Schillinger 458.RCS	4.6	RR1/STS	CruiserMaxx
	Schillinger 478.RCS	4.7	RR1/STS	CruiserMaxx
	Schillinger 495.RC	4.9	RR1	CruiserMaxx
	Schillinger 4990.RC	4.9	RR1	CruiserMaxx
	Schillinger 5220.RC	5.2	RR1	CruiserMaxx
	Schillinger 557.RC	5.5	RR1	CruiserMaxx

Participants and Entries
 2011 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Terral Seed, Inc. P. O. Box 826 Lake Providence, LA 71254	REV® 44R22™	4.4	RR1	Apron + Gaucho + Trilex
	REV® 45R10™	4.5	RR1	Apron + Gaucho + Trilex
	REV® 46R73™	4.6	RR1	Apron + Gaucho + Trilex
	REV® 47R22™	4.7	RR1	Apron + Gaucho + Trilex
	REV® 47R53™	4.7	RR1	Apron + Gaucho + Trilex
	REV® 48R10™	4.8	RR1	Apron + Gaucho + Trilex
	REV® 48R21™	4.8	RR1	Apron + Gaucho + Trilex
	REV® 48R22™	4.8	RR1	Apron + Gaucho + Trilex
	REV® 48R33™	4.8	RR1	Apron + Gaucho + Trilex
	REV® 49R10™	4.9	RR1	Apron + Gaucho + Trilex
	REV® 49R11™	4.9	RR1	Apron + Gaucho + Trilex
	REV® 49R22™	4.9	RR1	Apron + Gaucho + Trilex
	REV® 49R23™	4.9	RR1	Apron + Gaucho + Trilex
	REV® 49R43™	4.9	RR1	Apron + Gaucho + Trilex
	REV® 51R53™	5.1	RR1	Apron + Gaucho + Trilex
	REV® 54R10™	5.4	RR1	Apron + Gaucho + Trilex
REV® 55R21™	5.5	RR1/STS	Apron + Gaucho + Trilex	
REV® 56R21™	5.6	RR1	Apron + Gaucho + Trilex	
REV® 56R63™	5.6	RR1	Apron + Gaucho + Trilex	
REV® 57R21™	5.7	RR1	Apron + Gaucho + Trilex	

Participants and Entries
2011 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG 7495nRS	4.9	RR1/STS	Apron Maxx + Cruiser
	USG 74A79R	4.7	RR2/STS	Apron Maxx + Cruiser
	USG 74A91	4.9	RR1	Apron Maxx + Cruiser
	USG 74B81R	4.8	RR2	Apron Maxx + Cruiser
	USG 74C69	4.6	RR1	Apron Maxx + Cruiser
	USG 74E88	4.8	RR1/STS	Apron Maxx + Cruiser
	USG 74H81	4.8	RR1	Apron Maxx + Cruiser
	USG 7553nRS	5.5	RR1/STS	Apron Maxx + Cruiser
	USG 75B21R	5.2	RR2	Apron Maxx + Cruiser
	USG 75J90R	5.9	RR2	Apron Maxx + Cruiser
	USG 75R31R	5.3	RR2	Apron Maxx + Cruiser
	USG 75Z38	5.3	RR1	Apron Maxx + Cruiser
	USG 75Z98	5.9	RR1	Apron Maxx + Cruiser
University of Arkansas 115 Plant Science Building Fayetteville, AR 72701	R04-1250RR	5.5	RR1	Apron Maxx
	R04-1268RR	5.5	RR1	Apron Maxx
	R06-2082RR	5.4	RR1	Apron Maxx
University of Missouri 147 State Hwy T Portageville, MO 63873	S08-14087	4.6	RR1	Trilex + Gaucho
Wilcross Seed, Inc. P.O. Box 499 Garden City, MO 64747	Willcross RR2477N	4.7	RR1	Trilex 6000
	Willcross RR2507NS	5.0	RR1/STS	Trilex 6000
	Willcross RR2544NS	5.4	RR1/STS	Trilex 6000
	Willcross RR2547N	5.4	RR1	Trilex 6000
	Willcross RR2878NS	4.7	RR1/STS	Trilex 6000
	Willcross RY2460S	4.6	RR2/STS	Trilex 6000
	Willcross RY2481S	4.7	RR2	Trilex 6000

Participants and Entries

2011 Non-Roundup Ready™ and LibertyLink™ Tests

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
AGSouth Genetics P.O. Box 72246 Albany, GA 31701	AGS 5911LL	5.9	LL	CruiserMaxx
	AGS 6011LL	5.9	LL	CruiserMaxx
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	Morsoy 4860	4.8	Conv.	CruiserMaxx
	Morsoy 5209	5.2	Conv.	CruiserMaxx
Crop Production Services 1673 N. US HWY 61 Portageville, MO 63873	Dyna-Gro 34LL53	5.3	LL	Apron Maxx + Gaucho
	Dyna-Gro 37LL50	5.0	LL	Apron Maxx + Gaucho
Delta Grow Seed P.O. Box 219 England, AR 72046	Delta Grow 4861LL	4.8	LL	CruiserMaxx
	Delta Grow 5461LL	5.4	LL	CruiserMaxx
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK C4926	4.9	Conv.	Trilex 2000 + Gaucho 600
	HBK C4929	4.9	Conv.	Trilex 2000 + Gaucho 600
	HBK C5025	5.0	Conv.	Trilex 2000 + Gaucho 600
	HBK C5528	5.5	Conv.	Trilex 2000 + Gaucho 600
Merschman P.O. Box 279 New Madrid, MO 63869	Miami	4.9	LL	Trilex 6000 + Allegiance
	Whitney 1154LL	5.4	LL	Trilex 6000 + Allegiance

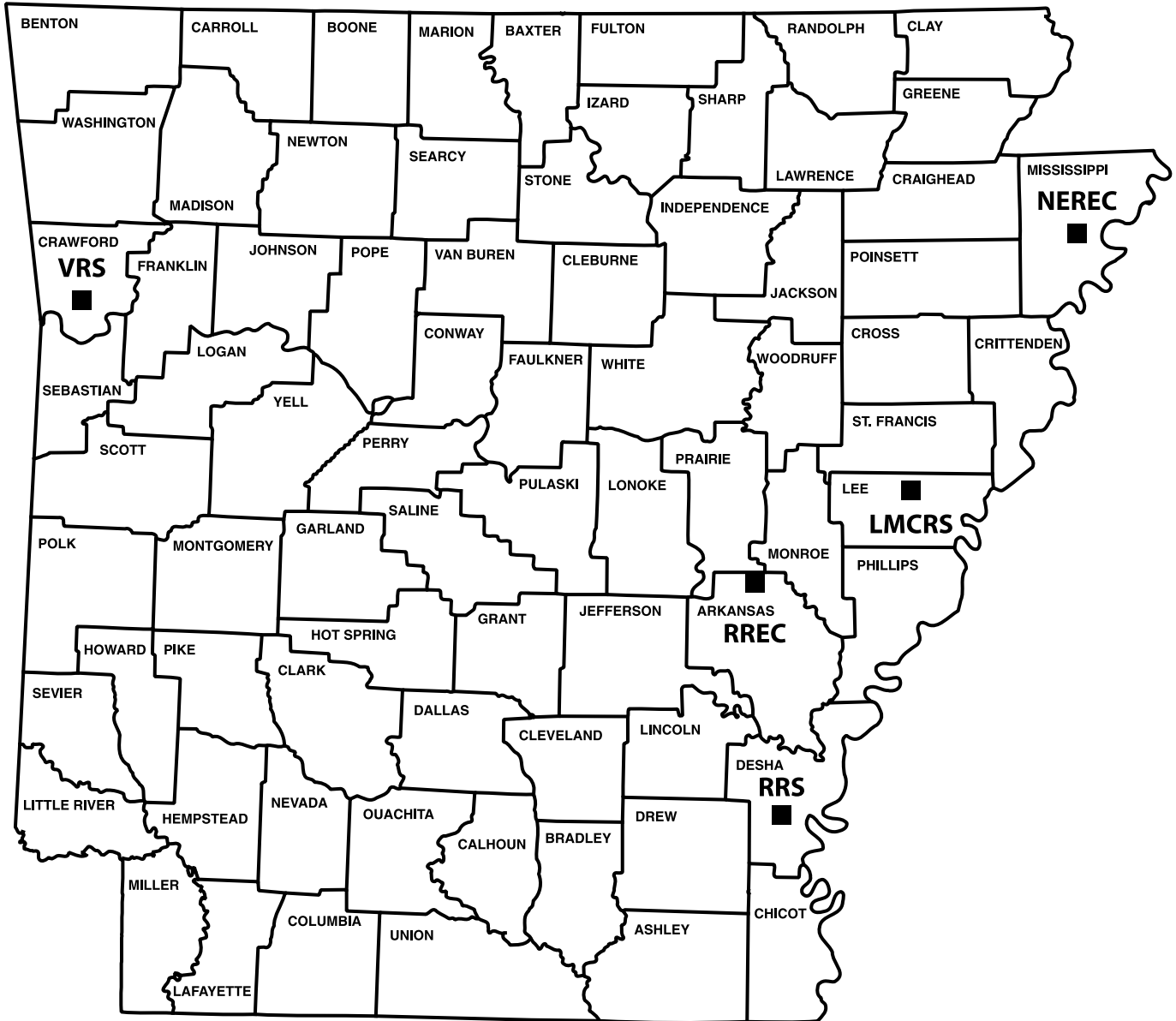
Participants and Entries
2011 Non-Roundup Ready™ and LibertyLink™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny 4910	4.9	Conv.	CruiserMaxx
	Progeny 4928 LL	4.9	LL	CruiserMaxx
	Progeny 5160LL	5.1	LL	CruiserMaxx
	Progeny 5191	5.1	Conv.	CruiserMaxx
	Progeny 5261LL	5.2	LL	CruiserMaxx
	Progeny 5460LL	5.4	LL	CruiserMaxx
	Progeny 5770	5.7	Conv.	CruiserMaxx
	Progeny 5960LL	5.9	LL	CruiserMaxx
Stine Seed Company 252 Blair Drive Marion, AR 72364	Stine 50LC82	5.0	LL	CruiserMaxx
Stratton Seed Company P.O. Box 1088 Stuttgart, AR 72160	Go Soy 4411LL	4.4	LL	CruiserMaxx
	Go Soy 4810LL	4.8	LL	CruiserMaxx
	Go Soy 5111LL	5.1	LL	CruiserMaxx
	Go Soy 5911LL	5.9	LL	CruiserMaxx
University of Arkansas 115 Plant Science Building Fayetteville, AR 72701	Hutcheson	5.3	Conv.	Apron Maxx
	Osage	5.6	Conv.	Apron Maxx
	Ozark	5.2	Conv.	Apron Maxx
	R04-357	5.6	Conv.	Apron Maxx
	R04-572	5.6	Conv.	Apron Maxx
	R05-235	5.7	Conv.	Apron Maxx
	R05-3239	4.9	Conv.	Apron Maxx
	R05-4114	4.9	Conv.	Apron Maxx
	R06-4433	5.6	Conv.	Apron Maxx
	UA 4910	4.9	Conv.	Apron Maxx

Participants and Entries
2011 Non-Roundup Ready™ and LibertyLink™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety/Strain</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
University of Missouri 147 State Hwy T Portageville, MO 63873	S08-17361	4.9	Conv.	Trilex 2000 + Gaucho 600
UniSouth Genetics, Inc. 2640-C Nolensville Road Nashville, TN 37211	USG 74G99L	4.9	LL	Apron Maxx + Cruiser
	USG 75G90L	5.9	LL	Apron Maxx + Cruiser
USDA-ARS 141 Experiment Station Road Stoneville, MS 38776	DB00-087-08	5.4	Conv.	Apron Maxx
	DB03-8416	5.5	Conv.	Apron Maxx
	DB04-10836	5.5	Conv.	Apron Maxx
	DB06-3442	5.2	Conv.	Apron Maxx
USDA-ARS 605 Airways Blvd. Jackson, TN 38301	JTN-5203	5.3	Conv.	Apron Maxx + Moly + Cruiser
US Seeds 1690 Jasmine Conway, AR 72034	HALO 4:65	4.6	LL	Trilex 2000 + Gaucho 600
	HALO 4:75	4.7	LL	Trilex 2000 + Gaucho 600
	HALO 4:94	4.9	LL	Trilex 2000 + Gaucho 600
	HALO 5:25	5.2	LL	Trilex 2000 + Gaucho 600
	HALO 5:65	5.6	LL	Trilex 2000 + Gaucho 600
Virginia Tech 509 Latham Hall, Virginia Tech Blacksburg, VA 24061	GLENN	5.3	Conv.	
	Hanover	4.9	Conv.	
	V03-3650	5.5	Conv.	
	V03-4660	4.9	Conv.	
	V04-1022	5.1	Conv.	

SOYBEAN TEST LOCATIONS



- LMCRS** - Lon Mann Cotton Research Station, Marianna, Arkansas
- NREC** - Northeast Research and Extension Center, Keiser, Arkansas
- RREC** - Rice Research and Extension Center, Stuttgart, Arkansas
- RRS** - Rohwer Research Station, Rohwer, Arkansas
- VRS** - Vegetable Research Station, Kibler, Arkansas

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