

2011 Soybean Performance Results for Full-Season and Double-Crop RoundUp Ready Production Systems in Arkansas (Two-Year Averages)

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Each year numerous soybean varieties are commercially available to growers in Arkansas. However, only a limited number of soybean varieties have been tested in Arkansas at April plantings. Yield performance in early (April) plantings varies according to location, adaptability to soils, relative maturity, lodging, shattering potential, disease and nematode resistance, as well as herbicide and chloride sensitivity. This update contains information derived from the 2010 and 2011 University of Arkansas System Division of Agriculture soybean variety testing program and is provided as an aid in variety selection for the Early Soybean Production System (ESPS). Typically, ESPS plantings consist of planting very early maturing varieties (generally MG III or early-IV) in April.

Since proper variety selection involves knowledge of yield potential, maturity, disease reaction, herbicide sensitivity, etc., these and many other important characteristics are listed in **Tables 3, 4, 6 and 7**. Varieties are considered adapted to Arkansas conditions based primarily on their yield

performance across the different geographical regions of Arkansas. The location, soil description, and cultural information for each of the 2011 soybean early-planted performance trials are found in **Table 1. All varieties listed in this publication have been tested in the University of Arkansas System Division of Agriculture Soybean Performance Trials for at least two years.**

Soybean variety performance may vary from year to year, and two-year averages are better predictors of performance than data from a single year. Superior performance across several locations suggests that a variety has wide adaptability; thus multi-year and multi-location yields are particularly useful for making variety selection decisions.

SOYVA, a University of Arkansas System Division of Agriculture computerized variety selection program, can assist in making these field-specific variety selection decisions. Presently, **SOYVA** sorts through hundreds of adapted soybean varieties in Maturity Groups (MG) III – V, and makes variety

recommendations based on responses to specific conditions described by the user. Soybean producers are encouraged to use this publication and **SOYVA** when selecting varieties for the different production systems. Contact your county extension agent for details concerning SOYVA. Additional information is available at the University of Arkansas System Division of Agriculture Cooperative Extension Service web site (<http://www.aragriculture.org/soybean.htm>) under the Computer Programs link.

ADAPTED SOYBEAN VARIETIES FOR EARLY SOYBEAN PRODUCTION

Generally, varieties within MG IV are the best adapted for these early (April) plantings in Arkansas; however, there are situations where varieties from MG III and V may perform well. Recent research indicates that indeterminate MG IV varieties can produce acceptable yield when planted early (April) and will normally mature in August through mid-September. Varieties of differing relative maturity (even within the same MG) are recommended in an attempt to spread out the risk of shattering due to adverse weather conditions or mechanical problems at harvest. In Arkansas, the following designations apply to varieties representing the various MG's: III – very early maturity; IV – early maturity; and V – mid-season maturity.

ABOUT THIS PUBLICATION

Table 1 consists of cultural information that pertains to the 2011 University of Arkansas Soybean Performance Trials (<http://www.arkansasvarietytesting.com>).

Tables 2 and 5 contain varietal information for both 2010 and 2011.

Tables 3, 4, 6, & 7 contain the many varietal characteristics of those varieties designated as being adapted to the Arkansas soybean production environment and are grouped by MG. These adapted varieties are included in **SOYVA** and field specific variety recommendations can be obtained by utilizing this program.

Users of this publication are encouraged to review the “Key Code” page for further explanation regarding varietal rating to disease, herbicide sensitivity and other agronomic considerations.

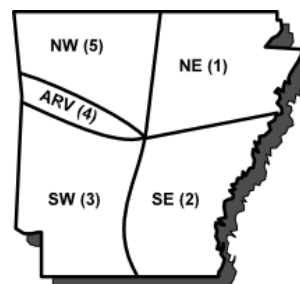


Figure 1. Area of Adaptation for Soybean Maturity Groups for All Production Systems

- Northeast Arkansas (1):** Groups III, IV, or V
- Southeast Arkansas (2):** Groups III, IV, or V
- Southwest Arkansas (3):** Groups III, IV, or V
- Arkansas River Valley (4):** Groups III, IV, or V
- Northwest Arkansas (5):** Groups IV or V

Table 1. Location, Soil Description and Cultural Information of the Arkansas Performance Trials – 2011								
Location	Soil Description	Planting Date	Row Width	Harvest Date by MG				Previous Crop
				Early IV	Late IV	Early V	Late V	
Keiser – Irrigated	Sharky Silty Clay	5/31	38 inches	10/15	10/21	10/23	10/23	Corn
Keiser – Non-Irrigated	Sharky Silty Clay	6/1	38 inches	10/6	10/14	10/21	10/21	Corn
Keiser – DC Irrigated	Sharky Silty Clay	6/23	Four 7.5-inch rows on two 38-inch beds	11/7	11/7	11/8	11/8	Corn
Marianna – Irrigated	Calloway Silt Loam	5/31	30 inches	10/11	10/20	10/21	10/21	Soybean
Stuttgart – Irrigated	Crowley Silt Loam	5/18	31 inches	10/11	10/11	10/17	10/17	Rice
Rohwer – Irrigated	Sharky Clay	5/24	19 inches	10/5	10/5	10/12	10/12	Soybean
Kibler – Irrigated	Roxanna Silt Loam	6/2	36 inches	•	•	11/1	11/1	Soybean

The KEY CODE for all the following tables is found on the back page. Refer to the KEY CODE for a description of the abbreviated varietal characteristics.

HOW TO MAKE YIELD COMPARISONS USING THE FOLLOWING TABLES: The LSD (0.05), Least Significant Difference, represents the minimum yield difference required between two varieties within the same location before concluding that their yields are truly different (while assuming a 5% risk that the yield differences are due to random chance.) Use only the LSD value listed below each column (location-maturity group) to compare variety yield averages among varieties within that column.

Note: “Shading” beside a variety mean indicated that there are no statistical difference between that varietal mean and the highest yielding varietal mean “*” at the test location utilizing the appropriate LSD (0.05) value.

2011 Full Season Roundup Ready Soybean Update

Table 2. Yields (bu/A) of Maturity Group IV Roundup Ready™ Soybean Cultivars at All Locations, 2011

Variety	Keiser Irrg	2yr Avg	3yr Avg	Keiser Non Irrg	2yr Avg	3yr Avg	Keiser DC Irrg	2yr Avg	3yr Avg	Marianna Irrg	2yr Avg	3yr Avg	Stuttgart Irrg	2yr Avg	3yr Avg	Rohwer Irrg	2yr Avg	3yr Avg	Kibler Irrg	2yr Avg	3yr Avg	Silt Loam Avg ²	Clay Avg ³	All Location Avg ⁴
.....bu/A.....																								
Maturity Group IV Early (RM 4.0 to 4.6)																								
ASGROW AG4531	87.3*	78.6	•	51.9	46.5	•	60.9	63.6	•	•	•	•	61.7	62.3	•	51.7	49.9	•	•	•	•	61.7	63.0	62.7
Dyna-Gro 35x43	86.8	81.1	•	41.6	40.1	•	58.5	69.4	•	•	•	•	69.4	62.8	•	50.7	50.6	•	•	•	•	69.4	59.4	61.4
Dyna-Gro 36C44	77.9	74.8	71.8	53.5	46.4	51.4	64.0*	70.4	69.4	•	•	•	65.2	59.3	62.5	54.2	53.4	51.0	•	•	•	65.2	62.4	63.0
HBK R4527	61.6	63.6	65.3	57.7	47.4	50.2	51.5	52.7	58.2	•	•	•	52.2	53.2	58.5	51.7	49.4	48.6	•	•	•	52.2	55.6	54.9
HBK RY4620	79.1	74.5	•	51.3	46.1	•	60.3	65.1	•	•	•	•	63.0	62.4	•	54.4	53.5	•	•	•	•	63.0	61.3	61.6
Morsoy Xtra 46X29	75.0	73.8	•	47.5	42.3	•	62.1	63.4	•	•	•	•	67.1	63.0	•	57.1	52.3	•	•	•	•	67.1	60.4	61.7
Pioneer 94Y40	83.4	78.5	•	49.2	43.4	•	58.4	66.8	•	•	•	•	74.7*	66.5	•	59.4*	54.5	•	•	•	•	74.7	62.6	65.0
Progeny 4510RY	83.4	76.9	•	44.2	42.7	•	61.1	64.5	•	•	•	•	69.7	66.5	•	51.5	50.0	•	•	•	•	69.7	60.0	62.0
REV® 44R22™	77.7	78.4	•	47.4	42.2	•	61.0	68.0	•	•	•	•	58.1	55.8	•	51.7	53.8	•	•	•	•	58.1	59.5	59.2
REV® 45R10™	68.9	71.9	71.3	55.6*	43.5	51.0	57.8	65.2	65.0	•	•	•	60.5	56.1	•	44.3	43.5	41.8	•	•	•	60.5	56.6	57.4
Schillinger 457.RCP	73.7	73.0	72.1	53.1	45.7	51.4	56.2	63.2	63.8	•	•	•	65.3	55.0	59.5	52.8	52.1	48.2	•	•	•	65.3	58.9	60.2
Schillinger 458.RCS	76.5	74.2	71.7	44.9	40.8	50.5	59.0	67.5	67.7	•	•	•	64.1	58.9	62.5	49.8	52.4	52.3	•	•	•	64.1	57.6	58.9
USG 74C69	72.7	70.9	70.0	55.2	46.2	51.8	48.0	55.7	59.9	•	•	•	55.9	54.0	•	49.3	51.1	49.8	•	•	•	55.9	56.3	56.2
Willcross RY2460S	83.5	76.4	•	46.6	43.0	•	58.0	67.8	•	•	•	•	69.4	63.4	•	50.2	49.8	•	•	•	•	69.4	59.6	61.5
GRAND MEAN	76.7	•	•	51.0	•	•	60.1	•	•	•	•	•	65.3	•	•	53.8	•	•	•	•	•	65.3	60.4	61.4
LSD (5%)	10.8	•	•	13.8	•	•	6.6	•	•	•	•	•	5.3	•	•	7.6	•	•	•	•	•	5.3	9.7	8.8
C.V.	8.6	•	•	13.3	•	•	6.7	•	•	•	•	•	4.9	•	•	7.0	•	•	•	•	•	4.9	8.9	8.1
Maturity Group IV Late (RM 4.7 to 4.9)																								
Armor DK 4744	81.4*	76.2	•	55.8	47.7	•	56.2	62.7	•	•	•	•	58.4	59.5	•	54.3	53.3	•	•	•	•	58.4	61.9	61.2
Armor X1211	77.4	71.8	•	53.3	43.1	•	58.2	60.6	•	•	•	•	56.2	59.3	•	47.8	47.8	•	•	•	•	56.2	59.2	58.6
ASGROW AG4730	80.1	79.5	•	56.1	46.2	•	61.4	65.8	•	•	•	•	53.1	55.8	•	54.5	53.9	•	•	•	•	53.1	63.0	61.1
Davis D-147RRCNS	76.1	75.2	•	51.4	44.1	•	61.0	67.1	•	•	•	•	63.4	63.6	•	47.2	50.8	•	•	•	•	63.4	58.9	59.8
Davis D-149RRCNS	82.7	77.9	•	59.3*	51.2	•	61.8	67.7	•	•	•	•	66.2	62.1	•	56.5	58.1	•	•	•	•	66.2	65.1	65.3
Delta Grow 4770RR	81.4	77.2	75.3	51.3	46.4	53.0	63.7*	69.2	70.1	•	•	•	67.0*	62.4	66.7	49.0	51.1	51.9	•	•	•	67.0*	61.3	62.5
Delta Grow 4880RR	76.1	76.0	•	56.7	49.2	•	59.7	68.6	•	•	•	•	54.8	58.6	•	56.8	59.3	•	•	•	•	54.8	62.3	60.8
Delta Grow 4970RR	73.1	77.5	74.7	55.6	46.9	56.1	63.3	70.2	68.7	•	•	•	54.8	54.6	62.0	56.8*	55.8	55.3	•	•	•	54.8	62.2	60.7
Delta Grow 4975RR	70.8	72.9	74.9	55.5	44.2	54.1	55.6	61.4	65.2	•	•	•	57.3	56.7	65.9	55.3	55.2	55.3	•	•	•	57.3	59.3	58.9
Dyna-Gro 33G48	72.8	75.0	•	55.0	48.8	•	57.4	65.8	•	•	•	•	60.0	57.8	•	56.3	59.7	•	•	•	•	60.0	60.4	60.3
Eagle Seed ES4777	74.6	74.8	73.7	49.2	45.6	53.8	58.1	64.7	66.6	•	•	•	59.1	58.5	62.3	49.4	52.8	53.8	•	•	•	59.1	57.8	58.1

2011 Full Season Roundup Ready Soybean Update

Table 2 Continued. Yields (bu/A) of Maturity Group IV Roundup Ready™ Soybean Cultivars at All Locations, 2011

Variety	Keiser Irrg	2yr Avg	3yr Avg	Keiser Non Irrg	2yr Avg	3yr Avg	Keiser DC Irrg	2yr Avg	3yr Avg	Marianna Irrg	2yr Avg	3yr Avg	Stuttgart Irrg	2yr Avg	3yr Avg	Rohwer Irrg	2yr Avg	3yr Avg	Kibler Irrg	2yr Avg	3yr Avg	Silt Loam Avg ²	Clay Avg ³	All Location Avg ⁴
Maturity Group IV Late (RM 4.7 to 4.9)																								
Eagle Seed ES4818	76.1	75.9	•	52.5	46.2	•	60.5	66.4	•	•	•	•	52.3	54.9	•	49.5	49.3	•	•	•	•	52.3	59.7	58.2
Eagle Seed ES4998	76.9	75.4	•	55.4	48.8	•	61.0	67.5	•	•	•	•	48.3	53.2	•	61.0	59.5	•	•	•	•	48.3	63.6	60.5
HBK R4729	70.7	66.5	65.4	48.4	43.9	50.7	50.2	55.0	59.5	•	•	•	57.0	55.4	63.5	46.4	47.2	•	•	•	•	57.0	53.9	54.5
HBK R4829	73.8	76.2	•	51.2	45.6	•	62.3	68.2	•	•	•	•	57.3	57.9	•	57.7	57.1	•	•	•	•	57.3	61.2	60.4
HBK R4924	73.0	74.3	70.7	52.8	45.7	52.4	58.8	66.6	63.2	•	•	•	59.9	58.3	61.1	48.7	51.5	53.1	•	•	•	59.9	58.3	58.6
Morsoy 4707	80.7	78.1	75.4	53.7	44.7	51.8	58.9	65.6	66.7	•	•	•	65.3	61.4	66.3	52.2	54.6	50.7	•	•	•	65.3	61.4	62.1
Morsoy 4824	78.5	77.5	76.3	54.6	45.8	54.5	64.6	67.9	71.4	•	•	•	64.2	59.5	66.2	55.1	57.7	•	•	•	•	64.2	63.2	63.4
Morsoy 4955	76.2	72.7	73.3	45.8	38.2	48.6	59.8	61.6	64.6	•	•	•	55.1	51.5	60.7	46.0	46.9	47.4	•	•	•	55.1	56.9	56.6
Morsoy Xtra 48X00	82.6	76.7	•	55.0	48.9	•	62.9	66.7	•	•	•	•	64.0	62.9	•	55.9	54.0	•	•	•	•	64.0	64.1	64.1
Morsoy Xtra 49X10	72.5	74.5	•	52.3	46.5	•	61.8	67.2	•	•	•	•	54.0	53.8	•	45.9	53.0	•	•	•	•	54.0	58.1	57.3
Pioneer 94Y70	78.2	77.8	75.0	57.1	47.0	53.2	62.9	66.7	66.8	•	•	•	67.1	65.4	69.6	53.9	55.1	53.4	•	•	•	67.1	63.0	63.8
Progeny 4750RR	78.5	77.8	•	57.5	48.5	•	63.6	71.9	•	•	•	•	58.2	58.4	•	58.9*	61.8	•	•	•	•	58.2	64.6	63.3
Progeny 4807RR	78.3	77.0	76.0	54.2	44.9	53.1	61.2	69.9	70.6	•	•	•	64.3	63.3	67.4	56.5	52.2	49.7	•	•	•	64.3	62.5	62.9
Progeny 4906RR	75.0	71.8	73.1	51.2	42.2	51.9	57.8	63.7	67.2	•	•	•	54.6	55.9	65.6	51.6	50.7	52.6	•	•	•	54.6	58.9	58.0
REV® 47R22™	77.6	76.5	•	55.9	47.2	•	62.2	67.5	•	•	•	•	63.4	61.8	•	53.3	55.7	•	•	•	•	63.4	62.3	62.5
REV® 48R10™	78.6	74.7	73.4	53.5	46.1	53.1	55.9	63.0	64.6	•	•	•	61.1	59.4	65.6	44.8	48.2	•	•	•	•	61.1	58.2	58.8
REV® 48R21™	72.0	70.5	•	55.3	45.6	•	59.1	61.1	•	•	•	•	59.5	57.6	•	46.3	49.4	•	•	•	•	59.5	58.1	58.4
REV® 48R22™	78.2	75.3	•	53.3	46.8	•	65.9*	72.6	•	•	•	•	65.9	62.2	•	48.3	55.4	•	•	•	•	65.9	61.4	62.3
REV® 49R10™	76.7	76.4	76.2	48.4	40.4	50.7	65.1	69.5	71.0	•	•	•	59.6	58.0	63.9	48.9	49.9	•	•	•	•	59.6	59.8	59.7
REV® 49R11™	76.1	72.3	70.7	50.8	40.7	47.7	65.7	69.4	65.2	•	•	•	70.6*	64.5	65.8	51.5	54.3	•	•	•	•	70.6	61.0	62.9
REV® 49R22™	73.5	72.4	•	50.4	43.4	•	63.7	68.2	•	•	•	•	60.1	58.1	•	46.6	47.0	•	•	•	•	60.1	58.6	58.9
Schillinger 478.RCS	79.5	75.3	75.5	50.6	44.8	54.3	59.1	63.2	65.9	•	•	•	70.6	60.7	65.2	49.2	50.5	50.8	•	•	•	70.6	59.6	61.8
Schillinger 495.RC	70.5	77.8	76.4	61.1*	49.9	57.8	62.2	64.4	67.3	•	•	•	55.9	58.3	63.7	53.6	56.2	53.7	•	•	•	55.9	61.8	60.6
Schillinger 4990.RC	70.2	73.0	71.9	53.6	45.1	55.3	57.5	68.2	70.2	•	•	•	50.7	53.2	59.0	49.7	54.6	•	•	•	•	50.7	57.7	56.3
Syngenta S47-R3 Brand	78.3	74.8	•	54.5	46.2	•	60.9	63.7	•	•	•	•	55.1	57.4	•	49.8	53.6	•	•	•	•	55.1	60.9	59.7
USG 7495nRS	76.5	72.6	73.1	46.2	40.3	50.4	61.5	61.4	65.4	•	•	•	56.5	52.6	61.5	47.3	48.5	49.3	•	•	•	56.5	57.9	57.6
USG 74A79R	81.9*	76.9	•	56.7	45.8	•	62.1	64.8	•	•	•	•	60.4	60.9	•	56.7	54.6	•	•	•	•	60.4	64.4	63.6
USG 74A91	78.8	74.9	75.5	52.4	44.6	53.3	58.5	65.6	65.7	•	•	•	53.8	55.5	64.7	47.3	49.2	52.5	•	•	•	53.8	59.3	58.2
USG 74E88	71.1	66.5	66.2	52.4	43.9	48.5	60.5	63.1	60.5	•	•	•	63.4	60.2	62.4	50.1	50.9	•	•	•	•	63.4	58.5	59.5
Willcross RR2477N	77.4	77.6	•	50.2	45.1	•	62.9	70.4	•	•	•	•	64.7	63.9	•	47.3	47.7	•	•	•	•	64.7	59.4	60.5
Willcross RR2878NS	70.6	68.6	67.6	51.9	46.3	49.2	60.1	67.4	64.4	•	•	•	65.9	59.1	60.0	53.0	51.1	•	•	•	•	65.9	58.9	60.3
Willcross RY2481S	80.3	75.4	•	56.7	46.7	•	61.6	65.5	•	•	•	•	66.4	64.9	•	49.7	51.5	•	•	•	•	66.4	62.1	63.0
GRAND MEAN	76.5	•	•	53.5	•	•	61.1	•	•	•	•	•	59.4	•	•	52.2	•	•	•	•	•	59.4	60.8	60.5
LSD (5%)	5.8	•	•	7.1	•	•	7.3	•	•	•	•	•	6.1	•	•	6.4	•	•	•	•	•	6.1	6.6	6.5
C.V.	4.7	•	•	8.2	•	•	7.4	•	•	•	•	•	6.3	•	•	7.5	•	•	•	•	•	6.3	7.0	6.8

2011 Full Season Roundup Ready Soybean Update

Table 3. Nematode, Disease, and Chloride Sensitivity Ratings for MG IV Roundup Ready™ Soybean Cultivars, 2011⁵

Variety	Root Knot Nematode ⁶	Soybean Cyst Nematode ⁷				Reniform Nematode	Frogeye	Stem Canker	SDS ⁸	Aerial Blight ⁸	Chloride ⁹	
		2	3	5	14						2010	2011
Armor DK 4744	•	•	•	•	•	•	•	•	•	•	•	•
Armor X1211	•	•	•	•	•	•	•	•	•	•	Includer	Includer
ASGROW AG4531	7	7	•	5	7	–	5	7	•	•	Includer	Includer
ASGROW AG4730	•	•	•	•	•	•	•	•	•	•	Includer	Includer
Davis D-147RRCNS	•	•	•	•	•	•	•	•	•	•	Includer	Includer
Davis D-149RRCNS	•	•	•	•	•	•	•	•	•	•	Mixed	Mixed
Delta Grow 4770RR	7	7	7	5	3	–	3	3 ^{\$}	3*	4	Includer	Includer
Delta Grow 4880RR	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
Delta Grow 4970RR	7	7	7	3	5	–	1	1 ^{\$}	7	8	Includer	Includer
Delta Grow 4975RR	7	7	5	5	3	–	3	3 ^{\$}	3*	4	Includer	Includer
Dyna-Gro 33G48	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
Dyna-Gro 35x43	7	7	•	5	7	–	5	1	•	•	Includer	Includer
Dyna-Gro 36C44	7	7	7	7	5	7	1	3	•	8	Includer	Includer
Eagle Seed ES4777	7	7	7	5	5	–	3	1 ^{\$}	•	8	Excluder	Mixed
Eagle Seed ES4818	•	•	•	•	•	•	•	•	•	•	Includer	Includer
Eagle Seed ES4998	•	•	•	•	•	•	•	•	•	•	Includer	Includer
HBK R4527	7	7	•	3	7	–	5	5	•	•	Includer	Includer
HBK R4729	5	7	7	5	5	7	4	1 ^{\$}	•	•	Excluder	Excluder
HBK R4829	•	•	•	•	•	•	•	•	•	•	Includer	Excluder
HBK R4924	7	7	7	3	5	–	2	1 ^{\$}	3	8	Includer	Includer
HBK RY4620	7	7	•	5	7	–	5	7	•	•	Includer	Includer
Morsoy 4707	7	7	7	7	7	–	2	1 ^{\$}	5*	6	Excluder	Mixed
Morsoy 4824	7	7	7	7	7	–	3	5 ^{\$}	•	•	Mixed	Mixed
Morsoy 4955	7	7	7	7	3	–	3	1 ^{\$}	3*	5	Includer	Includer
Morsoy Xtra 46X29	7	7	•	3	7	7	5	9	•	•	Includer	Includer
Morsoy Xtra 48X00	•	•	•	•	•	•	•	•	•	•	Includer	Includer
Morsoy Xtra 49X10	•	•	•	•	•	•	•	•	•	•	Includer	Includer
Pioneer 94Y40	7	7	8	5	3	–	5	3	•	•	Includer	Includer
Pioneer 94Y70	7	7	8	7	3	–	1	1~	3*	8	Excluder	Includer
Progeny 4510RY	7	7	•	5	7	–	5	7	•	•	Includer	Includer
Progeny 4750RR	•	•	•	•	•	•	•	•	•	•	Mixed	Mixed
Progeny 4807RR	7	7	7	5	3	–	1	1 ^{\$}	•	4	Mixed	Mixed
Progeny 4906RR	7	7	7	5	5	–	3	5~	•	4	Includer	Mixed

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Table 3 Cntd. Nematode, Disease, and Chloride Sensitivity Ratings for MG IV Roundup Ready™ Soybean Cultivars, 2011⁵

Variety	Root Knot Nematode ⁶	Soybean Cyst Nematode ⁷				Reniform Nematode	Frogeye	Stem Canker	SDS ⁸	Aerial Blight ⁸	Chloride ⁹	
		2	3	5	14						2010	2011
REV® 44R22™	7	5	•	5	7	–	1	1	•	•	Excluder	Excluder
REV® 45R10™	7	5	•	7	5	–	5	1	•	•	Includer	Includer
REV® 47R22™	•	•	•	•	•	•	•	•	•	•	Includer	Includer
REV® 48R10™	7	7	3	7	1	7	3	1 ^{\$}	•	•	Mixed	Excluder
REV® 48R21™	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
REV® 48R22™	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
REV® 49R10™	7	7	7	3	7	7	2	1 ^{\$}	•	•	Includer	Includer
REV® 49R11™	7	7	3	5	3	7	2	1 ^{\$}	•	•	Mixed	Excluder
REV® 49R22™	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
Schillinger 457.RCP	•	•	•	•	•	–	•	•	•	•	Excluder	Excluder
Schillinger 458.RCS	•	•	•	•	•	–	•	•	•	•	Includer	Includer
Schillinger 478.RCS	7	7	7	7	3	–	4	1 ^{\$}	•	8	Includer	Includer
Schillinger 495.RC	7	7	5	7	3	–	1	1 ^{\$}	5*	4	Includer	Includer
Schillinger 4990.RC	7	7	5	7	3	7	1	–	•	•	Includer	Includer
Syngenta S47-R3 Brand	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
USG 7495nRS	7	7	3	5	3	–	3	1~	3*	4	Includer	Mixed
USG 74A79R	7	7	7	5	5	7	3	–	•	•	Includer	Includer
USG 74A91	7	7	7	5	7	–	3	5~	5*	8	Includer	Includer
USG 74C69	7	7	•	7	7	–	1	1	•	•	Excluder	Excluder
USG 74E88	7	7	7	5	3	7	3	–	•	•	Mixed	Mixed
Willcross RR2477N	7	7	5	5	5	7	1	–	•	•	Includer	Includer
Willcross RR2878NS	7	7	3	7	3	–	4	–	•	•	Excluder	Excluder
Willcross RY2460S	7	7	•	5	7	–	4	9	•	•	Includer	Includer
Willcross RY2481S	•	•	•	•	•	•	•	•	•	•	Includer	Includer

Table 4. Agronomic Characteristics for MG IV Roundup Ready™ Soybean Cultivars, 2011

Variety	MG	STS	Herbicide Tolerance	Flower Color	Pubescence	Pod Color	Hilum Color	Avg. Days to Maturity ¹⁰	Avg. Lodging Score ¹¹	Avg. Shatter Score ¹²	Avg. Plant Ht.(in) ¹³
Armor DK 4744	4.7	Yes	RR2	•	•	•	•	125	1.1	1.1	38
Armor X1211	4.9	No	RR1	•	•	•	•	127	1.0	1.0	38
ASGROW AG4730	4.7	Yes	RR2	•	•	•	•	122	1.1	1.0	39
Davis D-147RRCNS	4.7	Yes	RR1	•	•	•	•	125	1.0	1.0	35
Davis D-149RRCNS	4.9	Yes	RR1	•	•	•	•	125	1.3	1.0	44
Delta Grow 4770RR	4.7	Yes	RR1	Purple	Tawny	Brown	Black	123	1.3	1.1	37
Delta Grow 4880RR	4.8	No	RR1	•	•	•	•	125	1.8	1.1	39
Delta Grow 4970RR	4.9	No	RR1	Purple	Tawny	Brown	Black	127	1.7	1.0	42
Delta Grow 4975RR	4.9	No	RR1	Purple	Tawny	Tan	Black	126	1.4	1.0	41
Dyna-Gro 33G48	4.8	No	RR1	•	•	•	•	126	1.7	1.0	40
Eagle Seed ES4777	4.7	No	RR1	White	•	Tan	•	126	1.1	1.0	39
Eagle Seed ES4818	4.8	No	RR1	•	•	•	•	128	1.3	1.0	42
Eagle Seed ES4998	4.9	No	RR1	•	•	•	•	123	1.4	1.1	38
HBK R4729	4.7	No	RR1	Purple	Tawny	•	Brown	123	1.3	1.0	36
HBK R4829	4.8	No	RR1	•	•	•	•	126	1.4	1.0	38
HBK R4924	4.9	No	RR1	Purple	Light Tawny	Brown	Brown	128	1.2	1.0	42
Morsoy 4707	4.7	No	RR1	Purple	Tawny	Brown	Black	125	1.0	1.0	39
Morsoy 4824	4.8	No	RR1	Purple	Light Tawny	•	Black	126	1.1	1.0	40
Morsoy 4955	4.9	No	RR1	Purple	Gray	Tan	Imp.Bl.	128	1.5	1.1	37
Morsoy Xtra 48X00	4.8	Yes	RR2	•	•	•	•	125	1.1	1.0	37
Morsoy Xtra 49X10	4.9	No	RR2	•	•	•	•	125	1.3	1.1	39
Pioneer 94Y40	4.4	NO	RR1	Purple	Light Tawny	•	Black	124	1.3	1.0	41
Progeny 4750RR	4.7	No	RR1	•	•	•	•	126	1.7	1.1	40
Progeny 4807RR	4.8	No	RR1	Purple	Tawny	•	Black	125	1.0	1.1	41
Progeny 4906RR	4.9	No	RR1	Purple	Tawny	Tan	Black	126	1.3	1.0	41
REV® 47R22™	4.7	No	RR1	•	•	•	•	125	1.6	1.1	40
REV® 48R10™	4.8	No	RR1	White	Light Tawny	•	Black	125	1.1	1.3	37
REV® 48R21™	4.8	No	RR1	•	•	•	•	126	1.1	1.0	38
REV® 48R22™	4.8	No	RR1	•	•	•	•	123	1.3	1.0	37
REV® 49R10™	4.9	No	RR1	White	Light Tawny	•	Brown	125	1.7	1.1	48
REV® 49R11™	4.9	No	RR1	White	Tawny	•	Black	122	1.0	1.3	36
REV® 49R22™	4.9	No	RR1	•	•	•	•	125	1.3	1.1	39
Schillinger 478.RCS	4.7	Yes	RR1	Purple	Light Tawny	•	Black	127	1.1	1.0	38
Schillinger 495.RC	4.9	No	RR1	Purple	Light Tawny	•	Black	127	1.5	1.0	44
Schillinger 4990.RC	4.9	No	RR1	Purple	Light Tawny	•	Black	127	1.4	1.0	40
Syngenta S47-R3	4.7	No	RR1	•	•	•	•	126	1.3	1.0	43
USG 7495nRS	4.9	Yes	RR1	Purple	Gray	Tan	Imp.Bl.	127	1.3	1.1	40
USG 74A79R	4.7	No	RR2	Purple	Light Tawny	•	Black	125	1.1	1.0	37
USG 74A91	4.9	No	RR1	Purple	Light Tawny	Tan	Black	127	1.3	1.0	43
USG 74E88	4.8	Yes	RR1	White	Tawny	•	Black	123	1.0	1.1	38
Willcross RR2477N	4.7	No	RR1	Mixed	Light Tawny	•	Black	125	1.0	1.0	36
Willcross RR2878NS	4.7	Yes	RR1	White	Tawny	•	Black	123	1.1	1.1	41
Willcross RY2481S	4.8	No	RR2	•	•	•	•	126	1.0	1.0	36

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Table 5. Yields (bu/A) of Maturity Group V Roundup Ready™ Soybean Cultivars at All Locations, 2011

Variety	Keiser Irrg	2yr Avg	3yr Avg	Keiser Non Irrg	2yr Avg	3yr Avg	Keiser DC Irrg	2yr Avg	3yr Avg	Marianna Irrg	2yr Avg	3yr Avg	Stuttgart Irrg	2yr Avg	3yr Avg	Rohwer Irrg	2yr Avg	3yr Avg	Kibler Irrg	2yr Avg	3yr Avg	Silt Loam Avg ²	Clay Avg ³	All Location Avg ⁴
.....bu/A.....																								
Maturity Group V Early (RM 5.0 to 5.5)																								
AGS 554 RR	74.3	66.2	68.0	54.7	46.0	52.8	51.8	63.4	65.5	49.9	51.0	49.1	55.3	56.0	61.0	49.4	54.8	58.5	41.9	41.8	51.4	49.0	57.5	53.9
Armor 53-R15	80.1	72.7	•	55.8	45.3	•	58.7	67.1	•	56.3	58.4	•	51.8	54.3	•	47.0	47.8	•	47.1	47.8	•	51.7	60.4	56.7
Armor DK 5363	71.2	58.9	64.3	62.0	51.3	54.9	51.4	58.2	61.3	53.8	54.0	54.4	61.7	61.4	64.3	45.8	46.3	50.3	50.1	46.0	53.9	55.2	57.6	56.5
Delta Grow 5280RR	74.5	68.6	72.3	55.2	45.6	54.8	52.4	62.7	64.4	52.0	52.2	52.5	55.2	53.8	60.1	52.4	51.7	54.5	39.7	42.6	50.9	49.0	58.6	54.5
Delta Grow 5555RR	78.8	71.4	73.0	65.0*	54.7	60.8	54.6	62.5	63.9	47.9	50.5	50.5	51.3	53.8	62.1	43.1	46.6	50.9	48.0	50.2	57.0	49.0	60.3	55.5
Dyna-Gro 35F55	72.9	67.9	70.1	60.6	51.2	58.9	45.8	56.2	58.3	50.9	51.9	50.5	55.8	57.2	61.7	41.8	50.4	54.8	46.7	47.1	56.4	51.1	55.3	53.5
Dyna-Gro 35P53	78.2	72.3	•	64.9	54.9	•	46.2	57.9	•	45.1	50.7	•	53.7	58.4	•	45.2	46.4	•	48.8	48.1	•	49.2	58.6	54.6
Dyna-Gro 37RY52	74.8	71.0	•	56.3	46.0	•	55.6	64.4	•	52.5	55.4	•	49.1	54.8	•	46.0	48.4	•	52.5	48.4	•	51.4	58.2	55.2
Eagle Seed ES5507	74.8	69.1	69.0	56.4	48.8	55.2	49.3	60.4	61.7	53.4	52.6	51.9	50.1	49.8	56.0	43.0	45.6	47.9	45.3	45.2	52.2	49.6	55.9	53.2
HBK R5226	70.8	66.9	71.2	55.0	47.2	55.0	50.2	60.8	62.5	52.7	53.7	55.1	57.4	55.7	60.3	50.2	52.7	58.1	45.6	46.7	55.1	51.9	56.5	54.5
HBK R5525	68.3	62.8	66.7	56.5	47.2	54.3	53.7	61.7	62.5	45.6	48.4	49.6	59.2	54.4	60.8	50.4	54.2	58.3	49.0	46.2	53.8	51.2	57.2	54.6
HBK R5529	79.2	73.1	•	61.7	49.7	•	54.1	60.8	•	56.1	58.8	•	70.2	64.5	•	55.4	58.3	•	45.3	42.9	•	57.2	62.6	60.3
HBK RY5220	73.5	70.2	•	53.1	44.5	•	57.9	63.5	•	47.0	50.6	•	61.9	60.1	•	48.9	48.1	•	49.4	45.3	•	52.8	58.4	56.0
Morsoy 5168	77.0	70.3	71.1	57.0	46.3	55.0	57.3	61.1	61.7	51.1	52.8	49.4	56.5	55.0	59.5	46.5	44.6	46.1	42.8	39.6	50.2	50.1	59.4	55.4
Morsoy 5388	79.9	72.7	73.0	50.8	43.0	52.3	56.8	63.4	65.5	48.7	52.1	56.2	56.6	55.7	58.5	49.1	51.9	55.6	48.8	44.9	54.5	51.4	59.2	55.8
Morsoy 5429	82.1*	72.5	75.6	60.3	50.1	59.2	58.5	65.7	69.2	51.2	57.4	56.8	67.9	63.5	68.9	50.5	54.8	60.1	46.1	44.8	54.5	55.1	62.9	59.7
Pioneer 95Y40	79.3	70.8	74.1	60.6	48.9	57.4	56.7	62.8	66.4	55.9	58.5	55.5	64.6	58.1	65.3	50.4	53.6	57.2	43.4	40.7	48.9	54.6	61.8	58.7
Progeny 5210RY	76.8	72.4	•	56.2	48.3	•	58.2	66.6	•	56.0	57.1	•	48.2	53.6	•	48.1	49.1	•	42.1	43.5	•	48.7	59.8	55.1
Progeny 5330RR	75.1	69.7	•	58.8	52.7	•	50.3	65.1	•	53.6	54.6	•	56.4	55.5	•	45.2	48.0	•	42.5	43.9	•	50.8	57.4	54.6
REV® 54R10™	71.3	66.0	70.0	59.9	48.6	57.0	45.5	58.9	60.7	53.8	55.1	55.1	59.5	53.4	60.4	45.0	47.6	53.3	44.1	48.9	55.4	52.4	55.4	54.1
REV® 55R21™	68.7	62.6	•	59.3	51.2	•	45.9	56.3	•	45.8	50.4	•	49.5	50.9	•	36.1	39.5	•	40.7	40.0	•	45.3	52.5	49.4
Schillinger 557.RC	75.5	67.9	•	60.1	50.5	•	56.1	61.8	•	55.0	56.7	•	53.8	52.9	•	43.7	47.4	•	46.5	46.1	•	51.8	58.9	55.8
USG 7553nRS	76.4	68.0	69.9	56.4	46.2	54.5	56.7	61.0	64.3	51.4	54.0	51.8	62.9	57.6	61.9	45.4	46.7	52.3	49.7	47.3	55.4	54.7	58.8	57.0
USG 75Z38	77.3	70.6	•	60.0	48.2	•	50.1	63.3	•	48.9	48.2	•	57.6	55.8	•	52.3	54.0	•	50.0	46.2	•	52.2	59.9	56.6
Willcross RR2507NS	75.0	69.0	•	51.5	40.6	•	56.1	62.2	•	52.3	58.1	•	54.6	54.2	•	46.6	48.7	•	40.9	40.4	•	49.3	57.3	53.8
Willcross RR2544NS	77.5	73.1	73.6	58.4	48.2	54.6	62.3	65.9	67.4	59.1	58.3	54.9	64.2	56.1	62.0	50.1	50.6	55.3	54.6	50.0	56.4	59.3	62.1	60.9
Willcross RR2547N	69.9	70.6	68.7	54.8	48.2	52.9	63.9	68.3	66.3	42.2	48.9	48.7	61.7	62.8	62.2	44.9	48.2	51.8	45.1	43.6	50.1	49.7	58.4	54.6
GRAND MEAN	75.9	•	•	57.2	•	•	55.0	•	•	52.2	•	•	56.9	•	•	47.5	•	•	46.1	•	•	51.7	58.9	55.8
LSD (5%)	7.7	•	•	6.9	•	•	7.2	•	•	8.6	•	•	5.4	•	•	6.1	•	•	6.8	•	•	6.9	7.0	6.9
C.V.	6.3	•	•	6.0	•	•	8.1	•	•	10.2	•	•	5.8	•	•	7.9	•	•	9.0	•	•	8.3	7.1	7.6

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Table 5 Cntd. Yields (bu/A) of Maturity Group V Roundup Ready™ Soybean Cultivars at All Locations, 2011

Variety	Keiser Irrg	2yr Avg	3yr Avg	Keiser Non Irrg	2yr Avg	3yr Avg	Keiser DC Irrg	2yr Avg	3yr Avg	Marianna Irrg	2yr Avg	3yr Avg	Stuttgart Irrg	2yr Avg	3yr Avg	Rohwer Irrg	2yr Avg	3yr Avg	Kibler Irrg	2yr Avg	3yr Avg	Silt Loam Avg ²	Clay Avg ³	All Location Avg ⁴
Maturity Group V Late (RM 5.6 to 5.9)																								
AGS 568RR	75.2	69.4	69.7	62.2	51.6	57.7	60.0	64.8	66.1	47.0	52.3	52.5	56.1	54.3	60.8	48.8	50.7	54.7	48.1	41.9	50.8	50.4	61.5	56.8
AGS 597RR	74.0	71.4	71.0	69.4*	57.1	63.9	56.9	67.9	68.2	49.0	53.3	54.2	54.4	54.6	61.0	44.5	47.4	55.6	49.9	46.7	54.8	51.1	61.2	56.9
Progeny 5610RY	81.7	74.6	•	64.2	54.1	•	63.3*	72.0	•	45.4	52.4	•	62.0	58.2	•	51.4	52.6	•	54.4*	47.9	•	53.9	65.1	60.3
REV® 56R21™	77.7	73.2	•	64.8	53.5	•	53.4	61.4	•	45.1	50.9	•	66.2	61.1	•	55.7*	56.6	•	52.9	50.8	•	54.7	62.9	59.4
REV® 57R21™	78.5*	74.2	•	61.1	49.7	•	58.6	65.1	•	50.8*	53.4	•	74.2*	64.5	•	51.1	54.5	•	52.6	49.2	•	59.2	62.3	61.0
USG 75J90R	73.8	69.8	•	58.7	49.7	•	56.5	62.2	•	40.2	49.2		59.0	56.6	•	54.7	57.8	•	52.6	48.7	•	50.6	60.9	56.5
USG 75Z98	73.4	71.7	71.9	63.5	52.9	59.4	52.1	64.2	63.7	49.5	52.1	52.9	56.0	56.2	63.3	48.7	52.6	58.2	53.1	46.3	54.6	52.9	59.4	56.6
GRAND MEAN	77.3	•	•	60.1	•	•	57.2	•	•	45.5	•	•	59.7	•	•	48.0	•	•	51.5	•	•	52.2	60.7	57.1
LSD (5%)	9.4	•	•	6.7	•	•	8.8	•	•	7.7	•	•	5.8	•	•	5.4	•	•	4.3	•	•	5.9	7.6	6.9
C.V.	7.3	•	•	6.7	•	•	9.3	•	•	10.2	•	•	5.8	•	•	6.7	•	•	5.0	•	•	7.0	7.5	7.3

Table 6. Nematode, Disease, and Chloride Sensitivity Ratings for MG VV Roundup Ready™ Soybean Cultivars, 2011⁵

Variety	Root Knot Nematode ⁶	Soybean Cyst Nematode ⁷				Reniform Nematode	Frogeye	Stem Canker	SDS ⁸	Aerial Blight ⁸	Chloride ⁹	
		2	3	5	14						2010	2011
AGS 554 RR	1	5	7	7	5	7	1	—	•	•	Excluder	Excluder
AGS 568RR	3	5	5	5	7	—	1	1~	1	4	Excluder	Excluder
AGS 597RR	7	7	7	5	5	7	2	—	•	•	Excluder	Excluder
Armor 53-R15	•	•	•	•	•	•	•	•	•	•	Includer	Includer
Armor DK 5363	•	•	•	•	•	•	•	•	•	•	•	•
Delta Grow 5280RR	1	7	5	7	5	—	1	—	•	•	Excluder	Excluder
Delta Grow 5555RR	7	7	7	5	7	—	2	3~	3*	6	Mixed	Mixed
Dyna-Gro 35F55	7	7	7	7	7	7	2	7~	•	5	Mixed	Mixed
Dyna-Gro 35P53	•	•	•	•	•	•	•	•	•	•	Includer	Includer
Dyna-Gro 37RY52	•	•	•	•	•	•	•	•	•	•	Includer	Includer
Eagle Seed ES5507	3	7	7	5	3	7	2	—	•	•	Includer	Includer
HBK R5226	3	3	7	5	5	—	1	1 ^s	7*	8	Excluder	Excluder
HBK R5525	3	7	5	3	5	—	2	7~	•	5	Excluder	Excluder
HBK R5529	•	•	•	•	•	•	•	•	•	•	Includer	Includer
HBK RY5220	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
Morsoy 5168	7	3	5	3	5	—	4	1 ^s	5*	8	Includer	Includer
Morsoy 5388	7	5	3	5	3	—	2	1~	3*	8	Excluder	Includer
Morsoy 5429	3	5	5	5	5	7	1	—	•	•	Excluder	Excluder
Pioneer 95Y40	7	5	5	7	3	—	3	1~	3*	6	Excluder	Excluder
Progeny 5210RY	•	•	•	•	•	•	•	•	•	•	Includer	Includer
Progeny 5330RR	7	7	3	7	3	—	2	1~	5*	8	Includer	Mixed
Progeny 5610RY	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
REV® 54R10™	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
REV® 55R21™	•	•	•	•	•	•	•	•	•	•	Excluder	Includer
REV® 56R21™	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
REV® 57R21™	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
Schillinger 557.RC	•	3	3	5	7	7	—	2	—	4	Includer	Mixed
USG 7553nRS	7	5	5	3	3	—	3	—	3*	•	Excluder	Excluder
USG 75J90R	•	•	•	•	•	•	•	•	•	•	Excluder	Excluder
USG 75Z38	•	•	•	•	•	•	•	•	1~	5	Excluder	Excluder
USG 75Z98	•	•	•	•	•	•	•	1~	•	8	Excluder	Excluder
Willcross RR2507NS	•	•	•	•	•	•	•	•	•	•	Mixed	Mixed
Willcross RR2544NS	7	5	3	5	5	7	3	—	•	•	Excluder	Excluder
Willcross RR2547N	7	5	5	7	5	7	1	—	•	•	Includer	Mixed

Table 7. Agronomic Characteristics for MG V Roundup Ready™ Soybean Cultivars, 2011

Variety	MG	STS	Herbicide Tolerance	Flower Color	Pubescence	Pod Color	Hilum Color	Avg. Days to Maturity ¹⁰	Avg. Lodging Score ¹¹	Avg. Shatter Score ¹²	Avg. Plant Ht. (in) ¹³
AGS 554 RR	5.5	No	RR1	Purple	Tawny	•	Black	131	1.1	1.1	35
AGS 568RR	5.6	No	RR1	Purple	Tawny	Tan	Black	131	1.0	1.1	35
AGS 597RR	5.9	No	RR1	White	Gray	•	Black	132	1.3	1.1	38
Armor 53-R15	5.3	No	RR2	•	•	•	•	128	1.1	1.0	34
Armor DK 5363	5.3	No	RR1	•	•	•	•	132	1.4	1.1	36
Delta Grow 5280RR	5.2	No	RR1	Purple	Tawny	•	Black	131	1.3	1.0	35
Delta Grow 5555RR	5.5	No	RR1	Purple	Gray	Brown	Imp Black	131	1.6	1.1	36
Dyna-Gro 35F55	5.5	No	RR1	Purple	Gray	Tan	•	131	1.5	1.0	36
Dyna-Gro 35P53	5.3	No	RR1	•	•	•	•	129	1.3	1.1	35
Dyna-Gro 37RY52	5.2	No	RR2	•	•	•	•	128	1.3	1.0	34
Eagle Seed ES5507	5.5	No	RR1	White	•	•	•	132	1.2	1.1	40
HBK R5226	5.2	No	RR1	Purple	Tawny	Tan	Black	131	1.4	1.0	33
HBK R5525	5.5	No	RR1	White	Tawny	Tan	Brown	131	1.0	1.1	34
HBK R5529	5.5	No	RR1	•	•	•	•	130	1.2	1.0	32
HBK RY5220	5.2	No	RR2	•	•	•	•	127	1.1	1.0	36
Morsoy 5168	5.1	No	RR1	White	Gray	Tan	Buff	127	1.4	1.1	44
Morsoy 5388	5.3	No	RR1	Purple	Gray	Tan	Buff	125	1.1	1.1	38
Morsoy 5429	5.4	No	RR1	White	Tawny	•	Black	129	1.1	1.0	37
Pioneer 95Y40	5.4	No	RR1	White	Tawny	Tan	Black	127	1.0	1.0	33
Progeny 5210RY	5.2	No	RR2	•	•	•	•	128	1.2	1.0	34
Progeny 5330RR	5.3	No	RR1	•	•	•	•	128	1.4	1.1	38
Progeny 5610RY	5.6	No	RR2	•	•	•	•	129	1.1	1.0	36
REV® 54R10™	5.4	No	RR1	•	•	•	•	128	1.8	1.1	37
REV® 55R21™	5.5	Yes	RR1	•	•	•	•	131	1.0	1.1	36
REV® 56R21™	5.6	No	RR1	•	•	•	•	128	1.4	1.1	36
REV® 57R21™	5.7	No	RR1	•	•	•	•	129	1.4	1	41
Schillinger 557.RC	5.5	No	RR1	Purple	Gray	•	Imp Black	129	1.0	1.0	34
USG 7553nRS	5.5	Yes	RR1	White	Gray	Brown	Buff	128	1.0	1.1	35
USG 75J90R	5.9	No	RR2	•	•	•	•	128	1.2	1.0	35
USG 75Z38	5.9	No	RR1	White	Gray	Tan	Buff	131	1.2	1.0	35
USG 75Z98	5.9	No	RR1	White	Gray	Tan	Buff	132	1.5	1.0	36
Willcross RR2507NS	5	Yes	RR1	•	•	•	•	127	1.5	1.1	45
Willcross RR2544NS	5.4	Yes	RR1	White	Gray	•	Buff	126	1.0	1.0	35
Willcross RR2547N	5.4	No	RR1	White	Gray	•	Mixed	130	1.4	1.1	48

2011 Full Season Roundup Ready Soybean Update

Key Codes for All Tables

- “ ” **No disease data available**
“ - ” **Information not available**
“ \$ ” **Information provided by Mississippi State University**

1. Many of the test yields this year are lower than expected due to extended periods of hot and dry weather.
Keiser Irrigated = Northeast Research and Extension Center
Keiser Non-Irrigated = Northeast Research and Extension Center
Keiser Double-Crop = Northeast Research and Extension Center
Marianna Irrigated = Lon Mann Cotton Research Station
Stuttgart Irrigated = Rice Research and Extension Center – Stuttgart Division
Rohwer Irrigated = Southeast Research and Extension Center – Rohwer Division
Kibler Irrigated = Vegetable Research Station
2. Average yield of Marianna Irrigated, Stuttgart Irrigated and Kibler Irrigated.
3. Average yield of Keiser Irrigated, Keiser Non-Irrigated, Keiser Double-Crop and Rohwer Irrigated locations.
4. Average yields from All Locations.
5. Soybean disease and nematode ratings were conducted by Drs. Kirkpatrick and Monfort with support from the Arkansas Soybean Promotion Board. Disease ratings are characterized by the following scale:

0-1 = Resistant 2-3 = Moderately Resistant 4-5 = Moderately Susceptible
6-7 = Susceptible 8-9 = Very Susceptible

Additional soybean disease data can be accessed at the following website:
<http://comp.uark.edu/~avrtest/index.php?sb&content>
6. Root-knot nematode ratings refer to the Southern Root-Knot Nematode, *Meloidogyne incognita* (see <http://comp.uark.edu/~avrtest/index.php?sb&content> for additional information on experimental methods.)
7. Ratings for soybean cyst nematode were evaluated at the Southwest Research and Extension Center, Hope. Only races 2, 3, 5 and 14 are currently being evaluated.
8. Ratings for SDS and Aerial Blight are from 2009 data.
9. Chloride Sensitivity – Excluder varieties accumulate chloride and restrict it to the roots. Includer varieties accumulate chloride throughout the plants. Varieties with a Mixed population have both Includer and Excluder plants. Don't assume that high soluble salts constitute a chloride ion problem. Chloride levels should be determined by irrigation water tests and/or plant tissue analysis.
10. Days to maturity represent the average number of days (of all locations) from planting until 80% of the soybeans in the plot were thought to be mature.
11. Soybean lodging is an average of all locations and is reported using the following criteria: **1** = all plants erect, **2** = all plants slightly leaning or a few plants down, **3** = all plants moderately leaning or 25-50% of the plants are down, **4** = all plants considerably leaning or 50-80% of the plants are down, **5** = all plants down.
12. Soybean shattering is an average of all locations and is reported by using the following criteria: **1** = no shattering, **2** = 1-3% shattered, **3** = 4-8% shattered, **4** = 9-19% shattered, **5** = 20% or more shattered.
13. Soybean plant height reported in inches and is an average of all locations.

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