

12-1-2012

Arkansas Soybean Performance Tests 2012

R. D. Bond

University of Arkansas, Fayetteville

D. G. Dombek

University of Arkansas, Fayetteville

J. A. Still

University of Arkansas, Fayetteville

R. M. Pryor

University of Arkansas, Fayetteville

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Recommended Citation

Bond, R. D.; Dombek, D. G.; Still, J. A.; and Pryor, R. M., "Arkansas Soybean Performance Tests 2012" (2012). *Research Series*. 48.
<https://scholarworks.uark.edu/aaesser/48>

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Arkansas Soybean Performance Tests

2012



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 2012

Research Series 605

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; Clarence E. Watson, Associate Vice-President for Agriculture–Research and Director, AAES. PMC750/InddCS5.
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ISSN: 1941-1642 CODEN: AKAMA6

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**Arkansas Agricultural Experiment Station
University of Arkansas System
Division of Agriculture
Fayetteville, Arkansas 72701**

ACKNOWLEDGMENTS

The contributions of the following individuals are gratefully acknowledged:

Department of Plant Pathology, University of Arkansas, Fayetteville

Bob Robbins, Professor

John Rupe, Professor

Devany Crippen, Program Associate I

University of Arkansas Agricultural Research and Extension Center, Fayetteville

J.V. Skinner, Center Director

University of Arkansas Cooperative Extension Service, Little Rock

Michael Emerson, Extension Program Associate

Jeremy Ross, Extension Specialist - Soybeans

Northeast Research and Extension Center, Keiser

F.M. Bourland, Center Director

Max Wyss, Program Technician I

The Lon Mann Cotton Research Station, Marianna

Claude Kennedy, Resident Director

Bill Apple, Program Technician II

Southeast Research and Extension Center, Monticello

Kelly Bryant, Center Director

Larry Earnest, Superintendent, Rohwer Research Station

Randy Cingolani, Program Technician III, Rohwer Research Station

Rice Research and Extension Center, Stuttgart

Chuck Wilson, Center Director

Jonathan McCoy, Program Technician I

Southwest Research and Extension Center, Hope

T.L. Kirkpatrick, Professor

Kimberly Hurst-Rowe, Program Associate

Vegetable Research Station, Kibler

Dennis Motes, Resident Director

Steve Eaton, Program Associate III

VARIETY TESTING ADVISORY COMMITTEE

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ARKANSAS SOYBEAN PERFORMANCE TESTS¹ 2012

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 2012 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.

²Program Associate, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72701.

³Program Director, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72701.

⁴Program Technician, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72701.

⁵Program Assistant, Arkansas Agricultural Experiment Station, University of Arkansas, Fayetteville, Ark. 72701.

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser	Marianna	Poinsett ²		Silt ³	All-
				Co.	Rohwer	Loam Average	Location Average
.....bu/A.....							
<u>Maturity Group IV Early (RM 3.9 to 4.6)</u>							
Armor 44-R08	RR2	76.0	68.5	•	69.7	69.1	71.4
Armor 46-R42	RR2	85.9	62.4	•	61.7	62.0	70.0
Armor 46-R64	RR2	87.8	67.7	•	64.9	66.3	73.5
Armor X1303	RR2/STS	75.4	62.6	•	63.5	63.0	67.1
Armor X1304	RR2	90.8	66.3	•	67.7	67.0	74.9
Armor X1305	RR2/STS	85.3	57.6	•	63.3	60.4	68.7
ASGROW AG3833	RR2/STS	51.7	61.1	•	56.6	58.9	56.5
ASGROW AG4232	RR2/STS	77.6	66.0	•	64.8	65.4	69.4
ASGROW AG4531	RR2/STS	85.2	70.8	•	69.6	70.2	75.2
ASGROW AG4632	RR2/STS	95.9	59.1	•	69.8	64.4	74.9
Croplan R2C4391	RR2	82.6	67.2	•	68.7	67.9	72.8
Croplan R2C4541	RR2	88.9	67.2	•	65.5	66.3	73.9
Delta Grow 4575RR2	RR2	80.3	55.5	•	56.9	56.2	64.2
Delta Grow 4670RR2	RR2	92.5	67.9	•	70.3	69.1	76.9
Dyna-Gro 31RY45	RR2	92.3	65.9	•	65.5	65.7	74.6
Dyna-Gro 39RY43	RR2	81.4	62.1	•	67.9	65.0	70.5
LG C4411R2	RR2	81.1	66.9	•	63.0	64.9	70.3
LG C4625R2	RR2/STS	90.7	63.7	•	68.4	66.1	74.3
Morsoy Xtra 44X82	RR2	87.3	68.4	•	69.2	68.8	74.9
Morsoy Xtra 46X29	RR2/STS	90.5	61.7	•	71.2	66.4	74.5
Morsoy Xtra 46X71	RR2	84.0	70.8	•	67.8	69.3	74.2
Progeny 4211RY	RR2	83.4	72.3	•	67.9	70.1	74.5
Progeny 4510RY	RR2	88.1	66.4	•	71.8	69.1	75.4
Progeny 4611RY	RR2	91.8	65.1	•	66.0	65.6	74.3
S08-X14117	RR1	86.2	64.6	•	58.9	61.8	69.9
Schillinger 458.RCS	RR1/STS	95.7	66.2	•	68.0	67.1	76.6
GRAND MEAN		84.9	65.1	•	66.1	65.6	72.1
LSD (5%)		7.9	6.8	•	7.2	7.0	7.3
C.V.		7.9	8.9	•	9.2	9.0	8.7

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Poinsett ²				Silt ³	All-Location
		Keiser	Marianna	Co.	Rohwer	Loam Average	Average
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Armor 48-R40	RR2/STS	75.9	58.1	80.3	72.0	70.1	71.6
Armor 48-R91	RR2/STS	83.8	61.6	74.0	71.0	68.9	72.6
Armor 49-R56	RR2	98.0	55.5	77.2	71.9	68.2	75.7
Armor DK 4744	RR2/STS	83.3	56.6	73.4	72.6	67.5	71.5
Armor X1306	RR2	86.7	62.4	81.5	70.0	71.3	75.1
Armor X1307	RR2/STS	98.8	58.0	83.3	72.8	71.4	78.2
Armor X1308	RR2	82.2	57.6	87.1	63.1	69.3	72.5
Armor X1309	RR2	90.5	71.6	79.2	66.2	72.3	76.9
Armor X1311	RR2	88.5	58.7	78.8	65.2	67.6	72.8
Armor X1312	RR2	90.2	56.8	77.0	67.5	67.1	72.9
ASGROW AG4933	RR2	96.1	60.8	80.8	75.1	72.2	78.2
AvDX - D812	RR1	79.2	56.5	77.1	66.1	66.6	69.7
Croplan R2C4801S	RR2	86.3	57.9	58.4	65.9	60.7	67.1
Croplan R2T4799S	RR2	83.9	55.3	71.1	67.2	64.5	69.3
Delta Grow 4715RR2	RR2	74.3	51.1	76.6	65.4	64.4	66.9
Delta Grow 4755RR2	RR2	83.5	66.6	76.5	77.4	73.5	76.0
Delta Grow 4765RR2/STS	RR2/STS	97.0	61.2	89.2	69.7	73.4	79.3
Delta Grow 4815RR2	RR2	86.0	68.3	75.9	72.1	72.1	75.6
Delta Grow 4825 RR2/STS	RR2/STS	91.2	69.4	86.9	75.3	77.2	80.7
Delta Grow 4870RR2	RR2	86.8	59.8	84.4	60.1	68.1	72.8
Delta Grow 4875RR2/STS	RR2/STS	89.5	61.9	70.4	68.9	67.1	72.7
Delta Grow 4880RR	RR1	84.2	49.1	73.7	67.4	63.4	68.6
Delta Grow 4925RR2	RR2	93.4	64.3	87.8	66.1	72.7	77.9
Delta Grow 4970RR	RR1	93.2	62.9	77.6	62.3	67.6	74.0
Delta Grow 4975RR	RR1	79.5	56.3	73.7	57.9	62.6	66.8
Delta Grow 4980RR2	RR2	92.8	57.9	86.3	69.0	71.1	76.5
Dyna-Gro S48RS53	RR2/STS	100.0	58.5	87.3	73.1	72.9	79.7
LG C4780R2	RR2/STS	100.2	63.0	79.6	68.9	70.5	77.9
LG C4885R2	RR2/STS	89.5	58.2	68.2	60.6	62.3	69.1
Morsoy Xtra 47X12	RR2/STS	96.8	60.1	80.5	76.1	72.2	78.4
Morsoy Xtra 48X00	RR2/STS	79.8	57.6	69.0	70.8	65.8	69.3
Morsoy Xtra 48X02	RR2	90.2	60.1	88.0	71.5	73.2	77.4
Progeny 4710RY	RR2	87.8	50.5	78.8	66.4	65.2	70.9
Progeny 4747RY	RR2	89.0	55.0	73.7	70.4	66.3	72.0
Progeny 4814RY	RR2	83.3	56.8	73.4	63.5	64.6	69.2
Progeny 4850RY	RR2	97.3	58.6	84.7	71.2	71.5	78.0
Progeny 4900RY	RR2	96.4	56.9	75.0	74.7	68.8	75.7
Progeny 4920RY	RR2	90.3	54.5	81.3	64.2	66.7	72.6
REV [®] 47R53 [™]	RR1	79.5	61.1	70.2	67.2	66.2	69.5
REV [®] 48R10 [™]	RR1	76.6	58.9	62.5	68.5	63.3	66.6
REV [®] 48R22 [™]	RR1	87.0	54.2	73.7	69.3	65.7	71.0
REV [®] 48R33 [™]	RR1	69.0	59.6	65.8	62.1	62.5	64.1
REV [®] 49R10 [™]	RR1	76.7	54.8	71.7	61.6	62.7	66.2
REV [®] 49R11 [™]	RR1	80.7	48.6	60.9	65.9	58.5	64.0
REV [®] 49R43 [™]	RR1	80.7	50.9	74.4	61.1	62.1	66.8

Table 1. Yields of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Poinsett ²				Silt ³	All-Location
		Keiser	Marianna	Co.	Rohwer	Loam Average	Average
.....bu/A.....							
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>							
REV [®] 49R54™	RR1	75.8	54.6	70.7	68.1	64.5	67.3
S08-X2499	RR1	89.9	62.7	78.2	64.2	68.3	73.7
Schillinger 478.RCS	RR1/STS	89.6	61.4	79.1	69.2	69.9	74.9
Schillinger 495.RC	RR1	67.9	63.8	77.6	58.8	66.7	67.0
USG 74A79R	RR2	83.4	59.2	68.8	64.2	64.1	68.9
USG 74B81R	RR2	86.9	64.2	75.0	64.5	67.9	72.6
USG 74E88	RR1/STS	80.3	53.8	77.1	66.4	65.8	69.4
USG 74H92R	RR2	73.5	57.3	79.6	73.4	70.1	70.9
GRAND MEAN		86.3	58.7	76.7	67.8	67.7	72.4
LSD (5%)		8.2	7.4	8.3	7.7	7.8	7.9
C.V.		8.1	10.7	8.0	8.3	9.0	8.8

Maturity Group V (RM 5.0 to 5.3)

AgVenture 50K5RR™	RR1	85.0	72.4	83.1	71.4	75.6	78.0
Armor X1312-5	RR2	90.0	65.5	78.0	66.0	69.8	74.9
ASGROW AG5332	RR2	94.9	55.5	78.6	64.8	66.3	73.4
Croplan R2C5081	RR2	86.8	52.4	74.0	71.2	65.9	71.1
Croplan R2C5371	RR2	80.7	46.1	73.5	63.0	60.9	65.8
Delta Grow 5175RR2	RR2	87.0	50.5	85.3	64.8	66.9	71.9
Dyna-Gro 35RY51	RR2	86.1	54.9	81.0	67.1	67.7	72.3
Dyna-Gro S53RY23	RR2	89.7	48.2	78.2	61.2	62.5	69.3
Progeny 5111RY	RR2	85.2	50.7	78.0	59.2	62.6	68.3
Progeny 5210RY	RR2	86.5	56.9	79.6	62.6	66.3	71.4
Progeny 5388RY	RR2	80.2	29.8	87.5	53.2	56.8	62.7
REV [®] 51R53™	RR1	87.0	63.5	79.5	68.2	70.4	74.5
REV [®] 52R74™	RR1	84.4	49.9	77.9	70.1	66.0	70.6
REV [®] 53R23™	RR1	95.4	45.2	86.5	70.2	67.3	74.3
S08-X6399	RR1	85.9	63.9	78.7	67.9	70.2	74.1
S08-X7279	RR1	94.0	61.0	84.4	73.5	73.0	78.2
Schillinger 5220.RC	RR1	85.3	59.3	82.7	67.7	69.9	73.7
GRAND MEAN		87.3	54.5	80.4	66.0	66.9	72.0
LSD (5%)		6.7	6.5	8.0	5.2	6.6	6.6
C.V.		6.4	10.0	8.4	6.6	8.4	7.9

¹ Keiser = Northeast Research and Extension Center.

Marianna = Lon Mann Cotton Research Station.

Poinsett County = near Weiner, Ark.

Rohwer = Rohwer Research Station.

² Maturity Group IV Early yields from the Poinsett County location were not reported due to lack of uniformity.³ Average yield of the Marianna, Poinsett County, and Rohwer locations. The Maturity Group IV Early average yields in the "Silt Loam Average" column do not include the Poinsett County location.

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012.

Variety/Experimental Line	2012	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>							
ASGROW AG4632	95.9	92.3	•	9/17	1.5	1.0	37
Schillinger 458.RCS	95.7	89.4	86.2	9/26	1.3	1.0	37
Delta Grow 4670RR2	92.5	90.6	•	9/15	1.0	1.0	34
Dyna-Gro 31RY45	92.3	89.3	•	9/13	1.8	1.0	36
Progeny 4611RY	91.8	85.8	•	9/15	1.5	1.0	32
Armor X1304	90.8	•	•	9/12	1.0	1.0	31
LG C4625R2	90.7	•	•	9/16	1.6	1.0	36
Morsoy Xtra 46X29	90.5	89.0	•	9/15	2.0	1.0	33
Croplan R2C4541	88.9	•	•	9/14	1.0	1.0	34
Progeny 4510RY	88.1	86.5	83.4	9/16	1.3	1.0	28
Armor 46-R64	87.8	•	•	9/14	1.0	1.0	34
Morsoy Xtra 44X82	87.3	•	•	9/14	1.0	1.0	31
S08-X14117	86.2	•	•	9/10	1.0	1.0	37
Armor 46-R42	85.9	84.7	•	9/13	1.0	1.0	29
Armor X1305	85.3	•	•	9/13	1.0	1.0	34
ASGROW AG4531	85.2	•	•	9/15	1.0	1.0	32
Morsoy Xtra 46X71	84.0	87.6	•	9/15	1.0	1.0	34
Progeny 4211RY	83.4	87.8	•	9/14	1.6	1.0	31
Croplan R2C4391	82.6	•	•	9/16	1.0	1.0	33
Dyna-Gro 39RY43	81.4	85.8	•	9/15	1.5	1.0	35
LG C4411R2	81.1	•	•	9/13	1.3	1.0	29
Delta Grow 4575RR2	80.3	•	•	9/16	1.8	1.0	32
ASGROW AG4232	77.6	•	•	9/12	2.0	1.0	34
Armor 44-R08	76.0	•	•	9/15	1.3	1.0	35
Armor X1303	75.4	•	•	9/14	2.0	1.0	30
ASGROW AG3833	51.7	•	•	9/11	3.5	1.0	33
GRAND MEAN	84.9	•	•	9/14	1.4	1.0	33
LSD (5%)	7.9	•	•	2	0.5	•	•
C.V.	7.9	•	•	12	27.6	•	•

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
LG C4780R2	100.2	•	•	9/22	1.0	1.0	28
Dyna-Gro S48RS53	100.0	•	•	9/23	1.3	1.0	30
Armor X1307	98.8	•	•	9/22	1.0	1.0	39
Armor 49-R56	98.0	•	•	9/23	2.3	1.0	37
Progeny 4850RY	97.3	•	•	9/21	1.0	1.0	39
Delta Grow 4765RR2/STS	97.0	•	•	9/20	1.0	1.0	36
Morsoy Xtra 47X12	96.8	•	•	9/20	1.0	1.3	39
Progeny 4900RY	96.4	•	•	9/26	1.0	1.0	28
ASGROW AG4933	96.1	•	•	9/21	1.0	1.0	37
Delta Grow 4925RR2	93.4	•	•	9/23	1.0	1.0	37
Delta Grow 4970RR	93.2	85.0	84.1	9/23	2.0	1.0	36
Delta Grow 4980RR2	92.8	•	•	9/23	1.3	1.0	30
Delta Grow 4825 RR2/STS	91.2	•	•	9/25	1.5	1.0	34
Armor X1309	90.5	•	•	9/23	1.0	1.0	39
Progeny 4920RY	90.3	•	•	9/22	1.8	1.0	35
Armor X1312	90.2	•	•	9/23	1.0	1.0	32
Morsoy Xtra 48X02	90.2	•	•	9/23	1.0	1.0	31
S08-X2499	89.9	•	•	9/19	1.8	1.0	38
Schillinger 478.RCS	89.6	82.4	80.0	9/21	1.3	1.3	36
LG C4885R2	89.5	•	•	9/24	1.0	1.0	33
Delta Grow 4875RR2/STS	89.5	•	•	9/23	2.3	1.0	39
Progeny 4747RY	89.0	•	•	9/22	1.0	1.0	32
Armor X1311	88.5	•	•	9/23	1.0	1.0	31
Progeny 4710RY	87.8	83.0	81.7	9/23	1.3	1.0	34
REV®48R22™	87.0	82.1	81.1	9/21	1.8	1.0	35
USG 74B81R	86.9	83.3	•	9/22	1.6	1.0	32
Delta Grow 4870RR2	86.8	•	•	9/21	1.3	1.0	30
Armor X1306	86.7	•	•	9/22	1.0	1.3	31
Croplan R2C4801S	86.3	•	•	9/21	2.0	1.0	39
Delta Grow 4815RR2	86.0	•	•	9/22	1.0	1.0	31
Delta Grow 4880RR	84.2	82.2	81.8	9/21	1.8	1.0	34
Croplan R2T4799S	83.9	•	•	9/23	1.3	1.0	33
Armor 48-R91	83.8	•	•	9/21	2.0	1.0	35
Delta Grow 4755RR2	83.5	•	•	9/24	1.0	1.3	36
USG 74A79R	83.4	84.3	•	9/20	1.6	1.1	32
Progeny 4814RY	83.3	•	•	9/21	1.5	1.0	32
Armor DK 4744	83.3	86.0	83.5	9/23	1.3	1.0	26
Armor X1308	82.2	•	•	9/23	1.8	1.0	34
REV®49R43™	80.7	82.5	•	9/25	1.3	1.0	34
REV®49R11™	80.7	81.6	82.7	9/22	1.3	1.5	33
USG 74E88	80.3	82.5	•	9/22	1.3	1.0	31
Morsoy Xtra 48X00	79.8	81.8	81.8	9/22	1.8	1.5	33
Delta Grow 4975RR	79.5	80.6	80.2	9/22	2.3	1.0	34

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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) Continued</u>							
REV [®] 47R53™	79.5	83.9	•	9/20	2.0	1.5	34
AvDX - D812	79.2	•	•	9/24	2.5	1.0	36
REV [®] 49R10™	76.7	77.3	•	9/22	3.5	1.0	30
REV [®] 48R10™	76.6	77.6	76.7	9/21	1.5	1.0	38
Aarmor 48-R40	75.9	80.9	•	9/22	1.8	1.8	40
REV [®] 49R54™	75.8	•	•	9/23	2.5	1.3	32
Delta Grow 4715RR2	74.3	•	•	9/24	1.5	1.0	35
USG 74H92R	73.5	•	•	9/22	1.3	1.0	35
REV [®] 48R33™	69.0	77.3	•	9/23	2.3	1.0	37
Schillinger 495.RC	67.9	71.0	73.9	9/23	3.3	1.3	36
GRAND MEAN	86.3	•	•	9/22	1.5	1.1	34
LSD (5%)	8.2	•	•	2	0.9	0.4	•
C.V.	8.1	•	•	10	50.9	30.4	•
<u>Maturity Group V (RM 5.0 to 5.3)</u>							
REV [®] 53R23™	95.4	•	•	9/24	1.0	1.0	27
ASGROW AG5332	94.9	•	•	9/25	1.8	1.0	34
S08-X7279	94.0	•	•	9/24	1.3	1.0	35
Aarmor X1312-5	90.0	•	•	9/26	1.0	1.0	32
Dyna-Gro S53RY23	89.7	•	•	9/21	1.0	1.0	32
Delta Grow 5175RR2	87.0	•	•	9/22	1.0	1.3	31
REV [®] 51R53™	87.0	86.7	•	9/25	1.0	1.0	35
Croplan R2C5081	86.8	82.2	•	9/24	1.0	1.0	39
Progeny 5210RY	86.5	78.1	73.6	9/22	1.0	1.0	31
Dyna-Gro 35RY51	86.1	•	•	9/23	1.0	1.0	30
S08-X6399	85.9	•	•	9/23	1.3	1.0	40
Schillinger 5220.RC	85.3	•	•	9/23	1.0	1.0	33
Progeny 5111RY	85.2	79.5	•	9/23	1.3	1.3	44
AgVenture 50K5RR™	85.0	•	•	9/25	1.3	1.0	32
REV [®] 52R74™	84.4	•	•	9/24	2.0	1.0	32
Croplan R2C5371	80.7	•	•	9/26	1.0	1.0	29
Progeny 5388RY	80.2	•	•	9/25	1.3	1.0	48
GRAND MEAN	87.3	•	•	9/23	1.2	1.0	34
LSD (5%)	6.7	•	•	2	0.5	0.2	•
C.V.	6.4	•	•	7	39.3	16.2	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, and 2012.

Table 2. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Soil Series	Sharkey silty clay
Previous Crop	Soybean
Row Width	Four 7.5-inch rows on two 38-inch beds
Planting Date	4/18
Herbicide Applications	Valor + Roundup + Prowl, 4/19; Roundup + Flexstar, 5/23
Irrigation Dates	5/29, 6/14, 6/26, 7/6, 7/24, 8/7, 8/16
Harvest Dates	MG 4E, 10/9; MG 4L, 10/9; MG 5, 10/9

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2012	1.2	4.2	2.5	2.4	1.2	7.0	18.4
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	-3.6	-1.2	-1.5	-1.6	-1.3	3.8	-5.4

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2012.

Variety/Experimental Line	2012	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	72.3	76.9	•	8/13	1.8	1.3	35
ASGROW AG4531	70.8	•	•	8/21	1.7	0.8	34
Morsoy Xtra 46X71	70.8	75.1	•	8/20	1.1	0.5	31
Armor 44-R08	68.5	•	•	8/15	2.3	0.7	37
Morsoy Xtra 44X82	68.4	•	•	8/13	1.8	1.2	34
Delta Grow 4670RR2	67.9	73.6	•	8/19	1.8	1.5	34
Armor 46-R64	67.7	•	•	8/23	1.1	0.8	38
Croplan R2C4541	67.2	•	•	8/19	2.5	0.8	36
Croplan R2C4391	67.2	•	•	8/17	2.7	1.1	34
LG C4411R2	66.9	•	•	8/11	2.5	1.3	31
Progeny 4510RY	66.4	70.5	66.5	8/22	2.0	1.0	35
Armor X1304	66.3	•	•	8/13	1.0	0.8	32
Schillinger 458.RCS	66.2	72.0	66.4	8/27	1.3	1.0	33
ASGROW AG4232	66.0	•	•	8/19	1.3	0.5	33
Dyna-Gro 31RY45	65.9	69.4	•	8/23	2.5	1.0	35
Progeny 4611RY	65.1	73.0	•	8/20	1.3	0.8	37
S08-X14117	64.6	•	•	8/11	1.7	1.3	36
LG C4625R2	63.7	•	•	8/23	1.5	0.8	34
Armor X1303	62.6	•	•	8/14	1.5	1.0	30
Armor 46-R42	62.4	67.4	•	8/14	1.4	1.7	38
Dyna-Gro 39RY43	62.1	70.6	•	8/15	1.8	0.8	26
Morsoy Xtra 46X29	61.7	68.3	•	8/22	1.8	0.8	33
ASGROW AG3833	61.1	•	•	8/09	2.2	2.2	29
ASGROW AG4632	59.1	67.6	•	8/23	2.0	1.1	36
Armor X1305	57.6	•	•	8/13	1.3	1.4	28
Delta Grow 4575RR2	55.5	•	•	8/10	1.3	2.0	32
GRAND MEAN	65.1	•	•	8/17	1.7	1.1	34
LSD (5%)	6.8	•	•	4	0.8	0.7	•
C.V.	8.9	•	•	21	40.1	52.7	•

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 X1309	71.6	•	•	8/26	2.0	1.4	45
Delta Grow 4825 RR2/STS	69.4	•	•	8/30	2.8	1.3	32
Delta Grow 4815RR2	68.3	•	•	8/18	4.1	2.2	32
Delta Grow 4755RR2	66.6	•	•	8/22	2.3	2.5	36
Delta Grow 4925RR2	64.3	•	•	8/25	2.4	2.1	39
USG 74B81R	64.2	68.6	•	8/24	3.6	1.0	42
Schillinger 495.RC	63.8	62.8	61.6	8/28	4.0	1.4	37
LG C4780R2	63.0	•	•	8/23	2.5	1.8	34
Delta Grow 4970RR	62.9	58.1	58.1	8/25	3.5	1.8	42
S08-X2499	62.7	•	•	8/29	2.0	1.0	38
Armor X1306	62.4	•	•	8/23	2.4	2.4	40
Delta Grow 4875RR2/STS	61.9	•	•	8/19	2.7	2.1	40
Armor 48-R91	61.6	•	•	8/19	3.0	2.7	37
Schillinger 478.RCS	61.4	61.6	60.7	8/28	2.3	2.0	39
Delta Grow 4765RR2/STS	61.2	•	•	8/22	2.5	2.3	41
REV®47R53™	61.1	63.2	•	8/21	4.0	1.7	34
ASGROW AG4933	60.8	•	•	8/19	2.4	2.4	31
Morsoy Xtra 47X12	60.1	•	•	8/23	2.8	2.0	42
Morsoy Xtra 48X02	60.1	•	•	8/21	2.0	2.8	33
Delta Grow 4870RR2	59.8	•	•	8/15	4.0	2.0	28
REV®48R33™	59.6	67.2	•	8/17	4.0	1.8	35
USG 74A79R	59.2	62.4	•	8/27	2.0	1.7	32
REV®48R10™	58.9	59.9	58.9	8/15	4.0	2.9	34
Armor X1311	58.7	•	•	8/21	2.8	1.0	34
Progeny 4850RY	58.6	•	•	8/23	2.0	2.0	35
Dyna-Gro S48RS53	58.5	•	•	8/20	2.0	2.4	36
LG C4885R2	58.2	•	•	8/25	4.0	1.4	47
Armor 48-R40	58.1	63.6	•	8/21	3.0	1.5	34
Armor X1307	58.0	•	•	8/25	2.0	1.8	40
Croplan R2C4801S	57.9	•	•	8/14	2.7	2.7	44
Delta Grow 4980RR2	57.9	•	•	8/21	3.3	1.4	32
Armor X1308	57.6	•	•	8/16	4.0	2.8	33
Morsoy Xtra 48X00	57.6	60.0	59.8	8/23	3.0	2.6	32
USG 74H92R	57.3	•	•	8/24	3.0	1.0	33
Progeny 4900RY	56.9	•	•	8/17	2.0	2.4	30
Progeny 4814RY	56.8	•	•	8/17	2.3	1.8	33
Armor X1312	56.8	•	•	8/26	2.3	1.5	36
Armor DK 4744	56.6	61.2	60.0	8/23	2.3	1.3	31
AvDX - D812	56.5	•	•	8/15	3.8	2.0	39
Delta Grow 4975RR	56.3	60.9	61.6	8/24	4.4	1.7	39
Armor 49-R56	55.5	•	•	8/20	2.0	2.4	28
Croplan R2T4799S	55.3	•	•	8/19	3.3	2.3	29
Progeny 4747RY	55.0	•	•	8/19	2.5	2.5	39

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2012, Continued.

Variety/Experimental Line	2012	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) Continued</u>							
REV [®] 49R10™	54.8	60.5	•	8/22	4.3	2.8	40
REV [®] 49R54™	54.6	•	•	8/27	3.8	2.5	44
Progeny 4920RY	54.5	•	•	8/21	3.3	1.5	34
REV [®] 48R22™	54.2	58.8	58.5	8/21	3.0	2.3	37
USG 74E88	53.8	63.4	•	8/20	2.5	2.0	42
Delta Grow 4715RR2	51.1	•	•	8/22	2.7	2.7	37
REV [®] 49R43™	50.9	59.2	•	8/24	3.3	2.5	34
Progeny 4710RY	50.5	56.8	57.2	8/21	2.3	1.1	31
Delta Grow 4880RR	49.1	54.2	55.3	8/24	3.3	2.3	32
REV [®] 49R11™	48.6	58.2	57.1	8/17	2.7	2.7	35
GRAND MEAN	58.7	•	•	8/21	2.9	2.0	36
LSD (5%)	7.4	•	•	4	0.8	0.7	•
C.V.	10.7	•	•	15	22.2	30.7	•
<u>Maturity Group V (RM 5.0 to 5.3)</u>							
AgVenture 50K5RR™	72.4	•	•	09/03	1.9	1.1	33
Armor X1312-5	65.5	•	•	08/31	3.3	2.0	32
S08-X6399	63.9	•	•	08/26	2.5	2.3	38
REV [®] 51R53™	63.5	69.0	•	09/01	1.8	1.8	31
S08-X7279	61.0	•	•	09/07	2.5	2.0	43
Schillinger 5220.RC	59.3	•	•	09/03	2.5	2.5	37
Progeny 5210RY	56.9	57.8	54.9	09/08	1.5	1.0	30
ASGROW AG5332	55.5	•	•	08/28	2.8	2.0	26
Dyna-Gro 35RY51	54.9	•	•	09/05	1.3	1.5	31
Croplan R2C5081	52.4	56.4	•	09/09	1.1	1.3	25
Progeny 5111RY	50.7	57.5	•	08/30	3.0	3.8	42
Delta Grow 5175RR2	50.5	•	•	09/09	1.8	2.6	31
REV [®] 52R74™	49.9	•	•	08/31	3.0	3.8	40
Dyna-Gro S53RY23	48.2	•	•	09/09	1.5	2.0	28
Croplan R2C5371	46.1	•	•	09/12	1.0	1.0	28
REV [®] 53R23™	45.2	•	•	09/07	0.9	1.5	26
Progeny 5388RY	29.8	•	•	10/11	2.3	1.0	57
GRAND MEAN	54.5	•	•	09/06	2.0	1.9	34
LSD (5%)	6.5	•	•	4	0.7	0.8	•
C.V.	10.0	•	•	10	27.8	33.0	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, and 2012.

Table 3. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark. 2012, Continued.

Soil Series	Calloway silt loam
Previous Crop	Soybean
Row Width	Four 7.5-inch rows on two 38-inch beds
Fertilizer Applied	100 lb/A K, 3/29
Planting Date	4/17
Herbicide Applications	Valor, 4/19; Roundup + Dual Magnum, 5/11
Insecticide Applications	Orthene, 7/18; Belt + Brigade, 9/3
Fungicide Applications	Quadris, 7/18
Irrigation Dates	5/23, 6/16, 6/22, 6/27, 7/1, 7/6, 7/20, 8/3, 8/10
Harvest Dates	MG 4E, 9/4; MG 4L, 9/12; MG 5, 9/25

	Precipitation (inches)						Total
	April	May	June	July	August	Sept.	
2012	1.1	1.5	0.8	2.6	1.2	4.9	12.0
Average	5.0	5.1	3.9	3.8	2.6	2.5	23.0
Departure	-3.9	-3.6	-3.1	-1.2	-1.4	2.3	-11.0

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Poinsett County, Ark., 2012.

Variety/Experimental Line	2012	2-Year ¹ Average	3-Year ¹ Average	Lodging Score	Shatter Score	Plant Height
.....bu/A.....						
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>						
Delta Grow 4765RR2/STS	89.2	•	•	1.0	1.0	26
Morsoy Xtra 48X02	88.0	•	•	1.0	1.0	24
Delta Grow 4925RR2	87.8	•	•	1.0	1.0	29
Dyna-Gro S48RS53	87.3	•	•	1.0	1.0	25
Armor X1308	87.1	•	•	1.0	1.0	27
Delta Grow 4825 RR2/STS	86.9	•	•	1.0	1.0	22
Delta Grow 4980RR2	86.3	•	•	1.0	1.0	29
Progeny 4850RY	84.7	•	•	1.0	1.0	23
Delta Grow 4870RR2	84.4	•	•	1.0	1.0	24
Armor X1307	83.3	•	•	1.0	1.0	24
Armor X1306	81.5	•	•	1.0	1.0	24
Progeny 4920RY	81.3	•	•	1.0	1.0	27
ASGROW AG4933	80.8	•	•	1.0	1.0	24
Morsoy Xtra 47X12	80.5	•	•	1.0	1.0	25
Armor 48-R40	80.3	•	•	1.0	1.0	24
LG C4780R2	79.6	•	•	1.0	1.0	23
USG 74H92R	79.6	•	•	1.0	1.0	27
Armor X1309	79.2	•	•	1.0	1.0	28
Schillinger 478.RCS	79.1	•	•	1.0	1.0	29
Armor X1311	78.8	•	•	1.0	1.0	25
Progeny 4710RY	78.8	•	•	1.0	1.0	20
S08-X2499	78.2	•	•	1.0	1.0	29
Delta Grow 4970RR	77.6	•	•	1.0	1.0	26
Schillinger 495.RC	77.6	•	•	1.0	1.0	27
Armor 49-R56	77.2	•	•	1.0	1.0	21
AvDX - D812	77.1	•	•	1.0	1.0	26
USG 74E88	77.1	•	•	1.0	1.0	23
Armor X1312	77.0	•	•	1.0	1.0	24
Delta Grow 4715RR2	76.6	•	•	1.0	1.0	26
Delta Grow 4755RR2	76.5	•	•	1.0	1.0	24
Delta Grow 4815RR2	75.9	•	•	1.0	1.0	25
USG 74B81R	75.0	•	•	1.0	1.0	26
Progeny 4900RY	75.0	•	•	1.0	1.0	22
REV [®] 49R43™	74.4	•	•	1.0	1.0	22
Armor 48-R91	74.0	•	•	1.0	1.0	26
Delta Grow 4975RR	73.7	•	•	1.0	1.0	28
Delta Grow 4880RR	73.7	•	•	1.0	1.0	24
REV [®] 48R22™	73.7	•	•	1.0	1.0	27
Progeny 4747RY	73.7	•	•	1.0	1.0	25
Progeny 4814RY	73.4	•	•	1.0	1.0	23
Armor DK 4744	73.4	•	•	1.0	1.0	23
REV [®] 49R10™	71.7	•	•	1.0	1.0	27
Croplan R2T4799S	71.1	•	•	1.0	1.0	21

Table 4. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Poinsett County, Ark., 2012¹, Continued.

Variety/Experimental Line	2012	2-Year ² Average	3-Year ² Average	Lodging Score	Shatter Score	Plant Height
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.....bu/A.....

Maturity Group IV Late (RM 4.7 to 4.9) Continued

REV [®] 49R54™	70.7	•	•	1.0	1.0	27
Delta Grow 4875RR2/STS	70.4	•	•	1.0	1.0	25
REV [®] 47R53™	70.2	•	•	1.0	1.0	24
Morsoy Xtra 48X00	69.0	•	•	1.0	1.0	21
USG 74A79R	68.8	•	•	1.0	1.0	20
LG C4885R2	68.2	•	•	1.0	1.0	29
REV [®] 48R33™	65.8	•	•	1.0	1.0	25
REV [®] 48R10™	62.5	•	•	1.0	1.0	22
REV [®] 49R11™	60.9	•	•	1.0	1.0	23
Croplan R2C4801S	58.4	•	•	1.0	1.0	25
GRAND MEAN	76.7	•	•	1.0	1.0	25
LSD (5%)	8.3	•	•	•	•	•
C.V.	8.0	•	•	•	•	•

Maturity Group V (RM 5.0 to 5.3)

Progeny 5388RY	87.5	•	•	1.0	1.0	46
REV [®] 53R23™	86.5	•	•	1.0	1.0	25
Delta Grow 5175RR2	85.3	•	•	1.0	1.0	28
S08-X7279	84.4	•	•	1.0	1.0	27
AgVenture 50K5RR™	83.1	•	•	1.0	1.0	23
Schillinger 5220.RC	82.7	•	•	1.0	1.0	29
Dyna-Gro 35RY51	81.0	•	•	1.0	1.0	24
Progeny 5210RY	79.6	•	•	1.0	1.0	21
REV [®] 51R53™	79.5	•	•	1.0	1.0	21
S08-X6399	78.7	•	•	1.0	1.0	28
ASGROW AG5332	78.6	•	•	1.0	1.0	20
Dyna-Gro S53RY23	78.2	•	•	1.0	1.0	22
Armor X1312-5	78.0	•	•	1.0	1.0	22
Progeny 5111RY	78.0	•	•	1.0	1.0	32
REV [®] 52R74™	77.9	•	•	1.0	1.0	22
Croplan R2C5081	74.0	•	•	1.0	1.0	25
Croplan R2C5371	73.5	•	•	1.0	1.0	20
GRAND MEAN	80.4	•	•	1.0	1.0	26
LSD (5%)	8.0	•	•	•	•	•
C.V.	8.4	•	•	•	•	•

¹MG 4 Early yields were not reported due to lack of uniformity.

²2012 was the first year at this location, therefore, there are no 2 and 3 year averages.

Soil Series	Henry silt loam
Previous Crop	Soybean
Row Width	15 inches
Fertilizer Applied	60 lb/A P, 90 lb/A K, 4/7
Planting Date	4/10
Herbicide Applications	Warrant, 4/8; Rounup PowerMax, 5/10, 6/4
Insecticide Applications	N/A
Fungicide Applications	N/A
Irrigation Dates	6/20, 6/28, 7/5, 7/12, 7/19, 7/26, 8/3, 8/11, 8/17, 8/25
Harvest Dates	MG 4L, 9/12; MG 5, 10/2

Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012.

Variety/Experimental Line	2012	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 4510RY	71.8	76.1	73.0	8/27	1.0	1.0	41
Morsoy Xtra 46X29	71.2	75.1	•	8/29	1.3	1.0	39
Delta Grow 4670RR2	70.3	74.9	•	8/29	1.0	1.0	39
ASGROW AG4632	69.8	75.6	•	8/30	1.7	1.0	40
Armor 44-R08	69.7	•	•	8/26	1.0	1.0	37
ASGROW AG4531	69.6	•	•	8/29	1.0	1.0	39
Morsoy Xtra 44X82	69.2	•	•	8/26	1.0	1.0	38
Croplan R2C4391	68.7	•	•	8/24	1.3	1.0	36
LG C4625R2	68.4	•	•	8/28	1.0	1.0	39
Schillinger 458.RCS	68.0	72.2	71.9	8/30	1.3	1.0	43
Progeny 4211RY	67.9	76.1	•	8/23	1.0	1.0	35
Dyna-Gro 39RY43	67.9	74.6	•	8/24	1.3	1.0	39
Morsoy Xtra 46X71	67.8	73.4	•	8/29	1.0	1.0	36
Armor X1304	67.7	•	•	8/20	1.0	1.0	39
Progeny 4611RY	66.0	70.4	•	8/28	1.0	1.0	41
Croplan R2C4541	65.5	•	•	8/29	1.0	1.0	35
Dyna-Gro 31RY45	65.5	73.6	•	8/28	1.0	1.0	38
Armor 46-R64	64.9	•	•	8/29	1.0	1.0	38
ASGROW AG4232	64.8	•	•	8/20	2.5	1.0	38
Armor X1303	63.5	•	•	8/17	1.0	1.0	38
Armor X1305	63.3	•	•	8/22	1.0	1.0	33
LG C4411R2	63.0	•	•	8/20	1.0	1.0	31
Armor 46-R42	61.7	70.3	•	8/22	1.0	1.0	35
S08-X14117	58.9	•	•	8/19	1.3	1.0	41
Delta Grow 4575RR2	56.9	•	•	8/17	1.1	1.0	39
ASGROW AG3833	56.6	•	•	8/17	1.0	1.0	40
GRAND MEAN	66.1	•	•	8/24	1.1	1.0	38
LSD (5%)	7.2	•	•	2	0.4	•	•
C.V.	9.2	•	•	5	26.6	•	•

Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
Delta Grow 4755RR2	77.4	•	•	8/27	2.0	1.0	42
Morsoy Xtra 47X12	76.1	•	•	8/27	1.0	1.0	46
Delta Grow 4825 RR2/STS	75.3	•	•	9/01	2.0	1.0	39
ASGROW AG4933	75.1	•	•	8/27	1.0	1.0	42
Progeny 4900RY	74.7	•	•	8/30	1.0	1.0	41
USG 74H92R	73.4	•	•	8/31	2.3	1.0	44
Dyna-Gro S48RS53	73.1	•	•	8/27	1.0	1.0	48
Armor X1307	72.8	•	•	8/28	1.0	1.0	45
Armor DK 4744	72.6	75.6	70.6	8/28	1.0	1.0	40
Delta Grow 4815RR2	72.1	•	•	8/27	1.0	1.0	41
Armor 48-R40	72.0	78.0	•	8/27	1.3	1.0	46
Armor 49-R56	71.9	•	•	8/30	1.0	1.0	36
Morsoy Xtra 48X02	71.5	•	•	8/26	1.7	1.0	42
Progeny 4850RY	71.2	•	•	8/28	1.3	1.0	47
Armor 48-R91	71.0	•	•	8/26	2.0	1.0	45
Morsoy Xtra 48X00	70.8	73.8	70.7	8/28	1.0	1.0	41
Progeny 4747RY	70.4	•	•	8/28	1.3	1.0	42
Armor X1306	70.0	•	•	8/27	1.7	1.0	42
Delta Grow 4765RR2/STS	69.7	•	•	8/26	1.3	1.0	48
REV®48R22™	69.3	72.2	69.5	8/28	2.0	1.0	44
Schillinger 478.RCS	69.2	72.5	70.4	9/02	1.0	1.0	41
Delta Grow 4980RR2	69.0	•	•	9/01	1.7	1.0	41
LG C4780R2	68.9	•	•	8/29	1.0	1.0	46
Delta Grow 4875RR2/STS	68.9	•	•	8/27	2.0	1.0	49
REV®48R10™	68.5	74.0	68.6	8/27	2.3	1.0	49
REV®49R54™	68.1	•	•	8/30	3.0	1.0	50
Armor X1312	67.5	•	•	9/03	1.0	1.0	41
Delta Grow 4880RR	67.4	75.6	71.3	9/01	1.7	1.0	42
REV®47R53™	67.2	74.1	•	8/24	1.7	1.0	42
Croplan R2T4799S	67.2	•	•	8/28	1.3	1.0	42
USG 74E88	66.4	73.5	•	8/30	1.1	1.0	44
Progeny 4710RY	66.4	70.4	70.2	8/31	1.0	1.0	39
Armor X1309	66.2	•	•	8/30	2.0	1.0	50
AvDX - D812	66.1	•	•	8/25	1.7	1.0	39
Delta Grow 4925RR2	66.1	•	•	8/31	1.0	1.0	45
REV®49R11™	65.9	74.7	71.3	8/26	1.0	1.0	37
Croplan R2C4801S	65.9	•	•	8/26	2.0	1.0	50
Delta Grow 4715RR2	65.4	•	•	8/28	1.7	1.0	45
Armor X1311	65.2	•	•	8/29	2.3	1.0	42
USG 74B81R	64.5	71.5	•	8/26	1.4	1.0	49
Progeny 4920RY	64.2	•	•	8/30	1.7	1.0	41
USG 74A79R	64.2	68.5	•	9/01	1.3	1.0	36
S08-X2499	64.2	•	•	9/02	1.7	1.0	49

Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Variety/Experimental Line	2012	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) Continued</u>							
Progeny 4814RY	63.5	•	•	8/27	1.0	1.0	38
Armor X1308	63.1	•	•	8/24	1.3	1.0	42
Delta Grow 4970RR	62.3	67.2	65.3	8/29	1.7	1.0	45
REV®48R33™	62.1	72.6	•	8/24	2.3	1.0	44
REV®49R10™	61.6	66.8	•	8/30	3.0	1.0	49
REV®49R43™	61.1	69.1	•	8/28	1.3	1.0	44
LG C4885R2	60.6	•	•	8/27	1.7	1.0	42
Delta Grow 4870RR2	60.1	•	•	8/26	1.0	1.0	41
Schillinger 495.RC	58.8	68.2	66.6	9/03	3.3	1.0	46
Delta Grow 4975RR	57.9	65.4	63.9	9/02	3.7	1.0	46
GRAND MEAN	67.8	•	•	8/28	1.6	1.0	44
LSD (5%)	7.7	•	•	3	0.6	•	•
C.V.	8.3	•	•	7	26.8	•	•
<u>Maturity Group V (RM 5.0 to 5.3)</u>							
S08-X7279	73.5	•	•	9/11	2.8	1.0	47
AgVenture 50K5RR™	71.4	•	•	9/10	1.0	1.0	42
Croplan R2C5081	71.2	74.7	•	9/07	1.0	1.0	41
REV®53R23™	70.2	•	•	9/09	1.0	1.0	28
REV®52R74™	70.1	•	•	9/01	2.3	1.0	42
REV®51R53™	68.2	71.6	•	9/06	1.8	1.0	40
S08-X6399	67.9	•	•	8/31	2.4	1.0	49
Schillinger 5220.RC	67.7	•	•	9/14	2.0	1.0	43
Dyna-Gro 35RY51	67.1	•	•	9/08	1.0	1.0	38
Armor X1312-5	66.0	•	•	9/04	1.3	1.0	42
Delta Grow 5175RR2	64.8	•	•	9/12	1.3	1.0	34
ASGROW AG5332	64.8	•	•	9/06	4.3	1.0	38
Croplan R2C5371	63.0	•	•	9/11	1.0	1.0	34
Progeny 5210RY	62.6	61.8	57.2	9/08	1.5	1.0	37
Dyna-Gro S53RY23	61.2	•	•	9/11	2.0	1.0	38
Progeny 5111RY	59.2	67.1	•	9/16	2.8	1.0	49
Progeny 5388RY	53.2	•	•	9/17	2.0	1.0	57
GRAND MEAN	66.0	•	•	9/08	1.8	1.0	41
LSD (5%)	5.2	•	•	2	0.8	•	•
C.V.	6.6	•	•	4	38.5	•	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, and 2012.

Table 5. Performance of Irrigated, Early Planted, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Soil Series	Sharkey Desha silt loam
Previous Crop	Corn
Row Width	19 in
Fertilizer Applied	60 lb/A K, 3/6
Planting Date	4/25
Herbicide Applications	Dual Magnum, 4/30; Roundup PowerMax, 5/3, 6/6
Insecticide Applications	N/A
Irrigation Dates	5/22, 6/4, 6/11, 6/22, 7/2, 8/1
Harvest Dates	MG 4E, 9/6; MG 4L, 9/10; MG 5, 9/26

	Precipitation (inches)					
	April	May	June	July	August	Total
2012	3.0	0.7	4.2	2.6	7.1	17.5
Average	4.6	5.1	3.5	3.3	2.5	19.0
Departure	-1.6	-4.4	0.7	-0.7	4.6	-1.5

Table 6. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2012¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Keiser Double-Crop				Stuttgart				Silt ³				All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Irrigated	Keiser Non-Irrigated	Marianna Irrigated	Marianna Non-Irrigated	Stuttgart Irrigated	Stuttgart Non-Irrigated	Rohwer Irrigated	Rohwer Non-Irrigated	Kibler ² Irrigated	Kibler ² Non-Irrigated	Loam Average	Clay ⁴ Average			
<u>Maturity Group IV Early (RM 4.0 to 4.6)</u>																		
Go Soy 4411 LL	LL	89.8	36.7	63.4	63.0	79.1	45.3	•	71.0	58.8	62.9							
HALO 4:65	LL	84.8	43.9	70.0	60.3	78.7	41.0	•	69.5	59.9	63.1							
HALO X456	LL	80.5	43.9	65.9	63.3	76.0	47.3	•	69.6	59.4	62.8							
Pioneer 94Y40 ⁵	RR1	86.3	41.2	63.1	59.1	77.7	41.1	•	68.4	57.9	61.4							
GRAND MEAN		85.3	41.5	65.6	61.4	77.9	43.7	•	69.6	59.0	62.6							
LSD (5%)		5.6	7.1	6.1	5.9	3.1	6.0	•	•	•	•							
C.V.		4.1	10.4	5.8	6.0	2.5	8.6	•	•	•	•							
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>																		
ARMOR 49-C3	Conv.	83.5	62.2	62.0	73.7	77.2	58.8	•	75.5	66.6	69.6							
Croplan LC4880	LL	76.0	51.2	60.8	52.3	71.3	45.3	•	61.8	58.3	59.5							
Delta Grow 4867LL	LL	72.6	41.8	68.3	53.6	71.6	42.5	•	62.6	56.3	58.4							
Delta Grow 4967LL	LL	76.6	59.1	70.1	71.5	79.4	49.1	•	75.5	63.7	67.6							
Delta Grow 4990LL	LL	77.7	53.2	65.6	58.6	76.7	50.3	•	67.6	61.7	63.7							
Dyna-Gro S48LL23	LL	76.4	48.0	65.7	59.3	73.4	47.9	•	66.3	59.5	61.8							
Go Soy 4711 LL	LL	66.9	48.5	62.5	54.3	71.6	46.5	•	62.9	56.1	58.4							
Go Soy 4812 LL	LL	70.9	49.8	67.5	57.8	72.0	52.0	•	64.9	60.1	61.7							
Go Soy 4910 LL	LL	71.7	58.5	64.8	55.5	71.0	49.5	•	63.2	61.1	61.8							
Go Soy 4912 LL	LL	72.4	58.6	73.0	61.9	77.0	49.4	•	69.4	63.4	65.4							
HALO 4:76	LL	71.2	43.0	68.2	56.4	72.2	43.6	•	64.3	56.5	59.1							
HALO 4:94	LL	76.2	60.6	63.5	57.2	73.9	50.0	•	65.5	62.6	63.6							
HALO 4:95	LL	76.1	47.5	62.1	54.0	77.1	40.9	•	65.5	56.7	59.6							
HALO 5:01	LL	70.5	59.6	71.3	63.1	79.8	51.7	•	71.4	63.3	66.0							
Progeny 4819LL	LL	71.6	47.4	67.6	59.8	74.2	49.6	•	67.0	59.0	61.7							
Progeny 4928LL	LL	71.8	57.5	75.1	58.5	73.7	47.1	•	66.1	62.9	63.9							
R05-3239	Conv.	80.9	67.0	74.4	62.8	76.2	41.9	•	69.5	66.0	67.2							
R05-4114	Conv.	68.5	58.0	68.9	60.1	74.3	56.3	•	67.2	62.9	64.4							

Table 6. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2012¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser										All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³ Loam Average	Clay ⁴ Average		
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>												
USG 74G82L	LL	71.5	46.7	68.6	54.4	73.2	46.2	•	63.8	58.2	60.1	
USG 74G99L	LL	73.1	54.8	72.4	54.1	73.4	41.0	•	63.8	60.3	61.5	
Willcross RR2477N ⁵	RR1	80.8	52.1	70.7	64.1	74.3	46.5	•	69.2	62.5	64.8	
GRAND MEAN		74.1	53.6	67.8	59.2	74.4	47.9	•	66.8	60.8	62.8	
LSD (5%)		5.3	5.1	7.2	5.2	5.0	5.3	•	•	•	•	
C.V.		5.2	6.9	7.7	6.4	4.9	8.0	•	•	•	•	
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>												
AGS 553 LL	LL	66.0	58.6	69.7	62.2	79.3	56.2	33.3	58.3	62.6	60.8	
ARMOR 50-C3	Conv.	80.3	61.6	68.5	73.8	79.2	54.5	43.8	65.6	66.2	66.0	
DB03-8416	Conv.	59.8	56.2	53.8	54.7	74.8	59.4	33.5	54.3	57.3	56.0	
DB04-10836	Conv.	61.1	61.4	66.0	55.1	72.1	51.7	37.6	54.9	60.1	57.9	
Delta Grow 5461LL	LL	64.1	59.6	65.6	58.5	68.3	49.3	34.5	53.8	59.6	57.1	
Dyna-Gro 34LL53	LL	77.1	56.2	67.2	52.2	80.8	56.8	43.0	58.7	64.4	61.9	
Eagle Research 5376LL	LL	62.7	53.3	66.7	54.8	78.7	53.5	34.7	56.1	59.0	57.8	
GLENN	Conv.	74.4	52.1	52.5	54.5	75.5	54.9	38.0	56.0	58.4	57.4	
Go Soy 5010 LL	LL	66.1	59.5	62.3	49.8	71.1	54.9	30.4	50.4	60.7	56.3	
Go Soy 5111 LL	LL	76.7	59.6	66.9	52.0	73.3	52.6	28.5	51.3	63.9	58.5	
Go Soy 5410 LL	LL	68.8	60.3	64.4	53.9	73.3	55.7	33.1	53.4	62.3	58.5	
HALO 5:25	LL	73.0	53.7	70.3	56.4	79.4	53.5	38.9	58.2	62.6	60.7	
HALO 5:26	LL	75.3	61.7	60.2	50.1	73.1	49.0	33.9	52.4	61.5	57.6	
HALO 5:45	LL	75.0	61.8	63.8	59.6	75.0	60.2	33.9	56.2	65.2	61.3	
HALO X50	LL	63.5	55.1	61.7	56.0	75.6	56.6	29.5	53.7	59.2	56.9	
HALO X55	LL	74.1	58.5	61.3	58.5	72.3	52.1	37.8	56.2	61.5	59.2	
Hutcheson	Conv.	59.6	51.8	58.6	51.1	70.2	52.6	36.6	52.6	55.6	54.4	
JTN-4307	Conv.	62.8	57.5	61.5	57.2	64.4	30.8	35.3	52.3	53.2	52.8	

Table 6. Yields of Maturity Groups IV and V, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains at All Locations, 2012¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser					Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³ Loam Average	Clay ⁴ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Double-Crop Irrigated	Marianna Irrigated	Marianna Non-Irrigated						
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>												
JTN-4408	Conv.	70.2	66.6	65.1	63.6	68.5	43.4	40.1	57.4	61.3	59.6	
JTN-5108	Conv.	56.7	55.8	62.3	59.4	72.2	55.0	41.8	57.8	57.5	57.6	
JTN-5110	Conv.	73.6	56.8	62.9	64.2	76.8	52.7	43.4	61.5	61.5	61.5	
JTN-5203	Conv.	80.6	57.7	64.3	65.6	79.2	51.8	47.1	64.0	63.6	63.8	
Ozark	Conv.	72.2	64.7	61.9	53.3	71.6	55.9	39.1	54.6	63.7	59.8	
Progeny 5160LL	LL	81.0	63.4	63.9	53.8	78.7	54.1	45.3	59.3	65.6	62.9	
Progeny 5460LL	LL	68.2	57.5	70.7	54.2	69.9	51.7	38.2	54.1	62.0	58.6	
S08-X17361	Conv.	68.3	65.1	65.3	59.5	76.3	49.2	36.8	57.5	62.0	60.1	
Willcross RR2544NS ⁵	RR1/STS	74.2	59.1	60.4	56.8	67.3	53.7	43.0	55.7	61.8	59.2	
GRAND MEAN		69.8	58.7	63.6	57.1	74.0	52.6	37.4	56.2	61.2	59.0	
LSD (5%)		6.3	5.7	6.9	6.9	5.6	7.8	4.8	•	•	•	
C.V.		6.5	7.1	7.9	8.9	5.5	10.7	9.3	•	•	•	
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>												
AGS 5911 LL	LL	72.5	61.3	60.5	64.0	76.9	58.7	36.3	59.1	63.2	61.4	
Osage	Conv.	79.1	61.2	70.2	56.7	78.0	57.6	38.6	57.8	67.0	63.1	
Progeny 5610RY ⁶	RR2	72.7	59.8	73.1	53.1	80.0	60.3	40.0	57.7	66.5	62.7	
Progeny 5960LL	LL	74.6	57.8	70.0	51.9	74.4	58.6	39.9	55.4	65.2	61.0	
R02-3065	Conv.	70.2	59.8	73.0	54.8	74.4	48.1	36.4	55.2	62.8	59.5	
R03-1250	Conv.	66.4	61.8	68.3	63.5	69.2	64.4	39.5	57.4	65.2	61.9	
R06-4433	Conv.	68.3	61.8	69.3	55.9	75.9	57.2	40.9	57.6	64.1	61.3	
UA 5612	Conv.	72.1	63.2	63.3	54.7	81.7	61.6	45.6	60.7	65.0	63.2	
GRAND MEAN		72.0	60.8	68.5	56.8	76.3	58.3	39.6	57.6	64.9	61.8	
LSD (5%)		5.7	4.9	9.3	6.4	4.4	5.0	4.0	•	•	•	
C.V.		5.5	5.5	9.5	7.8	4.0	5.8	6.9	•	•	•	

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 Maturity Group V varieties and strains tested at this location.

³Average yields from Marianna Irrigated, Stuttgart Irrigated and Kibler Irrigated.

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

⁵Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2010 and 2011 Roundup Ready™ Full-Season Variety Tests.

Table 7. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012.

Variety/Experimental Line	2012	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>							
Go Soy 4411 LL	89.8	81.6	•	9/26	1.3	1.0	52
Pioneer 94Y40 ³	86.3	•	•	9/24	1.3	1.0	40
HALO 4:65	84.8	82.8	83.2	9/23	1.3	1.0	50
HALO X456	80.5	•	•	9/22	1.3	1.0	49
GRAND MEAN	85.3	•	•	9/23	1.3	1.0	48
LSD (5%)	5.6	•	•	2	0.9	•	•
C.V.	4.1	•	•	4	43.3	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
ARMOR 49-C3	83.5	•	•	10/09	1.0	1.0	39
R05-3239	80.9	77.6	74.7	10/07	1.3	1.0	36
Willcross RR2477N ³	80.8	•	•	10/09	1.3	1.0	38
Delta Grow 4990LL	77.7	•	•	10/08	2.3	1.0	42
Delta Grow 4967LL	76.6	•	•	10/08	1.7	1.0	48
Dyna-Gro S48LL23	76.4	•	•	10/09	2.3	1.0	53
HALO 4:94	76.2	76.2	75.7	10/07	1.7	1.0	51
HALO 4:95	76.1	•	•	10/07	1.7	1.0	41
Croplan LC4880	76.0	•	•	10/09	1.3	1.0	56
USG 74G99L	73.1	73.7	74.6	10/07	1.3	1.0	48
Delta Grow 4867LL	72.6	•	•	10/08	2.7	1.0	51
Go Soy 4912 LL	72.4	•	•	10/09	2.3	1.0	44
Progeny 4928LL	71.8	73.1	75.3	10/09	2.0	1.0	52
Go Soy 4910 LL	71.7	•	•	10/08	2.0	1.0	53
Progeny 4819LL	71.6	•	•	10/09	2.3	1.0	46
USG 74G82L	71.5	•	•	10/09	1.7	1.0	39
HALO 4:76	71.2	•	•	10/08	2.0	1.0	38
Go Soy 4812 LL	70.9	•	•	10/08	2.3	1.0	48
HALO 5:01	70.5	•	•	10/08	1.7	1.0	50
R05-4114	68.5	73.2	•	10/10	2.0	1.0	39
Go Soy 4711 LL	66.9	•	•	10/10	1.4	1.0	56
GRAND MEAN	74.1	•	•	10/08	1.8	1.0	46
LSD (5%)	5.3	•	•	3	0.9	•	•
C.V.	5.2	•	•	27	37.4	•	•

Table 7. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 5160LL	81.0	80.1	80.6	10/04	1.0	1.0	33
JTN-5203	80.6	75.8		10/05	1.0	1.0	34
ARMOR 50-C3	80.3	•	•	10/02	1.0	1.0	36
Dyna-Gro 34LL53	77.1	77.2	•	10/03	1.3	1.0	28
Go Soy 5111 LL	76.7	77.1	•	10/03	1.5	1.0	36
HALO 5:26	75.3	•	•	10/06	1.7	1.0	37
HALO 5:45	75.0	•	•	10/04	2.0	1.0	41
GLENN	74.4	77.1	75.8	10/04	1.7	1.0	34
Willcross RR2544NS ³	74.2	•	•	10/02	1.0	1.0	38
HALO X55	74.1	•	•	10/03	1.0	1.0	36
JTN-5110	73.6	•	•	10/03	1.3	1.0	39
HALO 5:25	73.0	74.0	73.7	10/03	1.3	1.0	36
Ozark	72.2	72.2	71.8	10/03	2.0	1.0	44
JTN-4408	70.2	•	•	10/03	1.3	1.0	40
Go Soy 5410 LL	68.8	•	•	10/03	1.0	1.0	50
S08-X17361	68.3	•	•	10/03	1.3	1.0	46
Progeny 5460LL	68.2	70.4	72.9	10/04	1.0	1.0	50
Go Soy 5010 LL	66.1	•	•	10/05	2.0	1.0	39
AGS 553 LL	66.0	•	•	10/03	1.7	1.0	42
Delta Grow 5461LL	64.1	71.4	•	10/03	2.0	1.0	44
HALO X50	63.5	•	•	10/03	1.3	1.0	50
JTN-4307	62.8	•	•	10/03	1.0	1.0	41
Eagle Research 5376LL	62.7	•	•	10/02	3.0	1.0	52
DB04-10836	61.1	63.2	66.9	10/06	2.7	1.0	42
DB03-8416	59.8	67.6	69.0	10/03	2.5	1.0	35
Hutcheson	59.6	69.9	69.8	10/03	2.5	1.0	41
JTN-5108	56.7	•	•	10/03	2.7	1.0	34
GRAND MEAN	69.8	•	•	10/04	1.6	1.0	40
LSD (5%)	6.3	•	•	2	1.0	•	•
C.V.	6.5	•	•	5	45.5	•	•

Table 7. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
Osage	79.1	76.9	75.2	10/06	1.3	1.0	39
Progeny 5960LL	74.6	71.1	71.3	10/07	1.0	1.0	39
Progeny 5610RY ³	72.7	•	•	10/05	1.3	1.0	43
AGS 5911 LL	72.5	69.6	•	10/05	1.7	1.0	41
UA 5612	72.1	74.9	75.8	10/03	1.7	1.0	38
R02-3065	70.2	•	•	10/05	1.1	1.0	37
R06-4433	68.3	74.7	73.0	10/03	1.7	1.0	40
R03-1250	66.4	•	•	10/03	1.4	1.0	42
GRAND MEAN	72.0	•	•	10/05	1.4	1.0	40
LSD (5%)	5.7	•	•	3	0.7	•	•
C.V.	5.5	•	•	45	36.0	•	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, 2012.³Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2010 and 2011 Roundup Ready™ Full-Season Variety Tests.

Soil Series	Sharky silty clay
Previous Crop	Corn
Row Width	38 inches
Planting Date	5/14
Herbicide Applications	Valor + Gramoxone, 5/16; Flexstar + Dual Magnum, 5/31; Storm + Select, 6/26
Irrigation Date	6/20, 6/28, 7/9, 7/25, 8/6, 8/16
Harvest Dates	MG 4E, 10/16; MG 4L, 10/16; MG 5E, 10/23; MG 5L, 10/23

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2012	1.2	4.2	2.5	2.4	1.2	7.0	18.4
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	-3.6	-1.2	-1.5	-1.6	-1.3	3.8	-5.4

Table 8. Performance of Non-Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012.

Variety/Experimental Line	2012	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>							
HALO X456	43.9	•	•	9/17	1.0	1.4	37
HALO 4:65	43.9	40.3	46.1	9/18	1.0	1.0	39
Pioneer 94Y40 ⁵	41.2	•	•	9/17	1.0	1.3	35
Go Soy 4411 LL	36.7	•	•	9/17	1.0	1.3	39
GRAND MEAN	41.5	•	•	9/17	1.0	1.3	38
LSD (5%)	7.1	•	•	2	•	0.9	•
C.V.	10.4	•	•	9	•	43.1	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
R05-3239	67.0	57.5	•	10/04	1.0	1.0	38
ARMOR 49-C3	62.2	•	•	10/03	1.3	1.0	32
HALO 4:94	60.6	54.7	62.6	10/05	1.0	1.0	40
HALO 5:01	59.6	•	•	10/05	1.0	1.0	42
Delta Grow 4967LL	59.1	•	•	10/04	1.0	1.0	39
Go Soy 4912 LL	58.6	•	•	10/04	1.0	1.0	43
Go Soy 4910 LL	58.5	•	•	10/06	1.0	1.0	40
R05-4114	58.0	•	•	10/04	1.0	1.0	31
Progeny 4928LL	57.5	50.9	•	10/05	1.0	1.0	38
USG 74G99L	54.8	48.6	•	10/05	1.0	1.0	39
Delta Grow 4990LL	53.2	•	•	10/03	1.0	1.0	39
Willcross RR2477N ⁵	52.1	•	•	10/03	1.0	1.0	31
Croplan LC4880	51.2	•	•	10/04	1.0	1.0	42
Go Soy 4812 LL	49.8	•	•	10/05	1.0	1.0	36
Go Soy 4711 LL	48.5	•	•	10/05	1.3	1.0	41
Dyna-Gro S48LL23	48.0	•	•	10/03	1.0	1.0	39
HALO 4:95	47.5	•	•	10/05	1.0	1.0	36
Progeny 4819LL	47.4	•	•	10/07	1.0	1.0	37
USG 74G82L	46.7	•	•	10/04	1.3	1.0	36
HALO 4:76	43.0	•	•	10/04	1.0	1.0	33
Delta Grow 4867LL	41.8	•	•	10/05	1.0	1.0	39
GRAND MEAN	53.6	•	•	10/04	1.0	1.0	38
LSD (5%)	5.1	•	•	2	0.3	•	•
C.V.	6.9	•	•	40	22.2	•	•

Table 8. Performance of Non-Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	2-Year ³ Average	3-Year ⁴ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
	bu/A.....					
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>							
JTN-4408	66.6	•	•	10/11	1.0	1.0	33
S08-X17361	65.1	•	•	10/11	1.3	1.0	40
Ozark	64.7	60.2	55.9	10/09	1.1	1.0	33
Progeny 5160LL	63.4	62.3	55.7	10/09	1.3	1.0	31
HALO 5:45	61.8	•	•	10/09	1.3	1.0	32
HALO 5:26	61.7	•	•	10/09	1.0	1.0	35
ARMOR 50-C3	61.6	•	•	10/09	1.7	1.0	32
DB04-10836	61.4	59.6	55.6	10/08	0.9	1.0	34
Go Soy 5410 LL	60.3	•	•	10/07	1.0	1.0	39
Go Soy 5111 LL	59.6	58.3	•	10/10	1.3	1.0	29
Delta Grow 5461LL	59.6	57.1	•	10/11	1.1	1.0	35
Go Soy 5010 LL	59.5	•	•	10/09	1.0	1.0	31
Willcross RR2544NS ⁵	59.1	•	•	10/09	1.1	1.0	32
AGS 553 LL	58.6	•	•	10/11	1.0	1.0	37
HALO X55	58.5	•	•	10/11	1.3	1.0	34
JTN-5203	57.7	56.7	•	10/09	1.3	1.0	38
Progeny 5460LL	57.5	57.3	51.7	10/05	1.3	1.0	30
JTN-4307	57.5	•	•	10/11	1.0	1.0	34
JTN-5110	56.8	•	•	10/10	1.0	1.0	35
Dyna-Gro 34LL53	56.2	58.5	•	10/11	1.3	1.0	25
DB03-8416	56.2	54.6	54.1	10/11	1.3	1.0	33
JTN-5108	55.8	•	•	10/10	1.0	1.0	32
HALO X50	55.1	•	•	10/09	1.0	1.0	43
HALO 5:25	53.7	56.5	53.0	10/10	1.3	1.0	26
Eagle Research 5376LL	53.3	•	•	10/10	1.3	1.0	46
GLENN	52.1	53.1	45.9	10/10	1.0	1.0	26
Hutcheson	51.8	58.3	54.2	10/11	1.3	1.0	36
GRAND MEAN	58.7	•	•	10/09	1.2	1.0	34
LSD (5%)	5.7	•	•	3	0.6	•	•
C.V.	7.1	•	•	24	34.1	•	•

Table 8. Performance of Non-Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	2-Year ³ Average	3-Year ⁴ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
bu/A.....						
<u>Maturity Group V Late (RM 5.6 to 5.9)</u>							
UA 5612	63.2	61.0	54.3	10/10	1.0	1.0	36
R03-1250	61.8	•	•	10/09	1.0	1.0	33
R06-4433	61.8	61.8	58.6	10/10	1.0	1.0	32
AGS 5911 LL	61.3	61.1	•	10/09	1.0	1.0	35
Osage	61.2	61.7	57.4	10/09	1.3	1.0	31
R02-3065	59.8	•	•	10/09	1.0	1.0	37
Progeny 5610RY ⁵	59.8	•	•	10/11	1.0	1.0	33
Progeny 5960LL	57.8	57.1	48.8	10/09	1.0	1.0	33
GRAND MEAN	60.8	•	•	10/09	1.0	1.0	34
LSD (5%)	4.9	•	•	4	0.3	•	•
C.V.	5.5	•	•	26	21.2	•	•

¹Average Yield for 2010 and 2012.²Average yield for 2009, 2010, and 2012.³Average Yield for 2011 and 2012.⁴Average Yield for 2010, 2011, 2012.⁵Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2010 and 2011 Roundup Ready™ Full-Season Variety Tests.

Soil Series	Sharky silty clay
Previous Crop	Corn
Row Width	38 inches
Planting Date	5/14
Herbicide Applications	Valor + Gramoxone, 5/16; Flexstar + Dual Magnum, 5/31; Storm + Select, 6/26
Harvest Dates	MG 4E, 10/10; MG 4L, 10/16; MG 5E, 10/23; MG 5L, 10/23

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2012	1.2	4.2	2.5	2.4	1.2	7.0	18.4
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	-3.6	-1.2	-1.5	-1.6	-1.3	3.8	-5.4

Table 9. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2012.

Variety/Experimental Line	2012	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>							
HALO 4:65	70.0	65.7	71.7	9/25	1.0	1.0	34
HALO X456	65.9	•	•	9/26	1.3	1.0	37
Go Soy 4411 LL	63.4	62.0	•	9/25	1.0	1.0	33
Pioneer 94Y40 ³	63.1	•	•	9/26	1.0	1.3	30
GRAND MEAN	65.6	•	•	9/25	1.1	1.1	34
LSD (5%)	6.1	•	•	3	0.5	0.5	•
C.V.	5.8	•	•	7	26.6	26.6	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
Progeny 4928LL	75.1	70.5	72.9	9/25	1.0	1.0	42
R05-3239	74.4	65.3	67.2	9/24	1.3	1.0	34
Go Soy 4912 LL	73.0	•	•	9/25	1.3	1.0	41
USG 74G99L	72.4	69.6	69.6	9/28	1.0	1.0	39
HALO 5:01	71.3	•	•	9/28	1.0	1.0	38
Willcross RR2477N ³	70.7	•	•	9/25	1.0	1.0	33
Delta Grow 4967LL	70.1	•	•	9/25	1.0	1.0	43
R05-4114	68.9	64.0	•	9/25	2.0	1.0	36
USG 74G82L	68.6	•	•	9/24	1.0	1.0	39
Delta Grow 4867LL	68.3	•	•	9/25	1.0	1.0	37
HALO 4:76	68.2	•	•	9/22	1.0	1.0	35
Progeny 4819LL	67.6	•	•	9/25	1.0	1.0	38
Go Soy 4812 LL	67.5	•	•	9/24	1.0	1.0	38
Dyna-Gro S48LL23	65.7	•	•	9/26	1.0	1.0	38
Delta Grow 4990LL	65.6	•	•	9/25	1.7	1.0	38
Go Soy 4910 LL	64.8	•	•	9/28	1.3	1.0	39
HALO 4:94	63.5	63.5	65.4	9/25	1.5	1.0	36
Go Soy 4711 LL	62.5	•	•	9/25	1.5	1.0	42
HALO 4:95	62.1	•	•	9/23	1.0	1.0	36
ARMOR 49-C3	62.0	•	•	9/29	1.5	1.0	36
Croplan LC4880	60.8	•	•	9/26	1.0	1.0	39
GRAND MEAN	67.8	•	•	9/25	1.2	1.0	38
LSD (5%)	7.2	•	•	4	0.5	•	•
C.V.	7.7	•	•	12	30.4	•	•

Table 9. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 5460LL	70.7	65.4	67.7	09/29	1.0	1.0	36
HALO 5:25	70.3	64.4	62.9	09/29	1.7	1.0	37
AGS 553 LL	69.7	•	•	10/01	1.0	1.0	37
ARMOR 50-C3	68.5	•	•	10/03	1.9	1.0	38
Dyna-Gro 34LL53	67.2	64.4	•	10/03	0.9	1.0	36
Go Soy 5111 LL	66.9	61.8	•	10/05	1.3	1.0	39
Eagle Research 5376LL	66.7	•	•	10/04	2.0	1.0	47
DB04-10836	66.0	60.2	62.5	10/06	2.3	1.0	34
Delta Grow 5461LL	65.6	62.9	•	09/29	1.0	1.0	35
S08-X17361	65.3	•	•	09/30	1.0	1.0	35
JTN-4408	65.1	•	•	10/01	2.7	1.0	38
Go Soy 5410 LL	64.4	•	•	10/02	1.0	1.0	35
JTN-5203	64.3	59.7	•	10/05	2.0	1.0	35
Progeny 5160LL	63.9	60.7	61.5	10/03	2.3	1.0	32
HALO 5:45	63.8	•	•	10/10	2.3	1.0	39
JTN-5110	62.9	•	•	10/03	2.0	1.0	39
JTN-5108	62.3	•	•	10/03	2.4	1.0	35
Go Soy 5010 LL	62.3	•	•	10/05	2.0	1.0	39
Ozark	61.9	62.3	64.4	10/03	2.0	1.0	41
HALO X50	61.7	•	•	10/03	1.4	1.0	39
JTN-4307	61.5	•	•	10/03	1.9	1.0	39
HALO X55	61.3	•	•	10/10	2.3	1.0	39
Willcross RR2544NS ³	60.4	•	•	10/05	2.0	1.0	41
HALO 5:26	60.2	•	•	10/02	1.3	1.0	32
Hutcheson	58.6	57.2	58.7	10/04	3.0	1.0	33
DB03-8416	53.8	51.9	56.5	10/05	3.7	1.0	36
GLENN	52.5	57.5	61.9	10/04	3.1	1.0	32
GRAND MEAN	63.6	•	•	10/03	1.9	1.0	37
LSD (5%)	6.9	•	•	3	0.6	•	•
C.V.	7.9	•	•	7	22.0	•	•

Table 9. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 ³	73.1	•	•	10/10	1.7	1.0	35
R02-3065	73.0	•	•	10/05	1.7	1.0	36
Osage	70.2	63.4	65.6	10/03	1.3	1.0	33
Progeny 5960LL	70.0	66.8	64.2	10/11	2.7	1.0	41
R06-4433	69.3	60.9	61.5	10/10	2.7	1.0	39
R03-1250	68.3	•	•	10/09	1.7	1.0	39
UA 5612	63.3	61.2	64.7	10/07	3.0	1.0	40
AGS 5911 LL	60.5	59.2	•	10/09	2.0	1.0	43
GRAND MEAN	68.5	•	•	10/08	2.1	1.0	38
LSD (5%)	9.3	•	•	3	0.6	•	•
C.V.	9.5	•	•	26	19.9	•	•

¹Average Yield for 2011 and 2012.

²Average Yield for 2010, 2011, 2012.

³Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2010 and 2011 Roundup Ready™ Full-Season Variety Tests.

Soil Series	Sharkey silty clay
Previous Crop	Corn
Row Width	Four 7.5-inch rows on two 38-inch beds
Planting Date	6/14
Herbicide Applications	Valor + Gramoxone, 6/15; Flexstar + Dual Magnum, 6/28; Storm + Select, 7/17
Irrigation Dates	6/22, 6/28, 7/5, 7/23, 7/26, 8/2, 8/7, 8/14, 8/21
Harvest Dates	MG 4E, 11/1; MG 4L, 11/1; MG 5E, 11/1; MG 5L, 11/1

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2012	1.2	4.2	2.5	2.4	1.2	7.0	18.4
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	-3.6	-1.2	-1.5	-1.6	-1.3	3.8	-5.4

Table 10. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2012.

Variety/Experimental Line	2012	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)							
HALO X456	63.3	•	•	9/13	2.3	1.3	36
Go Soy 4411 LL	63.0	57.2	•	9/11	2.0	1.0	40
HALO 4:65	60.3	56.3	52.1	9/12	2.0	1.3	39
Pioneer 94Y40 ³	59.1	•	•	9/13	2.0	1.3	37
GRAND MEAN	61.4	•	•	9/12	2.1	1.3	38
LSD (5%)	5.9	•	•	2	0.5	0.9	•
C.V.	6.0	•	•	12	13.9	46.2	•
Maturity Group IV Late (RM 4.7 to 4.9)							
ARMOR 49-C3	73.7	•	•	9/27	2.0	1.0	36
Delta Grow 4967LL	71.5	•	•	9/29	2.0	1.0	48
Willcross RR2477N ³	64.1	•	•	9/20	1.0	1.3	36
HALO 5:01	63.1	•	•	9/28	2.0	1.0	45
R05-3239	62.8	53.3	51.3	9/23	1.3	1.0	31
Go Soy 4912 LL	61.9	•	•	9/30	2.0	1.3	47
R05-4114	60.1	53.7	•	9/25	2.0	1.3	33
Progeny 4819LL	59.8	•	•	9/21	2.5	1.0	42
Dyna-Gro S48LL23	59.3	•	•	9/24	2.5	1.5	38
Delta Grow 4990LL	58.6	•	•	9/25	2.3	1.0	46
Progeny 4928LL	58.5	50.5	47.9	9/26	2.0	1.3	48
Go Soy 4812 LL	57.8	•	•	9/22	1.5	1.5	41
HALO 4:94	57.2	51.1	48.2	9/25	2.0	1.0	44
HALO 4:76	56.4	•	•	9/21	2.0	1.0	37
Go Soy 4910 LL	55.5	•	•	9/25	2.0	1.0	42
USG 74G82L	54.4	•	•	9/24	2.0	1.0	35
Go Soy 4711 LL	54.3	•	•	9/23	3.3	1.3	49
USG 74G99L	54.1	51.1	47.6	9/26	1.7	1.0	44
HALO 4:95	54.0	•	•	9/22	2.3	1.0	40
Delta Grow 4867LL	53.6	•	•	9/23	2.3	1.0	42
Croplan LC4880	52.3	•	•	9/11	2.0	1.7	45
GRAND MEAN	59.2	•	•	9/23	2.0	1.2	41
LSD (5%)	5.2	•	•	2	0.5	0.5	•
C.V.	6.4	•	•	7	17.9	32.3	•

Table 10. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 50-C3	73.8	•	•	09/29	2.0	1.0	31
JTN-5203	65.6	57.0	•	09/29	1.7	1.0	34
JTN-5110	64.2	•	•	09/30	1.7	1.0	37
JTN-4408	63.6	•	•	09/25	2.0	1.0	37
AGS 553 LL	62.2	•	•	09/29	2.0	1.7	47
HALO 5:45	59.6	•	•	10/01	1.3	1.0	39
S08-X17361	59.5	•	•	10/01	2.0	1.0	40
JTN-5108	59.4	•	•	09/30	2.0	1.3	30
HALO X55	58.5	•	•	10/01	1.4	1.0	34
Delta Grow 5461LL	58.5	51.2	•	09/30	1.7	1.0	43
JTN-4307	57.2	•	•	09/26	2.0	1.0	36
Willcross RR2544NS ³	56.8	•	•	09/29	1.0	1.0	34
HALO 5:25	56.4	53.9	49.9	09/30	1.3	1.3	29
HALO X50	56.0	•	•	09/30	2.0	1.5	43
DB04-10836	55.1	52.4	48.9	10/04	2.5	1.0	44
Eagle Research 5376LL	54.8	•	•	09/30	2.7	1.0	42
DB03-8416	54.7	50.6	46.6	09/30	3.3	1.3	36
GLENN	54.5	55.7	51.5	09/30	1.3	1.0	34
Progeny 5460LL	54.2	50.1	47.5	09/30	2.0	1.3	41
Go Soy 5410 LL	53.9	•	•	09/26	1.3	1.0	44
Progeny 5160LL	53.8	51.3	48.1	10/01	1.3	1.0	28
Ozark	53.3	52.4	49.8	09/29	2.4	1.5	37
Dyna-Gro 34LL53	52.2	49.5	•	09/29	1.0	1.3	27
Go Soy 5111 LL	52.0	47.9	•	09/26	1.0	1.3	31
Hutcheson	51.1	52.0	51.4	09/29	3.0	1.0	37
HALO 5:26	50.1	•	•	09/27	1.0	1.0	37
Go Soy 5010 LL	49.8	•	•	09/29	1.7	1.3	36
GRAND MEAN	57.1	•	•	09/29	1.8	1.1	37
LSD (5%)	6.9	•	•	2	0.6	0.5	•
C.V.	8.9	•	•	5	25.6	31.2	•

Table 10. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Lon Mann Cotton Research Station, Marianna, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 5911 LL	64.0	54.6	•	10/02	2.0	1.3	38
R03-1250	63.5	•	•	10/04	1.7	1.0	33
Osage	56.7	54.3	43.7	09/29	1.7	1.7	31
R06-4433	55.9	51.8	42.5	10/06	2.7	1.3	27
R02-3065	54.8	•	•	10/03	1.7	1.0	34
UA 5612	54.7	54.6	51.8	10/02	3.0	1.3	36
Progeny 5610RY ³	53.1	•	•	10/03	2.3	1.0	38
Progeny 5960LL	51.9	53.0	45.6	10/02	2.0	1.3	32
GRAND MEAN	56.8	•	•	10/02	2.1	1.3	34
LSD (5%)	6.4	•	•	2	1.0	0.7	•
C.V.	7.8	•	•	4	31.7	39.0	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, 2012.³Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2010 and 2011 Roundup Ready™ Full-Season Variety Tests.

Soil Series	Calloway silt loam
Soil pH	7.4
Previous Crop	Soybean
Row Width	30 inches
Fertilizer Applied	100 lb/A P + 100 lb/A K, 3/29
Planting Date	5/14
Herbicide Applications	Gramoxone + Valor, 5/16; Dual Magnum + Ultra Blazer + Select, 6/14; Dual Magnum + Ultra Blazer + Select, 6/27
Insecticide Applications	Orthene + Brigade, 8/10; Belt + Brigade, 9/3
Irrigation Dates	6/8, 6/21, 6/25, 7/1, 7/22, 7/28, 8/3, 8/9
Harvest Dates	MG 4E, 9/26; MG 4L, 10/3; MG 5E, 10/11; MG 5L, 10/17

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2012	1.1	1.5	0.8	2.6	1.2	4.9	12.0
Average	5.0	5.1	3.9	3.8	2.6	2.5	23.0
Departure	-3.9	-3.6	-3.1	-1.2	-1.4	2.3	-11.0

Table 11. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2012.

Variety/Experimental Line	2012	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)							
Go Soy 4411 LL	79.1	70.4	•	9/09	2.0	1.3	42
HALO 4:65	78.7	72.6	69.5	9/09	2.0	1.7	42
Pioneer 94Y40 ³	77.7	•	•	9/10	1.7	2.0	36
HALO X456	76.0	•	•	9/09	2.0	2.0	42
GRAND MEAN	77.9	•	•	9/09	1.9	1.8	41
LSD (5%)	3.1	•	•	2	0.5	0.6	•
C.V.	2.5	•	•	16	15.1	21.3	•
Maturity Group IV Late (RM 4.7 to 4.9)							
HALO 5:01	79.8	•	•	9/29	1.3	1.0	50
Delta Grow 4967LL	79.4	•	•	9/28	1.3	1.0	46
ARMOR 49-C3	77.2	•	•	9/23	1.0	1.0	32
HALO 4:95	77.1	•	•	9/23	3.3	1.0	35
Go Soy 4912 LL	77.0	•	•	9/28	1.7	1.0	44
Delta Grow 4990LL	76.7	•	•	9/22	2.0	1.0	52
R05-3239	76.2	69.2	64.6	9/24	1.0	1.0	25
R05-4114	74.3	64.0	•	9/26	1.0	1.0	33
Willcross RR2477N ³	74.3	•	•	9/17	1.0	1.0	34
Progeny 4819LL	74.2	•	•	9/21	3.0	1.0	33
HALO 4:94	73.9	69.3	64.2	9/25	2.3	1.0	53
Progeny 4928LL	73.7	67.7	65.1	9/26	1.7	1.0	50
Dyna-Gro S48LL23	73.4	•	•	9/24	2.7	1.0	43
USG 74G99L	73.4	68.3	65.7	9/26	2.3	1.0	45
USG 74G82L	73.2	•	•	9/21	2.3	1.0	34
HALO 4:76	72.2	•	•	9/21	2.7	1.0	42
Go Soy 4812 LL	72.0	•	•	9/22	2.7	1.0	37
Go Soy 4711 LL	71.6	•	•	9/15	3.0	1.0	50
Delta Grow 4867LL	71.6	•	•	9/21	2.0	1.0	36
Croplan LC4880	71.3	•	•	9/17	2.0	1.0	46
Go Soy 4910 LL	71.0	•	•	9/24	1.3	1.0	38
GRAND MEAN	74.4	•	•	9/22	2.0	1.0	41
LSD (5%)	5.0	•	•	4	0.6	•	•
C.V.	4.9	•	•	14	21.8	•	•

Table 11. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
Dyna-Gro 34LL53	80.8	76.0	•	09/29	1.0	1.0	28
HALO 5:25	79.4	76.2	70.1	09/28	1.0	1.0	21
AGS 553 LL	79.3	•	•	09/20	1.7	1.0	53
ARMOR 50-C3	79.2	•	•	09/25	1.0	1.0	30
JTN-5203	79.2	73.1	•	09/23	1.0	1.0	31
Eagle Research 5376LL	78.7	•	•	09/24	3.0	1.0	44
Progeny 5160LL	78.7	75.1	69.9	09/30	1.0	1.0	19
JTN-5110	76.8	•	•	09/19	1.0	1.0	32
S08-X17361	76.3	•	•	09/28	1.7	1.0	42
HALO X50	75.6	•	•	09/27	1.7	1.0	49
GLENN	75.5	71.2	67.5	09/24	1.0	1.0	25
HALO 5:45	75.0	•	•	10/01	1.0	1.0	35
DB03-8416	74.8	66.6	63.4	09/28	3.0	1.0	35
Go Soy 5410 LL	73.3	•	•	09/23	2.0	1.0	51
Go Soy 5111 LL	73.3	69.0	•	09/26	1.0	1.0	24
HALO 5:26	73.1	•	•	09/26	1.0	1.0	27
HALO X55	72.3	•	•	09/30	1.0	1.0	35
JTN-5108	72.2	•	•	09/29	2.0	1.0	35
DB04-10836	72.1	66.7	64.3	09/26	1.7	1.0	42
Ozark	71.6	66.9	65.6	09/24	1.7	1.0	26
Go Soy 5010 LL	71.1	•	•	09/28	1.3	1.0	30
Hutcheson	70.2	59.9	60.7	09/27	2.7	1.0	40
Progeny 5460LL	69.9	68.0	65.7	09/24	1.7	1.0	46
JTN-4408	68.5	•	•	09/19	1.7	1.0	37
Delta Grow 5461LL	68.3	67.5	•	09/25	2.0	1.0	53
Willcross RR2544NS ³	67.3	•	•	09/26	1.0	1.0	30
JTN-4307	64.4	•	•	09/21	1.3	1.0	36
GRAND MEAN	74.0	•	•	09/25	1.5	1.0	35
LSD (5%)	5.6	•	•	6	0.4	•	•
C.V.	5.5	•	•	17	19.6	•	•

Table 11. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
UA 5612	81.7	74.9	72.9	09/28	2.0	1.0	41
Progeny 5610RY ³	80.0	•	•	09/29	1.0	1.0	35
Osage	78.0	72.3	68.7	09/26	1.0	1.0	35
AGS 5911 LL	76.9	70.9	•	09/28	1.7	1.0	36
R06-4433	75.9	71.8	68.4	10/01	1.7	1.0	32
Progeny 5960LL	74.4	68.6	66.0	09/28	1.0	1.0	37
R02-3065	74.4	•	•	10/02	1.0	1.0	33
R03-1250	69.2	•	•	10/02	1.0	1.0	29
GRAND MEAN	76.3	•	•	09/29	1.3	1.0	35
LSD (5%)	4.4	•	•	2	0.4	•	•
C.V.	4.0	•	•	4	20.7	•	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, 2012.³Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2010 and 2011 Roundup Ready™ Full-Season Variety Tests.

Soil Series	Crowley silt loam
Soil pH	6.6
Previous Crop	Rice
Row Width	30 inches
Fertilizer Applied	80 lb/A P + 120 lb/A K, 4/24
Planting Date	5/10
Herbicide Applications	Dual Magnum + Roundup, 5/11; Storm, 6/8; Select, 6/11; Flexstar, 7/3; FirstRate, 7/20; Select, 8/9
Insecticide Applications	Python, 7/20; Intrepid + Acephate, 8/9
Irrigation Dates	6/28, 7/25, 8/2
Harvest Dates	MG 4E, 10/10; MG 4L, 10/10; MG 5E, 10/10; MG 5L, 10/10

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2012	2.1	1.6	3.2	3.8	6.0	4.9	21.6
Average	6.0	6.2	3.6	3.1	3.1	3.0	25.0
Departure	-3.9	-4.6	-0.4	0.7	2.9	1.9	-3.4

Table 12. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012.

Variety/Experimental Line	2012	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>							
HALO X456	47.3	•	•	9/24	1.0	1.0	34
Go Soy 4411 LL	45.3	49.9	•	9/24	1.0	1.0	35
Pioneer 94Y40 ³	41.1	•	•	9/24	1.0	1.0	31
HALO 4:65	41.0	47.2	48.0	9/24	1.0	1.0	34
GRAND MEAN	43.7	•	•	9/24	1.0	1.0	34
LSD (5%)	6.0	•	•	•	•	•	•
C.V.	8.6	•	•	•	•	•	•
<u>Maturity Group IV Late (RM 4.7 to 4.9)</u>							
ARMOR 49-C3	58.8	•	•	10/01	1.0	1.0	28
R05-4114	56.3	53.0	•	10/03	1.0	1.0	24
Go Soy 4812 LL	52.0	•	•	09/28	1.0	1.0	28
HALO 5:01	51.7	•	•	10/03	1.0	1.0	37
Delta Grow 4990LL	50.3	•	•	09/30	1.0	1.0	35
HALO 4:94	50.0	51.0	50.8	09/29	1.0	1.0	35
Progeny 4819LL	49.6	•	•	09/29	1.0	1.0	31
Go Soy 4910 LL	49.5	•	•	10/03	1.0	1.0	30
Go Soy 4912 LL	49.4	•	•	10/03	1.0	1.0	38
Delta Grow 4967LL	49.1	•	•	10/03	1.0	1.0	34
Dyna-Gro S48LL23	47.9	•	•	09/28	1.0	1.0	31
Progeny 4928LL	47.1	48.0	50.6	09/30	1.0	1.0	33
Willcross RR2477N ³	46.5	•	•	10/01	1.0	1.0	29
Go Soy 4711 LL	46.5	•	•	09/27	1.0	1.0	33
USG 74G82L	46.2	•	•	09/28	1.0	1.0	27
Croplan LC4880	45.3	•	•	09/24	1.0	1.0	36
HALO 4:76	43.6	•	•	09/30	1.0	1.0	31
Delta Grow 4867LL	42.5	•	•	09/28	1.0	1.0	29
R05-3239	41.9	45.9	48.9	10/02	1.0	1.0	25
USG 74G99L	41.0	45.5	47.8	10/01	1.0	1.0	29
HALO 4:95	40.9	•	•	09/28	1.0	1.0	28
GRAND MEAN	47.9	•	•	09/30	1.0	1.0	31
LSD (5%)	5.3	•	•	1	•	•	•
C.V.	8.0	•	•	3	•	•	•

Table 12. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
HALO 5:45	60.2	•	•	10/08	1.3	1.0	25
DB03-8416	59.4	55.7	56.8	10/05	1.0	1.0	23
Dyna-Gro 34LL53	56.8	56.0	•	10/03	1.0	1.0	27
HALO X50	56.6	•	•	10/09	1.0	1.0	36
AGS 553 LL	56.2	•	•	10/07	1.0	1.0	31
Ozark	55.9	50.9	53.0	10/04	1.1	1.0	26
Go Soy 5410 LL	55.7	•	•	10/01	1.0	1.0	35
JTN-5108	55.0	•	•	10/04	1.0	1.0	27
Go Soy 5010 LL	54.9	•	•	10/06	1.5	1.0	29
GLENN	54.9	55.5	53.6	10/05	1.0	1.0	22
ARMOR 50-C3	54.5	•	•	09/28	1.0	1.0	29
Progeny 5160LL	54.1	54.4	55.0	10/03	1.0	1.0	25
Willcross RR2544NS ³	53.7	•	•	10/04	1.0	1.0	28
Eagle Research 5376LL	53.5	•	•	10/05	1.5	1.0	35
HALO 5:25	53.5	55.9	55.1	10/02	1.0	1.0	25
JTN-5110	52.7	•	•	10/05	1.5	1.0	27
Hutcheson	52.6	51.4	50.9	10/04	1.0	1.0	26
Go Soy 5111 LL	52.6	48.5	•	10/05	1.3	1.0	25
HALO X55	52.1	•	•	10/07	1.0	1.0	30
JTN-5203	51.8	49.1	•	10/02	1.0	1.0	22
DB04-10836	51.7	52.5	52.2	10/08	2.0	1.0	26
Progeny 5460LL	51.7	49.8	48.6	10/02	1.0	1.0	32
Delta Grow 5461LL	49.3	50.0	•	10/05	1.0	1.0	33
S08-X17361	49.2	•	•	10/06	1.5	1.0	32
HALO 5:26	49.0	•	•	10/07	1.1	1.0	27
JTN-4408	43.4	•	•	09/28	1.3	1.0	26
JTN-4307	30.8	•	•	09/30	1.1	1.0	22
GRAND MEAN	52.6	•	•	10/04	1.1	1.0	28
LSD (5%)	7.8	•	•	3	0.4	•	•
C.V.	10.7	•	•	5	28.1	•	•

Table 12. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
R03-1250	64.4	•	•	10/07	1.0	1.0	29
UA 5612	61.6	54.6	56.5	10/07	1.0	1.0	30
Progeny 5610RY ³	60.3	•	•	10/08	1.0	1.0	26
AGS 5911 LL	58.7	54.2	•	10/08	1.0	1.0	29
Progeny 5960LL	58.6	56.0	53.9	10/08	1.0	1.0	28
Osage	57.6	57.5	58.1	10/03	1.0	1.0	26
R06-4433	57.2	55.8	58.3	10/08	1.0	1.0	29
R02-3065	48.1	•	•	10/10	1.0	1.0	24
GRAND MEAN	58.3	•	•	10/07	1.0	1.0	28
LSD (5%)	5.0	•	•	2	•	•	•
C.V.	5.8	•	•	23	•	•	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, 2012.³Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2010 and 2011 Roundup Ready™ Full-Season Variety Tests.

Soil Series	Sharkey clay
Previous Crop	Soybean
Row Width	19 inches
Planting Date	5/30
Fertilizer Applied	N/A
Herbicide Applications	Roundup PowerMax + Valor, 5/9; Pursuit, 6/11; Select, 6/19; Basagran + Blazer, 6/25
Insecticide Applications	Belt, 8/20; Orthene, 9/6
Irrigation Dates	6/28, 7/9, 7/23, 8/3, 8/23
Harvest Dates	MG 4E, 9/28; MG 4L, 10/13; MG 5E, 10/24; MG 5L, 10/24

	Precipitation (inches)					
	April	May	June	July	August	Total
2012	3.0	0.7	4.2	2.6	7.1	17.5
Average	4.6	5.1	3.5	3.3	2.5	19.0
Departure	-1.6	-4.4	0.7	-0.7	4.6	-1.5

Table 13. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2012¹.

Variety/Experimental Line	2012	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>							
JTN-5203	47.1	49.5	•	10/04	1.0	1.0	32
Progeny 5160LL	45.3	48.6	45.4	10/04	1.0	1.0	33
ARMOR 50-C3	43.8	•	•	10/03	1.0	1.0	37
JTN-5110	43.4	•	•	10/09	1.0	1.0	40
Willcross RR2544NS ⁴	43.0	•	•	10/04	1.0	1.0	37
Dyna-Gro 34LL53	43.0	47.4	•	10/04	1.0	1.0	35
JTN-5108	41.8	•	•	10/08	1.0	1.0	37
JTN-4408	40.1	•	•	10/01	1.0	1.0	36
Ozark	39.1	43.1	42.6	10/04	1.0	1.0	38
HALO 5:25	38.9	43.5	45.0	10/04	1.0	1.0	35
Progeny 5460LL	38.2	40.9	38.7	10/02	1.0	1.0	54
GLENN	38.0	43.5	41.6	10/04	1.0	1.0	35
HALO X55	37.8	•	•	10/07	1.0	1.0	40
DB04-10836	37.6	43.4	42.1	10/06	1.0	1.0	44
S08-X17361	36.8	•	•	10/07	1.0	1.0	51
Hutcheson	36.6	41.7	42.5	10/04	1.0	1.0	36
JTN-4307	35.3	•	•	10/04	1.0	1.0	29
Eagle Research 5376LL	34.7	•	•	10/06	1.0	1.0	48
Delta Grow 5461LL	34.5	38.6	•	10/02	1.0	1.0	51
HALO 5:45	33.9	•	•	10/05	1.0	1.0	37
HALO 5:26	33.9	•	•	09/29	1.0	1.0	40
DB03-8416	33.5	40.5	39.5	10/06	1.0	1.0	30
AGS 553 LL	33.3	•	•	10/01	1.0	1.0	52
Go Soy 5410 LL	33.1	•	•	09/27	1.0	1.0	50
Go Soy 5010 LL	30.4	•	•	09/28	1.0	1.0	40
HALO X50	29.5	•	•	10/04	1.0	1.0	54
Go Soy 5111 LL	28.5	37.5	•	09/25	1.0	1.0	39
GRAND MEAN	37.4	•	•	10/03	1.0	1.0	40
LSD (5%)	4.8	•	•	3	•	•	•
C.V.	9.3	•	•	7	•	•	•

Table 13. Performance of Irrigated, Non-Roundup Ready™ and LibertyLink™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2012¹, Continued.

Variety/Experimental Line	2012	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>							
UA 5612	45.6	49.6	48.4	10/10	1.0	1.0	40
R06-4433	40.9	47.7	47.4	10/12	1.0	1.0	36
Progeny 5610RY ⁴	40.0	•	•	10/09	1.0	1.0	40
Progeny 5960LL	39.9	42.5	41.0	10/11	1.0	1.0	42
R03-1250	39.5	•	•	10/09	1.0	1.0	43
Osage	38.6	46.4	43.9	10/05	1.0	1.0	35
R02-3065	36.4	•	•	10/09	1.0	1.0	37
AGS 5911 LL	36.3	40.4	•	10/12	1.0	1.0	41
GRAND MEAN	39.6	•	•	10/09	1.0	1.0	39
LSD (5%)	4.0	•	•	3	•	•	•
C.V.	6.9	•	•	24	•	•	•

¹Only MG 5s were tested at this location.²Average Yield for 2011 and 2012.³Average Yield for 2010, 2011, 2012.⁴Roundup Ready™ varieties for yield comparisons. These varieties had the highest 2-Year-average yields across all locations in the 2010 and 2011 Roundup Ready™ Full-Season Variety Tests.

Soil Series	Roxanna silt loam
Previous Crop	Soybean
Row Width	36 inches
Planting Date	5/23
Herbicide Applications	Dual Magnum + Pursuit, 5/23
Insecticide Applications	N/A
Irrigation Dates	5/24, 6/14, 6/21, 6/28, 7/5, 7/19, 7/24, 8/1, 8/8, 8/15, 8/22, 8/29
Harvest Dates	MG 5E, 10/24; MG 5L, 10/24

	Precipitation (inches)						
	May	June	July	August	September	October	Total
2012	2.2	1.5	3.8	0.5	4.6	2.4	15.0
Average	5.5	4.3	3.3	2.6	4.1	4.3	24.1
Departure	-3.3	-2.8	0.5	-2.1	0.5	-1.9	-9.1

Table 14. Yields of Maturity Group IV Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser					Stuttgart Irrigated	Rohwer Irrigated	Silt ² Loam Average	Clay ³ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Marianna Irrigated					
Maturity Group IV Early (RM 4.0 to 4.6)											
AgBorn S08-X0448	RR1	82.5	40.2	56.0	49.4	69.9	51.4	59.7	57.5	58.2	
AGS 43R212	RR2	72.8	42.7	58.6	60.9	75.9	55.3	68.4	57.3	61.0	
AGS 45R212	RR2	85.4	47.2	61.9	55.3	79.1	52.6	67.2	61.8	63.6	
Armor 44-R08	RR2	85.1	49.7	70.1	63.1	76.4	50.8	69.7	63.9	65.9	
Armor 46-R42	RR2	88.6	48.4	64.0	54.1	77.1	56.5	65.6	64.4	64.8	
Armor 46-R64	RR2	85.1	44.1	62.8	66.1	81.1	53.0	73.6	61.3	65.4	
Armor X1303	RR2/STS	82.5	46.6	59.5	55.9	78.8	49.3	67.3	59.5	62.1	
ASGROW AG4232	RR2/STS	83.6	43.6	65.9	52.2	78.1	45.9	65.2	59.7	61.5	
ASGROW AG4433	RR2	87.5	48.6	67.2	55.1	77.8	56.1	66.4	64.9	65.4	
ASGROW AG4531	RR2/STS	80.6	47.5	66.0	56.3	77.8	53.0	67.1	61.8	63.5	
ASGROW AG4533	RR2/STS	85.5	47.4	69.5	52.5	77.0	53.3	64.7	63.9	64.2	
ASGROW AG4632	RR2/STS	89.3	55.8	75.0	58.9	79.8	54.6	69.4	68.7	68.9	
ASGROW AG4633	RR2	82.4	49.7	57.8	57.7	76.7	51.7	67.2	60.4	62.7	
AvDX - D613	RR1	81.9	56.4	61.6	58.7	70.9	50.9	64.8	62.7	63.4	
Delta Grow 4575RR2	RR2	83.1	44.3	72.2	54.0	73.8	54.9	63.9	63.6	63.7	
Delta Grow 4670RR2	RR2	87.3	45.4	64.6	61.6	78.9	53.4	70.3	62.7	65.2	
Dyna-Gro 31RY45	RR2	86.4	48.9	69.6	67.5	75.5	52.1	71.5	64.3	66.7	
Dyna-Gro 39RY43	RR2	89.2	51.6	65.7	53.5	82.6	52.4	68.0	64.7	65.8	
Dyna-Gro S44RS93	RR2/STS	82.2	42.0	68.8	65.4	76.1	56.9	70.8	62.5	65.2	
HBK RY4620	RR2/STS	79.9	46.5	62.8	56.3	80.3	62.8	68.3	63.0	64.8	
LG C4625R2	RR2/STS	81.5	52.3	66.4	59.2	77.9	56.0	68.5	64.0	65.5	
Morsoy Xtra 44X82	RR2/STS	86.8	41.0	65.9	52.5	79.9	56.2	66.2	62.5	63.7	
Morsoy Xtra 46X29	RR2/STS	74.6	51.6	57.6	54.3	76.7	50.8	65.5	58.6	60.9	
Morsoy Xtra 46X71	RR2/STS	78.6	49.0	70.0	59.7	73.8	51.2	66.8	62.2	63.7	

Table 14. Yields of Maturity Group IV Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser						Stuttgart Irrigated	Rohwer Irrigated	Silt ²		All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Loam Average			Clay ³ Average		
Maturity Group IV Early (RM 4.0 to 4.6) Continued												
NK S41-J6 Brand	RR2	81.5	44.8	61.0	45.8	75.2	51.6	60.5	59.7	60.0		
NK S44-D5 Brand	RR1	82.4	50.3	63.9	59.7	75.7	55.8	67.7	63.1	64.6		
NK S46-A1 Brand	RR2	71.8	42.7	54.8	67.3	67.8	50.5	67.5	54.9	59.1		
NK S46-T3 Brand	RR1	78.0	49.3	67.0	56.5	76.6	54.1	66.5	62.1	63.6		
Pioneer 94Y23	RR1	89.0	39.9	70.7	57.2	77.1	51.9	67.1	62.9	64.3		
Pioneer 94Y40	RR1	86.1	41.7	67.4	52.5	76.8	58.3	64.6	63.3	63.8		
Progeny 4211RY	RR2	85.2	48.3	65.4	52.0	79.8	50.0	65.9	62.2	63.4		
Progeny 4510RY	RR2	78.8	47.5	61.5	59.3	77.9	52.5	68.6	60.0	62.9		
Progeny 4611RY	RR2	86.4	48.6	69.7	57.2	77.9	56.5	67.5	65.3	66.0		
REV [®] 46R73™	RR1	85.3	47.2	66.9	46.8	77.1	55.5	62.0	63.7	63.1		
S08-X14117	RR1	77.3	43.1	70.0	55.9	71.3	50.7	63.6	60.3	61.4		
Schillinger 457.RCP	RR1	77.0	48.5	67.0	59.0	77.8	55.7	68.4	62.1	64.2		
Willcross RY2460S	RR2/STS	80.8	51.6	62.2	51.7	76.7	55.9	64.2	62.6	63.1		
GRAND MEAN		82.8	47.1	65.0	56.8	76.7	53.5	66.8	62.1	63.7		
LSD (5%)		6.9	5.3	8.8	10.2	3.9	7.4	•	•	•		
C.V.		6.1	8.3	9.9	13.1	3.7	10.1	•	•	•		

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.

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.

²Average yields from Marianna Irrigated and Stuttgart Irrigated.

³Average yields from Keiser Irrigated, Keiser Non-Irrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 15. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Keiser Double-Crop				Stuttgart Irrigated	Rohwer Irrigated	Silt ² Loam Average	Clay ³ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Silt ² Loam Average					
Maturity Group IV Late (RM 4.7 to 4.9)														
AgBom S08-X27041	RR1	70.4	42.5	66.5	51.2	75.6	44.4	63.4	55.9	58.4				
AgBom S08-X78041	RR1	72.0	51.8	63.3	68.3	73.3	35.6	70.8	55.7	60.7				
AGS 47R212	RR2	83.3	50.4	60.5	68.6	74.8	39.8	71.7	58.5	62.9				
Armor 48-R40	RR2/STS	86.1	52.7	64.6	55.4	76.6	47.0	66.0	62.6	63.7				
Armor 48-R91	RR2/STS	93.0	39.4	67.2	61.9	73.6	48.7	67.7	62.1	64.0				
Armor 49-R56	RR2	89.2	50.4	61.1	56.1	84.5	57.2	70.3	64.5	66.4				
Armor DK 4744	RR2/STS	81.6	47.1	57.3	55.7	78.3	48.1	67.0	58.5	61.3				
Armor X1306	RR2	78.2	49.2	63.5	68.0	78.3	54.4	73.1	61.3	65.3				
Armor X1307	RR2/STS	85.4	53.4	76.8	62.0	73.7	43.2	67.8	64.7	65.7				
Armor X1308	RR2	89.3	50.9	69.6	67.2	77.9	44.9	72.6	63.7	66.6				
Armor X1309	RR2	80.6	48.4	67.6	54.2	69.9	43.6	62.1	60.0	60.7				
Armor X1311	RR2	78.8	48.5	67.0	60.8	75.7	42.7	68.3	59.2	62.2				
Armor X1312	RR2	85.2	50.1	69.6	64.0	76.5	49.5	70.2	63.6	65.8				
ASGROW AG4832	RR2/STS	77.5	46.7	64.9	67.5	76.9	49.2	72.2	59.6	63.8				
ASGROW AG4932	RR2	75.0	48.7	73.0	60.3	75.4	47.8	67.8	61.1	63.4				
ASGROW AG4933	RR2	86.7	51.1	70.1	63.1	74.7	48.7	68.9	64.2	65.7				
AvDX - D812	RR1	84.9	51.0	65.4	53.0	76.3	46.4	64.6	61.9	62.8				
Davis 4147RR2	RR2	76.4	54.0	72.3	55.9	79.2	41.3	67.6	61.0	63.2				
Davis 4148RR2Y	RR2/STS	76.7	49.4	67.3	74.5	79.0	40.4	76.7	58.4	64.5				
Delta Grow 4715RR2	RR2	84.5	47.0	75.1	57.4	76.1	50.8	66.8	64.4	65.2				
Delta Grow 4755RR2	RR2	76.3	52.2	66.5	67.7	80.1	49.9	73.9	61.2	65.5				
Delta Grow 4765RR2/STS	RR2/STS	83.8	54.0	75.3	52.9	79.1	51.6	66.0	66.2	66.1				
Delta Grow 4815RR2	RR2	79.5	53.6	53.0	60.4	76.0	40.9	68.2	56.8	60.6				
Delta Grow 4825 RR2/STS	RR2/STS	77.5	53.0	63.9	72.2	78.3	45.5	75.2	60.0	65.1				
Delta Grow 4870RR2	RR2	92.4	46.0	69.9	62.5	75.8	43.3	69.2	62.9	65.0				
Delta Grow 4875RR2/STS	RR2/STS	82.7	41.1	73.7	62.2	70.0	49.9	66.1	61.8	63.2				

Table 15. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart				Rohwer		Silt ²		All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Loam Average	Clay ³ Average				
.....bu/A.....														
<u>Maturity Group IV Late (RM 4.7 to 4.9) Continued</u>														
Delta Grow 4880RR	RR1	79.3	57.0	67.9	61.3	73.4	49.5	67.3	63.4	64.7				
Delta Grow 4925RR2	RR2	81.4	45.5	61.1	66.9	74.0	46.6	70.5	58.7	62.6				
Delta Grow 4970RR	RR1	80.2	47.2	67.4	64.4	71.8	51.0	68.1	61.4	63.7				
Delta Grow 4975RR	RR1	86.6	47.6	58.4	64.4	79.5	46.1	71.9	59.7	63.8				
Delta Grow 4980RR2	RR2	76.8	46.0	63.6	53.0	75.8	47.7	64.4	58.5	60.5				
Dyna-Gro 33RY47	RR2/STS	87.3	43.6	68.8	56.1	72.4	41.3	64.2	60.2	61.6				
Dyna-Gro 39D48	RR1	83.5	55.2	69.6	53.7	72.7	53.1	63.2	65.3	64.6				
Dyna-Gro S47RY13	RR2	76.7	48.0	68.4	51.2	78.2	45.4	64.7	59.6	61.3				
Eagle Seed ES4777	RR1	81.1	52.9	73.1	61.6	76.5	51.9	69.1	64.7	66.2				
Eagle Seed ES4818	RR1	71.7	51.0	64.6	62.7	69.0	49.8	65.8	59.3	61.4				
Eagle Seed ES4998	RR1	82.9	50.5	73.6	59.1	74.1	46.9	66.6	63.5	64.5				
HBK R4924	RR1	69.5	48.1	61.1	56.9	73.8	47.3	65.3	56.5	59.4				
HBK RY4721	RR2	82.0	46.4	67.0	53.5	70.5	48.3	62.0	60.9	61.3				
JGL EXP 480	RR2	82.2	47.2	66.2	62.3	73.7	43.9	68.0	59.9	62.6				
JGL EXP 481	RR2	75.6	42.4	71.2	65.6	74.4	45.3	70.0	58.6	62.4				
Morsoy Xtra 47X12	RR2	83.5	55.8	70.2	68.1	74.0	50.6	71.1	65.0	67.0				
Morsoy Xtra 47X31	RR2/STS	87.4	46.7	64.6	58.6	70.1	47.7	64.4	61.6	62.5				
Morsoy Xtra 48X00	RR2/STS	78.8	48.8	66.0	68.4	79.1	49.9	73.7	60.9	65.2				
Morsoy Xtra 48X02	RR2	79.9	51.2	68.6	64.2	81.3	51.5	72.7	62.8	66.1				
NK S48-P4 Brand	RR2/STS	78.5	44.7	64.4	49.5	75.9	50.0	62.7	59.4	60.5				
NK S49-F8 Brand	RR1	84.0	53.4	73.6	62.9	77.5	54.1	70.2	66.3	67.6				
Pioneer 94Y70	RR1	90.0	47.6	70.4	56.4	76.5	51.1	66.5	64.8	65.3				
Progeny 4710RY	RR2	87.5	55.3	75.3	61.1	72.5	46.2	66.8	66.1	66.3				
Progeny 4747RY	RR2	76.3	51.2	72.0	75.0	78.1	50.5	76.6	62.5	67.2				
Progeny 4814RY	RR2	82.0	50.0	70.7	60.1	73.3	36.7	66.7	59.8	62.1				
Progeny 4850RY	RR2	87.5	60.6	69.6	64.5	76.6	48.1	70.5	66.4	67.8				

Table 15. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser					Stuttgart Irrigated	Rohwer Irrigated	Silt ² Loam Average	Clay ³ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	bu/A					
Maturity Group IV Late (RM 4.7 to 4.9) Continued											
Progeny 4900RY	RR2	91.1	50.7	64.9	63.9	83.5	60.2	73.7	66.7	69.0	
Progeny 4920RY	RR2	76.3	48.0	67.5	60.9	76.3	32.0	68.6	55.9	60.2	
REV [®] 47R53™	RR1	75.6	54.5	70.2	61.4	73.1	46.3	67.2	61.6	63.5	
REV [®] 47R74™	RR1	79.6	44.4	62.2	53.8	73.0	48.9	63.4	58.8	60.3	
REV [®] 48R10™	RR1	77.7	50.4	57.9	54.0	77.1	41.1	65.5	56.8	59.7	
REV [®] 48R22™	RR1	78.6	46.8	72.3	64.1	74.2	49.3	69.1	61.8	64.2	
REV [®] 48R33™	RR1	73.7	44.7	69.0	60.9	74.9	43.5	67.9	57.7	61.1	
REV [®] 49R10™	RR1	85.5	43.0	72.5	62.6	72.6	50.9	67.6	63.0	64.5	
REV [®] 49R11™	RR1	79.5	40.2	66.1	45.6	79.7	43.5	62.7	57.4	59.1	
REV [®] 49R22™	RR1	79.9	47.3	66.3	57.9	76.6	43.6	67.2	59.3	61.9	
REV [®] 49R43™	RR1	84.1	45.9	72.7	64.6	77.4	50.8	71.0	63.4	65.9	
REV [®] 49R54™	RR1	91.0	49.4	62.8	57.5	74.0	43.8	65.8	61.7	63.1	
S08-X2499	RR1	68.0	46.3	61.9	61.3	72.9	37.0	67.1	53.3	57.9	
Schillinger 478.RCS	RR1/STS	73.0	43.0	69.9	54.0	75.5	42.7	64.8	57.1	59.7	
Schillinger 495.RC	RR1	65.9	52.7	67.3	60.7	77.6	54.5	69.2	60.1	63.1	
USG 74A91	RR1	70.1	43.2	55.4	60.8	74.3	45.3	67.5	53.5	58.2	
USG 74B81R	RR1/STS	82.7	43.0	63.6	57.8	76.4	45.6	67.1	58.7	61.5	
USG 74E88	RR1/STS	68.3	45.3	56.7	49.2	68.8	49.4	59.0	54.9	56.3	
USG 74H92R	RR2	82.5	51.1	63.0	55.6	75.8	34.3	65.7	57.7	60.4	
Willcross RR2477N	RR1	81.9	41.8	72.6	61.6	77.3	39.6	69.4	59.0	62.4	
Willcross RR2878NS	RR1/STS	71.1	40.1	61.1	47.3	71.8	46.5	59.5	54.7	56.3	
Willcross RY2482N	RR2	80.9	45.9	62.8	67.2	73.9	44.2	70.6	58.5	62.5	
GRAND MEAN		80.5	48.6	66.9	60.4	75.5	46.6	67.9	60.6	63.1	
LSD (5%)		7.8	7.6	9.5	12.8	4.0	5.9	•	•	•	
C.V.		7.2	11.5	10.5	12.7	4.0	9.4	•	•	•	

Table 15. Yields of Maturity Group IV Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹, 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.
²Average yields from Marianna Irrigated and Stuttgart Irrigated.
³Average yields from Keiser Irrigated, Keiser Non-Irrigated, Keiser Double-Crop Irrigated and Rohwer Irrigated.

Table 16. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser					Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Silt ³ Loam Average	Clay ⁴ Average	All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Double-Crop Irrigated	Marianna Irrigated	bu/A						
<u>Maturity Group V Early (RM 5.0 to 5.5)</u>												
AgBorn S06-X9464	RR1	66.9	57.6	58.0	66.5	79.3	55.4	43.6	63.2	59.5	61.1	
AGS 554 RR	RR1	65.3	58.6	64.1	51.3	70.9	53.9	35.8	52.6	60.5	57.1	
AgVenture 50K5RR™	RR1	85.4	58.1	65.5	58.2	78.1	43.8	39.0	58.4	63.2	61.1	
AgVenture 54K4RR™	RR1	72.8	56.6	77.7	58.2	79.0	54.5	37.6	58.3	65.4	62.3	
AgVenture 55K5RR™	RR1	76.2	66.9	63.4	60.5	74.1	53.4	37.3	57.3	65.0	61.7	
Armor 53-R15	RR2	78.9	56.4	67.0	55.2	63.9	46.5	40.4	53.2	62.2	58.3	
Armor 53-R88	RR2/STS	74.1	65.6	75.7	52.7	68.6	43.4	40.8	54.0	64.7	60.1	
Armor 55-R22	RR2	72.4	67.0	75.8	57.4	75.4	55.1	36.8	56.5	67.6	62.8	
Armor X1312-5	RR2	76.8	57.6	72.2	51.8	80.9	46.5	39.4	57.4	63.2	60.7	
Armor X1313	RR2	73.3	52.3	66.6	58.2	72.1	45.6	39.0	56.4	59.5	58.2	
Armor X1314	RR2	73.6	56.7	68.5	50.9	75.4	53.1	39.6	55.3	63.0	59.7	
Armor X1315	RR2	65.3	57.6	56.6	56.3	73.8	51.3	37.6	55.9	57.7	56.9	
Armor X1316	RR2	88.8	66.7	66.1	56.4	74.8	52.3	40.4	57.2	68.5	63.7	
ASGROW AG5232	RR2	75.1	62.9	66.8	51.1	69.5	46.4	43.2	54.6	62.8	59.3	
ASGROW AG5233	RR2/STS	79.1	55.2	65.6	66.6	78.4	54.8	43.2	62.8	63.7	63.3	
ASGROW AG5332	RR2	84.4	59.7	67.3	66.7	79.5	53.4	44.4	63.5	66.2	65.1	
ASGROW AG5532	RR2	71.8	56.2	57.0	49.8	76.9	50.8	38.0	54.9	59.0	57.2	
ASGROW AG5533	RR2/STS	75.9	62.0	56.9	56.4	75.4	58.8	39.6	57.2	63.4	60.7	
Croplan R2C5482	RR2	78.0	51.7	60.0	64.7	74.8	50.0	38.8	59.4	59.9	59.7	
Delta Gro 5175RR2	RR2	71.7	54.0	66.1	53.9	74.0	51.9	37.8	55.2	60.9	58.5	
Delta Gro 5475RR2	RR2	77.3	56.1	61.1	63.3	78.7	47.7	39.0	60.3	60.5	60.4	
Delta Gro 5535RR2	RR2	67.8	61.2	55.1	57.9	80.3	41.7	34.3	57.5	56.5	56.9	
Delta Gro 5556RR1	RR1	64.3	69.2	67.7	53.6	74.8	44.1	35.2	54.5	61.3	58.4	
Dyna-Gro 32RY55	RR2	75.9	62.0	67.2	62.3	77.7	57.9	39.0	59.7	65.8	63.1	
Dyna-Gro 35RY51	RR2	75.6	58.7	60.7	51.3	76.7	53.4	41.4	56.4	62.1	59.7	
Dyna-Gro 37RY52	RR2	77.8	59.4	67.0	52.3	68.3	49.1	38.2	53.0	63.3	58.9	
Dyna-Gro S54RY43	RR2	68.5	57.4	65.7	63.6	70.1	47.9	39.8	57.8	59.9	59.0	
Eagle Seed ES5400	RR1	64.1	58.7	72.5	55.6	73.7	49.9	32.3	53.9	61.3	58.1	
Eagle Seed ES5507	RR1	69.8	61.8	66.1	55.7	68.2	45.7	34.1	52.7	60.8	57.3	
Eagle Seed ES5519	RR1	66.2	52.0	70.7	49.0	71.9	43.8	32.7	51.2	58.1	55.2	

Table 16. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹, Continued.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart				Silt ³				All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Loam Average	Clay ⁴ Average				
<u>Maturity Group V Early (RM 5.0 to 5.5) Continued</u>														
HBK RY5221	RR2	80.3	56.8	69.0	47.7	76.3	51.5	37.2	53.7	64.4	59.8			
HBK RY5421	RR2	77.0	59.8	66.4	56.6	74.5	45.5	38.8	56.6	62.2	59.8			
HBK RY5521	RR2	68.6	56.3	68.6	53.8	74.2	50.2	38.2	55.4	60.9	58.6			
Morsoy 5429	RR1	81.1	66.9	69.1	57.5	72.9	56.3	38.4	56.3	68.3	63.2			
Morsoy Xtra 51X52	RR2	73.8	58.1	63.6	54.4	69.4	45.4	40.0	54.6	60.2	57.8			
Morsoy Xtra 53X82	RR2	68.7	59.1	64.7	62.6	75.7	50.4	36.6	58.3	60.7	59.7			
Morsoy Xtra 54X41	RR2	65.1	62.2	70.4	57.3	76.4	52.1	36.8	56.8	62.5	60.0			
NK S51-H9 Brand	RR2	77.4	50.9	68.1	47.4	75.6	55.4	40.7	54.6	62.9	59.3			
Pioneer 95Y01	RR1	76.7	59.3	67.9	48.4	78.1	45.8	37.4	54.6	62.5	59.1			
Pioneer 95Y10	RR1	83.5	62.9	74.6	47.0	74.3	43.4	41.6	54.3	66.1	61.0			
Pioneer 95Y40	RR1	76.8	58.8	60.9	43.1	79.1	49.5	39.0	53.7	61.5	58.2			
Pioneer 95Y50	RR1	76.9	65.1	68.1	58.2	81.3	50.5	45.3	61.6	65.2	63.6			
Progeny 5111RY	RR2	57.3	56.5	55.9	49.1	73.3	41.3	32.7	51.7	52.8	52.3			
Progeny 5210RY	RR2	76.1	57.9	63.8	49.2	67.6	50.5	43.4	53.4	62.1	58.4			
Progeny 5388RY	RR2	66.9	60.7	66.8	63.6	77.3	53.9	32.1	57.7	62.1	60.2			
Progeny 5412RY	RR2	63.2	55.0	53.5	60.9	76.4	48.1	38.2	58.5	55.0	56.5			
R04-1268RR	RR1	68.6	59.7	60.1	55.9	66.0	42.4	35.5	52.5	57.7	55.5			
R09-1607RR	RR1	61.7	53.3	65.6	56.1	73.6	49.6	37.4	55.7	57.6	56.8			
REV [®] 51R53™	RR1	87.9	59.1	58.2	56.2	80.1	43.5	39.6	58.6	62.2	60.6			
REV [®] 52R74™	RR1	77.7	50.1	69.0	50.8	85.2	52.4	39.4	58.5	62.3	60.7			
REV [®] 53R23™	RR1	84.7	57.6	61.1	52.6	81.3	52.1	39.6	57.8	63.9	61.3			
REV [®] 54R84™	RR1	79.4	64.0	66.5	52.6	73.5	63.3	36.0	54.0	68.3	62.2			
REV [®] 55R53™	RR1	70.4	58.3	68.3	50.0	75.9	60.7	41.4	55.8	64.4	60.7			
REV [®] 55R83™	RR1	81.6	64.2	71.9	62.9	78.5	49.9	40.0	60.4	66.9	64.1			
S08-X6399	RR1	74.6	47.3	65.9	53.5	73.0	43.7	43.0	56.5	57.9	57.3			
S08-X7279	RR1	67.4	57.4	69.1	55.7	76.4	50.8	39.4	57.1	61.2	59.4			
Schillinger 5220.RC	RR1	65.0	56.2	65.0	56.0	77.5	47.1	32.6	55.4	58.3	57.0			
Schillinger 557.RC	RR1	74.9	62.9	69.3	57.0	67.3	43.2	34.3	52.9	62.6	58.4			
USG 7553nRS	RR1/STS	78.6	55.4	63.3	51.9	70.3	54.0	41.8	54.7	62.9	59.3			
USG 75B21R	RR2	77.2	58.4	55.3	53.3	74.2	53.8	39.0	55.5	61.2	58.7			

Table 16. Yields of Maturity Group V Early, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹, 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		
Maturity Group V Early (RM 5.0 to 5.5) Continued												
USG 75Q42R	RR2	73.2	57.1	61.4	55.1	79.4	46.0	33.9	56.1	59.4	58.0	
USG 75Q52R	RR2	73.2	56.3	57.7	54.3	77.1	46.2	38.4	56.6	58.3	57.6	
Willcross RR2507NS	RR1/STS	72.6	47.2	62.2	49.0	73.7	44.8	38.4	53.7	56.7	55.4	
Willcross RR2544NS	RR1/STS	72.1	51.7	65.4	50.3	73.1	47.9	37.6	53.7	59.3	56.9	
Willcross RR2547N	RR1	68.7	58.3	61.9	43.8	78.8	47.5	37.4	53.3	59.1	56.6	
GRAND MEAN		73.7	58.4	65.2	55.1	75.0	49.7	38.5	56.2	61.8	59.4	
LSD (5%)		9.3	7.0	8.5	9.7	4.9	5.4	5.1	•	•	•	
C.V.		9.3	8.9	9.7	13.0	4.9	6.6	9.8	•	•	•	

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.

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 5s were tested at this location.

³Average yields from Marianna Irrigated, Stuttgart Irrigated and Kibler Irrigated.

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

Table 17. Yields of Maturity Group V Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹.

Variety/Experimental Line	Herbicide Tolerance	Keiser				Stuttgart				Silt ³		All-Location Average
		Keiser Irrigated	Keiser Non-Irrigated	Keiser Double-Crop Irrigated	Marianna Irrigated	Stuttgart Irrigated	Rohwer Irrigated	Kibler ² Irrigated	Loam Average	Clay ⁴ Average		
Maturity Group V Late (RM 5.6 to 5.9)												
AGS 568 RR	RR1	67.8	63.7	76.8	55.5	71.9	52.1	37.1	54.8	65.1	60.7	
AGS 597 RR	RR1	69.2	70.0	73.2	52.4	75.8	54.3	38.9	55.7	66.7	62.0	
ASGROW AG5632	RR2/STS	72.0	55.1	64.8	54.6	69.0	50.6	36.5	53.4	60.6	57.5	
ASGROW AG5633	RR2	78.1	61.8	67.0	56.9	73.1	58.2	40.6	56.8	66.3	62.2	
ASGROW AG5732	RR2	76.6	55.8	67.6	50.0	71.7	53.4	35.5	52.4	63.4	58.7	
Delta Grow 5625RR2	RR2	72.4	57.2	72.0	46.5	80.6	57.2	37.9	55.0	64.7	60.5	
Dyna-Gro 39RY57	RR2	73.9	60.9	65.1	57.5	76.6	55.8	38.1	57.4	63.9	61.1	
Eagle Seed ES5650	RR1	81.8	65.8	68.2	55.0	73.0	58.6	37.3	55.1	68.6	62.8	
NK S56-G6 Brand	RR1	74.4	59.8	66.8	52.3	74.1	52.4	36.5	54.3	63.4	59.5	
Progeny 5610RY	RR2	66.8	65.4	74.6	57.9	74.6	60.2	40.1	57.6	66.8	62.8	
Progeny 5655RY	RR2	69.3	60.7	55.9	56.2	79.5	51.7	31.2	55.6	59.4	57.8	
Progeny 5711RY	RR2	74.9	63.0	68.7	48.5	73.1	58.9	36.1	52.6	66.4	60.5	
Progeny 5811RY	RR2	69.7	55.7	76.4	59.4	78.3	53.6	39.1	58.9	63.9	61.7	
REV [®] 56R21™	RR1	77.3	63.4	70.7	47.4	77.3	56.8	40.5	55.1	67.0	61.9	
REV [®] 56R63™	RR1	79.5	69.6	71.1	56.1	75.9	58.9	38.7	56.9	69.8	64.3	
REV [®] 57R21™	RR1	80.1	58.9	79.8	55.7	79.9	57.9	39.9	58.5	69.2	64.6	
REV [®] 59R13™	RR1	70.3	62.8	66.1	52.8	75.3	53.6	34.3	54.1	63.2	59.3	
USG 75J62R	RR2	61.8	47.4	69.5	56.3	79.4	59.3	34.9	56.8	59.5	58.3	
USG 75Z98	RR1	71.3	69.1	69.0	56.1	75.0	55.6	35.7	55.6	66.2	61.7	
GRAND MEAN		73.0	61.4	69.6	54.1	75.5	55.8	37.3	55.6	64.9	60.9	
LSD (5%)		7.6	6.3	8.4	8.0	5.6	3.8	5.3	•	•	•	
C.V.		7.6	7.4	8.6	10.8	5.3	4.9	10.3	•	•	•	

Table 17. Yields of Maturity Group V Late, Full-Season, Roundup Ready™ Soybean Varieties and Strains at All Locations, 2012¹, 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 5s were tested at this location.

³Average yields from Marianna Irrigated, Stuttgart Irrigated and Kibler Irrigated.

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

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012.

Variety/Experimental Line	2012	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 AG4632	89.3	•	•	9/25	1.7	1.0	44
Dyna-Gro 39RY43	89.2	83.9	•	9/25	1.3	1.0	40
Pioneer 94Y23	89.0	•	•	9/23	1.3	1.0	40
Armor 46-R42	88.6	81.5	•	9/25	1.3	1.0	41
ASGROW AG4433	87.5	•	•	9/26	1.7	1.0	50
Delta Grow 4670RR2	87.3	82.4	•	9/24	2.0	1.0	44
Morsoy Xtra 44X82	86.8	•	•	9/25	1.7	1.0	47
Dyna-Gro 31RY45	86.4	79.1	•	9/25	2.3	1.0	51
Progeny 4611RY	86.4	84.7	•	9/24	2.3	1.0	50
Pioneer 94Y40	86.1	84.7	81.0	9/24	1.0	1.0	43
ASGROW AG4533	85.5	•	•	9/26	1.3	1.0	52
AGS 45R212	85.4	•	•	9/27	2.7	1.0	52
REV®46R73™	85.3	80.7	•	9/27	3.0	1.0	49
Progeny 4211RY	85.2	83.3	•	9/24	1.0	1.0	44
Armor 46-R64	85.1	•	•	9/25	2.0	1.0	49
Armor 44-R08	85.1	•	•	9/24	1.3	1.0	47
ASGROW AG4232	83.6	80.0	•	9/26	2.7	1.0	44
Delta Grow 4575RR2	83.1	•	•	9/25	2.7	1.0	45
AgBorn S08-X0448	82.5	•	•	9/24	2.0	1.0	51
Armor X1303	82.5	•	•	9/22	1.3	1.0	49
NK S44-D5 Brand	82.4	•	•	9/22	1.7	1.0	48
ASGROW AG4633	82.4	•	•	9/23	1.0	1.0	40
Dyna-Gro S44RS93	82.2	•	•	9/24	1.7	1.0	48
AvDX - D613	81.9	•	•	9/23	1.7	1.0	45
LG C4625R2	81.5	•	•	9/23	1.3	1.0	46
NK S41-J6 Brand	81.5	•	•	9/24	1.7	1.0	47
Willcross RY2460S	80.8	82.1	77.8	9/25	1.7	1.0	43
ASGROW AG4531	80.6	83.9	79.3	9/23	1.3	1.0	41
HBK RY4620	79.9	79.5	76.3	9/25	2.0	1.0	46
Progeny 4510RY	78.8	81.1	77.5	9/24	1.3	1.0	42
Morsoy Xtra 46X71	78.6	76.0	•	9/24	2.0	1.0	46
NK S46-T3 Brand	78.0	•	•	9/25	2.7	1.0	51
S08-X14117	77.3	•	•	9/25	1.7	1.0	48
Schillinger 457.RCP	77.0	75.3	74.3	9/25	3.7	1.0	43
Morsoy Xtra 46X29	74.6	74.8	74.1	9/23	1.7	1.0	47
AGS 43R212	72.8	•	•	9/25	1.3	1.0	46
NK S46-A1 Brand	71.8	71.8	•	9/25	1.3	1.0	56
GRAND MEAN	82.8	•	•	9/24	1.8	1.0	46
LSD (5%)	6.9	•	•	2	0.8	•	•
C.V.	6.1	•	•	5	34.2	•	•

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 48-R91	93.0	•	•	9/26	3.0	1.0	47
Delta Grow 4870RR2	92.4	•	•	9/26	2.7	1.0	48
Progeny 4900RY	91.1	•	•	9/26	1.3	1.0	41
REV®49R54™	91.0	•	•	9/27	3.0	1.0	50
Pioneer 94Y70	90.0	84.1	81.8	9/25	1.3	1.0	43
Armor X1308	89.3	•	•	9/26	2.0	1.0	39
Armor 49-R56	89.2	•	•	9/26	1.3	1.0	38
Progeny 4710RY	87.5	83.8		9/25	1.0	1.0	42
Progeny 4850RY	87.5	•	•	9/25	1.7	1.0	40
Morsoy Xtra 47X31	87.4	80.8		9/25	2.3	1.0	46
Dyna-Gro 33RY47	87.3	82.4	•	9/25	2.7	1.0	50
ASGROW AG4933	86.7	•	•	9/26	1.0	1.0	48
Delta Grow 4975RR	86.6	78.7	77.4	9/27	3.3	1.0	50
Armor 48-R40	86.1	83.6	•	9/25	1.0	1.0	37
REV®49R10™	85.5	81.1	79.5	9/24	3.0	1.0	56
Armor X1307	85.4	•	•	9/25	1.3	1.0	44
Armor X1312	85.2	•	•	9/27	2.3	1.0	41
AvDX - D812	84.9	•	•	9/27	2.0	1.0	41
Delta Grow 4715RR2	84.5	•	•	9/25	1.7	1.0	40
REV®49R43™	84.1	81.1	•	9/27	2.3	1.0	43
NK S49-F8 Brand	84.0	•	•	9/24	1.0	1.0	39
Delta Grow 4765RR2/STS	83.8	•	•	9/26	1.3	1.0	43
Dyna-Gro 39D48	83.5	80.7	•	9/24	1.7	1.0	42
Morsoy Xtra 47X12	83.5	•	•	9/26	2.0	1.0	40
AGS 47R212	83.3	•	•	9/24	1.3	1.0	39
Eagle Seed ES4998	82.9	79.9	77.9	9/24	1.7	1.0	50
USG 74B81R	82.7	80.9	•	9/25	1.7	1.0	49
Delta Grow 4875RR2/STS	82.7	•	•	9/26	1.7	1.0	48
USG 74H92R	82.5	•	•	9/25	1.7	1.0	44
JGL EXP 480	82.2	•	•	9/26	1.7	1.0	46
Progeny 4814RY	82.0	•	•	9/25	1.3	1.0	38
HBK RY4721	82.0	79.4	•	9/25	2.0	1.0	42
Willcross RR2477N	81.9	79.7	79.0	9/24	1.0	1.0	37
Armor DK 4744	81.6	81.5	78.0	9/24	1.0	1.0	53
Delta Grow 4925RR2	81.4	•	•	9/25	1.3	1.0	40
Eagle Seed ES4777	81.1	77.9	76.9	9/24	2.0	1.0	44
Willcross RY2482N	80.9	•	•	9/24	1.0	1.0	50
Armor X1309	80.6	•	•	9/26	1.3	1.0	47
Delta Grow 4970RR	80.2	76.6	78.4	9/26	1.7	1.0	52
REV®49R22™	79.9	76.7	74.9	9/25	2.7	1.0	42
Morsoy Xtra 48X02	79.9	•	•	9/24	1.5	1.0	39
REV®47R74™	79.6	•	•	9/25	1.0	1.0	43
REV®49R11™	79.5	77.8	74.7	9/26	1.3	1.0	41

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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) Continued</u>							
Delta Grow 4815RR2	79.5	•	•	9/24	1.3	1.0	40
Delta Grow 4880RR	79.3	77.7	77.1	9/26	3.3	1.0	39
Morsoy Xtra 48X00	78.8	80.7	77.4	9/25	1.7	1.0	44
Armor X1311	78.8	•	•	9/26	1.3	1.0	47
REV®48R22™	78.6	78.4	76.4	9/26	2.3	1.0	45
NK S48-P4 Brand	78.5	•	•	9/25	1.3	1.0	51
Armor X1306	78.2	•	•	9/25	1.7	1.0	46
REV®48R10™	77.7	78.2	75.7	9/25	1.7	1.0	40
Delta Grow 4825 RR2/STS	77.5	•	•	9/26	1.7	1.0	40
ASGROW AG4832	77.5	•	•	9/26	1.7	1.0	48
Delta Grow 4980RR2	76.8	•	•	9/26	1.0	1.0	35
Davis 4148RR2Y	76.7	•	•	9/25	1.7	1.0	42
Dyna-Gro S47RY13	76.7	•	•	9/24	1.7	1.0	50
Davis 4147RR2	76.4	•	•	9/25	1.3	1.0	34
Progeny 4920RY	76.3	•	•	9/25	1.0	1.0	38
Delta Grow 4755RR2	76.3	•	•	9/25	1.0	1.0	44
Progeny 4747RY	76.3	•	•	9/25	1.0	1.0	44
JGL EXP 481	75.6	•	•	9/26	1.7	1.0	49
REV®47R53™	75.6	76.4	•	9/24	1.7	1.0	43
ASGROW AG4932	75.0	75.3	•	9/24	2.0	1.0	50
REV®48R33™	73.7	77.5	•	9/26	2.0	1.0	40
Schillinger 478.RCS	73.0	76.2	74.5	9/25	2.0	1.0	39
AgBorn S08-X78041	72.0	•	•	9/26	1.3	1.0	48
Eagle Seed ES4818	71.7	73.9	74.5	9/26	1.7	1.0	51
Willcross RR2878NS	71.1	70.8	69.4	9/24	1.3	1.0	47
AgBorn S08-X27041	70.4	•	•	9/24	2.3	1.0	42
USG 74A91	70.1	74.4	73.3	9/25	2.0	1.0	43
HBK R4924	69.5	71.2	72.7	9/26	3.0	1.0	52
USG 74E88	68.3	69.7	67.1	9/25	1.5	1.0	43
S08-X2499	68.0	•	•	9/25	1.7	1.0	51
Schillinger 495.RC	65.9	68.2	73.8	9/25	3.7	1.0	48
GRAND MEAN	80.5	•	•	9/25	1.8	1.0	44
LSD (5%)	7.8	•	•	2	0.8	•	•
C.V.	7.2	•	•	5	32.5	•	•

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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)							
Armor X1316	88.8	•	•	10/05	1.3	1.0	35
REV®51R53™	87.9	81.0	•	10/05	1.0	1.0	39
AgVenture 50K5RR™	85.4	•	•	10/05	1.7	1.0	40
REV®53R23™	84.7	•	•	10/03	1.0	1.0	39
ASGROW AG5332	84.4	•	•	10/08	2.7	1.0	40
Pioneer 95Y10	83.5	•	•	10/03	1.0	1.0	48
REV®55R83™	81.6	•	•	10/04	2.0	1.0	39
Morsoy 5429	81.1	81.6	75.4	10/04	1.3	1.0	39
HBK RY5221	80.3	81.8	•	10/05	3.3	1.0	39
REV®54R84™	79.4	•	•	10/05	3.0	1.0	38
ASGROW AG5233	79.1	•	•	10/03	2.0	1.0	46
Armor 53-R15	78.9	79.5	74.8	10/04	1.7	1.0	38
USG 7553nRS	78.6	77.5	71.5	10/05	1.7	1.0	38
Croplan R2C5482	78.0	•	•	10/08	1.7	1.0	37
Dyna-Gro 37RY52	77.8	76.3	73.2	10/03	1.7	1.0	41
REV®52R74™	77.7	•	•	10/05	1.0	1.0	47
NK S51-H9 Brand	77.4	•	•	10/05	1.0	1.0	40
Delta Grow 5475RR2	77.3	•	•	10/07	2.3	1.0	39
USG 75B21R	77.2	75.9	•	10/05	1.0	1.0	39
HBK RY5421	77.0	79.9	•	10/05	1.3	1.0	36
Pioneer 95Y50	76.9	•	•	10/04	2.0	1.0	39
Pioneer 95Y40	76.8	78.1	72.8	10/04	2.0	1.0	35
Armor X1312-5	76.8	•	•	10/05	1.3	1.0	43
Pioneer 95Y01	76.7	•	•	10/03	2.3	1.0	53
AgVenture 55K5RR™	76.2	•	•	10/05	2.3	1.0	43
Progeny 5210RY	76.1	76.5	73.6	10/04	1.7	1.0	37
Dyna-Gro 32RY55	75.9	76.1	•	10/05	1.0	1.0	42
ASGROW AG5533	75.9	•	•	10/05	2.7	1.0	39
Dyna-Gro 35RY51	75.6	•	•	10/04	1.3	1.0	39
ASGROW AG5232	75.1	79.5	•	10/05	1.0	1.0	33
Schillinger 557.RC	74.9	75.2	70.2	10/05	1.3	1.0	35
S08-X6399	74.6	•	•	10/04	1.0	1.0	45
Armor 53-R88	74.1	79.8	•	10/03	1.0	1.0	39
Morsoy Xtra 51X52	73.8	•	•	10/03	2.7	1.0	41
Armor X1314	73.6	•	•	10/08	2.0	1.0	38
Armor X1313	73.3	•	•	10/02	1.7	1.0	37
USG 75Q52R	73.2	•	•	10/05	1.3	1.0	43

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 75Q42R	73.2	•	•	10/07	2.0	1.0	39
AgVenture 54K4RR™	72.8	•	•	10/05	2.7	1.0	34
Willcross RR2507NS	72.6	73.8	70.2	10/03	1.3	1.0	46
Armor 55-R22	72.4	74.6	•	10/04	1.7	1.0	41
Willcross RR2544NS	72.1	74.8	72.8	10/03	1.0	1.0	36
ASGROW AG5532	71.8	74.8	•	10/04	1.0	1.0	41
Delta Grow 5175RR2	71.7	•	•	10/03	2.3	1.0	37
REV®55R53™	70.4	•	•	10/04	2.0	1.0	35
Eagle Seed ES5507	69.8	72.3	69.3	10/07	2.0	1.0	40
Willcross RR2547N	68.7	69.3	70.0	10/05	3.0	1.0	46
Morsoy Xtra 53X82	68.7	•	•	10/07	2.3	1.0	41
R04-1268RR	68.6	69.3	•	10/03	2.0	1.0	38
HBK RY5521	68.6	73.0	•	10/06	2.0	1.0	42
Dyna-Gro S54RY43	68.5	•	•	10/07	2.3	1.0	38
Delta Grow 5535RR2	67.8	•	•	10/03	2.0	1.0	38
S08-X7279	67.4	•	•	10/05	2.5	1.0	50
AgBorn S06-X9464	66.9	•	•	10/05	2.0	1.0	48
Progeny 5388RY	66.9	•	•	10/08	1.7	1.0	51
Eagle Seed ES5519	66.2	•	•	10/06	2.0	1.0	44
AGS 554 RR	65.3	69.8	65.9	10/04	2.7	1.0	36
Armor X1315	65.3	•	•	10/03	1.3	1.0	38
Morsoy Xtra 54X41	65.1	73.3	•	10/05	1.0	1.0	36
Schillinger 5220.RC	65.0	73.1	•	10/05	1.0	1.0	44
Delta Grow 5556RR1	64.3	•	•	10/05	2.3	1.0	37
Eagle Seed ES5400	64.1	•	•	10/05	3.3	1.0	44
Progeny 5412RY	63.2	•	•	10/03	1.0	1.0	37
R09-1607RR	61.7	•	•	10/03	1.3	1.0	40
Progeny 5111RY	57.3	66.0	•	10/02	2.3	1.0	48
GRAND MEAN	73.7	•	•	10/05	1.8	1.0	40
LSD (5%)	9.3	•	•	2	0.8	•	•
C.V.	9.3	•	•	4	34.4	•	•

Table 18. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
Maturity Group V Late (RM 5.6 to 5.9)							
Eagle Seed ES5650	81.8	•	•	10/05	1.3	1.0	39
REV [®] 57R21™	80.1	79.3	76.2	10/05	2.0	1.0	34
REV [®] 56R63™	79.5	78.3	•	10/05	2.0	1.0	38
ASGROW AG5633	78.1	•	•	10/05	1.6	1.0	40
REV [®] 56R21™	77.3	77.5	74.5	10/04	2.3	1.0	40
ASGROW AG5732	76.6	•	•	10/05	1.0	1.0	38
Progeny 5711RY	74.9	79.2	•	10/03	2.0	1.0	38
NK S56-G6 Brand	74.4	74.4	•	10/04	1.0	1.0	35
Dyna-Gro 39RY57	73.9	•	•	10/03	2.3	1.0	43
Delta Grow 5625RR2	72.4	76.5	•	10/04	1.3	1.0	35
ASGROW AG5632	72.0	72.7	•	10/04	1.3	1.0	43
USG 75Z98	71.3	72.3	71.6	10/08	3.0	1.0	37
REV [®] 59R13™	70.3	•	•	10/07	2.7	1.0	40
Progeny 5811RY	69.7	76.2	•	10/05	1.7	1.0	34
Progeny 5655RY	69.3	70.1	•	10/01	2.0	1.0	48
AGS 597 RR	69.2	71.6	70.7	10/06	3.7	1.0	33
AGS 568 RR	67.8	71.5	68.9	10/05	2.0	1.0	39
Progeny 5610RY	66.8	74.2	72.0	10/05	1.3	1.0	39
USG 75J62R	61.8	•	•	10/07	2.3	1.0	56
GRAND MEAN	73.0	•	•	10/05	1.9	1.0	39
LSD (5%)	7.6	•	•	2	1.0	•	•
C.V.	7.6	•	•	4	37.6	•	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, 2012.

Soil Series Sharky silty clay
Previous Crop Corn
Row Width 38 inches
Planting Date 5/15
Herbicide Applications Valor + Gramoxone, 5/16; Flexstar + Dual Magnum, 5/31;
Storm + Select, 6/26
Irrigation Date 6/20, 6/28, 7/9, 7/25, 8/6, 8/16
Harvest Dates MG 4E, 10/17; MG 4L, 10/17; MG 5E, 10/23; MG 5L, 10/23

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2012	1.2	4.2	2.5	2.4	1.2	7.0	18.4
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	-3.6	-1.2	-1.5	-1.6	-1.3	3.8	-5.4

Table 19. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012.

Variety/Experimental Line	2012	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>							
AvDX - D613	56.4	•	•	9/17	1.0	1.0	32
ASGROW AG4632	55.8	•	•	9/16	1.0	1.0	39
LG C4625R2	52.3	•	•	9/20	1.0	1.0	24
Dyna-Gro 39RY43	51.6	52.0	•	9/17	1.0	1.0	31
Morsoy Xtra 46X29	51.6	49.5	45.4	9/19	1.0	1.0	33
Willcross RY2460S	51.6	49.1	45.9	9/20	1.0	1.0	34
NK S44-D5 Brand	50.3	•	•	9/17	1.0	1.0	36
Armor 44-R08	49.7	•	•	9/17	1.0	1.0	31
ASGROW AG4633	49.7	•	•	9/18	1.0	1.0	30
NK S46-T3 Brand	49.3	•	•	9/19	1.0	1.0	31
Morsoy Xtra 46X71	49.0	50.0	•	9/17	1.0	1.0	35
Dyna-Gro 31RY45	48.9	46.8	•	9/18	1.0	1.0	37
ASGROW AG4433	48.6	•	•	9/17	1.0	1.0	38
Progeny 4611RY	48.6	48.8	•	9/18	1.0	1.0	32
Schillinger 457.RCP	48.5	50.8	46.6	9/17	1.0	1.0	33
Armor 46-R42	48.4	53.9	•	9/17	1.0	1.0	33
Progeny 4211RY	48.3	51.3	•	9/18	1.0	1.0	33
ASGROW AG4531	47.5	49.7	46.8	9/19	1.0	1.0	30
Progeny 4510RY	47.5	45.8	44.3	9/19	1.0	1.0	33
ASGROW AG4533	47.4	•	•	9/18	1.0	1.0	33
AGS 45R212	47.2	•	•	9/19	1.0	1.0	40
REV [®] 46R73 [™]	47.2	50.5	•	9/17	1.0	1.0	33
Armor X1303	46.6	•	•	9/16	1.0	1.0	32
HBK RY4620	46.5	48.9	46.2	9/22	1.0	1.0	29
Delta Grow 4670RR2	45.4	49.5	•	9/18	1.0	1.0	37
NK S41-J6 Brand	44.8	•	•	9/18	1.0	1.0	37
Delta Grow 4575RR2	44.3	•	•	9/17	1.0	1.0	32
Armor 46-R64	44.1	•	•	9/17	1.0	1.0	31
ASGROW AG4232	43.6	47.1	•	9/18	1.0	1.0	36
S08-X14117	43.1	•	•	9/19	1.0	1.0	36
NK S46-A1 Brand	42.7	45.5	•	9/17	1.0	1.0	37
AGS 43R212	42.7	•	•	9/17	1.0	1.0	34
Dyna-Gro S44RS93	42.0	•	•	9/17	1.0	1.0	36
Pioneer 94Y40	41.7	45.4	42.8	9/17	1.0	1.0	31
Morsoy Xtra 44X82	41.0	•	•	9/19	1.0	1.0	34
AgBorn S08-X0448	40.2	•	•	9/19	1.0	1.0	39
Pioneer 94Y23	39.9	•	•	9/15	1.0	1.0	28
GRAND MEAN	47.1	•	•	9/18	1.0	1.0	34
LSD (5%)	5.3	•	•	3	•	•	•
C.V.	8.3	•	•	11	•	•	•

Table 19. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
Progeny 4850RY	60.6	•	•	10/01	1.0	1.0	40
Delta Grow 4880RR	57.0	56.8	51.8	09/29	1.0	1.0	40
Morsoy Xtra 47X12	55.8	•	•	10/01	1.0	1.0	39
Progeny 4710RY	55.3	54.2	•	10/01	1.0	1.0	29
Dyna-Gro 39D48	55.2	58.7	•	09/26	1.0	1.0	33
REV®47R53™	54.5	57.8	•	10/02	1.0	1.0	34
Delta Grow 4765RR2/STS	54.0	•	•	09/29	1.0	1.0	40
Davis 4147RR2	54.0	52.7	47.4	10/01	1.0	1.0	32
Delta Grow 4815RR2	53.6	•	•	09/30	1.0	1.0	34
NK S49-F8 Brand	53.4	•	•	10/01	1.0	1.0	36
Armor X1307	53.4	•	•	09/29	1.0	1.0	35
Delta Grow 4825 RR2/STS	53.0	•	•	10/02	1.0	1.0	35
Eagle Seed ES4777	52.9	51.1	48.0	09/29	1.0	1.0	33
Armor 48-R40	52.7	56.8	•	09/29	1.0	1.0	31
Schillinger 495.RC	52.7	56.9	50.8	09/30	1.0	1.0	39
Delta Grow 4755RR2	52.2	•	•	09/29	1.0	1.0	33
AgBorn S08-X78041	51.8	•	•	10/01	1.0	1.0	42
Progeny 4747RY	51.2	•	•	09/27	1.0	1.0	39
Morsoy Xtra 48X02	51.2	•	•	09/29	1.0	1.0	39
ASGROW AG4933	51.1	•	•	10/01	1.0	1.0	37
USG 74H92R	51.1	•	•	09/29	1.0	1.0	34
AvDX - D812	51.0	•	•	10/01	1.0	1.0	38
Eagle Seed ES4818	51.0	51.7	47.8	09/27	1.0	1.0	56
Armor X1308	50.9	•	•	09/30	1.0	1.0	35
Progeny 4900RY	50.7	•	•	10/01	1.0	1.0	25
Eagle Seed ES4998	50.5	53.0	49.4	09/30	1.0	1.0	40
Armor 49-R56	50.4	•	•	09/29	1.0	1.0	34
REV®48R10™	50.4	52.0	47.6	10/02	1.0	1.0	36
AGS 47R212	50.4	•	•	09/28	1.0	1.0	31
Armor X1312	50.1	•	•	09/27	1.0	1.0	38
Progeny 4814RY	50.0	•	•	10/01	1.0	1.0	33
Davis 4148RR2Y	49.4	•	•	09/28	1.0	1.0	36
REV®49R54™	49.4	•	•	09/29	1.0	1.0	39
Armor X1306	49.2	•	•	10/01	1.0	1.0	34
Morsoy Xtra 48X00	48.8	51.9	48.9	09/28	1.0	1.0	39
ASGROW AG4932	48.7	52.9	•	09/29	1.0	1.0	27
Armor X1311	48.5	•	•	10/01	1.0	1.0	35
Armor X1309	48.4	•	•	10/01	1.0	1.0	34
HBK R4924	48.1	50.4	46.5	10/01	1.0	1.0	40
Dyna-Gro S47RY13	48.0	•	•	10/02	1.0	1.0	38
Progeny 4920RY	48.0	•	•	10/02	1.0	1.0	35
Pioneer 94Y70	47.6	52.4	47.2	10/01	1.0	1.0	35
Delta Grow 4975RR	47.6	51.6	45.4	09/29	1.0	1.0	34

Table 19. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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) Continued</u>							
REV [®] 49R22™	47.3	48.8	44.7	10/01	1.0	1.0	33
Delta Grow 4970RR	47.2	51.4	47.0	10/03	1.0	1.0	36
JGL EXP 480	47.2	•	•	09/29	1.0	1.0	30
Armor DK 4744	47.1	51.4	47.5	09/29	1.0	1.0	33
Delta Grow 4715RR2	47.0	•	•	09/28	1.0	1.0	35
REV [®] 48R22™	46.8	50.0	46.8	09/30	1.0	1.0	34
ASGROW AG4832	46.7	•	•	10/01	1.0	1.0	36
Morsoy Xtra 47X31	46.7	49.0	•	09/27	1.0	1.0	37
HBK RY4721	46.4	50.3	•	09/27	1.0	1.0	38
S08-X2499	46.3	•	•	09/29	1.0	1.0	42
Delta Grow 4870RR2	46.0	•	•	09/29	1.0	1.0	42
Delta Grow 4980RR2	46.0	•	•	09/29	1.0	1.0	39
REV [®] 49R43™	45.9	48.8	•	10/01	1.0	1.0	32
Willcross RY2482N	45.9	•	•	10/01	1.0	1.0	37
Delta Grow 4925RR2	45.5	•	•	10/01	1.0	1.0	37
USG 74E88	45.3	48.9	44.4	09/29	1.0	1.0	34
NK S48-P4 Brand	44.7	•	•	10/02	1.0	1.0	32
REV [®] 48R33™	44.7	50.5	•	09/27	1.0	1.0	35
REV [®] 47R74™	44.4	•	•	10/01	1.0	1.0	31
Dyna-Gro 33RY47	43.6	46.5	•	09/27	1.0	1.0	39
USG 74A91	43.2	47.8	44.1	09/29	1.0	1.0	34
REV [®] 49R10™	43.0	45.7	41.2	09/29	1.0	1.0	32
USG 74B81R	43.0	47.5	•	09/28	1.0	1.0	35
Schillinger 478.RCS	43.0	46.8	44.2	09/28	1.0	1.0	34
AgBorn S08-X27041	42.5	•	•	10/01	1.0	1.0	38
JGL EXP 481	42.4	•	•	09/28	1.0	1.0	39
Willcross RR2477N	41.8	46.0	44.0	09/29	1.0	1.0	25
Delta Grow 4875RR2/STS	41.1	•	•	10/01	1.0	1.0	36
REV [®] 49R11™	40.2	45.5	40.5	09/29	1.0	1.0	34
Willcross RR2878NS	40.1	46.0	44.2	10/01	1.0	1.0	35
Armor 48-R91	39.4	•	•	09/29	1.0	1.0	40
GRAND MEAN	48.6	•	•	09/30	1.0	1.0	36
LSD (5%)	7.6	•	•	4	•	•	•
C.V.	11.5	•	•	10	•	•	•

Table 19. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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)							
Delta Grow 5556RR1	69.2	•	•	10/04	1.0	1.0	34
Armor 55-R22	67.0	66.6	•	10/03	1.0	1.0	33
AgVenture 55K5RR™	66.9	•	•	10/03	1.3	1.0	36
Morsoy 5429	66.9	63.6	55.7	10/04	1.0	1.0	32
Armor X1316	66.7	•	•	10/04	1.0	1.0	37
Armor 53-R88	65.6	61.8	•	10/04	1.0	1.0	29
Pioneer 95Y50	65.1	•	•	10/04	1.0	1.0	41
REV®55R83™	64.2	•	•	10/03	1.0	1.0	38
REV®54R84™	64.0	•	•	10/02	1.0	1.0	33
Pioneer 95Y10	62.9	•	•	10/03	1.0	1.0	39
Schillinger 557.RC	62.9	61.5	54.6	10/04	1.0	1.0	32
ASGROW AG5232	62.9	63.0	•	10/04	1.3	1.0	29
Morsoy Xtra 54X41	62.2	60.1	•	10/05	1.0	1.0	39
ASGROW AG5533	62.0	•	•	10/03	1.0	1.0	38
Dyna-Gro 32RY55	62.0	62.6	•	10/06	1.0	1.0	35
Eagle Seed ES5507	61.8	59.1	53.2	10/04	1.0	1.0	36
Delta Grow 5535RR2	61.2	•	•	10/05	1.0	1.0	36
Progeny 5388RY	60.7	•	•	10/04	1.0	1.0	41
HBK RY5421	59.8	59.9	•	10/04	1.0	1.0	30
ASGROW AG5332	59.7	•	•	10/03	1.0	1.0	32
R04-1268RR	59.7	59.2	•	10/04	1.0	1.0	35
Dyna-Gro 37RY52	59.4	57.8	50.5	10/06	1.0	1.0	31
Pioneer 95Y01	59.3	•	•	10/03	1.0	1.0	39
Morsoy Xtra 53X82	59.1	•	•	10/05	1.0	1.0	32
REV®51R53™	59.1	59.8	•	10/03	1.0	1.0	37
Pioneer 95Y40	58.8	59.7	52.2	10/09	1.0	1.0	34
Dyna-Gro 35RY51	58.7	•	•	10/04	1.0	1.0	33
Eagle Seed ES5400	58.7	•	•	10/04	1.0	1.0	39
AGS 554 RR	58.6	56.6	50.2	10/05	1.0	1.0	32
USG 75B21R	58.4	56.5	•	10/06	1.0	1.0	34
REV®55R53™	58.3	•	•	10/11	1.0	1.0	31
Willcross RR2547N	58.3	56.5	51.6	10/03	1.0	1.0	47
AgVenture 50K5RR™	58.1	•	•	10/05	1.0	1.0	36
Morsoy Xtra 51X52	58.1	•	•	09/30	1.0	1.0	39
Progeny 5210RY	57.9	57.0	51.5	10/05	1.0	1.0	35
Armor X1315	57.6	•	•	10/05	1.0	1.0	33

Table 19. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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							
REV [®] 53R23™	57.6	•	•	10/07	1.0	1.0	28
AgBorn S06-X9464	57.6	•	•	10/03	1.0	1.0	42
Armor X1312-5	57.6	•	•	09/28	1.0	1.0	39
S08-X7279	57.4	•	•	10/04	1.0	1.0	37
Dyna-Gro S54RY43	57.4	•	•	10/08	1.0	1.0	33
USG 75Q42R	57.1	•	•	10/08	1.0	1.0	34
HBK RY5221	56.8	58.2	•	10/06	1.7	1.0	41
Armor X1314	56.7	•	•	10/07	1.0	1.0	32
AgVenture 54K4RR™	56.6	•	•	10/03	2.0	1.3	42
Progeny 5111RY	56.5	56.9	•	09/29	1.0	1.0	39
Armor 53-R15	56.4	56.1	49.0	10/04	1.0	1.0	31
HBK RY5521	56.3	54.7	•	10/05	1.0	1.0	38
USG 75Q52R	56.3	•	•	10/03	1.0	1.0	36
Schillinger 5220.RC	56.2	57.1	•	10/05	1.0	1.0	39
ASGROW AG5532	56.2	54.6	•	10/05	1.0	1.0	31
Delta Grow 5475RR2	56.1	•	•	10/07	1.0	1.0	34
USG 7553nRS	55.4	55.9	49.2	10/03	1.0	1.0	31
ASGROW AG5233	55.2	•	•	10/04	1.0	1.0	35
Progeny 5412RY	55.0	•	•	10/05	1.0	1.0	31
Delta Grow 5175RR2	54.0	•	•	10/03	1.0	1.0	33
R09-1607RR	53.3	•	•	10/03	1.0	1.0	34
Armor X1313	52.3	•	•	09/29	1.0	1.0	36
Eagle Seed ES5519	52.0	•	•	10/04	1.0	1.0	39
Willcross RR2544NS	51.7	55.1	49.3	10/04	1.0	1.0	33
Croplan R2C5482	51.7	•	•	10/03	1.0	1.0	35
NK S51-H9 Brand	50.9	•	•	10/04	1.0	1.0	32
REV [®] 52R74™	50.1	•	•	10/02	1.0	1.0	36
S08-X6399	47.3	•	•	10/04	1.0	1.0	38
Willcross RR2507NS	47.2	49.3	42.8	10/01	1.0	1.0	42
GRAND MEAN	58.4	•	•	10/04	1.0	1.0	35
LSD (5%)	7.0	•	•	3	0.2	0.1	•
C.V.	8.9	•	•	5	17.0	7.2	•

Table 19. Performance of Non-Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 597 RR	70.0	69.7	61.4	10/05	1.3	1.0	36
REV [®] 56R63™	69.6	66.0	•	10/07	1.0	1.0	39
USG 75Z98	69.1	66.3	58.3	10/05	1.3	1.0	36
Eagle Seed ES5650	65.8	•	•	10/05	1.0	1.0	35
Progeny 5610RY	65.4	64.8	57.8	10/06	1.3	1.0	28
AGS 568 RR	63.7	63.0	55.6	10/03	1.1	1.0	36
REV [®] 56R21™	63.4	64.1	56.8	10/04	1.0	1.0	36
Progeny 5711RY	63.0	61.7	•	10/05	1.0	1.0	34
REV [®] 59R13™	62.8	•	•	10/07	1.5	1.0	35
ASGROW AG5633	61.8	•	•	10/04	1.0	1.0	34
Dyna-Gro 39RY57	60.9	•	•	10/05	1.5	1.0	38
Progeny 5655RY	60.7	57.5	•	10/05	1.0	1.0	33
NK S56-G6 Brand	59.8	57.5	•	10/03	1.0	1.0	32
REV [®] 57R21™	58.9	60.0	52.8	10/03	1.7	1.0	51
Delta Grow 5625RR2	57.2	58.9	•	10/05	1.0	1.0	36
ASGROW AG5732	55.8	•	•	10/02	1.0	1.0	26
Progeny 5811RY	55.7	57.7	•	10/05	1.0	1.0	35
ASGROW AG5632	55.1	55.9	•	10/04	1.0	1.0	30
USG 75J62R	47.4	•	•	10/05	1.3	1.0	42
GRAND MEAN	61.4	•	•	10/05	1.2	1.0	35
LSD (5%)	6.3	•	•	3	0.6	•	•
C.V.	7.4	•	•	49	35.5	•	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, 2012.

Soil Series Sharky silty clay
Previous Crop Corn
Row Width 38 inches
Planting Date MG 4, 5/15; MG 5, 5/14
Herbicide Applications Valor + Gramoxone, 5/16; Flexstar + Dual Magnum, 5/31;
Storm + Select, 6/26
Harvest Dates MG 4E, 10/10; MG 4L, 10/10; MG 5E, 10/23; MG 5L, 10/23

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2012	1.2	4.2	2.5	2.4	1.2	7.0	18.4
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	-3.6	-1.2	-1.5	-1.6	-1.3	3.8	-5.4

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2012.

Variety/Experimental Line	2012	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>							
ASGROW AG4632	75.0	•	•	9/25	1.0	1.0	44
Delta Grow 4575RR2	72.2	•	•	9/26	1.0	1.0	40
Pioneer 94Y23	70.7	•	•	9/25	1.0	1.0	48
Armor 44-R08	70.1	•	•	9/25	1.0	1.0	42
Morsoy Xtra 46X71	70.0	65.6	•	9/27	1.0	1.0	41
S08-X14117	70.0	•	•	9/26	1.0	1.0	40
Progeny 4611RY	69.7	65.7	•	9/26	1.0	1.0	42
Dyna-Gro 31RY45	69.6	65.6	•	9/25	1.0	1.0	37
ASGROW AG4533	69.5	•	•	9/26	1.0	1.0	44
Dyna-Gro S44RS93	68.8	•	•	9/24	1.0	1.0	46
Pioneer 94Y40	67.4	62.9	67.0	9/25	1.0	1.0	46
ASGROW AG4433	67.2	•	•	9/26	1.0	1.0	47
Schillinger 457.RCP	67.0	61.6	64.5	9/27	1.0	1.0	44
NK S46-T3 Brand	67.0	•	•	9/27	1.3	1.0	38
REV [®] 46R73™	66.9	64.1	•	9/26	1.0	1.0	43
LG C4625R2	66.4	•	•	9/27	1.3	1.0	44
ASGROW AG4531	66.0	63.4	64.4	9/28	1.0	1.0	40
Morsoy Xtra 44X82	65.9	•	•	9/25	1.3	1.0	41
ASGROW AG4232	65.9	64.3	•	9/25	1.0	1.0	43
Dyna-Gro 39RY43	65.7	64.9	•	9/27	1.0	1.0	34
Progeny 4211RY	65.4	67.6	•	9/25	1.3	1.0	36
Delta Grow 4670RR2	64.6	64.9	•	9/25	1.0	1.0	39
Armor 46-R42	64.0	62.6	•	9/25	1.0	1.0	38
NK S44-D5 Brand	63.9	•	•	9/24	1.0	1.0	44
HBK RY4620	62.8	61.6	64.4	9/27	1.3	1.0	38
Armor 46-R64	62.8	•	•	9/25	1.0	1.0	39
Willcross RY2460S	62.2	60.1	66.0	9/25	1.0	1.0	40
AGS 45R212	61.9	•	•	9/25	1.0	1.0	30
AvDX - D613	61.6	•	•	9/26	1.0	1.0	40
Progeny 4510RY	61.5	61.3	63.5	9/25	1.0	1.0	40
NK S41-J6 Brand	61.0	•	•	9/27	1.0	1.0	41
Armor X1303	59.5	•	•	9/27	1.0	1.0	39
AGS 43R212	58.6	•	•	9/25	1.0	1.0	36
ASGROW AG4633	57.8	•	•	9/26	1.0	1.0	39
Morsoy Xtra 46X29	57.6	59.9	61.4	9/27	1.0	1.0	44
AgBorn S08-X0448	56.0	•	•	9/25	1.0	1.0	42
NK S46-A1 Brand	54.8	56.2	•	9/25	1.0	1.0	44
GRAND MEAN	65.0	•	•	9/26	1.0	1.0	41
LSD (5%)	8.8	•	•	2	0.3	•	•
C.V.	9.9	•	•	6	20.8	•	•

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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 X1307	76.8	•	•	9/27	1.0	1.0	42
Delta Grow 4765RR2/STS	75.3	•	•	9/25	1.0	1.0	36
Progeny 4710RY	75.3	71.3	•	9/25	1.0	1.0	36
Delta Grow 4715RR2	75.1	•	•	9/27	1.0	1.0	38
Delta Grow 4875RR2/STS	73.7	•	•	9/26	1.0	1.0	36
Eagle Seed ES4998	73.6	67.3	69.6	9/25	1.0	1.0	34
NK S49-F8 Brand	73.6	•	•	9/24	1.0	1.0	35
Eagle Seed ES4777	73.1	65.6	67.5	9/26	1.0	1.0	36
ASGROW AG4932	73.0	66.4	•	9/25	1.0	1.0	40
REV [®] 49R43™	72.7	64.7	•	9/24	1.0	1.0	33
Willcross RR2477N	72.6	67.8	71.1	9/25	1.0	1.0	40
REV [®] 49R10™	72.5	68.8	70.5	9/26	1.3	1.0	47
REV [®] 48R22™	72.3	69.1	72.5	9/24	1.3	1.0	36
Davis 4147RR2	72.3	66.7	68.9	9/25	1.0	1.0	35
Progeny 4747RY	72.0	•	•	9/27	1.0	1.0	33
JGL EXP 481	71.2	•	•	9/25	1.0	1.0	39
Progeny 4814RY	70.7	•	•	9/25	1.0	1.0	33
Pioneer 94Y70	70.4	66.6	68.0	9/26	1.0	1.0	31
Morsoy Xtra 47X12	70.2	•	•	9/28	1.0	1.0	38
REV [®] 47R53™	70.2	64.9	•	9/26	1.0	1.0	37
ASGROW AG4933	70.1	•	•	9/26	1.0	1.0	34
Schillinger 478.RCS	69.9	64.5	65.4	9/25	1.0	1.0	37
Delta Grow 4870RR2	69.9	•	•	9/26	1.0	1.0	34
Progeny 4850RY	69.6	•	•	9/26	1.3	1.0	41
Armor X1308	69.6	•	•	9/25	1.3	1.0	35
Dyna-Gro 39D48	69.6	65.6	•	9/25	1.0	1.0	36
Armor X1312	69.6	•	•	9/25	1.0	1.0	33
REV [®] 48R33™	69.0	66.9	•	9/26	1.0	1.0	42
Dyna-Gro 33RY47	68.8	67.5	•	9/26	1.0	1.0	42
Morsoy Xtra 48X02	68.6	•	•	9/25	1.0	1.0	38
Dyna-Gro S47RY13	68.4	•	•	9/26	1.0	1.0	38
Delta Grow 4880RR	67.9	63.8	68.4	9/25	1.0	1.0	32
Armor X1309	67.6	•	•	9/25	1.0	1.0	37
Progeny 4920RY	67.5	•	•	9/27	1.3	1.0	38
Delta Grow 4970RR	67.4	65.3	69.3	9/26	1.0	1.0	34
Schillinger 495.RC	67.3	64.7	65.4	9/26	1.7	1.0	40
Davis 4148RR2Y	67.3	•	•	9/27	1.0	1.0	42
Armor 48-R91	67.2	•	•	9/25	1.0	1.0	35
HBK RY4721	67.0	65.3	•	9/27	1.3	1.0	42
Armor X1311	67.0	•	•	9/27	1.0	1.0	35
Delta Grow 4755RR2	66.5	•	•	9/26	1.0	1.0	38
AgBorn S08-X27041	66.5	•	•	9/25	1.0	1.0	46

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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) Continued</u>							
REV [®] 49R22™	66.3	65.0	67.5	9/25	1.3	1.0	37
JGL EXP 480	66.2	•	•	9/26	1.0	1.0	38
REV [®] 49R11™	66.1	65.9	68.3	9/27	1.0	1.0	32
Morsoy Xtra 48X00	66.0	64.5	66.5	9/26	1.0	1.0	35
AvDX - D812	65.4	•	•	9/27	1.0	1.0	41
ASGROW AG4832	64.9	•	•	9/25	1.0	1.0	40
Progeny 4900RY	64.9	•	•	9/25	1.0	1.0	39
Eagle Seed ES4818	64.6	62.6	65.8	9/25	1.0	1.0	42
Morsoy Xtra 47X31	64.6	63.0	•	9/25	1.0	1.0	39
Armor 48-R40	64.6	63.5	•	9/27	1.0	1.0	42
NK S48-P4 Brand	64.4	•	•	9/25	1.0	1.0	37
Delta Grow 4825 RR2/STS	63.9	•	•	9/25	1.0	1.0	33
USG 74B81R	63.6	63.2	•	9/27	1.0	1.0	33
Delta Grow 4980RR2	63.6	•	•	9/25	1.0	1.0	36
Armor X1306	63.5	•	•	9/26	1.0	1.0	38
AgBorn S08-X78041	63.3	•	•	9/27	1.0	1.0	36
USG 74H92R	63.0	•	•	9/25	1.3	1.0	34
Willcross RY2482N	62.8	•	•	9/27	1.0	1.0	41
REV [®] 49R54™	62.8	•	•	9/25	1.0	1.0	39
REV [®] 47R74™	62.2	•	•	9/25	1.0	1.0	38
S08-X2499	61.9	•	•	9/25	1.0	1.0	40
HBK R4924	61.1	60.0	64.8	9/25	1.0	1.0	44
Willcross RR2878NS	61.1	60.6	65.3	9/24	1.0	1.0	39
Delta Grow 4925RR2	61.1	•	•	9/25	1.0	1.0	39
Armor 49-R56	61.1	•	•	9/27	1.0	1.0	35
AGS 47R212	60.5	•	•	9/27	1.7	1.0	39
Delta Grow 4975RR	58.4	57.0	60.4	9/26	1.0	1.0	42
REV [®] 48R10™	57.9	56.9	61.3	9/25	1.0	1.0	35
Armor DK 4744	57.3	56.8	60.9	9/25	1.0	1.0	39
USG 74E88	56.7	58.6	60.9	9/25	1.0	1.0	35
USG 74A91	55.4	57.0	62.2	9/25	1.0	1.0	38
Delta Grow 4815RR2	53.0	•	•	9/28	1.0	1.0	39
GRAND MEAN	66.9	•	•	9/26	1.1	1.0	38
LSD (5%)	9.5	•	•	2	0.4	•	•
C.V.	10.5	•	•	7	25.7	•	•

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
AgVenture 54K4RR™	77.7	•	•	10/13	2.7	1.0	40
Armor 55-R22	75.8	64.4	•	10/10	1.7	1.0	38
Armor 53-R88	75.7	66.0	•	10/05	2.0	1.0	36
Pioneer 95Y10	74.6	•	•	10/05	1.0	1.0	40
Eagle Seed ES5400	72.5	•	•	10/08	1.7	1.0	40
Armor X1312-5	72.2	•	•	10/03	1.0	1.0	35
REV®55R83™	71.9	•	•	10/09	2.0	1.0	39
Eagle Seed ES5519	70.7	•	•	10/09	1.7	1.0	40
Morsoy Xtra 54X41	70.4	62.8	•	10/10	1.7	1.0	38
Schillinger 557.RC	69.3	62.7	64.3	10/09	2.0	1.0	34
Morsoy 5429	69.1	63.8	66.8	10/07	2.3	1.0	42
S08-X7279	69.1	•	•	10/07	1.0	1.0	39
REV®52R74™	69.0	•	•	10/05	1.0	1.0	39
HBK RY5221	69.0	63.2	•	10/05	1.3	1.0	40
HBK RY5521	68.6	63.6	•	10/09	2.0	1.0	34
Armor X1314	68.5	•	•	10/09	2.0	1.0	37
REV®55R53™	68.3	•	•	10/08	2.3	1.0	36
Pioneer 95Y50	68.1	•	•	10/09	2.3	1.0	41
NK S51-H9 Brand	68.1	•	•	10/05	1.5	1.0	39
Pioneer 95Y01	67.9	•	•	10/02	1.0	1.0	38
Delta Grow 5556RR1	67.7	•	•	10/08	2.3	1.0	41
ASGROW AG5332	67.3	•	•	10/07	1.3	1.0	36
Dyna-Gro 32RY55	67.2	61.6	•	10/07	1.3	1.0	42
Armor 53-R15	67.0	62.9	67.0	10/07	2.3	1.0	39
Dyna-Gro 37RY52	67.0	61.3	65.2	10/06	1.7	1.0	34
Progeny 5388RY	66.8	•	•	10/05	1.0	1.0	43
ASGROW AG5232	66.8	61.9	•	10/03	2.0	1.0	40
Armor X1313	66.6	•	•	10/05	2.3	1.0	35
REV®54R84™	66.5	•	•	10/08	2.7	1.0	31
HBK RY5421	66.4	63.5	•	10/04	2.0	1.0	34
Armor X1316	66.1	•	•	10/09	2.3	1.0	39
Delta Grow 5175RR2	66.1	•	•	10/07	2.0	1.0	41
Eagle Seed ES5507	66.1	57.7	62.3	10/11	2.3	1.0	37
S08-X6399	65.9	•	•	10/02	1.0	1.0	40
Dyna-Gro S54RY43	65.7	•	•	10/09	2.0	1.0	39

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
R09-1607RR	65.6	•	•	10/05	2.0	1.0	42
ASGROW AG5233	65.6	•	•	10/04	1.0	1.0	39
AgVenture 50K5RR™	65.5	•	•	10/05	1.0	1.0	36
Willcross RR2544NS	65.4	63.9	65.7	10/07	1.3	1.0	41
Schillinger 5220.RC	65.0	63.1	•	10/06	1.3	1.0	43
Morsoy Xtra 53X82	64.7	•	•	10/10	2.0	1.0	37
AGS 554 RR	64.1	57.9	63.6	10/09	3.3	1.0	41
Progeny 5210RY	63.8	61.0	65.6	10/05	2.0	1.0	36
Morsoy Xtra 51X52	63.6	•	•	10/05	2.7	1.0	38
AgVenture 55K5RR™	63.4	•	•	10/12	3.0	1.0	41
USG 7553nRS	63.3	60.0	61.8	10/08	2.3	1.0	36
Willcross RR2507NS	62.2	59.2	62.2	10/02	1.0	1.0	45
Willcross RR2547N	61.9	62.9	66.2	10/06	1.0	1.0	38
USG 75Q42R	61.4	•	•	10/07	2.0	1.0	39
REV®53R23™	61.1	•	•	10/09	2.0	1.0	33
Delta Grow 5475RR2	61.1	•	•	10/10	3.0	1.0	37
Pioneer 95Y40	60.9	58.8	62.2	10/11	2.3	1.0	37
Dyna-Gro 35RY51	60.7	•	•	10/04	1.3	1.0	38
R04-1268RR	60.1	56.2	•	10/05	1.7	1.0	39
Croplan R2C5482	60.0	•	•	10/07	2.0	1.0	39
REV®51R53™	58.2	57.7	•	10/05	1.0	1.0	34
AgBorn S06-X9464	58.0	•	•	10/07	1.3	1.0	42
USG 75Q52R	57.7	•	•	10/07	2.0	1.0	34
ASGROW AG5532	57.0	56.4	•	10/09	1.7	1.0	39
ASGROW AG5533	56.9	•	•	10/05	1.7	1.0	45
Armor X1315	56.6	•	•	10/08	1.7	1.0	35
Progeny 5111RY	55.9	55.4	•	10/02	1.0	1.0	39
USG 75B21R	55.3	56.1	•	10/06	2.5	1.0	37
Delta Grow 5535RR2	55.1	•	•	10/08	1.7	1.0	39
Progeny 5412RY	53.5	•	•	10/07	2.0	1.0	42
GRAND MEAN	65.2	•	•	10/07	1.8	1.0	38
LSD (5%)	8.5	•	•	3	0.8	•	•
C.V.	9.7	•	•	7	33.6	•	•

Table 20. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains in Double-Crop Tests, Northeast Research and Extension Center, Keiser, Ark., 2012, Continued.

Variety/Experimental Line	2012	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™	79.8	69.2	70.0	10/09	2.2	1.0	42
AGS 568 RR	76.8	68.4	68.8	10/10	2.4	1.0	39
Progeny 5811RY	76.4	68.2	•	10/10	2.0	1.0	38
Progeny 5610RY	74.6	68.9	72.9	10/09	2.4	1.0	39
AGS 597 RR	73.2	65.1	69.7	10/09	2.3	1.0	38
Delta Grow 5625RR2	72.0	64.3	•	10/08	1.3	1.0	36
REV [®] 56R63™	71.1	64.2	•	10/13	2.7	1.0	38
REV [®] 56R21™	70.7	62.0	64.5	10/11	2.3	1.0	41
USG 75J62R	69.5	•	•	10/03	1.4	1.0	34
USG 75Z98	69.0	60.5	65.8	10/12	3.0	1.0	33
Progeny 5711RY	68.7	64.1	•	10/08	2.3	1.0	37
Eagle Seed ES5650	68.2	•	•	10/09	2.3	1.0	35
ASGROW AG5732	67.6	•	•	10/07	2.0	1.0	44
ASGROW AG5633	67.0	•	•	10/07	2.0	1.0	34
NK S56-G6 Brand	66.8	59.5	•	10/10	1.7	1.0	35
REV [®] 59R13™	66.1	•	•	10/11	2.4	1.0	38
Dyna-Gro 39RY57	65.1	•	•	10/08	2.3	1.0	31
ASGROW AG5632	64.8	61.1	•	10/08	2.0	1.0	40
Progeny 5655RY	55.9	57.6	•	10/09	1.4	1.0	41
GRAND MEAN	69.6	•	•	10/09	2.1	1.0	38
LSD (5%)	8.4	•	•	2	1.0	•	•
C.V.	8.6	•	•	18	34.1	•	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, 2012.

Soil Series	Sharkey silty clay
Previous Crop	Corn
Row Width	Four 7.5-inch rows on two 38-inch beds
Planting Date	6/15
Herbicide Applications	Valor + Gramoxone, 6/15; Flexstar + Dual Magnum, 6/28; Storm + Select, 7/17
Irrigation Dates	6/22, 6/28, 7/5, 7/23, 7/26, 8/2, 8/7, 8/14, 8/21
Harvest Dates	MG 4E, 11/2; MG 4L, 11/2; MG 5E, 11/2; MG 5L, 11/2

	Precipitation (inches)						
	April	May	June	July	August	Sept.	Total
2012	1.2	4.2	2.5	2.4	1.2	7.0	18.4
Average	4.8	5.4	4.0	4.0	2.4	3.2	23.8
Departure	-3.6	-1.2	-1.5	-1.6	-1.3	3.8	-5.4

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2012.

Variety/Experimental Line	2012	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>							
Dyna-Gro 31RY45	67.5	•	•	9/20	1.6	1.0	38
NK S46-A1 Brand	67.3	•	•	9/16	2.3	1.0	43
Armor 46-R64	66.1	•	•	9/21	2.0	1.0	37
Dyna-Gro S44RS93	65.4	•	•	9/13	0.9	1.0	29
Armor 44-R08	63.1	•	•	9/14	2.1	1.0	33
Delta Grow 4670RR2	61.6	•	•	9/21	2.3	1.0	39
AGS 43R212	60.9	•	•	9/12	2.0	1.0	35
NK S44-D5 Brand	59.7	•	•	9/14	2.0	1.0	35
Morsoy Xtra 46X71	59.7	•	•	9/21	2.0	1.3	37
Progeny 4510RY	59.3	58.3	•	9/23	1.9	1.0	36
LG C4625R2	59.2	•	•	9/22	1.9	1.0	42
Schillinger 457.RCP	59.0	56.3	64.8	9/17	2.7	1.3	46
ASGROW AG4632	58.9	•	•	9/21	2.0	1.0	42
AvDX - D613	58.7	•	•	9/20	2.3	1.0	38
ASGROW AG4633	57.7	•	•	9/12	1.1	1.0	34
Progeny 4611RY	57.2	•	•	9/20	1.7	1.0	40
Pioneer 94Y23	57.2	•	•	9/09	0.9	1.0	37
NK S46-T3 Brand	56.5	•	•	9/14	1.9	1.0	42
ASGROW AG4531	56.3	56.7	•	9/18	1.7	1.0	36
HBK RY4620	56.3	54.4	•	9/21	2.0	1.0	37
S08-X14117	55.9	•	•	9/10	2.0	1.0	40
Armor X1303	55.9	•	•	9/05	1.9	1.0	35
AGS 45R212	55.3	•	•	9/18	1.7	1.0	37
ASGROW AG4433	55.1	•	•	9/16	1.5	1.0	34
Morsoy Xtra 46X29	54.3	56.4	•	9/21	2.0	1.0	38
Armor 46-R42	54.1	•	•	9/12	1.0	1.0	36
Delta Grow 4575RR2	54.0	•	•	9/11	2.0	1.3	36
Dyna-Gro 39RY43	53.5	•	•	9/11	1.9	1.0	31
Morsoy Xtra 44X82	52.5	•	•	9/09	1.3	1.0	39
ASGROW AG4533	52.5	•	•	9/17	1.9	1.0	35
Pioneer 94Y40	52.5	56.0	•	9/11	1.3	1.0	33
ASGROW AG4232	52.2	•	•	9/12	2.3	1.3	40
Progeny 4211RY	52.0	•	•	9/09	1.7	1.0	35
Willcross RY2460S	51.7	53.6	•	9/22	2.0	1.3	39
AgBorn S08-X0448	49.4	•	•	9/11	2.6	2.0	42
REV®46R73™	46.8	•	•	9/09	2.4	2.5	36
NK S41-J6 Brand	45.8	•	•	9/12	2.0	1.3	33
GRAND MEAN	56.8	•	•	9/15	1.9	1.1	37
LSD (5%)	10.2	•	•	3	0.5	0.4	•
C.V.	13.1	•	•	15	21.2	25.3	•

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2012, Continued.

Variety/Experimental Line	2012	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)							
Progeny 4747RY	75.0	•	•	9/20	2.5	1.5	46
Davis 4148RR2Y	74.5	•	•	9/24	2.5	1.0	38
Delta Grow 4825 RR2/STS	72.2	•	•	9/25	2.0	1.0	36
AGS 47R212	68.6	•	•	9/20	3.0	1.5	41
Morsoy Xtra 48X00	68.4	65.4	•	9/20	2.5	1.0	35
AgBorn S08-X78041	68.3	•	•	9/25	3.0	1.0	46
Morsoy Xtra 47X12	68.1	•	•	9/26	2.0	1.5	42
Armor X1306	68.0	•	•	9/19	2.5	1.0	44
Delta Grow 4755RR2	67.7	•	•	9/21	2.5	1.0	44
ASGROW AG4832	67.5	•	•	9/25	2.0	2.0	43
Armor X1308	67.2	•	•	9/18	3.0	1.5	44
Willcross RY2482N	67.2	•	•	9/21	3.0	1.0	44
Delta Grow 4925RR2	66.9	•	•	9/23	2.0	1.0	43
JGL EXP 481	65.6	•	•	9/18	4.0	1.5	44
REV [®] 49R43™	64.6	•	•	9/21	4.0	2.0	36
Progeny 4850RY	64.5	•	•	9/23	2.0	1.0	44
Delta Grow 4970RR	64.4	57.8	62.3	9/19	3.0	1.0	42
Delta Grow 4975RR	64.4	59.9	66.3	9/30	4.0	1.0	38
Morsoy Xtra 48X02	64.2	•	•	9/20	2.5	1.0	38
REV [®] 48R22™	64.1	55.6	•	9/18	2.5	1.5	41
Armor X1312	64.0	•	•	9/26	2.0	1.0	38
Progeny 4900RY	63.9	•	•	9/20	2.0	1.0	41
ASGROW AG4933	63.1	•	•	9/21	2.0	1.0	35
NK S49-F8 Brand	62.9	•	•	9/21	2.0	1.0	40
Eagle Seed ES4818	62.7	60.4	•	9/30	2.5	1.0	55
REV [®] 49R10™	62.6	60.5	•	9/22	4.0	1.0	46
Delta Grow 4870RR2	62.5	•	•	9/16	3.0	1.5	36
JGL EXP 480	62.3	•	•	9/19	5.0	1.0	40
Delta Grow 4875RR2/STS	62.2	•	•	9/20	3.0	1.5	44
Armor X1307	62.0	•	•	9/22	2.0	1.5	42
Armor 48-R91	61.9	•	•	9/18	2.5	2.0	45
Eagle Seed ES4777	61.6	59.8	•	9/20	2.0	1.5	37
Willcross RR2477N	61.6	64.0	•	9/21	3.0	1.0	33
REV [®] 47R53™	61.4	•	•	9/19	4.0	1.0	37
Delta Grow 4880RR	61.3	58.9	•	9/24	4.5	1.5	40
S08-X2499	61.3	•	•	9/26	3.0	1.5	45
Progeny 4710RY	61.1	•	•	9/20	2.0	1.0	33
REV [®] 48R33™	60.9	•	•	9/11	3.0	2.0	42
Progeny 4920RY	60.9	•	•	9/25	2.0	1.0	43
Armor X1311	60.8	•	•	9/25	2.5	1.0	40
USG 74A91	60.8	57.4	65.3	9/21	2.5	1.0	44
Schillinger 495.RC	60.7	58.8	66.5	9/26	4.0	1.0	37
Delta Grow 4815RR2	60.4	•	•	9/15	2.0	1.5	36

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2012, Continued.

Variety/Experimental Line	2012	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							
ASGROW AG4932	60.3	•	•	9/25	2.0	1.0	42
Progeny 4814RY	60.1	•	•	9/19	2.0	1.0	37
Eagle Seed ES4998	59.1	60.6	•	9/19	2.5	1.0	39
Morsoy Xtra 47X31	58.6	•	•	9/19	2.5	2.0	51
REV®49R22™	57.9	57.5	•	9/22	2.5	2.0	44
USG 74B81R	57.8	•	•	9/21	3.0	1.0	48
REV®49R54™	57.5	•	•	9/21	3.0	1.0	46
Delta Grow 4715RR2	57.4	•	•	9/18	2.0	2.0	39
HBK R4924	56.9	58.2	62.9	9/25	3.5	1.5	48
Pioneer 94Y70	56.4	53.0	65.5	9/13	2.5	2.0	41
Armor 49-R56	56.1	•	•	9/19	2.0	1.0	35
Dyna-Gro 33RY47	56.1	•	•	9/17	2.0	1.5	45
Davis 4147RR2	55.9	59.2	•	9/18	2.5	1.5	38
Armor DK 4744	55.7	54.8	•	9/19	2.0	1.5	39
USG 74H92R	55.6	•	•	9/23	2.5	1.0	38
Armor 48-R40	55.4	•	•	9/19	2.0	1.5	36
Armor X1309	54.2	•	•	9/23	2.0	1.5	36
Schillinger 478.RCS	54.0	55.3	64.4	9/25	2.5	2.0	41
REV®48R10™	54.0	54.5	•	9/17	2.0	2.5	37
REV®47R74™	53.8	•	•	9/15	2.0	3.0	38
Dyna-Gro 39D48	53.7	•	•	9/16	2.0	2.0	43
HBK RY4721	53.5	•	•	9/21	2.5	1.5	45
AvDX - D812	53.0	•	•	9/13	2.5	1.0	42
Delta Grow 4980RR2	53.0	•	•	9/24	2.0	1.5	41
Delta Grow 4765RR2/STS	52.9	•	•	9/23	2.0	1.0	41
Dyna-Gro S47RY13	51.2	•	•	9/18	2.0	1.0	41
AgBorn S08-X27041	51.2	•	•	9/16	3.5	2.0	46
NK S48-P4 Brand	49.5	•	•	9/21	2.0	1.0	44
USG 74E88	49.2	48.2	•	9/15	2.5	1.5	45
Willcross RR2878NS	47.3	47.0	•	9/16	2.0	1.0	43
REV®49R11™	45.6	45.7	•	9/14	2.0	2.0	38
GRAND MEAN	60.4	•	•	9/20	2.6	1.4	41
LSD (5%)	12.8	•	•	5	0.9	0.6	•
C.V.	12.7	•	•	14	21.9	28.2	•

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2012, Continued.

Variety/Experimental Line	2012	2-Year ³ Average	3-Year ⁴ 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	66.7	•	•	09/30	2.7	1.0	37
ASGROW AG5233	66.6	•	•	09/25	2.5	1.0	41
AgBorn S06-X9464	66.5	•	•	09/29	3.0	1.5	40
Croplan R2C5482	64.7	•	•	10/03	2.0	1.0	32
Dyna-Gro S54RY43	63.6	•	•	10/03	2.0	1.0	36
Progeny 5388RY	63.6	•	•	10/06	2.0	1.3	49
Delta Grow 5475RR2	63.3	•	•	10/04	2.0	1.0	38
REV [®] 55R83™	62.9	•	•	10/05	1.3	1.3	35
Morsoy Xtra 53X82	62.6	•	•	10/03	1.7	1.0	42
Dyna-Gro 32RY55	62.3	55.4	•	10/05	2.0	1.0	35
Progeny 5412RY	60.9	•	•	09/30	2.3	1.3	38
AgVenture 55K5RR™	60.5	•	•	10/06	2.0	1.0	37
Armor X1313	58.2	•	•	09/28	2.7	1.0	37
AgVenture 54K4RR™	58.2	•	•	10/05	2.3	1.0	49
Pioneer 95Y50	58.2	•	•	10/01	2.0	1.0	42
AgVenture 50K5RR™	58.2	•	•	09/29	2.3	1.0	41
Delta Grow 5535RR2	57.9	•	•	10/03	2.0	1.0	40
Morsoy 5429	57.5	54.3	57.4	10/04	2.0	1.3	37
Armor 55-R22	57.4	53.6	•	10/06	2.0	1.3	44
Morsoy Xtra 54X41	57.3	53.4	•	10/07	1.5	1.0	38
Schillinger 557.RC	57.0	56.0	56.8	10/03	1.0	1.0	34
HBK RY5421	56.6	50.1	•	09/29	1.0	1.0	35
Armor X1316	56.4	•	•	10/02	1.7	1.0	41
ASGROW AG5533	56.4	•	•	09/30	2.7	1.3	39
Armor X1315	56.3	•	•	10/02	2.0	1.0	38
REV [®] 51R53™	56.2	54.9	•	09/28	2.0	1.3	43
R09-1607RR	56.1	•	•	09/30	1.7	1.3	40
Schillinger 5220.RC	56.0	55.2	•	09/30	2.0	1.7	45
R04-1268RR	55.9	54.4	•	09/27	3.3	1.0	39
Eagle Seed ES5507	55.7	54.6	53.6	10/06	1.5	1.0	40
S08-X7279	55.7	•	•	10/02	2.0	1.0	49
Eagle Seed ES5400	55.6	•	•	10/07	2.0	1.3	46
Armor 53-R15	55.2	55.8	57.4	09/29	2.0	1.0	40
USG 75Q42R	55.1	•	•	10/03	2.0	1.0	36
Morsoy Xtra 51X52	54.4	•	•	09/28	2.0	1.3	40
USG 75Q52R	54.3	•	•	10/01	2.3	1.0	40
Delta Grow 5175RR2	53.9	•	•	09/28	2.0	1.3	37
HBK RY5521	53.8	52.1	•	10/03	1.3	1.0	44
Delta Grow 5556RR1	53.6	•	•	10/05	2.0	1.0	44

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2012, Continued.

Variety/Experimental Line	2012	2-Year ³ Average	3-Year ⁴ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
Maturity Group V Early (RM 5.0 to 5.5) Continued							
S08-X6399	53.5	•	•	09/23	2.0	1.5	46
USG 75B21R	53.3	55.8	•	09/25	2.0	1.3	39
Armor 53-R88	52.7	56.2	•	09/27	1.3	1.0	38
REV [®] 53R23™	52.6	•	•	09/26	1.0	1.0	30
REV [®] 54R84™	52.6	•	•	10/03	2.0	1.0	29
Dyna-Gro 37RY52	52.3	52.4	54.4	09/29	1.7	1.0	37
USG 7553nRS	51.9	51.6	53.3	10/02	1.0	1.3	33
Armor X1312-5	51.8	•	•	09/30	2.0	1.7	43
AGS 554 RR	51.3	50.6	51.1	10/03	2.0	1.3	38
Dyna-Gro 35RY51	51.3	•	•	09/27	2.0	1.3	41
ASGROW AG5232	51.1	57.7	•	09/29	2.0	1.0	35
Armor X1314	50.9	•	•	10/04	1.3	1.3	37
REV [®] 52R74™	50.8	•	•	09/27	2.3	2.3	47
Willcross RR2544NS	50.3	54.7	55.7	10/01	1.0	1.0	34
REV [®] 55R53™	50.0	•	•	10/02	2.0	1.0	36
ASGROW AG5532	49.8	54.1	•	09/30	1.7	1.0	39
Progeny 5210RY	49.2	52.6	54.4	09/30	1.7	1.3	34
Progeny 5111RY	49.1	53.5	•	09/30	2.3	1.3	46
Eagle Seed ES5519	49.0	•	•	10/04	2.0	1.3	37
Willcross RR2507NS	49.0	50.6	55.0	09/25	2.5	1.0	42
Pioneer 95Y01	48.4	•	•	09/29	2.0	1.5	40
HBK RY5221	47.7	46.6	•	09/27	3.3	1.3	45
NK S51-H9 Brand	47.4	•	•	09/29	1.7	1.3	44
Pioneer 95Y10	47.0	•	•	09/27	2.0	1.0	41
Willcross RR2547N	43.8	43.0	47.2	10/04	2.0	1.0	50
Pioneer 95Y40	43.1	49.5	53.3	10/03	1.7	1.0	38
GRAND MEAN	55.1	•	•	10/01	2.0	1.2	40
LSD (5%)	9.7	•	•	3	0.6	0.5	•
C.V.	13.0	•	•	6	23.3	32.1	•

Table 21. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Lon Mann Cotton Research Center, Marianna, Ark., 2012, Continued.

Variety/Experimental Line	2012	2-Year ³ Average	3-Year ⁴ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
Maturity Group V Late (RM 5.6 to 5.9)							
Progeny 5811RY	59.4	51.6	•	10/04	1.0	1.0	35
Progeny 5610RY	57.9	51.7	54.2	10/05	2.3	1.0	38
Dyna-Gro 39RY57	57.5	•	•	10/04	1.7	1.7	36
ASGROW AG5633	56.9	•	•	10/01	1.7	1.0	39
USG 75J62R	56.3	•	•	10/07	2.0	1.0	51
Progeny 5655RY	56.2	52.3	•	10/03	2.3	1.0	39
REV [®] 56R63™	56.1	53.4	•	10/04	2.0	1.0	44
USG 75Z98	56.1	52.8	53.4	10/04	2.0	1.0	36
REV [®] 57R21™	55.7	53.2	54.2	10/04	2.0	1.0	27
AGS 568 RR	55.5	51.3	53.4	10/03	1.7	1.0	40
Eagle Seed ES5650	55.0	•	•	10/04	2.0	1.3	41
ASGROW AG5632	54.6	49.7	•	10/02	1.7	1.0	41
REV [®] 59R13™	52.8	•	•	10/06	1.3	1.0	40
AGS 597 RR	52.4	50.7	53.0	10/07	1.7	1.0	35
NK S56-G6 Brand	52.3	48.8	•	10/06	1.0	1.0	30
ASGROW AG5732	50.0	•	•	09/29	1.3	1.0	37
Progeny 5711RY	48.5	43.9	•	10/08	1.3	1.3	38
REV [®] 56R21™	47.4	46.2	49.8	10/03	1.3	1.3	37
Delta Grow 5625RR2	46.5	42.5	•	10/06	1.7	1.3	38
GRAND MEAN	54.1	•	•	10/04	1.7	1.1	38
LSD (5%)	8.0	•	•	3	0.7	0.4	•
C.V.	10.8	•	•	7	28.2	27.5	•

¹Average Yield for 2010 and 2012.²Average Yield for 2008, 2010, 2012.³Average Yield for 2011 and 2012.⁴Average Yield for 2010, 2011, 2012.

Soil Series	Calloway silt loam
Soil pH	7.4
Previous Crop	Soybean
Row Width	30 inches
Fertilizer Applied	100 lb/A P + 100 lb/A K, 3/29
Planting Date	5/14
Herbicide Applications	Gramoxone + Valor, 5/16; Dual Magnum + Ultra Blazer + Roundup, 6/5; Dual Magnum + Ultra Blazer + Select, 6/27
Insecticide Applications	Orthene + Brigade, 8/10; Belt + Brigade, 9/3
Irrigation Dates	6/20, 6/28, 7/5, 7/15, 7/26, 8/6, 8/20
Harvest Dates	MG 4E, 10/10; MG 4L, 10/17; MG 5E, 10/24; MG 5L, 10/24

Precipitation (inches)

	April	May	June	July	August	September	Total
2012	1.1	1.5	0.8	2.6	1.2	4.9	12.0
Average	5.0	5.1	3.9	3.8	2.6	2.5	23.0
Departure	-3.9	-3.6	-3.1	-1.2	-1.4	2.3	-11.0

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2012.

Variety/Experimental Line	2012	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)							
Dyna-Gro 39RY43	82.6	77.2	•	9/12	1.7	1.0	32
Armor 46-R64	81.1	•	•	9/15	1.7	1.0	43
HBK RY4620	80.3	71.6	68.4	9/16	2.0	1.0	38
Morsoy Xtra 44X82	79.9	•	•	9/11	1.0	1.0	36
ASGROW AG4632	79.8	•	•	9/17	2.0	1.0	38
Progeny 4211RY	79.8	76.2	•	9/11	1.3	1.0	32
AGS 45R212	79.1	•	•	9/14	2.0	1.0	40
Delta Grow 4670RR2	78.9	72.9	•	9/15	1.7	1.0	37
Armor X1303	78.8	•	•	9/08	1.3	1.0	32
ASGROW AG4232	78.1	71.8	•	9/11	2.0	1.0	35
LG C4625R2	77.9	•	•	9/15	1.7	1.0	39
Progeny 4510RY	77.9	73.8	70.3	9/16	2.0	1.0	37
Progeny 4611RY	77.9	72.5	•	9/15	2.3	1.0	35
ASGROW AG4531	77.8	69.8	67.5	9/13	1.7	1.0	37
Schillinger 457.RCP	77.8	71.5	62.6	9/13	3.0	1.0	44
ASGROW AG4433	77.8	•	•	9/11	1.7	1.0	35
REV®46R73™	77.1	72.0	•	9/11	2.0	1.0	36
Pioneer 94Y23	77.1	•	•	9/09	1.0	1.0	35
Armor 46-R42	77.1	73.7	•	9/09	1.0	1.0	35
ASGROW AG4533	77.0	•	•	9/11	2.0	1.0	37
Pioneer 94Y40	76.8	75.7	69.9	9/11	2.0	1.0	35
ASGROW AG4633	76.7	•	•	9/09	1.0	1.0	32
Morsoy Xtra 46X29	76.7	71.9	67.6	9/16	2.0	1.0	42
Willcross RY2460S	76.7	73.0	67.8	9/15	1.7	1.0	38
NK S46-T3 Brand	76.6	•	•	9/13	3.0	1.0	38
Armor 44-R08	76.4	•	•	9/10	1.7	1.0	38
Dyna-Gro S44RS93	76.1	•	•	9/09	1.0	1.0	35
AGS 43R212	75.9	•	•	9/10	1.0	1.0	35
NK S44-D5 Brand	75.7	•	•	9/13	2.0	1.0	39
Dyna-Gro 31RY45	75.5	70.2	•	9/14	2.0	1.0	38
NK S41-J6 Brand	75.2	•	•	9/11	2.3	1.0	38
Morsoy Xtra 46X71	73.8	70.0	•	9/15	1.7	1.0	39
Delta Grow 4575RR2	73.8	•	•	9/10	2.0	1.0	40
S08-X14117	71.3	•	•	9/13	2.0	1.0	36
AvDX - D613	70.9	•	•	9/13	3.0	1.0	40
AgBorn S08-X0448	69.9	•	•	9/13	3.0	1.0	34
NK S46-A1 Brand	67.8	66.3	•	9/15	2.3	1.0	42
GRAND MEAN	76.7	•	•	9/12	1.9	1.0	37
LSD (5%)	3.9	•	•	2	0.5	•	•
C.V.	3.7	•	•	11	21.3	•	•

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2012, Continued.

Variety/Experimental Line	2012	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)							
Armor 49-R56	84.5	•	•	9/16	1.0	1.0	36
Progeny 4900RY	83.5	•	•	9/20	1.0	1.0	38
Morsoy Xtra 48X02	81.3	•	•	9/12	1.7	1.0	39
Delta Grow 4755RR2	80.1	•	•	9/11	1.7	1.0	41
REV [®] 49R11™	79.7	75.1	69.5	9/15	1.0	1.0	38
Delta Grow 4975RR	79.5	68.4	64.3	9/22	3.0	1.0	46
Davis 4147RR2	79.2	71.3	68.8	9/10	1.7	1.0	39
Morsoy Xtra 48X00	79.1	71.6	68.3	9/11	1.3	1.0	39
Delta Grow 4765RR2/STS	79.1	•	•	9/14	1.0	1.0	43
Davis 4148RR2Y	79.0	•	•	9/21	1.3	1.0	37
Armor X1306	78.3	•	•	9/10	1.3	1.0	42
Armor DK 4744	78.3	68.3	65.7	9/10	1.7	1.0	38
Delta Grow 4825 RR2/STS	78.3	•	•	9/22	1.7	1.0	36
Dyna-Gro S47RY13	78.2	•	•	9/13	1.7	1.0	42
Progeny 4747RY	78.1	•	•	9/10	2.0	1.0	41
Armor X1308	77.9	•	•	9/17	2.3	1.0	41
Schillinger 495.RC	77.6	66.8	64.8	9/22	2.7	1.0	45
NK S49-F8 Brand	77.5	•	•	9/10	1.0	1.0	40
REV [®] 49R43™	77.4	69.4	•	9/15	3.0	1.0	40
Willcross RR2477N	77.3	71.0	68.4	9/10	1.0	1.0	36
REV [®] 48R10™	77.1	69.1	65.3	9/07	1.7	1.0	42
ASGROW AG4832	76.9	•	•	9/10	2.0	1.0	48
Armor 48-R40	76.6	70.4	•	9/10	2.0	1.0	39
REV [®] 49R22™	76.6	68.3	64.3	9/17	1.3	1.0	47
Progeny 4850RY	76.6	•	•	9/11	1.0	1.0	40
Pioneer 94Y70	76.5	71.8	69.1	9/10	1.7	1.0	43
Eagle Seed ES4777	76.5	67.8	64.5	9/18	1.3	1.0	39
Armor X1312	76.5	•	•	9/19	1.7	1.0	40
USG 74B81R	76.4	67.0	•	9/11	2.0	1.0	47
Progeny 4920RY	76.3	•	•	9/22	1.7	1.0	40
AvDX - D812	76.3	•	•	9/05	2.3	1.0	42
Delta Grow 4715RR2	76.1	•	•	9/07	2.3	1.0	42
Delta Grow 4815RR2	76.0	•	•	9/13	1.7	1.0	41
NK S48-P4 Brand	75.9	•	•	9/11	1.7	1.0	41
Delta Grow 4870RR2	75.8	•	•	9/17	2.0	1.0	40
Delta Grow 4980RR2	75.8	•	•	9/19	2.3	1.0	45
USG 74H92R	75.8	•	•	9/21	2.0	1.0	38
Armor X1311	75.7	•	•	9/22	2.3	1.0	47
AgBorn S08-X27041	75.6	•	•	9/15	2.0	1.0	47
Schillinger 478.RCS	75.5	73.1	65.7	9/21	1.7	1.0	43
ASGROW AG4932	75.4	63.8	•	9/20	1.7	1.0	45
REV [®] 48R33™	74.9	70.8	•	9/10	2.0	1.0	40
AGS 47R212	74.8	•	•	9/07	2.3	1.0	43

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2012, Continued.

Variety/Experimental Line	2012	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							
ASGROW AG4933	74.7	•	•	9/14	1.0	1.0	39
JGL EXP 481	74.4	•	•	9/11	2.3	1.0	44
USG 74A91	74.3	64.0	61.8	9/21	2.7	1.0	42
REV [®] 48R22™	74.2	70.0	66.2	9/07	2.0	1.0	42
Eagle Seed ES4998	74.1	61.2	60.2	9/05	2.7	1.0	43
Delta Grow 4925RR2	74.0	•	•	9/18	1.7	1.0	43
Morsoy Xtra 47X12	74.0	•	•	9/07	1.0	1.0	42
REV [®] 49R54™	74.0	•	•	9/14	2.0	1.0	44
Willcross RY2482N	73.9	•	•	9/08	1.3	1.0	48
HBK R4924	73.8	66.8	63.5	9/23	2.0	1.0	49
JGL EXP 480	73.7	•	•	9/13	3.0	1.0	41
Armor X1307	73.7	•	•	9/10	1.0	1.0	40
Armor 48-R91	73.6	•	•	9/07	2.3	1.0	46
Delta Grow 4880RR	73.4	64.1	63.5	9/17	2.7	1.0	40
Progeny 4814RY	73.3	•	•	9/12	1.7	1.0	41
AgBorn S08-X78041	73.3	•	•	9/22	2.0	1.0	47
REV [®] 47R53™	73.1	68.8	•	9/10	2.7	1.0	40
REV [®] 47R74™	73.0	•	•	9/10	2.0	1.0	40
S08-X2499	72.9	•	•	9/14	1.7	1.0	48
Dyna-Gro 39D48	72.7	63.8	•	9/10	3.0	1.0	38
REV [®] 49R10™	72.6	66.1	62.9	9/17	3.0	1.0	50
Progeny 4710RY	72.5	63.7	•	9/07	1.7	1.0	36
Dyna-Gro 33RY47	72.4	62.5	•	9/05	2.7	1.0	43
Delta Grow 4970RR	71.8	63.3	60.4	9/13	2.7	1.0	41
Willcross RR2878NS	71.8	68.8	63.3	9/13	2.0	1.0	44
HBK RY4721	70.5	61.6	•	9/05	2.3	1.0	41
Morsoy Xtra 47X31	70.1	62.6	•	9/08	2.3	1.0	46
Delta Grow 4875RR2/STS	70.0	•	•	9/10	2.0	1.0	47
Armor X1309	69.9	•	•	9/17	2.0	1.0	45
Eagle Seed ES4818	69.0	60.6	59.6	9/20	2.0	1.0	50
USG 74E88	68.8	66.1	63.0	9/13	2.0	1.0	43
GRAND MEAN	75.5	•	•	9/13	1.9	1.0	42
LSD (5%)	4.0	•	•	6	0.6	•	•
C.V.	4.0	•	•	32	24.2	•	•

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
REV®52R74™	85.2	•	•	9/23	1.7	1.0	44
REV®53R23™	81.3	•	•	9/22	1.3	1.0	34
Pioneer 95Y50	81.3	•	•	9/23	2.0	1.0	44
Armor X1312-5	80.9	•	•	9/20	2.0	1.0	46
Delta Grow 5535RR2	80.3	•	•	9/24	2.3	1.0	40
REV®51R53™	80.1	72.7	•	9/22	2.7	1.0	44
ASGROW AG5332	79.5	•	•	9/23	2.7	1.0	45
USG 75Q42R	79.4	•	•	9/24	2.7	1.0	36
AgBorn S06-X9464	79.3	•	•	9/20	3.0	1.0	45
Pioneer 95Y40	79.1	71.8	65.1	9/22	1.7	1.0	41
AgVenture 54K4RR™	79.0	•	•	9/27	2.3	1.0	52
Willcross RR2547N	78.8	70.3	68.2	9/27	2.7	1.0	53
Delta Grow 5475RR2	78.7	•	•	9/23	2.0	1.0	41
REV®55R83™	78.5	•	•	9/25	1.7	1.0	36
ASGROW AG5233	78.4	•	•	9/20	3.0	1.0	42
Pioneer 95Y01	78.1	•	•	9/22	3.3	1.0	41
AgVenture 50K5RR™	78.1	•	•	9/21	2.7	1.0	42
Dyna-Gro 32RY55	77.7	68.5	•	9/25	2.0	1.0	41
Schillinger 5220.RC	77.5	66.6	•	9/23	2.7	1.0	44
Progeny 5388RY	77.3	•	•	9/26	2.0	1.0	58
USG 75Q52R	77.1	•	•	9/24	2.7	1.0	41
ASGROW AG5532	76.9	68.3	•	9/22	2.0	1.0	42
Dyna-Gro 35RY51	76.7	•	•	9/21	1.3	1.0	45
Progeny 5412RY	76.4	•	•	9/25	2.0	1.0	40
Morsoy Xtra 54X41	76.4	67.5	•	9/26	1.3	1.0	38
S08-X7279	76.4	•	•	9/23	2.0	1.0	39
HBK RY5221	76.3	70.9	•	9/18	3.0	1.0	58
REV®55R53™	75.9	•	•	9/25	1.7	1.0	34
Morsoy Xtra 53X82	75.7	•	•	9/23	2.0	1.0	43
NK S51-H9 Brand	75.6	•	•	9/21	1.0	1.0	37
ASGROW AG5533	75.4	•	•	9/22	2.3	1.0	32
Armor X1314	75.4	•	•	9/22	2.3	1.0	41
Armor 55-R22	75.4	68.0	•	9/25	1.7	1.0	40
Croplan R2C5482	74.8	•	•	9/23	2.3	1.0	39
Delta Grow 5556RR1	74.8	•	•	9/26	2.3	1.0	33
Armor X1316	74.8	•	•	9/21	1.0	1.0	38

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2012, Continued.

Variety/Experimental Line	2012	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							
HBK RY5421	74.5	65.2	•	9/24	1.3	1.0	36
Pioneer 95Y10	74.3	•	•	9/20	2.0	1.0	48
HBK RY5521	74.2	66.7	•	9/26	1.7	1.0	44
USG 75B21R	74.2	69.4	•	9/22	1.0	1.0	35
AgVenture 55K5RR™	74.1	•	•	9/27	2.0	1.0	44
Delta Grow 5175RR2	74.0	•	•	9/24	1.3	1.0	34
Armor X1315	73.8	•	•	9/24	2.3	1.0	46
Eagle Seed ES5400	73.7	•	•	9/24	2.0	1.0	55
Willcross RR2507NS	73.7	64.2	60.7	9/23	3.0	1.0	49
R09-1607RR	73.6	•	•	9/24	1.3	1.0	36
REV®54R84™	73.5	•	•	9/21	2.0	1.0	36
Progeny 5111RY	73.3	68.1	•	9/21	2.3	1.0	48
Willcross RR2544NS	73.1	68.6	61.8	9/24	1.0	1.0	30
S08-X6399	73.0	•	•	9/20	2.7	1.0	51
Morsoy 5429	72.9	70.4	66.6	9/26	1.7	1.0	43
Armor X1313	72.1	•	•	9/23	1.3	1.0	42
Eagle Seed ES5519	71.9	•	•	9/28	1.3	1.0	39
AGS 554 RR	70.9	63.1	61.0	9/27	1.7	1.0	37
USG 7553nRS	70.3	66.6	61.9	9/26	1.0	1.0	39
Dyna-Gro S54RY43	70.1	•	•	9/24	1.7	1.0	43
ASGROW AG5232	69.5	62.9	•	9/20	2.7	1.0	30
Morsoy Xtra 51X52	69.4	•	•	9/23	1.7	1.0	46
Armor 53-R88	68.6	61.8	•	9/21	1.3	1.0	26
Dyna-Gro 37RY52	68.3	58.7	59.3	9/22	3.0	1.0	37
Eagle Seed ES5507	68.2	59.2	55.9	9/28	2.0	1.0	31
Progeny 5210RY	67.6	57.9	58.3	9/20	3.3	1.0	39
Schillinger 557.RC	67.3	60.5	57.7	9/27	1.0	1.0	38
R04-1268RR	66.0	57.4	•	9/20	2.3	1.0	38
Armor 53-R15	63.9	57.9	57.5	9/20	3.0	1.0	39
GRAND MEAN	75.0	•	•	9/23	2.0	1.0	41
LSD (5%)	4.9	•	•	2	0.6	•	•
C.V.	4.9	•	•	7	22.3	•	•

Table 22. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rice Research and Extension Center, Stuttgart, Ark., 2012, Continued.

Variety/Experimental Line	2012	2-Year ¹ Average	3-Year ² Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
Maturity Group V Late (RM 5.6 to 5.9)							
Delta Grow 5625RR2	80.6	72.1	•	9/27	2.3	1.0	37
REV [®] 57R21™	79.9	77.1	69.6	9/26	2.3	1.0	34
Progeny 5655RY	79.5	71.5	•	9/26	1.7	1.0	41
USG 75J62R	79.4	•	•	9/28	2.0	1.0	62
Progeny 5811RY	78.3	66.7	•	9/28	2.0	1.0	40
REV [®] 56R21™	77.3	71.8	66.5	9/27	2.0	1.0	35
Dyna-Gro 39RY57	76.6	•	•	9/27	1.7	1.0	37
REV [®] 56R63™	75.9	69.2	•	9/27	2.3	1.0	45
AGS 597 RR	75.8	65.1	61.6	9/28	2.3	1.0	36
REV [®] 59R13™	75.3	•	•	9/28	1.7	1.0	42
USG 75Z98	75.0	65.5	62.5	9/28	2.7	1.0	37
Progeny 5610RY	74.6	68.3	63.7	9/27	1.7	1.0	38
NK S56-G6 Brand	74.1	63.0	•	9/28	1.3	1.0	34
Progeny 5711RY	73.1	67.4	•	9/28	1.7	1.0	37
ASGROW AG5633	73.1	•	•	9/26	1.3	1.0	32
Eagle Seed ES5650	73.0	•	•	9/27	1.0	1.0	41
AGS 568 RR	71.9	64.0	60.2	9/28	1.3	1.0	39
ASGROW AG5732	71.7	•	•	9/26	1.3	1.0	33
ASGROW AG5632	69.0	65.6	•	9/27	1.0	1.0	38
GRAND MEAN	75.5	•	•	9/27	1.8	1.0	39
LSD (5%)	5.6	•	•	1	0.7	•	•
C.V.	5.3	•	•	2	28.4	•	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, 2012.

Soil Series	Crowley silt loam
Soil pH	6.6
Previous Crop	Rice
Row Width	30 inches
Fertilizer Applied	80 lb/A P + 120 lb/A K, 4/24
Planting Date	5/10
Herbicide Applications	Dual Magnum + Roundup, 5/11; Storm, 6/8; Select, 6/11; Flexstar, 7/3; FirstRate, 7/20; Select, 8/9
Insecticide Applications	Python, 7/20; Intrepid + Acephate, 8/9
Irrigation Dates	6/28, 7/25, 8/2
Harvest Dates	MG 4E, 10/3; MG 4L, 10/3; MG 5E, 10/17; MG 5L, 10/17

	Precipitation (inches)						
	April	May	June	July	August	September	Total
2012	2.1	1.6	3.2	3.8	6.0	4.9	21.6
Average	6.0	6.2	3.6	3.1	3.1	3.0	25.0
Departure	-3.9	-4.6	-0.4	0.7	2.9	1.9	-3.4

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012.

Variety/Experimental Line	2012	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>							
HBK RY4620	62.8	58.6	56.6	9/27	1.5	1.0	40
Pioneer 94Y40	58.3	58.8	55.8	9/17	1.0	1.0	34
Dyna-Gro S44RS93	56.9	•	•	9/22	1.3	1.0	32
Progeny 4611RY	56.5	57.0	•	9/27	1.7	1.0	39
Armor 46-R42	56.5	55.4	•	9/17	1.0	1.0	35
Morsoy Xtra 44X82	56.2	•	•	9/18	1.0	1.0	39
ASGROW AG4433	56.1	•	•	9/21	1.3	1.0	44
LG C4625R2	56.0	•	•	9/24	1.5	1.0	40
Willcross RY2460S	55.9	53.1	51.8	9/28	1.5	1.0	38
NK S44-D5 Brand	55.8	•	•	9/24	1.3	1.0	40
Schillinger 457.RCP	55.7	54.3	53.3	9/18	2.3	1.0	33
REV®46R73™	55.5	56.3	•	9/18	2.7	1.0	34
AGS 43R212	55.3	•	•	9/16	1.3	1.0	35
Delta Grow 4575RR2	54.9	•	•	9/22	1.7	1.0	34
ASGROW AG4632	54.6	•	•	9/26	1.7	1.0	41
NK S46-T3 Brand	54.1	•	•	9/24	1.7	1.0	37
Delta Grow 4670RR2	53.4	55.3	•	9/25	1.7	1.0	42
ASGROW AG4533	53.3	•	•	9/22	1.7	1.0	42
Armor 46-R64	53.0	•	•	9/25	1.0	1.0	39
ASGROW AG4531	53.0	52.4	50.9	9/25	1.7	1.0	42
AGS 45R212	52.6	•	•	9/24	2.0	1.0	42
Progeny 4510RY	52.5	52.0	50.8	9/25	1.7	1.0	40
Dyna-Gro 39RY43	52.4	56.5	•	9/18	1.7	1.0	40
Dyna-Gro 31RY45	52.1	53.9	•	9/25	1.3	1.0	42
Pioneer 94Y23	51.9	•	•	9/16	1.5	1.0	29
ASGROW AG4633	51.7	•	•	9/17	1.0	1.0	32
NK S41-J6 Brand	51.6	•	•	9/18	1.5	1.0	37
AgBorn S08-X0448	51.4	•	•	9/15	2.0	1.0	42
Morsoy Xtra 46X71	51.2	52.5	•	9/27	1.5	1.0	35
AvDX - D613	50.9	•	•	9/25	1.3	1.0	38
Morsoy Xtra 46X29	50.8	54.0	51.8	9/25	1.0	1.0	39
Armor 44-R08	50.8	•	•	9/17	1.7	1.0	32
S08-X14117	50.7	•	•	9/16	1.7	1.0	39
NK S46-A1 Brand	50.5	48.6	•	9/24	1.7	1.0	42
Progeny 4211RY	50.0	53.0	•	9/18	1.7	1.0	33
Armor X1303	49.3	•	•	9/14	2.0	1.0	36
ASGROW AG4232	45.9	51.2	•	9/15	1.0	1.0	37
GRAND MEAN	53.5	•	•	9/21	1.5	1.0	38
LSD (5%)	7.4	•	•	2	0.7	•	•
C.V.	10.1	•	•	8	35.6	•	•

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
Progeny 4900RY	60.2	•	•	10/02	1.0	1.0	35
Armor 49-R56	57.2	•	•	10/02	1.0	1.0	36
Schillinger 495.RC	54.5	54.0	55.6	10/02	1.0	1.0	39
Armor X1306	54.4	•	•	09/27	1.7	1.0	41
NK S49-F8 Brand	54.1	•	•	10/03	1.3	1.0	33
Dyna-Gro 39D48	53.1	55.1	•	09/25	2.0	1.0	39
Eagle Seed ES4777	51.9	50.6	52.5	10/03	1.0	1.0	35
Delta Grow 4765RR2/STS	51.6	•	•	10/02	1.3	1.0	39
Morsoy Xtra 48X02	51.5	•	•	09/29	1.0	1.0	37
Pioneer 94Y70	51.1	52.5	53.7	09/23	1.7	1.0	39
Delta Grow 4970RR	51.0	53.9	54.2	09/28	1.7	1.0	38
REV [®] 49R10™	50.9	49.9	50.2	09/27	3.0	1.0	38
Delta Grow 4715RR2	50.8	•	•	09/27	1.0	1.0	38
REV [®] 49R43™	50.8	53.4	•	09/24	1.5	1.0	34
Morsoy Xtra 47X12	50.6	•	•	10/02	1.0	1.0	38
Progeny 4747RY	50.5	•	•	09/28	1.0	1.0	39
NK S48-P4 Brand	50.0	•	•	09/29	1.3	1.0	38
Morsoy Xtra 48X00	49.9	52.9	52.6	09/29	1.0	1.0	35
Delta Grow 4875RR2/STS	49.9	•	•	09/29	1.0	1.0	38
Delta Grow 4755RR2	49.9	•	•	09/28	1.3	1.0	39
Eagle Seed ES4818	49.8	49.6	49.5	10/02	1.0	1.0	37
Armor X1312	49.5	•	•	10/03	1.0	1.0	32
Delta Grow 4880RR	49.5	53.1	56.1	10/02	1.0	1.0	35
USG 74E88	49.4	49.7	50.4	09/27	1.0	1.0	37
REV [®] 48R22™	49.3	48.8	53.3	09/26	1.0	1.0	36
ASGROW AG4832	49.2	•	•	10/01	1.0	1.0	43
REV [®] 47R74™	48.9	•	•	09/24	1.3	1.0	34
ASGROW AG4933	48.7	•	•	09/30	2.0	1.0	37
Armor 48-R91	48.7	•	•	09/29	1.0	1.0	36
HBK RY4721	48.3	50.0	•	09/30	1.0	1.0	39
Armor DK 4744	48.1	51.2	51.6	09/28	1.0	1.0	36
Progeny 4850RY	48.1	•	•	10/03	1.0	1.0	41
ASGROW AG4932	47.8	48.5	•	10/02	1.3	1.0	38
Morsoy Xtra 47X31	47.7	50.9	•	09/30	1.0	1.0	38
Delta Grow 4980RR2	47.7	•	•	09/27	1.0	1.0	33
HBK R4924	47.3	48.0	50.1	10/03	1.0	1.0	38
Armor 48-R40	47.0	50.6	•	09/27	1.3	1.0	37
Eagle Seed ES4998	46.9	53.9	55.3	09/27	1.5	1.0	39
Delta Grow 4925RR2	46.6	•	•	10/01	1.0	1.0	38
Willcross RR2878NS	46.5	49.7	49.6	09/25	1.0	1.0	37
AvDX - D812	46.4	•	•	09/22	2.0	1.0	35
REV [®] 47R53™	46.3	49.3	•	09/25	2.0	1.0	35
Progeny 4710RY	46.2	49.3	•	09/29	1.0	1.0	34

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Variety/Experimental Line	2012	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) Continued</u>							
Delta Grow 4975RR	46.1	50.7	52.2	10/03	1.0	1.0	41
USG 74B81R	45.6	49.7	•	09/29	1.3	1.0	41
Delta Grow 4825 RR2/STS	45.5	•	•	10/02	1.0	1.0	36
Dyna-Gro S47RY13	45.4	•	•	09/29	1.0	1.0	38
USG 74A91	45.3	46.3	47.9	10/02	1.0	1.0	36
JGL EXP 481	45.3	•	•	09/27	1.0	1.0	36
Armor X1308	44.9	•	•	09/26	1.0	1.0	36
AgBorn S08-X27041	44.4	•	•	09/25	1.0	1.0	38
Willcross RY2482N	44.2	•	•	10/01	1.0	1.0	37
JGL EXP 480	43.9	•	•	09/28	1.5	1.0	35
REV [®] 49R54™	43.8	•	•	09/26	1.0	1.0	41
REV [®] 49R22™	43.6	45.1	45.9	09/30	1.0	1.0	35
Armor X1309	43.6	•	•	09/27	1.3	1.0	38
REV [®] 49R11™	43.5	47.5	50.7	09/22	1.0	1.0	32
REV [®] 48R33™	43.5	50.1	•	09/24	1.0	1.0	35
Delta Grow 4870RR2	43.3	•	•	09/27	1.0	1.0	35
Armor X1307	43.2	•	•	10/02	1.0	1.0	40
Schillinger 478.RCS	42.7	46.0	47.9	10/02	1.0	1.0	35
Armor X1311	42.7	•	•	09/29	1.0	1.0	34
Davis 4147RR2	41.3	44.3	47.7	10/01	1.0	1.0	36
Dyna-Gro 33RY47	41.3	48.4	•	09/30	1.0	1.0	40
REV [®] 48R10™	41.1	42.9	45.8	10/01	1.0	1.0	34
Delta Grow 4815RR2	40.9	•	•	09/30	1.0	1.0	31
Davis 4148RR2Y	40.4	•	•	09/30	1.0	1.0	37
AGS 47R212	39.8	•	•	09/30	1.0	1.0	33
Willcross RR2477N	39.6	43.4	45.0	10/01	1.0	1.0	32
S08-X2499	37.0	•	•	10/02	1.0	1.0	38
Progeny 4814RY	36.7	•	•	09/30	1.0	1.0	36
AgBorn S08-X78041	35.6	•	•	09/27	1.0	1.0	39
USG 74H92R	34.3	•	•	09/30	1.0	1.0	27
Progeny 4920RY	32.0	•	•	09/30	1.0	1.0	32
GRAND MEAN	46.6	•	•	09/29	1.2	1.0	37
LSD (5%)	5.9	•	•	2	0.5	•	•
C.V.	9.4	•	•	5	28.8	•	•

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Variety/Experimental Line	2012	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>							
REV®54R84™	63.3	•	•	10/05	1.0	1.0	29
REV®55R53™	60.7	•	•	10/08	1.0	1.0	32
ASGROW AG5533	58.8	•	•	10/08	1.5	1.0	36
Dyna-Gro 32RY55	57.9	53.2	•	10/07	1.5	1.0	34
Morsoy 5429	56.3	53.4	55.3	10/10	1.0	1.0	33
AgBorn S06-X9464	55.4	•	•	10/07	1.5	1.0	34
NK S51-H9 Brand	55.4	•	•	10/01	1.0	1.0	32
Armor 55-R22	55.1	51.9	•	10/11	1.0	1.0	31
ASGROW AG5233	54.8	•	•	10/01	1.0	1.0	33
AgVenture 54K4RR™	54.5	•	•	10/10	1.0	1.0	37
USG 7553nRS	54.0	49.7	49.1	10/08	1.0	1.0	28
AGS 554 RR	53.9	51.6	54.5	10/10	1.0	1.0	32
Progeny 5388RY	53.9	•	•	10/08	1.0	1.0	39
USG 75B21R	53.8	54.3	•	10/01	1.0	1.0	33
ASGROW AG5332	53.4	•	•	10/06	1.0	1.0	38
AgVenture 55K5RR™	53.4	•	•	10/09	1.5	1.0	35
Dyna-Gro 35RY51	53.4	•	•	10/01	1.0	1.0	31
Armor X1314	53.1	•	•	10/08	1.0	1.0	33
REV®52R74™	52.4	•	•	10/05	1.0	1.0	31
Armor X1316	52.3	•	•	10/08	1.0	1.0	33
Morsoy Xtra 54X41	52.1	51.9	•	10/07	1.0	1.0	29
REV®53R23™	52.1	•	•	10/04	1.0	1.0	26
Delta Grow 5175RR2	51.9	•	•	10/05	1.0	1.0	34
HBK RY5221	51.5	49.5	•	10/08	1.0	1.0	36
Armor X1315	51.3	•	•	10/08	1.0	1.0	30
S08-X7279	50.8	•	•	10/08	1.0	1.0	36
ASGROW AG5532	50.8	49.0	•	10/07	1.0	1.0	35
Pioneer 95Y50	50.5	•	•	10/07	1.0	1.0	34
Progeny 5210RY	50.5	49.3	49.5	10/05	1.0	1.0	32
Morsoy Xtra 53X82	50.4	•	•	10/05	1.0	1.0	32
HBK RY5521	50.2	45.5	•	10/07	1.0	1.0	34
Croplan R2C5482	50.0	•	•	10/05	1.0	1.0	27
REV®55R83™	49.9	•	•	10/11	1.0	1.0	27
Eagle Seed ES5400	49.9	•	•	10/10	1.0	1.0	35
R09-1607RR	49.6	•	•	10/05	1.0	1.0	31
Pioneer 95Y40	49.5	50.0	52.2	10/07	1.0	1.0	31

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Variety/Experimental Line	2012	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	49.1	47.5	48.6	10/07	1.0	1.0	32
Progeny 5412RY	48.1	•	•	10/05	1.0	1.0	31
Willcross RR2544NS	47.9	49.0	49.7	10/04	1.0	1.0	25
Dyna-Gro S54RY43	47.9	•	•	10/07	1.0	1.0	31
Delta Grow 5475RR2	47.7	•	•	10/05	1.5	1.0	34
Willcross RR2547N	47.5	46.2	48.0	10/11	1.0	1.0	36
Schillinger 5220.RC	47.1	49.3	•	10/08	1.0	1.0	36
Aarmor 53-R15	46.5	46.7	47.3	10/07	1.0	1.0	31
Aarmor X1312-5	46.5	•	•	10/05	1.0	1.0	36
ASGROW AG5232	46.4	49.7	•	10/04	1.0	1.0	30
USG 75Q52R	46.2	•	•	10/08	1.5	1.0	32
USG 75Q42R	46.0	•	•	10/08	2.0	1.0	32
Pioneer 95Y01	45.8	•	•	10/05	1.0	1.0	35
Eagle Seed ES5507	45.7	44.4	45.6	10/12	1.5	1.0	32
Aarmor X1313	45.6	•	•	10/05	1.0	1.0	31
HBK RY5421	45.5	47.1	•	10/08	1.0	1.0	24
Morsoy Xtra 51X52	45.4	•	•	10/05	1.0	1.0	35
Willcross RR2507NS	44.8	45.7	47.4	10/05	1.0	1.0	35
Delta Grow 5556RR1	44.1	•	•	10/12	1.0	1.0	35
AgVenture 50K5RR™	43.8	•	•	10/08	1.0	1.0	33
Eagle Seed ES5519	43.8	•	•	10/12	1.5	1.0	31
S08-X6399	43.7	•	•	09/30	1.0	1.0	35
REV®51R53™	43.5	42.9	•	10/05	1.0	1.0	36
Pioneer 95Y10	43.4	•	•	09/30	1.0	1.0	33
Aarmor 53-R88	43.4	44.2	•	10/07	1.0	1.0	30
Schillinger 557.RC	43.2	43.4	46.0	10/09	1.0	1.0	31
R04-1268RR	42.4	41.6	•	10/08	1.0	1.0	27
Delta Grow 5535RR2	41.7	•	•	10/07	1.0	1.0	29
Progeny 5111RY	41.3	45.4	•	10/07	1.0	1.0	42
GRAND MEAN	49.7	•	•	10/07	1.1	1.0	33
LSD (5%)	5.4	•	•	2	0.4	•	•
C.V.	6.6	•	•	3	23.2	•	•

Table 23. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Rohwer Research Station, Rohwer, Ark., 2012, Continued.

Variety/Experimental Line	2012	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	60.2	55.8	55.1	10/09	1.0	1.0	31
USG 75J62R	59.3	•	•	10/11	2.0	1.0	48
REV [®] 56R63™	58.9	54.3	•	10/11	1.0	1.0	30
Progeny 5711RY	58.9	50.8	•	10/09	1.0	1.0	30
Eagle Seed ES5650	58.6	•	•	10/09	1.0	1.0	32
ASGROW AG5633	58.2	•	•	10/06	1.0	1.0	31
REV [®] 57R21™	57.9	54.5	55.6	10/09	1.3	1.0	32
Delta Grow 5625RR2	57.2	53.6	•	10/09	1.0	1.0	27
REV [®] 56R21™	56.8	56.3	56.7	10/08	1.0	1.0	29
Dyna-Gro 39RY57	55.8	•	•	10/09	1.0	1.0	30
USG 75Z98	55.6	52.1	53.6	10/15	1.0	1.0	30
AGS 597 RR	54.3	49.4	49.7	10/15	1.0	1.0	32
Progeny 5811RY	53.6	48.7	•	10/09	1.0	1.0	33
REV [®] 59R13™	53.6	•	•	10/11	1.0	1.0	35
ASGROW AG5732	53.4	•	•	10/03	1.0	1.0	28
NK S56-G6 Brand	52.4	49.2	•	10/13	1.0	1.0	31
AGS 568 RR	52.1	50.4	51.2	10/09	1.0	1.0	28
Progeny 5655RY	51.7	50.5	•	10/06	1.5	1.0	29
ASGROW AG5632	50.6	50.2	•	10/09	1.0	1.0	35
GRAND MEAN	55.8	•	•	10/09	1.1	1.0	32
LSD (5%)	3.8	•	•	2	0.3	•	•
C.V.	4.9	•	•	3	17.9	•	•

¹Average Yield for 2011 and 2012.²Average Yield for 2010, 2011, 2012.

Soil Series	Sharkey clay
Previous Crop	Soybean
Row Width	19 inches
Planting Date	5/30
Fertilizer Applied	N/A
Herbicide Applications	Roundup PowerMax + Valor, 5/9; Dual Magnum + Roundup PowerMax, 6/8; Roundup PowerMax + Flexstar, 7/23
Insecticide Applications	Belt, 7/23; Belt; 8/20; Orthene, 9/6
Irrigation Dates	6/28, 7/9, 7/23, 8/3, 8/23
Harvest Dates	MG 4E, 10/13; MG 4L, 10/13; MG 5E, 10/24; MG 5L, 10/24

	Precipitation (inches)					
	April	May	June	July	August	Total
2012	3.0	0.7	4.2	2.6	7.1	17.5
Average	4.6	5.1	3.5	3.3	2.5	19.0
Departure	-1.6	-4.4	0.7	-0.7	4.6	-1.5

Table 24. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2012¹.

Variety/Experimental Line	2012	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>							
Pioneer 95Y50	45.3	•	•	10/05	1.0	1.0	40
ASGROW AG5332	44.4	•	•	10/12	1.0	1.0	46
AgBorn S06-X9464	43.6	•	•	10/08	1.0	1.0	46
Progeny 5210RY	43.4	42.8	43.5	10/04	1.3	1.0	42
ASGROW AG5233	43.2	•	•	10/03	1.0	1.0	45
ASGROW AG5232	43.2	47.5	•	10/04	1.0	1.0	41
S08-X6399	43.0	•	•	10/02	1.0	1.0	53
USG 7553nRS	41.8	45.8	45.5	10/05	1.0	1.0	38
Pioneer 95Y10	41.6	•	•	10/05	1.0	1.0	53
Dyna-Gro 35RY51	41.4	•	•	10/01	1.0	1.0	44
REV [®] 55R53™	41.4	•	•	10/05	1.0	1.0	40
Armor 53-R88	40.8	39.6	•	10/03	1.0	1.0	40
NK S51-H9 Brand	40.7	•	•	09/29	1.0	1.0	42
Armor 53-R15	40.4	43.8	45.3	10/03	1.0	1.0	37
Armor X1316	40.4	•	•	10/04	1.0	1.0	43
Morsoy Xtra 51X52	40.0	•	•	10/04	1.0	1.0	40
REV [®] 55R83™	40.0	•	•	10/07	1.0	1.0	38
Dyna-Gro S54RY43	39.8	•	•	10/07	1.0	1.0	41
ASGROW AG5533	39.6	•	•	10/04	1.0	1.0	43
Armor X1314	39.6	•	•	10/05	1.0	1.0	39
REV [®] 51R53™	39.6	42.0	•	10/05	1.0	1.0	46
REV [®] 53R23™	39.6	•	•	10/03	1.0	1.0	37
Armor X1312-5	39.4	•	•	10/04	1.0	1.0	45
REV [®] 52R74™	39.4	•	•	10/03	1.0	1.0	48
S08-X7279	39.4	•	•	10/10	1.0	1.0	54
Armor X1313	39.0	•	•	10/04	1.0	1.0	41
AgVenture 50K5RR™	39.0	•	•	10/04	1.0	1.0	46
Delta Grow 5475RR2	39.0	•	•	10/08	1.0	1.0	41
Dyna-Gro 32RY55	39.0	43.4	•	10/10	1.0	1.0	41
Pioneer 95Y40	39.0	41.2	40.1	10/03	1.0	1.0	38
USG 75B21R	39.0	43.5	•	10/01	1.0	1.0	40
Croplan R2C5482	38.8	•	•	10/08	1.0	1.0	38
HBK RY5421	38.8	43.7	•	10/06	1.0	1.0	34
Morsoy 5429	38.4	42.2	42.7	10/07	1.0	1.0	40
Willcross RR2507NS	38.4	39.6	39.7	10/04	1.0	1.0	52
USG 75Q52R	38.4	•	•	10/05	1.0	1.0	44
Dyna-Gro 37RY52	38.2	45.3	45.0	10/05	1.0	1.0	40
HBK RY5521	38.2	42.7	•	10/09	1.0	1.0	40
Progeny 5412RY	38.2	•	•	10/05	1.0	1.0	43
ASGROW AG5532	38.0	43.8	•	10/04	1.0	1.0	42
Delta Grow 5175RR2	37.8	•	•	10/04	1.0	1.0	42
AgVenture 54K4RR™	37.6	•	•	10/12	1.0	1.0	48
Armor X1315	37.6	•	•	10/07	1.0	1.0	40

Table 24. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2012¹, Continued.

Variety/Experimental Line	2012	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							
Willcross RR2544NS	37.6	46.1	45.8	10/04	1.0	1.0	40
Willcross RR2547N	37.4	41.2	41.5	10/15	1.0	1.0	48
Pioneer 95Y01	37.4	•	•	10/04	1.0	1.0	52
R09-1607RR	37.4	•	•	10/05	1.0	1.0	39
AgVenture 55K5RR™	37.3	•	•	10/10	1.0	1.0	43
HBK RY5221	37.2	40.5	•	10/02	1.7	1.0	51
Armor 55-R22	36.8	41.0	•	10/07	1.0	1.0	40
Morsoy Xtra 54X41	36.8	42.8	•	10/10	1.0	1.0	42
Morsoy Xtra 53X82	36.6	•	•	10/08	1.0	1.0	40
REV®54R84™	36.0	•	•	10/05	1.0	1.0	33
AGS 554 RR	35.8	38.8	39.8	10/09	1.0	1.0	43
R04-1268RR	35.5	40.2	•	10/06	1.0	1.0	37
Delta Grow 5556RR1	35.2	•	•	10/08	1.0	1.0	45
Delta Grow 5535RR2	34.3	•	•	10/06	1.0	1.0	42
Schillinger 557.RC	34.3	40.4	42.2	10/05	1.0	1.0	39
Eagle Seed ES5507	34.1	39.7	41.5	10/13	1.0	1.0	43
USG 75Q42R	33.9	•	•	10/08	1.0	1.0	40
Eagle Seed ES5519	32.7	•	•	10/12	1.0	1.0	41
Progeny 5111RY	32.7	39.5	•	10/01	2.0	1.0	50
Schillinger 5220.RC	32.6	38.7	•	10/08	1.0	1.0	51
Eagle Seed ES5400	32.3	•	•	10/14	1.0	1.0	53
Progeny 5388RY	32.1	•	•	10/10	1.0	1.0	59
GRAND MEAN	38.5	•	•	10/06	1.0	1.0	43
LSD (5%)	5.1	•	•	3	0.2	•	•
C.V.	9.8	•	•	6	15.9	•	•

Table 24. Performance of Irrigated, Full-Season, Roundup Ready™ Soybean Varieties and Strains, Vegetable Research Station, Kibler, Ark., 2012¹, Continued.

Variety/Experimental Line	2012	2-Year ² Average	3-Year ³ Average	Maturity Date	Lodging Score	Shatter Score	Plant Height
.....bu/A.....							
Maturity Group V Late (RM 5.6 to 5.9)							
ASGROW AG5633	40.6	•	•	10/07	1.0	1.0	38
REV [®] 56R21™	40.5	46.7	47.4	10/09	1.0	1.0	42
Progeny 5610RY	40.1	47.3	45.3	10/12	1.0	1.0	40
REV [®] 57R21™	39.9	46.2	46.1	10/10	1.0	1.0	45
Progeny 5811RY	39.1	46.0	•	10/11	1.0	1.0	41
AGS 597 RR	38.9	44.4	44.1	10/13	1.0	1.0	41
REV [®] 56R63™	38.7	43.9	•	10/09	1.0	1.0	41
Dyna-Gro 39RY57	38.1	•	•	10/07	1.0	1.0	38
Delta Grow 5625RR2	37.9	46.5	•	10/08	1.0	1.0	37
Eagle Seed ES5650	37.3	•	•	10/08	1.0	1.0	41
AGS 568 RR	37.1	42.6	40.3	10/12	1.0	1.0	42
ASGROW AG5632	36.5	43.9	•	10/08	1.0	1.0	39
NK S56-G6 Brand	36.5	43.3	•	10/11	1.0	1.0	41
Progeny 5711RY	36.1	44.3	•	10/08	1.0	1.0	37
USG 75Z98	35.7	44.4	42.7	10/11	1.0	1.0	41
ASGROW AG5732	35.5	•	•	10/07	1.0	1.0	40
USG 75J62R	34.9	•	•	10/11	1.0	1.0	58
REV [®] 59R13™	34.3	•	•	10/15	1.0	1.0	45
Progeny 5655RY	31.2	41.8	•	10/06	1.5	1.0	43
GRAND MEAN	37.3	•	•	10/10	1.0	1.0	42
LSD (5%)	5.3	•	•	3	0.2	•	•
C.V.	10.3	•	•	23	11.5	•	•

¹Only MG 5s were tested at this location.²Average Yield for 2011 and 2012.³Average Yield for 2010, 2011, 2012.

Soil Series	Roxanna silt loam
Previous Crop	Soybean
Row Width	36 inches
Planting Date	5/23
Herbicide Applications	Dual Magnum + Pursuit, 5/23
Insecticide Applications	N/A
Irrigation Dates	5/24, 6/14, 6/21, 6/28, 7/5, 7/19, 7/24, 8/1, 8/8, 8/15, 8/22, 8/29
Harvest Dates	MG 5E, 10/24; MG 5L, 10/24

	Precipitation (inches)						Total
	May	June	July	August	September	October	
2012	2.2	1.5	3.8	0.5	4.6	2.4	15.0
Average	5.5	4.3	3.3	2.6	4.1	4.3	24.1
Departure	-3.3	-2.8	0.5	-2.1	0.5	-1.9	-9.1

Participants and Entries
2012 Early-Planted Roundup Ready™ Tests

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Armor Seed P.O. Box 9 Hwy 49 Waldenburg, AR 72475	Armor 44-R08	4.4	RR2	AMC
	Armor 46-R42	4.6	RR2	AMC
	Armor 46-R64	4.6	RR2	AMC
	Armor 48-R40	4.7	RR2/STS	AMC
	Armor 48-R91	4.8	RR2/STS	AMC
	Armor 49-R56	4.9	RR2	AMC
	Armor DK 4744	4.7	RR2/STS	AMC
	Armor X1303	4.2	RR2/STS	AMC
	Armor X1304	4.4	RR2	AMC
	Armor X1305	4.4	RR2/STS	AMC
	Armor X1306	4.7	RR2	AMC
	Armor X1307	4.8	RR2/STS	AMC
	Armor X1308	4.8	RR2	AMC
	Armor X1309	4.8	RR2	AMC
	Armor X1311	4.9	RR2	AMC
	Armor X1312	4.9	RR2	AMC
	Armor X1312-5	5.1	RR2	AMC
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	Morsoy Xtra 44X82	4.4	RR2	CruiserMaxx
	Morsoy Xtra 46X29	4.6	RR2/STS	CruiserMaxx
	Morsoy Xtra 46X71	4.6	RR2	CruiserMaxx
	Morsoy Xtra 47X12	4.7	RR2/STS	CruiserMaxx
	Morsoy Xtra 48X00	4.8	RR2/STS	CruiserMaxx
	Morsoy Xtra 48X02	4.8	RR2	CruiserMaxx
Crop Production Services P.O. Box 348 Portageville, MO 63873	Dyna-Gro 31RY45	4.5	RR2	Acceleron + Imidacloprid
	Dyna-Gro 35RY51	5.1	RR2	Acceleron + Imidacloprid
	Dyna-Gro 39RY43	4.3	RR2	Acceleron + Imidacloprid
	Dyna-Gro S48RS53	4.8	RR2/STS	Acceleron + Imidacloprid
	Dyna-Gro S53RY23	5.3	RR2	Acceleron + Imidacloprid

Participants and Entries
2012 Early-Planted Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Croplan Genetics WinField Solutions/ 4990 NCR 583 Blytheville, AR 72315	Croplan R2C4391	4.3	RR2	Untreated
	Croplan R2C4541	4.5	RR2	Untreated
	Croplan R2C4801S	4.8	RR2	Untreated
	Croplan R2C5081	5.0	RR2	Untreated
	Croplan R2C5371	5.3	RR2	Untreated
	Croplan R2T4799S	4.7	RR2	Untreated
Delta Grow Seed 220 NW 2nd England, AR 72046	Delta Grow 4575RRR2	4.5	RR2	CruiserMaxx
	Delta Grow 4670RRR2	4.6	RR2	CruiserMaxx
	Delta Grow 4715RRR2	4.7	RR2	CruiserMaxx
	Delta Grow 4755RRR2	4.7	RR2	CruiserMaxx
	Delta Grow 4765RRR2/STS	4.7	RR2/STS	CruiserMaxx
	Delta Grow 4815RRR2	4.8	RR2	CruiserMaxx
	Delta Grow 4825 RR2/STS	4.8	RR2/STS	CruiserMaxx
	Delta Grow 4870RRR2	4.8	RR2	CruiserMaxx
	Delta Grow 4875RRR2/STS	4.8	RR2/STS	CruiserMaxx
	Delta Grow 4880RR	4.8	RR1	CruiserMaxx
	Delta Grow 4925RRR2	4.9	RR2	CruiserMaxx
	Delta Grow 4970RR	4.9	RR1	CruiserMaxx
Dulaney Seed Inc. 150 Jackson 164 Rd McCrory, AR 72101	Delta Grow 4975RR	4.9	RR1	CruiserMaxx
	Delta Grow 4980RRR2	4.9	RR2	CruiserMaxx
	Delta Grow 5175RRR2	5.1	RR2	CruiserMaxx
	AgVenture 50K5RR™ AVDX - D812	5.0 4.8	RR1 RR1	CruiserMaxx CruiserMaxx
LG Seeds 22827 Shissler Road Elmwood, IL 61529	LG C4411R2	4.4	RR2	Metalaxyl + Pyraclostrobin
	LG C4625R2	4.6	RR2/STS	Metalaxyl + Pyraclostrobin
	LG C4780R2	4.7	RR2/STS	Metalaxyl + Pyraclostrobin
	LG C4885R2	4.8	RR2/STS	Metalaxyl + Pyraclostrobin

Participants and Entries
2012 Early-Planted Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Monstanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	ASGROW AG3833	3.8	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG4232	4.2	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG4531	4.5	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG4632	4.6	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG4933	4.9	RR2	Acceleron + Poncho/VOTIVO
	ASGROW AG5332	5.3	RR2	Acceleron + Poncho/VOTIVO
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny 4211RY	4.2	RR2	Poncho/VOTIVO
	Progeny 4510RY	4.5	RR2	Poncho/VOTIVO
	Progeny 4611RY	4.6	RR2	Poncho/VOTIVO
	Progeny 4710RY	4.7	RR2	Poncho/VOTIVO
	Progeny 4747RY	4.7	RR2	Poncho/VOTIVO
	Progeny 4814RY	4.8	RR2	Poncho/VOTIVO
	Progeny 4850RY	4.8	RR2	Poncho/VOTIVO
	Progeny 4900RY	4.9	RR2	Poncho/VOTIVO
	Progeny 4920RY	4.9	RR2	Poncho/VOTIVO
	Progeny 5111RY	5.1	RR2	Poncho/VOTIVO
	Progeny 5210RY	5.2	RR2	Poncho/VOTIVO
	Progeny 5388RY	5.3	RR2	Poncho/VOTIVO
	Stratton Seed Company P.O. Box 1088 Stuttgart, AR 72160	Schillinger 458.RCS	4.6	RR1/STS
Schillinger 478.RCS		4.7	RR1/STS	CruiserMaxx
Schillinger 495.RC		4.9	RR1	CruiserMaxx
Schillinger 5220.RC		5.2	RR1	CruiserMaxx

Participants and Entries
2012 Early-Planted Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</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®47R53™	4.7	RR1	CruiserMaxx	
	REV®48R10™	4.8	RR1	CruiserMaxx	
	REV®48R22™	4.8	RR1	CruiserMaxx	
	REV®48R33™	4.8	RR1	CruiserMaxx	
	REV®49R10™	4.9	RR1	CruiserMaxx	
	REV®49R11™	4.9	RR1	CruiserMaxx	
	REV®49R43™	4.9	RR1	CruiserMaxx	
	REV®49R54™	4.9	RR1	CruiserMaxx	
	REV®51R53™	5.1	RR1	CruiserMaxx	
	REV®52R74™	5.2	RR1	CruiserMaxx	
	REV®53R23™	5.3	RR1	CruiserMaxx	
	UniSouth Genetics, Inc. 3205-C HWY 46 S Dickson, TN 37055	USG 74A79R	4.7	RR2	CruiserMaxx
		USG 74B81R	4.8	RR2	CruiserMaxx
USG 74E88		4.8	RR1/STS	CruiserMaxx	
USG 74H92R		4.9	RR2	CruiserMaxx	
University of Missouri 147 State Hwy T Portageville, MO 63873	S08-X14117	4.3	RR1	Trilex + Gaucho	
	S08-X2499	4.8	RR1	Trilex + Gaucho	
	S08-X6399	5.1	RR1	Trilex + Gaucho	
	S08-X7279	5.2	RR1	Trilex + Gaucho	

Participants and Entries
2012 Non-Roundup Ready™ and LibertyLink™ Tests

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
AGSouth Genetics P.O. Box 72246 Albany, GA 31708	AGS 533 LL	5.3	LL	CruiserMaxx
	AGS 5911 LL	5.9	LL	CruiserMaxx
Armor Seed P.O. Box 9 Hwy 49 Waldenburg, AR 72475	Armor 49-C3	4.9	Conv.	AMC
	Armor 50-C3	5.0	Conv.	AMC
Crop Production Services P.O. Box 348 Portageville, MO 63873	Dyna-Gro S48LL23	4.8	LL	Acceleron + Imidacloprid
	Dyna-Gro 34LL53	5.3	LL	Acceleron + Imidacloprid
Croplan Genetics WinField Solutions/ 4990 NCR 583 Blytheville, AR 72315	Croplan LC4880	4.8	LL	Untreated
Delta Grow Seed 220 NW 2nd England, AR 72046	Delta Grow 4867LL	4.8	LL	CruiserMaxx
	Delta Grow 4967LL	4.9	LL	CruiserMaxx
	Delta Grow 4990LL	4.9	LL	CruiserMaxx
	Delta Grow 5461LL	5.4	LL	CruiserMaxx
Eagle Research P.O. Box 308 Weiner, AR 72479	Eagle Research 5376LL	5.3	LL	CruiserMaxx

Participants and Entries
2012 Non-Roundup Ready™ and LibertyLink™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny 4819LL	4.8	LL	Poncho/VOTIVO
	Progeny 4928LL	4.9	LL	Poncho/VOTIVO
	Progeny 5160LL	5.1	LL	Poncho/VOTIVO
	Progeny 5460LL	5.4	LL	Poncho/VOTIVO
	Progeny 5960LL	5.9	LL	Poncho/VOTIVO
Stratton Seed Company P.O. Box 1088 Stuttgart, AR 72160	Go Soy 4411 LL	4.4	LL	CruiserMaxx
	Go Soy 4711 LL	4.7	LL	CruiserMaxx
	Go Soy 4812 LL	4.8	LL	CruiserMaxx
	Go Soy 4910 LL	4.9	LL	CruiserMaxx
	Go Soy 4912 LL	4.9	LL	CruiserMaxx
	Go Soy 5010 LL	5.0	LL	CruiserMaxx
	Go Soy 5111 LL	5.1	LL	CruiserMaxx
	Go Soy 5410 LL	5.4	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
	R02-3065	5.9	Conv.	Apron Maxx
	R03-1250	5.9	Conv.	Apron Maxx
	R05-3239	4.8	Conv.	Apron Maxx
	R05-4114	4.9	Conv.	Apron Maxx
	R06-4433	5.9	Conv.	Apron Maxx
	UA 5612	5.6	Conv.	Apron Maxx
	S08-X17361	5.1	Conv.	Trilex + Gaucho
University of Missouri 147 State Hwy T Portageville, MO 63873				

Participants and Entries
2012 Non-Roundup Ready™ and LibertyLink™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
UniSouth Genetics, Inc. 3205-C HWY 46 S Dickson, TN 37055	USG 74G82L	4.8	LL	CruiserMaxx
	USG 74G99L	4.9	LL	CruiserMaxx
USDA-ARS 141 Experiment Station Road Stoneville, MS 38776	DB03-8416	5.4	Conv.	Apron Maxx
	DB04-10836	5.4	Conv.	Apron Maxx
USDA-ARS 605 Airways Blvd. Jackson, TN 38301	JTN-4307	5.0	Conv.	Apron Maxx
	JTN-4408	5.0	Conv.	Apron Maxx
	JTN-5203	5.3	Conv.	Apron Maxx
	JTN-5108	5.4	Conv.	Apron Maxx
	JTN-5110	5.5	Conv.	Apron Maxx
US Seeds 2528 Alexander Dr. Jonesboro, AR 72401	HALO 4:65	4.6	LL	AMC
	HALO 4:76	4.7	LL	AMC
	HALO 4:94	4.9	LL	AMC
	HALO 4:95	4.8	LL	AMC
	HALO 5:01	4.9	LL	AMC
	HALO 5:25	5.3	LL	AMC
	HALO 5:26	5.1	LL	AMC
	HALO 5:45	5.4	LL	AMC
	HALO X456	4.5	LL	AMC
	HALO X50	5.0	LL	AMC
HALO X55	5.5	LL	AMC	
Virginia Tech 330 Smyth Hall Blacksburg, VA 24061	Glenn	5.5	Conv.	Untreated

Participants and Entries
2012 Full-Season Roundup Ready™ Tests

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
AgBorn Genetics LLC PO Box 107 200 E First St. Hermann, MO 65041	AgBorn S06-X9464	5.0	RR1	N-Hibit
	AgBorn S08-X0448	4.1	RR1	N-Hibit
	AgBorn S08-X27041	4.7	RR1	N-Hibit
	AgBorn S08-X78041	4.7	RR1	N-Hibit
AGSouth Genetics P.O. Box 72246 Albany, GA 31708	AGS 43R212	4.3	RR2	CruiserMaxx
	AGS 45R212	4.5	RR2	CruiserMaxx
	AGS 47R212	4.7	RR2	CruiserMaxx
	AGS 554 RR	5.5	RR1	CruiserMaxx
	AGS 568 RR	5.6	RR1	CruiserMaxx
	AGS 597 RR	5.9	RR1	CruiserMaxx
Armor Seed P.O. Box 9 Hwy 49 Waldenburg, AR 72475	Armor 44-R08	4.4	RR2	AMC
	Armor 46-R42	4.6	RR2	AMC
	Armor 46-R64	4.6	RR2	AMC
	Armor 48-R40	4.7	RR2/STS	AMC
	Armor 48-R91	4.8	RR2/STS	AMC
	Armor 49-R56	4.9	RR2	AMC
	Armor 53-R15	5.3	RR2	AMC
	Armor 53-R88	5.4	RR2/STS	AMC
	Armor 55-R22	5.5	RR2	AMC
	Armor DK 4744	4.7	RR2/STS	AMC
	Armor X1303	4.2	RR2/STS	AMC
	Armor X1306	4.7	RR2	AMC
	Armor X1307	4.8	RR2/STS	AMC
	Armor X1308	4.8	RR2	AMC
	Armor X1309	4.8	RR2	AMC
	Armor X1311	4.9	RR2	AMC
Armor X1312	4.9	RR2	AMC	
Armor X1312-5	5.1	RR2	AMC	
Armor X1313	5.3	RR2	AMC	
Armor X1314	5.4	RR2	AMC	
Armor X1315	5.4	RR2	AMC	
Armor X1316	5.4	RR2	AMC	

Participants and Entries
2012 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Bayer CropScience 1690 Jasmine Conway, AR 72034	HBK R4924	4.9	RR1	Trilex 2000 + Poncho/VOTIVO
	HBK RY4620	4.6	RR2/STS	Trilex 2000 + Poncho/VOTIVO
	HBK RY4721	4.7	RR2	Trilex 2000 + Poncho/VOTIVO
	HBK RY5221	5.2	RR2	Trilex 2000 + Poncho/VOTIVO
	HBK RY5421	5.4	RR2	Trilex 2000 + Poncho/VOTIVO
	HBK RY5521	5.5	RR2	Trilex 2000 + Poncho/VOTIVO
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	Morsoy 5429	5.4	RR1	CruiserMaxx
	Morsoy Xtra 44X82	4.4	RR2/STS	CruiserMaxx
	Morsoy Xtra 46X29	4.6	RR2/STS	CruiserMaxx
	Morsoy Xtra 46X71	4.6	RR2/STS	CruiserMaxx
	Morsoy Xtra 47X12	4.7	RR2	CruiserMaxx
	Morsoy Xtra 47X31	4.7	RR2/STS	CruiserMaxx
	Morsoy Xtra 48X00	4.8	RR2/STS	CruiserMaxx
	Morsoy Xtra 48X02	4.8	RR2	CruiserMaxx
	Morsoy Xtra 51X52	5.1	RR2	CruiserMaxx
	Morsoy Xtra 53X82	5.3	RR2	CruiserMaxx
	Morsoy Xtra 54X41	5.4	RR2	CruiserMaxx
	Crop Production Services P.O. Box 348 Portageville, MO 63873	Dyna-Gro 31RY45	4.5	RR2
Dyna-Gro 32RY55		5.5	RR2	Acceleron + Imidacloprid
Dyna-Gro 33RY47		4.7	RR2/STS	Acceleron + Imidacloprid
Dyna-Gro 35RY51		5.1	RR2	Acceleron + Imidacloprid
Dyna-Gro 37RY52		5.2	RR2	Acceleron + Imidacloprid
Dyna-Gro 39D48		4.8	RR1	Acceleron + Imidacloprid
Dyna-Gro 39RY43		4.3	RR2	Acceleron + Imidacloprid
Dyna-Gro 39RY57		5.7	RR2	Acceleron + Imidacloprid
Dyna-Gro S44RS93		4.4	RR2/STS	Acceleron + Imidacloprid
Dyna-Gro S47RY13		4.7	RR2	Acceleron + Imidacloprid
Dyna-Gro S54RY43		5.4	RR2	Acceleron + Imidacloprid
Croplan R2C5482		5.4	RR2	Untreated
Croplan Genetics WinField Solutions/ 4990 NCR 583 Blytheville, AR 72315				

Participants and Entries
2012 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Davis Seed Company 20847 HWY J5T Moravia, IA 52571	Davis 4147RR2	4.7	RR2	CruiserMaxx
	Davis 4148RR2Y	4.8	RR2/STS	CruiserMaxx
Delta Grow Seed 220 NW 2nd England, AR 72046	Delta Grow 4575RR2	4.5	RR2	CruiserMaxx
	Delta Grow 4670RR2	4.6	RR2	CruiserMaxx
	Delta Grow 4715RR2	4.7	RR2	CruiserMaxx
	Delta Grow 4755RR2	4.7	RR2	CruiserMaxx
	Delta Grow 4765RR2/STS	4.7	RR2/STS	CruiserMaxx
	Delta Grow 4815RR2	4.8	RR2	CruiserMaxx
	Delta Grow 4825 RR2/STS	4.8	RR2/STS	CruiserMaxx
	Delta Grow 4870RR2	4.8	RR2	CruiserMaxx
	Delta Grow 4875RR2/STS	4.8	RR2/STS	CruiserMaxx
	Delta Grow 4880RR	4.8	RR1	CruiserMaxx
	Delta Grow 4925RR2	4.9	RR2	CruiserMaxx
	Delta Grow 4970RR	4.9	RR1	CruiserMaxx
	Delta Grow 4975RR	4.9	RR1	CruiserMaxx
	Delta Grow 4980RR2	4.9	RR2	CruiserMaxx
	Delta Grow 5175RR2	5.1	RR2	CruiserMaxx
	Delta Grow 5475RR2	5.4	RR2	CruiserMaxx
Delta Grow 5535RR2	5.5	RR2	CruiserMaxx	
Delta Grow 5556RR1	5.5	RR1	CruiserMaxx	
Delta Grow 5625RR2	5.6	RR2	CruiserMaxx	
Dulaney Seed Inc. 150 Jackson 164 Rd McCrory, AR 72101	AvDX - D613	4.6	RR1	CruiserMaxx
	AvDX - D812	4.8	RR1	CruiserMaxx
	AgVenture 54K4RR™	5.4	RR1	CruiserMaxx
	AgVenture 55K5RR™	5.5	RR1	CruiserMaxx
	AgVenture 50K5RR™	5.0	RR1	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 ES5400	5.4	RR1	CruiserMaxx
	Eagle Seed ES5507	5.5	RR1	CruiserMaxx
	Eagle Seed ES5519	5.5	RR1	CruiserMaxx
Eagle Seed ES5650	5.6	RR1	CruiserMaxx	

Participants and Entries
2012 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
JGL, Inc. 1550 Pidco Dr. Plymouth, IN 46563	JGL EXP 480	4.8	RR2	CruiserMaxx Plus
	JGL EXP 481	4.8	RR2	CruiserMaxx Plus
LG Seeds 22827 Shissler Road Elmwood, IL 61529	LG C4625R2	4.6	RR2/STS	Metalaxyl + Pyraclostrobin
Monstanto 800 N. Lindbergh Blvd. St. Louis, MO 63167	ASGROW AG4232	4.2	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG4433	4.4	RR2	Acceleron + Poncho/VOTIVO
	ASGROW AG4531	4.5	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG4533	4.5	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG4632	4.6	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG4633	4.6	RR2	Acceleron + Poncho/VOTIVO
	ASGROW AG4832	4.8	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG4932	4.9	RR2	Acceleron + Poncho/VOTIVO
	ASGROW AG4933	4.9	RR2	Acceleron + Poncho/VOTIVO
	ASGROW AG5232	5.2	RR2	Acceleron + Poncho/VOTIVO
	ASGROW AG5233	5.2	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG5332	5.3	RR2	Acceleron + Poncho/VOTIVO
	ASGROW AG5532	5.5	RR2	Acceleron + Poncho/VOTIVO
	ASGROW AG5533	5.5	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG5632	5.6	RR2/STS	Acceleron + Poncho/VOTIVO
	ASGROW AG5633	5.6	RR2	Acceleron + Poncho/VOTIVO
ASGROW AG5732	5.7	RR2	Acceleron + Poncho/VOTIVO	
NK Syngenta Seed 130 Myra Shirey Lane Bernice, LA 71222	NK S41-J6 Brand	4.1	RR2	CruiserMaxx
	NK S44-D5 Brand	4.4	RR1	CruiserMaxx
	NK S46-T3 Brand	4.6	RR1	CruiserMaxx
	NK S46-A1 Brand	4.6	RR2	CruiserMaxx
	NK S48-P4 Brand	4.8	RR2/STS	CruiserMaxx
	NK S49-F8 Brand	4.9	RR1	CruiserMaxx
	NK S51-H9 Brand	5.1	RR2	CruiserMaxx
	NK S56-G6 Brand	5.6	RR2	CruiserMaxx

Participants and Entries
2012 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
Pioneer Hi-Bred International, Inc. 700 Boulevard South, Ste. 302 Huntsville, AL 35802	Pioneer 94Y23	4.2	RR1	Trilex + Allegiance + Gaucho
	Pioneer 94Y40	4.4	RR1	Trilex + Allegiance + Gaucho
	Pioneer 94Y70	4.7	RR1	Trilex + Allegiance + Gaucho
	Pioneer 95Y01	5.0	RR1	Trilex + Allegiance + Gaucho
	Pioneer 95Y10	5.1	RR1	Trilex + Allegiance + Gaucho
	Pioneer 95Y40	5.4	RR1	Trilex + Allegiance + Gaucho
	Pioneer 95Y50	5.5	RR1	Trilex + Allegiance + Gaucho
	Progeny Ag Products 1529 Hwy 193 Wynne, AR 72396	Progeny 4211RY	4.2	RR2
Progeny 4510RY		4.5	RR2	Poncho/VOTIVO
Progeny 4611RY		4.6	RR2	Poncho/VOTIVO
Progeny 4710RY		4.7	RR2	Poncho/VOTIVO
Progeny 4747RY		4.7	RR2	Poncho/VOTIVO
Progeny 4814RY		4.8	RR2	Poncho/VOTIVO
Progeny 4850RY		4.8	RR2	Poncho/VOTIVO
Progeny 4900RY		4.9	RR2	Poncho/VOTIVO
Progeny 4920RY		4.9	RR2	Poncho/VOTIVO
Progeny 5111RY		5.1	RR2	Poncho/VOTIVO
Progeny 5210RY		5.2	RR2	Poncho/VOTIVO
Progeny 5388RY		5.3	RR2	Poncho/VOTIVO
Progeny 5412RY		5.4	RR2	Poncho/VOTIVO
Progeny 5610RY		5.6	RR2	Poncho/VOTIVO
Progeny 5655RY		5.6	RR2	Poncho/VOTIVO
Progeny 5711RY		5.7	RR2	Poncho/VOTIVO
Progeny 5811RY	5.8	RR2	Poncho/VOTIVO	
Stratton Seed Company P.O. Box 1088 Stuttgart, AR 72160	Schillinger 457. RCP	4.5	RR1	CruiserMaxx
	Schillinger 478.RCS	4.7	RR1/STS	CruiserMaxx
	Schillinger 495.RC	4.9	RR1	CruiserMaxx
	Schillinger 5220.RC	5.2	RR1	CruiserMaxx
	Schillinger 557.RC	5.5	RR1	CruiserMaxx

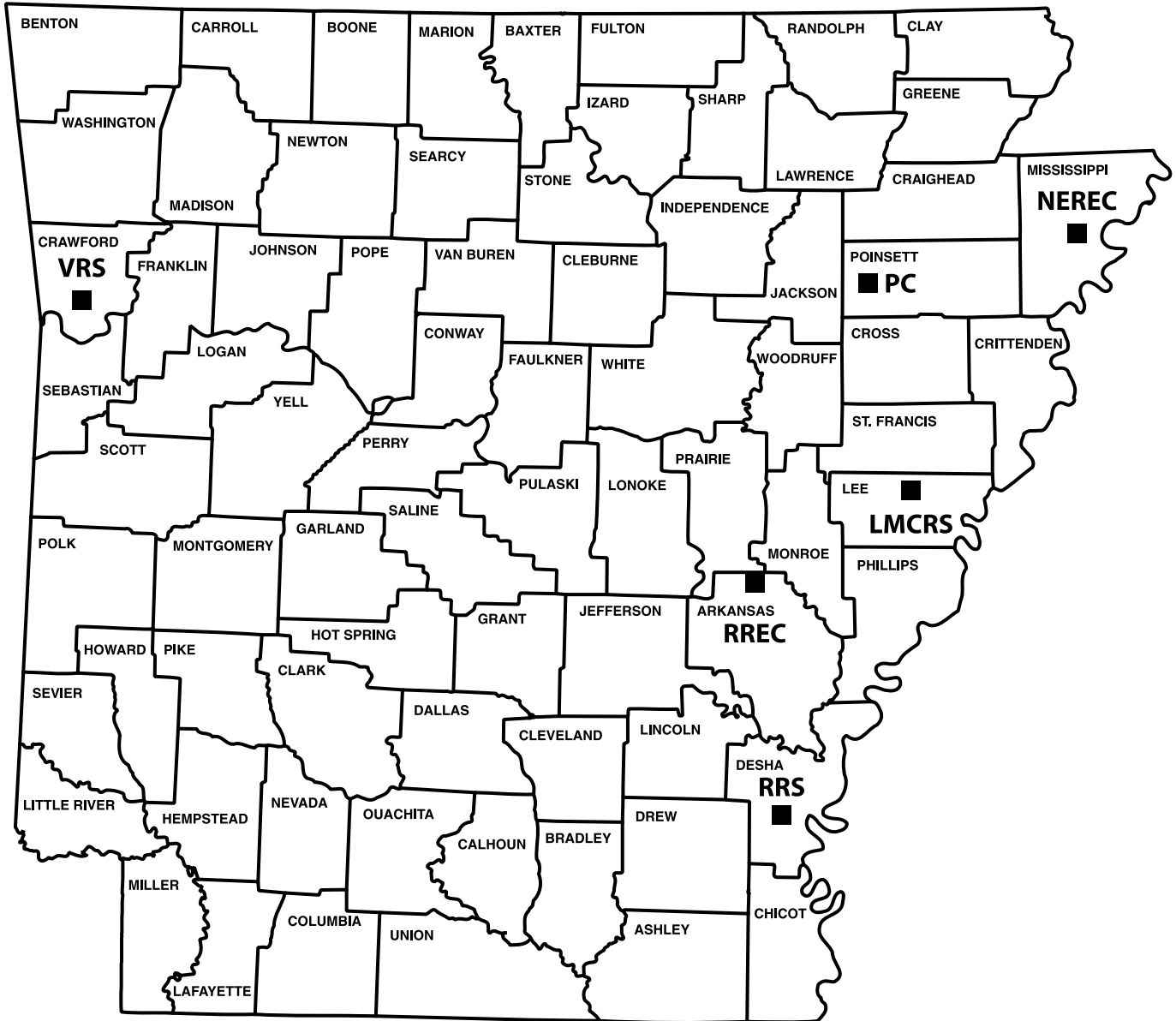
Participants and Entries
2012 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</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®46R73™	4.6	RR1	CruiserMaxx
	REV®47R53™	4.7	RR1	CruiserMaxx
	REV®47R74™	4.7	RR1	CruiserMaxx
	REV®48R10™	4.8	RR1	CruiserMaxx
	REV®48R22™	4.8	RR1	CruiserMaxx
	REV®48R33™	4.8	RR1	CruiserMaxx
	REV®49R10™	4.9	RR1	CruiserMaxx
	REV®49R11™	4.9	RR1	CruiserMaxx
	REV®49R22™	4.9	RR1	CruiserMaxx
	REV®49R43™	4.9	RR1	CruiserMaxx
	REV®49R54™	4.9	RR1	CruiserMaxx
	REV®51R53™	5.1	RR1	CruiserMaxx
	REV®52R74™	5.2	RR1	CruiserMaxx
	REV®53R23™	5.3	RR1	CruiserMaxx
	REV®54R84™	5.4	RR1	CruiserMaxx
	REV®55R53™	5.5	RR1	CruiserMaxx
	REV®55R83™	5.5	RR1	CruiserMaxx
	REV®56R21™	5.6	RR1	CruiserMaxx
	REV®56R63™	5.6	RR1	CruiserMaxx
	REV®57R21™	5.7	RR1	CruiserMaxx
REV®59R13™	5.9	RR1	CruiserMaxx	
UniSouth Genetics, Inc. 3205-C HWY 46 S Dickson, TN 37055	USG 74A91	4.9	RR1	CruiserMaxx
	USG 74B81R	4.8	RR1/STS	CruiserMaxx
	USG 74E88	4.8	RR1/STS	CruiserMaxx
	USG 74H92R	4.9	RR2	CruiserMaxx
	USG 7553nRS	5.5	RR1/STS	CruiserMaxx
	USG 75B21R	5.2	RR2	CruiserMaxx
	USG 75J62R	5.6	RR2	CruiserMaxx
	USG 75Q42R	5.4	RR2	CruiserMaxx
	USG 75Q52R	5.5	RR2	CruiserMaxx
	USG 75Z98	5.9	RR1	CruiserMaxx

Participants and Entries
2012 Full-Season Roundup Ready™ Tests, Continued

<u>Company/ Institute</u>	<u>Variety</u>	<u>Rel. Maturity</u>	<u>Herbicide Tolerance</u>	<u>Seed Treatment</u>
University of Arkansas 115 Plant Science Building Fayetteville, AR 72701	R04-1268RR	5.4	RR1	Apron Maxx
	R09-1607RR	5.0	RR1	Apron Maxx
University of Missouri 147 State Hwy T Portageville, MO 63873	S08-X14117	4.3	RR1	Trilex + Gaucho
	S08-X2499	4.8	RR1	Trilex + Gaucho
	S08-X6399	5.1	RR1	Trilex + Gaucho
	S08-X7279	5.2	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 RY2482N	4.8	RR2	Trilex 6000

SOYBEAN TEST LOCATIONS



- LMCRS** - Lon Mann Cotton Research Station, Marianna, Arkansas
- NREC** - Northeast Research and Extension Center, Keiser, Arkansas
- PC** - Poinsett County, near Weiner, 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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