

# 2011 Kentucky Soybean Performance Tests

*Claire Venard, Eugene Lacefield, Kolter Kalberg, and William Bruening, Department of Plant and Soil Sciences*

The Kentucky Soybean Variety Performance Tests are conducted to provide an unbiased, objective estimate of the relative performance of soybean varieties in Kentucky. This information may be used by growers and seed producers to aid in selecting varieties that will give the highest total production in a specific situation. Soybean cultivars were entered by soybean growers, commercial companies, and state and federal institutions.

Twenty soybean tests were planted in 2011 in Kentucky at the five test locations shown below. Soil types, planting dates, and other information are shown in Table 1.

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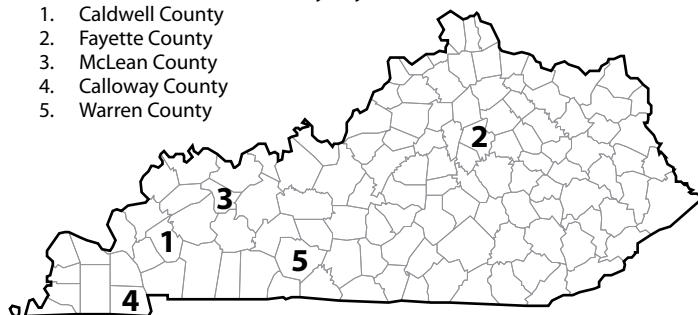
## Soybean Variety Performance Tests Website

The Kentucky Grain Crops website (<http://www.uky.edu/Ag/GrainCrops/varietytesting.htm>) provides links to all Kentucky variety test publications and related resources. This site includes a link to the Soybean Variety Performance Tests website (<http://www.ca.uky.edu/pss/index.php?p=663>), which has the following features:

- 2011 Kentucky Soybean Variety Performance Tests (this publication) and archived reports in PDF format
- Archived tables by year in Excel format
- Current year preliminary test results – posted as harvested
- ListServ signup form to receive emails when the preliminary tables are posted
- Nomination form, cover letter, and instructions for next season test entries

### Location of the 2011 Kentucky Soybean Tests

1. Caldwell County
2. Fayette County
3. McLean County
4. Calloway County
5. Warren County



**Seed Source Information on page 4.**

**Table 1. Location, Planting, and Climatic data for the 2011 Kentucky Soybean Variety Performance Tests.**

Test	Site	Extension agent	Soil Type	Date of Planting	Soil Test	Fertilizer Applied <sup>A</sup>	50% Chance of killing Frost <sup>B</sup>
Caldwell County	Princeton Exp. Station University of Kentucky		Crider Silt Loam	6/1	P n/a K n/a pH 6.2	none	10/21
Calloway County	Murray State University		Calloway Silt Loam	5/31	P 106 K 186 pH 6.3	none	10/30
Fayette County	Lexington Exp. Station University of Kentucky		Maury Silt Loam	5/12	P 383 K 297 pH 5.9	3 ton lime	10/26
McLean County	Richard Smith Farm	Greg Henson	Karnak Silt Loam	6/8	P n/a K n/a pH n/a	none	10/22
Warren County	Western Kentucky University		Pembroke Silt Loam	5/30	P n/a K n/a pH n/a	none	10/21

<sup>A</sup> Amount per acre

<sup>B</sup> Based on 30-years average

## Methods

All tests were planted in a randomized complete block design by maturity group. The tests (Tables 6-10) had two replications (plots) of each variety. The individual plots were 20 feet long and six rows wide with 16 inches between rows (seeding rate: five to six viable seeds per foot of row). All plots were treated with herbicides and maintained as weed-free as possible. All plots were chemically end-trimmed to 16 feet approximately one month after planting.

Seed source information is located on page 4. Companies could choose to treat their seed with fungicides and insecticides. Table 4 presents treatment data and code numbers for each treatment. The treatment code number for each variety is provided in column one of Tables 5-10.

Harvesting was done with a small plot combine according to maturity; thus, several harvests were made at each location. Sixteen feet of the four center rows were harvested from the plots.

**Yield**—Yield is reported in bushels (60 pounds) per acre adjusted to 13% moisture. An electronic moisture monitor located on the combine was used for moisture readings for each plot.

**Lodging**—Lodging is rated on a scale of 1 to 5, where 1 = almost all plants erect; 2 = all plants over slightly or a few down; 3 = all plants over moderately or 25% down; 4 = all plants over considerably or 50% to 80% down; 5 = 80% to all plants down.

**Maturity date**—A variety is considered mature when 95% of the pods have ripened. One to two weeks of good drying weather may be needed beyond the date given before the beans will be ready to combine. Maturity dates were recorded at the Fayette County location.

**Plant height**—Plant height was measured in inches from the soil surface to the tip of the main stem. Plant height was recorded at the Fayette County location.

**Protein, Oil**—Variety protein and oil concentration were determined at the Fayette County location and expressed on the basis of 13% moisture.

## Interpretation

An important step in profitable soybean production is selecting good-quality seeds of the best varieties for each management system. The Kentucky Soybean Performance Tests are conducted to provide information useful in making this selection.

Performance of soybean varieties is affected by many factors, including year, location, soil type, and time of planting. A particular soybean variety is adapted for full-season growth in a band approximately 100 miles wide from north to south. Thus, the best variety in Northern Kentucky may not be the best in southern areas. For this reason, the Kentucky Soybean Performance Tests are conducted at several locations in the major soybean-producing areas of the state. The yields as reported in this publication should be used for relative comparisons; actual yields on a grower's farm may be different.

Performance of soybean varieties will vary from year to year and location to location depending on adaptability, weather conditions, and management. The data presented in the Table 5 summary have been averaged across years and locations, and it is recommended as the table to use for evaluating variety performance. Performance of a variety across a period of years and at several locations in the state is the best indicator of its production potential. (See the University of Kentucky publication *Agronomy Notes*, Volume 21, No. 3, "Using Performance Test Results in Soybean Variety Selection in Kentucky.")

Small differences in yield usually are of little importance. The yield of two varieties at a single location can differ because of chance factors (difference in soil characteristics, fertility, or availability of moisture), although the inherent yielding ability is the same. To decide if an observed yield difference is real, use the least-significant difference (LSD) values cited at the bottom of each maturity group. The significance level used in the tables is 0.10. If the difference in yield between two varieties is greater than the LSD value, it is reasonable to assume that the varieties do differ in yielding ability.

Yield is only one factor to consider in selecting a variety for your production system. Maturity, lodging resistance, disease resistance, and availability of time

and equipment are other factors that need to be considered. The economic management and control of weeds are additional factors to consider.

Varieties with oil and protein levels that are eligible for premium prices are available in some markets. Oil and protein levels are influenced by variety and weather (primarily temperature) during seed filling. (See UK's *Corn & Soybean Newsletter*, Volume 6, Issue 1, "Soybean Oil and Protein.") We recommend that growers create a list of varieties that meet their needs for agronomic characteristics: yield, maturity group, soybean cyst nematode resistance, etc. Then, using the protein and oil data from Table 5, they should remove from consideration the varieties with below-average oil percentages from their list and select from the remaining ones those that have the highest average protein concentration. This approach should give a variety that has the best chance of producing acceptable yield and meeting the oil and protein standards.

The data provided have been divided into maturity groups based on the information provided by the seed sources. Due to weather patterns at a location, maturity alone can affect yield; this impact will be reflected by large differences in the maturity group averages. Selecting varieties from several maturity groups can reduce the impact of these maturity group fluctuations. (See UK's *Agronomy Notes*, Volume 25, No. 3, "Growing Soybean Varieties from Multiple Maturity Groups Can Reduce Yearly Yield Volatility.")

The date of a 50% chance of a fall killing frost is important in determining which variety you select to plant. The dates presented in Table 1 are average dates over a long term. Actual dates will vary from year to year. The date of a one-year-out-of-10 chance of a fall killing frost is determined by subtracting 13 to 18 days from the dates provided in Table 1. For maximum yield, a variety must mature before the first killing frost in the fall. The relative maturity for each variety is found in Table 3.

In case of known soybean cyst nematode (SCN) problems, a resistant variety (indicated by a "\*" prefix) should be used in the production system with a recommended crop rotation program. (See Kentucky Cooperative Extension Service publication PPA-42: *Soybean Cyst Nematode*, available at both county Extension

offices and on the Grain Crops website.) The importance of resistant varieties has increased as the number of acres affected by SCN has increased. SCN occurs in 32 Western Kentucky counties, representing 90% of the state's soybean acreage. Low levels of SCN show few visible symptoms but can cause yield losses of up to 25%.

The level of SCN infestation as well as the SCN race can be determined through the SCN laboratory at the UK Research and Education Center at Princeton. Fields should be tested for SCN. Contact the county Extension offices for more information on collecting and submitting samples.

Soybean mosaic virus (SMV) may cause yield loss if soybean plants are infected prior to flowering. Due to the timing of insect populations that transmit the disease, double-cropped soybeans are more likely to be affected in Kentucky. Planting SMV-resistant varieties will help eliminate this possible yield loss. However, only a few varieties have been evaluated for SMV resistance. Check the column "Company Disease-Resistance Specifications" in Table 3 for SMV resistance ratings.

Table 5, consisting of a summary of the five full-season tests, is recommended for selecting varieties for maximum yield in double-crop systems and in full-season systems in Kentucky. Better yielding full-season varieties are also the better-yielding double-crop varieties (Pfeiffer, Todd 1987. Applied Agricultural Research, Vol. 2, No. 3, pp. 141-145). The full-season environment that maximizes gain is a better indicator of performance than late-planted soybeans that have reduced yields. The data from three full-season tests, analyzed across years and locations (Table 5), predict performance of a variety more accurately than a single, full-season, or double-crop test.

## Growing Conditions and Special Circumstances

May 2011 was the 11th wettest May on record. Conditions started off dry. For two weeks in the middle of the month, rainfall was just below normal before wet conditions returned for the last week. The temperature for May was near normal, with no killing frost. June also was a wetter-than-normal month. The month started off dry and hot, but conditions

changed quickly over the next two weeks with temperatures at right or just below seasonal average. July in contrast was one of the warmest on record with an average temperature of 80 degrees statewide, 4 degrees above normal. In addition to the heat, the humidity also was oppressive. Rainfall was scattered across the state. Soybeans, and other crops, were stressed. August had a near-normal temperature and was below normal for rainfall. 31% of the state was in moderate drought, and 4% experienced severe drought (<http://www.wagwx.ca.uky.edu/annual.shtml>). By mid-August, soybeans were behind the five-years' average in their growth stage. September started with high temperatures in the upper 90s and even 100s, but the condition changed abruptly. Remnants of Tropical Storm Lee brought several inches of rainfall and much lower temperatures, with an average of 66 degrees for the month. October started wet and cool, but warmed and dried for the next two weeks with temperature 4 degrees above normal and rainfall near normal. For Kentucky, soybean production was forecast at 57.3 million bushels, up 21% above 2010 levels. Average state yield was forecast at 39 bushels per acre,

5 bushels above 2010 ([http://www.nass.usda.gov/Statistics\\_by\\_State/Kentucky/Publications/Agri-News/oct130.pdf](http://www.nass.usda.gov/Statistics_by_State/Kentucky/Publications/Agri-News/oct130.pdf)).

## Soybean Production Information

The Kentucky Cooperative Extension Service has a series of publications, Soybean Production in Kentucky, which contains a more detailed discussion of soybean production practices:

- AGR-128: Status, Uses, and Planning (Part I)
- AGR-129: Seed Selection, Variety Selection, and Fertilization (Part II)
- AGR-130: Planting Practices and Double Cropping (Part III)
- AGR-131: Weed, Disease, and Insect Control (Part IV)
- AGR-132: Harvesting, Drying, Storage, and Marketing (Part V).

These publications, including PPA-42, Soybean Cyst Nematode, and the Corn & Soybean Newsletter are available online at the Grain Crops website (<http://www.uky.edu/Ag/GrainCrops/varietytesting.htm>). Table 2 is an updated planting guide for your convenience.

**Table 2A. Full-season Soybeans.**

Target Stand plants/acre	Standard Germination	Assumed Stand Loss	Final Seeding rate seeds/acre	Row spacing (inches)		
				7.5	15	30
				Seeds per foot		
100,000	95%	5%	110,803	1.6	3.2	6.4
		10%	116,959	1.7	3.4	6.7
		20%	131,579	1.9	3.8	7.6
		30%	150,376	2.2	4.3	8.6
	90%	5%	116,959	1.8	3.4	6.7
		10%	123,457	1.8	3.5	7.1
		20%	138,889	2.0	4.0	8.0
		30%	158,730	2.3	4.6	9.1
	85%	5%	123,839	1.8	3.6	7.1
		10%	130,719	1.9	3.8	7.5
		20%	147,059	2.1	4.2	8.4
		30%	168,067	2.4	4.8	9.6

**Table 2B. Double-crop Soybeans.**

Target Stand plants/acre	Standard Germination	Assumed Stand Loss	Final Seeding rate seeds/acre	Row spacing (inches)		
				7.5	15	30
				Seeds per foot		
140,000	95%	5%	155,125	2.2	4.5	8.9
		10%	163,743	2.3	4.7	9.4
		20%	184,211	2.6	5.3	10.6
		30%	210,526	3.0	6.0	12.1
	90%	5%	163,743	2.3	4.7	9.4
		10%	172,840	2.5	5.0	9.9
		20%	194,444	2.8	5.6	11.2
		30%	222,222	3.2	6.4	12.8
	85%	5%	173,375	2.5	5.0	10.0
		10%	183,007	2.6	5.3	10.5
		20%	205,882	3.0	5.9	11.8
		30%	235,294	3.4	6.8	13.5

For additional research on seeding rates, see the Corn & Soybean News, Volume 6, Issue 2, "Soybean Population and Yield" and the "Soybean Seed Rates" Volume 7, Issue 4, "Soybean Seed Rates." The most recent research suggests that a final stand of 100,000 plants per acre is more than adequate for maximum yields in full-season soybeans. Seeding rates should be based on standard germination rate as well as expected stand losses. Stand losses are typically more severe in damp, cool conditions with heavy residue or with soil crusting. Stand losses typically decrease with warm conditions and adequate soil moisture.

## Kentucky State Seed Law

The Kentucky State Seed Law requires all seed exposed, offered for sale, or sold in Kentucky to be labeled as to a) kind and variety for each agricultural seed component present in excess of 5% of the whole and b) the percentage by weight of each component. All soybean seed blends should be labeled as to the percentage of each variety that makes up the mixture. All soybean seed must be labeled by variety name; the term "variety unknown" may no longer be used in place of a variety designation for soybeans.

## Acknowledgments

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## Contact

Claire Venard, Ph.D.  
 N-122 Agriculture Science Center North  
 University of Kentucky  
 Lexington, KY 40546-0091  
 Email: [claire.venard@uky.edu](mailto:claire.venard@uky.edu)  
 Phone: 859-257-2993 (office)  
 859-492-1135 (cell)  
 Fax: 859-323-1952

## Sources of Seeds

The seeds planted in the 2011 Soybean Performance Tests were acquired from the following sources:

### Armor Seed

Scottie Blanchard.....870-579-2286  
 P.O. Box 178, Fisher, AR 72429  
[scottieblanchard@armorseed.com](mailto:scottieblanchard@armorseed.com)  
 ARMOR 39-R16                    ARMOR X1206  
 ARMOR 46-R42                ARMOR X1208  
 ARMOR 48-R40                ARMOR X1209  
 ARMOR X1201                ARMOR X1210  
 ARMOR X1203                ARMOR X1211  
 ARMOR X1204                ARMOR X1247

### Beck's Superior Hybrids, Inc.

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[dougcb@beckshybrids.com](mailto:dougcb@beckshybrids.com)  
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 BECK 456NL                BECK 495NR

### Bio Gene Seeds

Drew Lawwill.....888-862-3276  
 5477 Tri-county Hwy, Sardinia, OH 45171-9709  
[drew@biogeneseeds.com](mailto:drew@biogeneseeds.com)  
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 BIOGENE BG 7420            BIOGENE BG 7460  
 BIOGENE BG 7421

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 CAVERNDALE CF 506 RR2Yn

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[david.haines@channelbio.com](mailto:david.haines@channelbio.com)  
 CHANNEL 3701R2            CHANNEL 4405R2  
 CHANNEL 4205R2            CHANNEL 4505R2

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 201 Deer Run Road, Cadiz, KY 42211  
[aeplymale@landolakes.com](mailto:aeplymale@landolakes.com)  
 CROPLAN GENETICS RC4417  
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[MHayes2@dow.com](mailto:MHayes2@dow.com)  
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 DELTA GROW 4880 RR  
 DELTA GROW 4970 RR  
 DELTA GROW 4975 RR  
 DELTA GROW 5110 RR2  
 DELTA GROW 5160 RR/STS  
 DELTA GROW 5252 RR2  
 DELTA GROW 5275 RR2  
 DELTA GROW 5280 RR  
 DELTA GROW 5300 RR/STS  
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 DELTA GROW 5555 RR  
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 DELTA GROW 5656 RR2

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 DYNA-GRO 32RY39            DYNA-GRO 38RY45  
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 HORNBECK HBK R4729  
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 L&M GLICK 412R2            L&M GLICK 843R  
 L&M GLICK 55N

### LG Seeds

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 22827 Shissler Road, Elmwood, IL 61529  
[jesse.grogan@lgseeds.com](mailto:jesse.grogan@lgseeds.com)  
 LG SEEDS C4625R2

### Monsanto Company

Todd Ladd.....270-498-4297  
 36 Rhett Blvd, Cadiz KY 42211  
[james.todd.ladd@monsanto.com](mailto:james.todd.ladd@monsanto.com)  
 ASGROW AG3832            ASGROW AG4531  
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**Pfister Seeds LLC**

Matthew Weishaupt.....309-527-6000  
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 mlweishaupt@pfisterseeds.com

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**Southern States Cooperative**

Howard Tabor.....804-281-1203  
 P.O. Box 26234, Richmond, VA 23260  
 howard.tabor@sscoop.com

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 SOUTHERN STATES LL 499N  
 SOUTHERN STATES LL 511N  
 SOUTHERN STATES RT 3971N  
 SOUTHERN STATES RT 4370N  
 SOUTHERN STATES RT 4470N STS  
 SOUTHERN STATES RT 4760N  
 SOUTHERN STATES RT 4808N STS  
 SOUTHERN STATES RT 4996N STS  
 SOUTHERN STATES RT 5160N STS  
 SOUTHERN STATES SS 3712N R2  
 SOUTHERN STATES SS 3811N R2  
 SOUTHERN STATES SS 385  
 SOUTHERN STATES SS 3910N R2  
 SOUTHERN STATES SS 3911N R2  
 SOUTHERN STATES SS 4312N R2  
 SOUTHERN STATES SS 435  
 SOUTHERN STATES SS 4510N R2  
 SOUTHERN STATES SS 4700N R2  
 SOUTHERN STATES SS 4711N R2  
 SOUTHERN STATES SS 5111N R2  
 SOUTHERN STATES SS 5112N R2  
 SOUTHERN STATES SS 5311N R2  
 SOUTHERN STATES SS 5312N R2

**Stewart Seeds**

Paul Brautigam.....800-365-7333  
 2230 E. Co. Rd. 300N, Greensburg, IN 47240  
 paul.brautigam@stewartseeds.com

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 STEWART 3800R2 STEWART 4509R2  
 STEWART 4012R2 STEWART 4512R2  
 STEWART 4212R2 STEWART 4712R2

**Steyer Seeds**

Joe Steyer.....800-231-4274  
 6154 North County Road 33, Tiffin, OH 44883  
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 STEYER 4430RR STEYER 4701R2  
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Brian Hartman.....314-707-6826  
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STINE 3900-2 STINE 47RC32  
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 hnorth@strattonseed.com

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 SCHILLINGER SEED 495.RC  
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 S42-T4 BRAND S49-A5 BRAND  
 S44-D5 BRAND

**Terral Seeds, Inc.**

Larry Mullen.....318-231-8811  
 P.O. Box 826, Lake Providence, LA 71254  
 lmullen@terralseed.com

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 REV 44R22 REV 48R22 REV 49R43  
 REV 45R10 REV 48R33 REV 51R53  
 REV 47R53 REV 49R11 REV 55R21  
 REV 48R10

**UniSouth Genetics, Inc.**

Stacy Burwick.....800-505-3133  
 3205-C Highway 46S, Dickson, TN 37055  
 sburwick@usgseed.com

UNISOUTH GENETICS USG ALLEN  
 UNISOUTH GENETICS 74H81  
 UNISOUTH GENETICS USG 5002T  
 UNISOUTH GENETICS USG 5601T  
 UNISOUTH GENETICS USG 73H77  
 UNISOUTH GENETICS USG 74A45  
 UNISOUTH GENETICS USG 74A91  
 UNISOUTH GENETICS USG 74B58  
 UNISOUTH GENETICS USG 74F11R  
 UNISOUTH GENETICS USG 74G99L  
 UNISOUTH GENETICS USG 75B21R  
 UNISOUTH GENETICS USG 75R31R

**University of Arkansas**

Dr. Pengyin Chen  
 Luciano Jauregui.....479-575-5732  
 115 Plant Science Building, Fayetteville, AR 72701  
 ljaureg@uark.edu

UNIVERSITY OF ARKANSAS OSAGE  
 UNIVERSITY OF ARKANSAS OZARK  
 UNIVERSITY OF ARKANSAS UA4910

**University of Missouri**

Dr. Grover Shannon.....573-379-5431  
 147 State Hwy T, Portageville, MO 63873  
 shannong@missouri.edu  
 University of Missouri S08-15072

**U.S. Seeds**

Monty Malone.....870-336-0111  
 1690 Jasmine, Conway, AR 72034  
 mmalone@hornbeckag.com

HALO 4: 65 HALO 4: 94  
 HALO 4: 75 HALO 5: 25

**USDA-ARS**

Prakash Arelli  
 Lisa Fritz.....731-425-4736  
 605 Airways Blvd, Jackson, TN 38301  
 lisa.fritz@ars.usda.gov  
 USDA-ARS JTN-5203

**VCIA/VATECH**

Ted Lewis.....804-333-3485  
 2229 Menokin Road, Warsaw, VA 22572  
 tedr19@vt.edu

GLENN HANOVER

**Other**

ESSEX (long term check-released 1974)  
 PENNYRILE (long term check-released 1987)

**Table 3. Company Disease Resistance Specifications for Entries in the 2011 Kentucky Soybean Performance Tests.<sup>A</sup>**

Type	Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B,C</sup>		Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
				Resistance Gene Rps	Field Tolerance				
R2Y	ARMOR 39-R16	3.9	3, 14	1c	MT	MR			
R2Y	ARMOR 46-R42	4.4	3, 14	1c	MS	MR		R	R-ROOT KNOT NEMATODE, SALT EXCLUDER
R2Y	ARMOR 48-R40	4.8		1c	MT	MR		MR	
R2Y	ARMOR X1201	3.9	3, 14	1a	MT	MR			
R2Y	ARMOR X1203	3.9	3	1k	MT	MR			
R2Y	ARMOR X1204	4.4	3, 14		MT	MS			
R2Y	ARMOR X1206	4.4	3, 14	1c	MT	MS		R	R-FROGEYE LEAF SPOT
R2Y	ARMOR X1208	4.7	3, 14	1c	MS	MS		R	MR-FROGEYE LEAF SPOT
R2Y	ARMOR X1209	4.7	3, 14	1c	MT	MS		MR	MR-FROGEYE LEAF SPOT
RR	ARMOR X1210	4.8	3	1k	MT	MR		R	
RR	ARMOR X1211	4.9	5		MT	MR		R	
R2Y	ARMOR X1247	4.7		1c	MT	MR			MR-FROGEYE LEAF SPOT
R2Y	ASGROW AG3832	3.8	3	1c	T	MR		R	
R2Y	ASGROW AG3931	3.9	3		MS	MR		MR	
R2Y	ASGROW AG3932	3.9	3	1k	MT	MR			
R2Y/STS	ASGROW AG4031	4.0	3		MS	MR		S	
R2Y	ASGROW AG4032	4.0	3		MT	MR			
R2Y/STS	ASGROW AG4232	4.2	3	1a	MT	MS		R	
R2Y/STS	ASGROW AG4531	4.5		1c	MS	MR		S	
R2Y	ASGROW AG4632	4.6	3		T	MS		MR	
R2Y	ASGROW AG4732	4.7	3	1c	MT	MS		MR	
R2Y	ASGROW AG4832	4.8	3	1c	MT	MS		MR	
R2Y	ASGROW AG4932	4.9	3	1c	MT	MR		MR	
R2Y	ASGROW AG5232	5.2	3	1c	T	MS		MR	
LL	BECK 426NL	4.2	3, 14		MT	MR	MR	MR	
RR	BECK 432NR <sup>TM*</sup>	4.3	3, 14	1k	MT	MR	MR	MR	SALT EXCLUDER
LL	BECK 456NL	4.5	3, 14	1c	MT	MR	MR	MR	
LL	BECK 476NL	4.7	3, 14		MT	MR	MR	MR	MR-FROGEYE LEAF SPOT
RR	BECK 477NR <sup>TM*</sup>	4.7	3, 14		MT	MR	MR	MR	MR-FROGEYE LEAF SPOT
RR	BECK 495NR <sup>TM*</sup>	4.6	3, 14	1k	MT	MR	MR	MR	
R2Y	BIOGENE BG 7391	3.9	3, 14	1c	MT	MR	MR	S	
R2Y	BIOGENE BG 7420	4.1	3, 14		MT	MR	MR	S	
R2Y	BIOGENE BG 7421	4.2	3, 14	1a	MT	MR	MR	S	
R2Y	BIOGENE BG 7450	4.5	3, 14		MT	MR	MR	S	
R2Y	BIOGENE BG 7460	4.6	3, 14	1c	MT	MR	MR	MR	
R2Y	CAVERNDALE CF 386 RR2Yn	3.8	3, 14	1c, 1d	T	MR	MR	MR	
LL	CAVERNDALE CF 411 LLn	4.1	3, 14		T	MR	MR	MR	
CONV	CAVERNDALE CF 434 STSn	4.3	3, 14	1k	T	MR	MR	MR	
R2Y	CAVERNDALE CF 436 RR2Yn	4.3	3, 14	1c	MT	MR	MR	MR	
LL	CAVERNDALE CF 465 LLn	4.6	3, 14		MT	MR	MR	MR	
R2Y	CAVERNDALE CF 476 RR2Yn	4.7	3, 14	1c	MT	MR	MR	MR	MR-FROGEYE LEAF SPOT
LL	CAVERNDALE CF 505 LLn	5.0	3, 14		MT	MR	MR	MR	
R2Y	CAVERNDALE CF 506 RR2Yn	5.0	3		T		MR	R	
R2Y	CHANNEL 3701R2	3.7	3, 14	1c	MT	MR			
R2Y	CHANNEL 4205R2	4.2	3, 14	1a	T	MR			
R2Y	CHANNEL 4405R2	4.4	3, 14	1a	MT	MS			R-FROGEYE LEAF SPOT
R2Y	CHANNEL 4505R2	4.5	3, 14	1c	MT	MR			
RR	CROPLAN GENETICS RC4417	4.4	3	1c	T	MR	MR	S	MR-FROGEYE LEAF SPOT
RR	CROPLAN GENETICS RC4877	4.8	3	1c	MT	MR	MR	MR	
R2Y	CROPLAN GENETICS RR2C4660	4.6	3, 14		MT	MR	MR	R	
R2Y	DAIRYLAND DSR-3805/R2Y	3.8	3	1c					
R2Y	DAIRYLAND DSR-4141/R2Y	4.1	3						
R2Y	DAIRYLAND DSR-4242/R2Y	4.2	3	1k					
RR	DAIRYLAND DSR-4300/RR	4.3	3	1c					R-ROOT KNOT NEMATODE, SALT EXCLUDER
RR/STS	DAIRYLAND DSR-4500/RRSTS	4.5	3						
RR	DAIRYLAND DSR-4810/RR	4.8	3	1c					
RR	DAIRYLAND DSR-8482/RR	4.8	3	1k					
R2Y	DAIRYLAND DST38-002/R2Y	3.8	3	1c					
R2Y	DAIRYLAND DST43-001/R2Y	4.3	3						
R2Y	DAIRYLAND DST45-001/R2Y	4.5	3	1c					
R2Y	DAIRYLAND DST45-002/R2Y	4.5	3	1k					
R2Y	DAIRYLAND DST47-002/R2Y	4.7	3	1c					R-FROGEYE LEAF SPOT
R2Y	DELTA GROW 4670 RR2	4.6	3, 9, 14	1c	T	MR		R	
RR	DELTA GROW 4770 RR	4.7	3, 14		MT	MR		MR	R-FROGEYE LEAF SPOT
LL	DELTA GROW 4861 LL	4.8	3, 9, 14	1k	MT	MS		R	
R2Y	DELTA GROW 4875 RR2	4.8	3, 14	1c	T	MS		R	R-FROGEYE LEAF SPOT
RR	DELTA GROW 4880 RR	4.8	3, 9, 14	1k	T	MR	MR	R	R-FROGEYE LEAF SPOT
RR	DELTA GROW 4970 RR	4.9	3, 14	1k	MT	MR	MR	MR	
RR	DELTA GROW 4975 RR	4.9	5	1a	T	R	MR	MR	
R2Y	DELTA GROW 5110 RR2	5.1			MT	MR		S	
RR/STS	DELTA GROW 5160 RR/STS	5.1	3, 6, 14		MT	MR	MR	MR	
R2Y	DELTA GROW 5252 RR2	5.2	2, 3, 9, 14		T	R	MR	R	
R2Y	DELTA GROW 5275 RR2	5.2	3, 9, 14	1c	MT	MS		MR	
RR	DELTA GROW 5280 RR	5.2	3, 14		MT	MR		MR	
RR/STS	DELTA GROW 5300 RR/STS	5.3	2, 3, 6, 9, 14	1c	MT	MR		MR	
LL	DELTA GROW 5461 LL	5.4	3	1k	MT	MR	MR	MR	MR-FROGEYE LEAF SPOT
RR	DELTA GROW 5545 RR	5.5			MT	MR	MR	MR	R-FROGEYE LEAF SPOT
RR	DELTA GROW 5555 RR	5.5	1, 3, 5, 9		MT	MR	MR	MR	MR-FROGEYE LEAF SPOT
R2Y	DELTA GROW 5565 RR2	5.5	3, 14	1c	MT	MR	MR	R	MR-FROGEYE LEAF SPOT
R2Y	DELTA GROW 5656 RR2	5.6		1c	MT	MS	MR	MR	
R2Y	DYNA-GRO 31RY45	4.5	3, 14	1c	MT	MS		R	
R2Y	DYNA-GRO 32RY39	3.9	3, 14	1c	MT	MR			
R2Y	DYNA-GRO 33RY47	4.7	3, 14	1c	MT	MR		R	MR-FROGEYE LEAF SPOT
LL	DYNA-GRO 34LL37	3.4	3, 14	1k	MT	MR		MR	
R2Y	DYNA-GRO 37RY39	3.9	3, 14		MT	MR			

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**Table 3. Company Disease Resistance Specifications for Entries in the 2011 Kentucky Soybean Performance Tests.<sup>A</sup>**

Type	Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B,C</sup>		Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
				Resistance Gene Rps	Field Tolerance				
R2Y/STS	DYNA-GRO 37RY47	4.7		1c	MT	R		S	
R2Y	DYNA-GRO 38RY45	4.5	3, 14	1c	MT	MR		R	
RR	DYNA-GRO 39D48	4.8	3	1c	MT	MR		R	
R2Y	DYNA-GRO 39RY43	4.3	3, 14	1c	MT	MR			R-ROOT KNOT NEMATODE
RR/STS	DYNA-GRO V42N9RS	4.2	3, 14		MT	MR		R	
CONV-P	ESSEX (long term check-released 1974)	5.0							
CONV-P	GLENN	5.3							R-FROGEYE LEAF SPOT
LL	HALO 4: 65	4.6	3	1c		MR		R	
LL	HALO 4: 75	4.7							
LL	HALO 4: 94	4.9	3	1k		MR		R	
LL	HALO 5: 25	5.2	3		MT	MR		R	
CONV-P	HANOVER	4.9	4						
RR	HORNBECK HBK R4729	4.7			T			MR	
RR	HORNBECK HBK R4829	4.8	3	1k		MR		R	MR-FROGEYE LEAF SPOT, MT-CHARCOL ROT
RR	HORNBECK HBK R4830	4.8			MS		S	R	MR-FROGEYE LEAF SPOT, MT-CHARCOL ROT
RR	HORNBECK HBK R4924	4.9	3, 14			MR	R	R	
R2Y	HORNBECK HBK RY4620	4.6		1c		R		R	
R2Y	HORNBECK HBK RY5220	5.2	3, 14		T			R	
R2Y	L&M GLICK 412R2	4.1	3, 14	1k		MS			
CONV	L&M GLICK 55N	4.1	3	1c	MT				
RR	L&M GLICK 843R	4.3	3		MT	MR			
R2Y	LG SEEDS C4625R2	4.6		1c	MT	MR	MR	MR	
CONV-P	PENNYRILE (long term check-released 1987)	4.7							
R2Y	PFISTER 38R25	3.8	3	1c	MT	MR			
R2Y	PFISTER 43R29	4.3	3	1c	MT	MR			
R2Y	PFISTER 45R23	4.5	3	1c	MT	MR			
R2Y	PFISTER 47R24	4.7	3	1c	MT	MR			
RR	PIONEER VARIETY 93Y82	3.8	3		MT	MR			
CONV	PIONEER VARIETY 93Y83	3.8	3	1c	MT	MR			
RR	PIONEER VARIETY 93Y92	3.9	3		MS	MR			
RR	PIONEER VARIETY 94Y20	4.2	3	1k	MT	MR			
CONV	PIONEER VARIETY 94Y21	4.2	3, 14	1c	MT	MR			
RR	PIONEER VARIETY 94Y22	4.2	3	1c	MS	MR			
RR	PIONEER VARIETY 94Y40	4.4	3	1k	MS	MR			MS-FROGEYE LEAF SPOT
RR	PIONEER VARIETY 94Y50	4.5	3, 14		MT	MR			
RR	PIONEER VARIETY 94Y60	4.6	3	1k	MS	R		MR	
RR	PIONEER VARIETY 94Y61	4.6	3, 14	1a	MT	MR			R-FROGEYE LEAF SPOT
RR	PIONEER VARIETY 94Y70	4.7	3		MT	MR		MR	
RR	PIONEER VARIETY 95Y10	5.1	3, 14	1a	MT				
R2Y	PROGENY 3911 RY	3.9		1c		R		R	
R2Y	PROGENY 4211 RY	4.2	3, 14		T	MR			
R2Y	PROGENY 4510 RY	4.5			T	R		S	
R2Y	PROGENY 4611 RY	4.6	3, 14	1c		MS		R	MR-FROGEYE LEAF SPOT
R2Y	PROGENY 4710 RY	4.7	3, 14			MR		S	
RR	PROGENY 4750 RR	4.7	3	1k				S	
RR	PROGENY 4807 RR	4.8	3			MR		MR	MR-FROGEYE LEAF SPOT, MT-CHARCOL ROT
R2Y	PROGENY 4811 RY	4.8		1c		MS		R	MR-FROGEYE LEAF SPOT, MT-CHARCOL ROT
RR	PROGENY 4906 RR	4.9		1a		MR		S	
RR	PROGENY 4908 RR	4.9				MR		MR	
CONV	PROGENY 4910	4.9	3, 14			S		R	
R2Y	PROGENY 4911 RY	4.9				MR		S	
LL	PROGENY 4928 LL	4.9	3	1k					
RR	REV 38R10	3.8	3	1k	MT	R			
RR	REV 44R22	4.4		1c	MT	MR			S-FROGEYE LEAF SPOT
RR	REV 45R10	4.5	3	1k	MT	MR			
RR	REV 47R53	4.7		1k	MT			MR	
RR	REV 48R10	4.8	3	1k	MT	MR			MT-CHARCOL ROT
RR	REV 48R21	4.8		1k					MR-FROGEYE LEAF SPOT, MT-CHARCOL ROT
RR	REV 48R22	4.9			MT	MR			
RR	REV 48R33	4.8	3		MT	MR			MT-CHARCOL ROT
RR	REV 49R11	4.9	3	1k	MT	MR		MR	
RR	REV 49R22	4.9			MT	MR			
RR	REV 49R43	4.9	3	1k	MT	MR			
RR	REV 51R53	5.1			MT	MR			
RR	REV 55R21	5.5	3	1c	MT	MR			
RR	S39-A3 BRAND	3.9	3, 14		MT	R		S	
R2Y	S39-U2 BRAND	3.9	3, 14		MT	R		S	
R2Y	S42-T4 BRAND	4.2	3, 14		MS	R		R	
RR	S44-D5 BRAND	4.4	3, 14	1c	MS	MR		R	MR-FROGEYE LEAF SPOT
R2Y	S46-A1 BRAND	4.6	3, 14		MS	MR		R	MR-FROGEYE LEAF SPOT
RR	S47-R3 BRAND	4.7	3, 14	1c	MS	R		R	
RR	S49-A5 BRAND	4.9	3, 14	1c	MT	R		R	
RR	SCHILLINGER SEED 457.RCP	4.5	3	1c	T	MS	S	R	
RR	SCHILLINGER SEED 458.RCS	4.6	3		T	MS	S	R	
RR	SCHILLINGER SEED 478.RCS	4.7	3		T	MS	S	R	MR-FROGEYE LEAF SPOT
RR	SCHILLINGER SEED 495.RC	4.9	3		T	MS	S	R	
RR	SCHILLINGER SEED 4990.RC	4.9	3		T	MS	S	R	
RR	SCHILLINGER SEED 557.RC	5.5	3		T	MS	S	R	
RR	SEED CONSULTANTS SCS 9351RR™	3.5	3, 14	1k	MT	MR			
RR	SEED CONSULTANTS SCS 9360RR™	3.6		1k, 3a	MT	MR			
RR	SEED CONSULTANTS SCS 9362RR™	3.6	3, 14		MT	MR			
RR	SEED CONSULTANTS SCS 9370RR™	3.7	3, 14	1a	MT	MR			

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Type	Variety / Brand	Relative Maturity Group	Soybean Cyst Nematode Resistance	Phytophthora sojae <sup>B,C</sup>		Sudden Death Syndrome <sup>C</sup>	Soybean Mosaic Virus <sup>C</sup>	Stem Canker <sup>C</sup>	Other Reported Resistance
				Resistance Gene Rps	Field Tolerance				
RR	SEED CONSULTANTS SCS 9381RR <sup>TM</sup>	3.8	3, 14	1k	MT	MR			
RR	SEED CONSULTANTS SCS 9390RR <sup>TM</sup>	3.9	3, 14	1k	MT	MR			
RR	SEED CONSULTANTS SCS 9392RR <sup>TM</sup>	3.9	3, 14	1k	MT	MR			
RR/STS	SEED CONSULTANTS SCS 9421RR <sup>TM</sup>	4.2	3, 14	1k	MT	MR			
RR	SEED CONSULTANTS SCS 9450RR <sup>TM</sup>	4.5	3, 14	1k	MT	MR		MR	
RR	SEED CONSULTANTS SCS 9472RR <sup>TM</sup>	4.7	3, 14		MT	MR			
RR	SEED CONSULTANTS SCS 9480RR <sup>TM</sup>	4.8	3, 14		MT	MR		MR	S-FROGEYE LEAF SPOT, MT-CHAR-COL ROT
LL	SOUTHERN STATES LL 396N	3.9	3, 14		MT	R			R-FROGEYE LEAF SPOT, R-GREEN STEM
LL	SOUTHERN STATES LL 430N	4.3	3, 14	1c	MT	MR			R-ROOT KNOT NEMATODE
LL	SOUTHERN STATES LL 450N	4.5	3, 14		MT	MR			
R2Y	SOUTHERN STATES LL 491N	4.9	3, 14		T	MR		R	
LL	SOUTHERN STATES LL 499N	4.9	3, 14		MT	MR			
LL	SOUTHERN STATES LL 511N	5.1	3, 14	1k	T	R			
RR	SOUTHERN STATES RT 3971N	3.9	3, 14	1c	T	MR			MT-ROOTKNOT NEMATODE
RR	SOUTHERN STATES RT 4370N	4.3	3, 14	1c	MT	MR			
RR	SOUTHERN STATES RT 4470N STS	4.4	3, 14	1c	MT	MR			R-FROGEYE LEAF SPOT
RR	SOUTHERN STATES RT 4760N	4.7	3, 14	1c	T	MS			
RR/STS	SOUTHERN STATES RT 4808N STS	4.8	3, 14	1a	T	R			
RR/STS	SOUTHERN STATES RT 4996N STS	4.9	3, 14	1c	MT	MR			
RR/STS	SOUTHERN STATES RT 5160N STS	5.1	3	1c	MT	MR		R	
EXP R2Y	SOUTHERN STATES SS 3712N R2	3.7	3, 14		T	MR			
R2Y	SOUTHERN STATES SS 3811N R2	3.8	3, 14		MT	MR		MR	
CONV	SOUTHERN STATES SS 385	3.8	3, 14	1a	T	R		MR	
R2Y	SOUTHERN STATES SS 3910N R2	3.9	3, 14		MT	MR			R-FROGEYE LEAF SPOT
R2Y	SOUTHERN STATES SS 3911N R2	3.9	3, 14		T	MR		MR	R-SHATTERING
EXP R2Y	SOUTHERN STATES SS 4312N R2	4.3	3, 14		T	MR			R-ROOT KNOT NEMATODE
CONV	SOUTHERN STATES SS 435	4.3	3, 14	1c	T	R	MR	MR	
R2Y	SOUTHERN STATES SS 4510N R2	4.5	3, 14		MT	R			
R2Y	SOUTHERN STATES SS 4700N R2	4.7	3, 14	1c	T	MS			
R2Y	SOUTHERN STATES SS 4711N R2	4.7	3, 14	1c	T		MR	MR	
EXP R2Y	SOUTHERN STATES SS 5111 R2	5.1	3, 14			MR		MR	
EXP R2Y	SOUTHERN STATES SS 5112 R2	5.1	3, 14	1c	MT	MR		MR	
R2Y	SOUTHERN STATES SS 5311N R2	5.3	3, 14		MT	MR		R	MR-FROGEYE LEAF SPOT
R2Y	SOUTHERN STATES SS 5312N R2	5.3	3		MT	R		S	MR-FROGEYE LEAF SPOT
R2Y	STEWART 3412R2	3.4	3, 14	1c	MT	MR			
R2Y	STEWART 3800R2	3.8	3, 14	1c	MT	MR		MR	
R2Y	STEWART 4012R2	4.0	3, 14		MT	MR			R-FROGEYE LEAF SPOT
R2Y	STEWART 4212R2	4.2	3, 14	1a	MT	MR			R-ROOT KNOT NEMATODE
R2Y	STEWART 4412R2	4.4	3, 14	1c	MT	MR			MS-FROGEYE LEAF SPOT
R2Y	STEWART 4509R2	4.5	3, 14	1c	MT	MR		MR	
R2Y	STEWART 4512R2	4.5	3, 14	1c	MT	MS		MR	
R2Y	STEWART 4712R2	4.7	3, 14	1c	MT	MS		R	
R2Y	STEYER 4203R2	4.2	3, 14	1c	MT	MR	MR	MR	R-ROOT KNOT NEMATODE
RR	STEYER 4430RR	4.4	3, 14		MT	MR	MR	MR	R-FROGEYE LEAF SPOT
R2Y	STEYER 4501R2	4.5	3, 14	1c	MT	MR	MR	MR	
R2Y	STEYER 4502R2	4.5	3, 14	1c	MT	MR	MR	MR	
R2Y	STEYER 4701R2	4.7	3, 14	1c	MT	MR	MR	MR	
CONV	STINE 3900-2	3.9	3, 14	1a	MT				R-FROGEYE LEAF SPOT
R2Y	STINE 40RC32	4.0	3, 14	1a	MT				
R2Y	STINE 45RC32	4.5	3, 14	1k	MT				
R2Y	STINE 47RC32	4.7	3, 14	1k	MT				
R2Y	STINE 48RC32	4.8	3, 14	1a, 1c	MT			R	
CONV	UNISOUTH GENETICS USG 5002T	5.0						R	
CONV	UNISOUTH GENETICS USG 5601T	5.6				MR	R		
RR/STS	UNISOUTH GENETICS USG 73H77	3.7	3, 14	1k		MR			
RR	UNISOUTH GENETICS USG 74A45	4.5	3, 14			MR			
RR	UNISOUTH GENETICS USG 74A91	4.9		1a		MR			
RR/STS	UNISOUTH GENETICS USG 74B58	4.5	3, 14			MR		R	
R2Y	UNISOUTH GENETICS USG 74F11R	4.1	3			MR			
LL	UNISOUTH GENETICS USG 74G99L	4.7		1k		MR			2009 entry was EXP-RR: XR4893
RR	UNISOUTH GENETICS USG 74H81	4.8	3	1c					
R2Y	UNISOUTH GENETICS USG 75B21R	5.2	2			MR			MR-BROWN STEM ROT
R2Y	UNISOUTH GENETICS USG 75R31R	5.3		1a	MT	MR		R	MR-FROGEYE LEAF SPOT
RR	UNISOUTH GENETICS USG ALLEN (RR)	5.6				MR	R		
CONV	UNIVERSITY OF ARKANSAS OSAGE	5.6			S	R		R	R-RENIFORM NEMATODES
CONV	UNIVERSITY OF ARKANSAS OSARK	5.2			MT	MR	R	R	MR-FROGEYE LEAF SPOT
CONV	UNIVERSITY OF ARKANSAS UA4910	4.9				MR	S	R	
CONV	UNIVERSITY OF MISSOURI S08-15072	4.1			MS	MR		R	
EXP CONV	USDA-ARS JTN-5203	5.3	2, 3, 14			MR	S	R	R-FROGEYE LEAF SPOT, R-RENIFORM NEMATODES

RR Roundup Ready variety (RR1 first generation, original trait, released in 1996).  
R2Y Introduced in 2009, Roundup Ready 2 Yield soybean variety.  
LL Introduced in 2009, Liberty Link is an Ignite (glufosinate ammonium) herbicide tolerant soybean variety.  
STS Introduced in 1994, STS is a sulfonylurea herbicide tolerant soybean variety.  
EXP Variety that is soon to be released or still being evaluated  
CONV Variety is a conventional entry, ie: not Roundup Ready or Liberty Link.  
P Entries with a P prefix are public varieties.

<sup>A</sup> This information is provided by the companies and has not been checked by the soybean variety test project.  
<sup>B</sup> All races of Phytophthora sojae so far identified in Kentucky can be controlled with varieties with Rps 1c or 1k. Race-specific resistance is highly effective, but a proper match between pathogen race and variety is essential. Field tolerance is a lower level of protection to the fungus that will provide good, (not excellent) control against all races. Seed and young seedlings of tolerant varieties must be protected with an appropriate fungicide since field tolerance develops after the early seedling growth stage.  
<sup>C</sup> blank spaces=no data provided by seed company or data unknown.

S=susceptible, MS=moderately susceptible, MR=moderately resistant, R=resistant, T=tolerant, MT=moderately tolerant



## Seed Treatments

Research over five seasons of testing various seed-applied insecticide treatments on soybean in Kentucky, have not produced a single example of a statistically significant greater yield of treatments compared to the control. This is generally not related to the performance of the insecticide but rather to the fact

that, in Kentucky, insect pressure is most commonly too low to warrant a control action (Doug Johnson, Ph. D., UK Extension Entomologist).

Most seed companies historically offer seed treatment as an optional treatment, relying heavily on dealers with treating equipment to treat seeds as requested. One reason is to avoid any costly disposal issues with untreated seed at the end of the season, thus avoiding having large in-

ventories that cannot be dumped into the grain market at local elevators. Interestingly enough, almost all of the new traits introduced into the marketplace today require the inclusion of specified treatment products on all varieties containing the new traits. By requiring these treatment products the trait providers may increase their probability of achieving the yield increases the new traits might provide.

**Table 4. Seed Treatment.**

Code	Name (Code)	Treatment	Chemical class/use	LD50 oral/dermA
1	Allegiance & Meta Star ST	Metalaxyl	systemic fungicide	2,900/2,000
2	Acceleron (1, 10, 11)	Metalaxyl, Imidacloprid, Pyraclostrobin	systemic & non-systemic fungicide, systemic insecticide	NA
3	Apron XL	Mefenoxam	systemic fungicide	862/2020
4	Apron Maxx (3, 12)	Mefenoxam, Fludioxonil	systemic & non-systemic fungicide	5,000/5,050
5	Cruiser	Thiamethoxam	systemic insecticide	5,000/5,050
6	Cruiser Maxx (3, 5, 12)	Mefenoxam, Thiamethoxam, Fludioxonil	systemic & non-systemic fungicide, systemic insecticide	5,000/5,000
7	Cruiser Extreme (6, 8)	Mefenoxam, Thiamethoxam, Fludioxonil, Axoxystrobin	systemic & non-systemic fungicide, systemic insecticide	5,000/5,050
8	Dynasty	Azoxystrobin	systemic fungicide	2,000/2,000
9	FaSTart®	Thiamethoxam	systemic insecticide	5,000/5,050
10	Gaicho	Imidacloprid	systemic insecticide	643/2,000
11	Headline	Pyraclostrobin	strobilurin fungicide	200-500/4,000
12	Maxim 4FS	Fludioxonil	non-systemic fungicide	5,050/2,020
13	Molybdenum	Molybdenum	stimulant (nitrogen fixing)	NA
14	Soygard (1, 8)	Metalaxyl, Azoxystrobin	systemic fungicide	5,000/2,000
15	Sure Gro™ (4, 16)	Mefenoxam, Fludioxonil, Thiram	systemic & non-systemic fungicide	NA
16	Thiram	Thiram	fungicide	3580/4000
17	Trilex	Trifloxystrobin	systemic fungicide	5,000/5,000
18	Trilex 6000 (1, 10, 17)	Metalaxyl, Imidacloprid, Trifloxystrobin	systemic fungicide & systemic insecticide	NA
19	Warden (3, 12)	Mefenoxam, Fludioxonil	systemic & non-systemic fungicide,	5000/200
20	Optimize 400	Lipo-chitooligosaccharide	natural growth enhancer	5000/2000
21	Rancona 3.8 FS	Ipconazole	systemic broad-spectrum fungicide	5000/5000
22	Escalate (3, 12, 16, 10)	Mefenoxam, Fludioxonil Thiram, Imidacloprid	systemic & non-systemic fungicide, systemic insecticide	640/2000
23	Meta Star ST	Metalaxyl	systemic fungicide	2,900/2,000
24	Macho 600 ST (10)	Imidacloprid	systemic insecticide	4,500/2,000

<sup>A</sup> The LD50 is a standardized measure for expressing and comparing the toxicity of chemicals. It is expressed as mg of chemical per kg (2.2 lbs.) body weight of test animal. The LD50 is the dose that kills half (50%) of the animals tested (LD = "lethal dose"). The LD50 data is from MSDS (Material Safety Data Sheet) websites.

**Table 5. 2011 Kentucky Soybean Variety Tests, State Summary.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LOGGING	% PROTEIN <sup>D</sup>			% OIL <sup>D</sup>		
			2011	10-11	09-11		2011	10-11	09-11	2011	10-11	09-11
<b>Maturity Group III (relative MG 3.0-3.9)</b>												
2	R2Y	* ASGROW AG3931	50.3	44.8		1.7	35.7	35.4		18.3	19.0	
1, 10, 17	RR	* SEED CONSULTANTS SCS 9381RR™	49.0	45.1		1.0	36.8	36.1		19.0	20.3	
18	R2Y	* SOUTHERN STATES SS 3811N R2	48.5			1.0	37.6			18.0		
	R2Y	* ARMOR X1203	48.1			1.9	35.0			19.2		
	R2Y	* ARMOR 39-R16	47.9			1.0	35.6			18.8		
2	R2Y	* BIOGENE BG 7391	47.6			1.1	37.9			17.5		
1, 10, 17	RR	* SEED CONSULTANTS SCS 9390RR™	47.6	42.6	51.5	1.1	36.3	36.8	36.4	18.9	18.7	19.1
1, 10, 17	RR	* SEED CONSULTANTS SCS 9362RR™	47.5			1.1	35.7			19.4		
	EXP R2Y	* SOUTHERN STATES SS 3712N R2	47.3			1.0	32.5			20.3		
	RR	* REV 38R10	47.2	40.5		1.2	35.7	33.7		19.0	23.1	
	CONV	* SOUTHERN STATES SS 385	47.0			1.3	36.4			18.9		
2	R2Y	* STEWART 3412R2	46.9			1.0	36.6			18.3		
18	R2Y	* SOUTHERN STATES SS 3910N R2	46.7	44.4		1.1	34.6	34.5		19.5	20.8	
2	R2Y	* DYNA-GRO 32RY39	46.7			1.0	36.4			18.5		
2	R2Y	* ASGROW AG3832	46.6			1.1	36.5			18.7		
2	R2Y	* DYNA-GRO 37RY39	46.5			1.2	35.5			19.3		
	LL	* DYNA-GRO 34LL37	46.5			1.3	36.6			18.8		
6	R2Y	* PFISTER 38R25	46.5			1.0	36.6			18.8		
	CONV	* STINE 3900-2	46.5			1.2	35.4			18.9		
	RR	* PIONEER 93Y92	46.1	42.5	54.3	1.2	36.0	36.2	35.8	19.0	19.3	19.5
	R2Y	* S39-U2 BRAND	46.0			1.2	36.0			18.7		
18	R2Y	* SOUTHERN STATES SS 3911N R2	45.9			1.2	35.9			18.2		
	RR	* PIONEER 93Y82	45.8	41.2		1.1	35.2	35.4		19.3	19.8	
	R2Y	* ARMOR X1201	45.3			1.1	36.1			18.7		
6	R2Y	* PROGENY 3911 RY	45.0			1.0	36.2			18.5		
2	R2Y	* ASGROW AG3932	44.8			1.0	36.9			18.3		
20, 21, 23, 24	R2Y	* CAVERNDALE CF 386 RR2Yn	44.8			1.0	36.3			18.6		
1, 10, 17	RR	* SEED CONSULTANTS SCS 9392RR™	44.8			1.7	36.1			19.4		
18	RR	* SOUTHERN STATES RT 3971N	44.8	41.8	50.7	1.0	35.6	36.7	36.4	18.7	18.1	18.5
2	R2Y	* STEWART 3800R2	44.4	40.7		1.1	37.6	37.3		18.5	19.0	
1, 10, 17	RR	* SEED CONSULTANTS SCS 9360RR™	44.0	38.7		1.5	35.9	36.2		20.1	20.1	
2	R2Y	* CHANNEL 3701R2	44.0			1.0	36.1			18.8		
6	R2Y	* DAIRYLAND DST38-002/R2Y	43.7			1.1	36.1			18.4		
3, 5	RR/STS	* UNISOUTH GENETICS USG 73H77	43.4			1.7	36.3			18.5		
1, 10, 17	RR	* SEED CONSULTANTS SCS 9351RR™	43.0	39.2		1.0	36.6	36.5		18.9	19.3	
6	R2Y	* DAIRYLAND DSR-3805/R2Y	42.7			1.3	36.0			18.4		
1, 10, 17	RR	* SEED CONSULTANTS SCS 9370RR™	42.5	42.0	51.6	1.0	35.4	35.7	35.1	19.1	19.4	19.7
	RR	* S39-A3 BRAND	41.0	41.5	52.5	1.3	36.1	34.0	34.1	18.3	21.5	21.0
18	LL	* SOUTHERN STATES LL 396N	40.7	41.3		1.1	37.3	37.0		18.5	19.4	
	CONV	* PIONEER 93Y83	40.3			1.3	36.3			19.3		
		<b>GROUP III AVERAGE</b>	<b>45.6</b>	<b>41.9</b>	<b>52.1</b>	<b>1.2</b>	<b>36.1</b>	<b>35.8</b>	<b>35.6</b>	<b>18.8</b>	<b>19.8</b>	<b>19.6</b>
		LSD (0.10)	2.8	4.4	3.7							
		C.V.	10.6	11.0	10.7							
<b>Maturity Group IV Early (relative MG 4.0-4.5)</b>												
	EXP R2Y	* SOUTHERN STATES SS 4312N R2	56.9			1.0	35.8			18.6		
2	R2Y/STS	* ASGROW AG4232	54.2			1.4	35.4			18.4		
	RR	* PIONEER 94Y50	54.0			1.6	35.6			18.9		
2	R2Y	* ASGROW AG4032	53.8			1.3	35.9			19.2		
18	R2Y	* STEYER 4203R2	53.8			1.4	35.1			18.4		
	R2Y	* ARMOR X1204	53.7			1.0	35.5			18.4		
18	R2Y	* STEYER 4501R2	53.6	47.1		1.1	35.5	36.2		18.8	18.8	
	R2Y	* L&M GLICK 412R2	53.2			1.0	35.7			18.6		
2	R2Y/STS	* ASGROW AG4531	53.1	47.3		1.0	35.7	36.8		18.4	17.8	
6	R2Y	* DAIRYLAND DST45-001/R2Y	52.9			1.4	35.0			18.7		
6	R2Y	* PROGENY 4510 RY	52.8	46.1		1.1	35.5	36.6		19.0	18.7	
6	R2Y	* PFISTER 43R29	52.0			1.0	35.7			18.5		
6	R2Y	* PFISTER 45R23	52.0			1.4	34.5			18.9		
2	R2Y	* DYNA-GRO 39RY43	51.9			1.2	35.8			18.7		
2	R2Y	* STEWART 4512R2	51.9			1.6	35.0			19.1		
18	R2Y	* STEYER 4502R2	51.8			1.4	35.2			18.8		
2	R2Y	* DYNA-GRO 31RY45	51.7			1.4	34.8			19.1		
1, 10, 17	RR/STS	* SEED CONSULTANTS SCS 9421RR™	51.2	45.3		1.1	35.3	36.1		19.5	19.0	
2	R2Y	* DYNA-GRO 38RY45	51.2	44.4		1.0	36.1	36.7		18.4	18.3	
2	R2Y	* BIOGENE BG 7420	51.1	42.7		1.7	36.6	36.8		18.9	19.1	
	R2Y	* ARMOR X1206	51.1			1.4	35.7			18.3		
	RR	* PIONEER 94Y22	51.1			1.0	36.0			18.8		
20, 21, 23, 24	LL	* CAVERNDALE CF 411 LLn	50.8	45.8		1.6	35.8	36.0		18.9	18.8	
2	R2Y	* STEWART 4509R2	50.8	46.4		1.1	36.1	36.5		18.3	18.4	
	R2Y	* ARMOR 46-R42	50.6			1.2	34.9			19.1		
2	R2Y	* BIOGENE BG 7421	50.6			1.1	35.7			19.2		
6	R2Y	* DAIRYLAND DSR-4141/R2Y	50.5			2.9	36.0			18.3		
2	R2Y	* CHANNEL 4205R2	50.5			1.0	35.6			18.8		
22	RR	* BECK 432NR	50.2	43.9		1.0	36.2	36.2		18.7	18.7	
2	R2Y	* STEWART 4212R2	49.9			1.1	35.5			19.1		
6	R2Y	* DAIRYLAND DSR-4242/R2Y	49.8			1.9	35.9			18.4		
6	RR	* DAIRYLAND DSR-4300/RR	49.8	44.9	53.0	1.8	35.8	35.7	35.5	18.6	19.0	19.6
2	R2Y	* CHANNEL 4405R2	49.7			1.3	34.5			18.4		
2	R2Y	* STEWART 4012R2	49.6			1.2	36.2			18.8		
18	RR/STS	* SOUTHERN STATES RT 4470N STS	49.5	43.5	55.0	1.0	35.8	35.5	35.2	18.6	19.0	19.5
6	R2Y	* STINE 45RC32	49.5			1.9	35.4			19.1		
2	R2Y	* STEWART 4412R2	49.3			1.3	35.1			18.8		
20, 21, 23, 24	R2Y	* CAVERNDALE CF 436 RR2Yn	49.3			1.0	35.5			18.5		
6	R2Y	* STINE 40RC32	49.2			1.6	35.9			18.5		
3, 5	RR/STS	* UNISOUTH GENETICS USG 74B58	49.1	44.6		1.0	35.8	35.8		18.8	18.7	
	CONV/STS	* CAVERNDALE CF 434 STSn	49.0			1.0	36.1			18.5		
22	LL	* BECK 426NL	49.0			1.3	35.7			18.6		
6	R2Y	* PROGENY 4211 RY	48.9			1.0	35.7			18.1		
	RR	* PIONEER 94Y20	48.7	43.8	53.2	1.4	36.2	37.0	36.3	18.8	19.0	19.7

RECOMMENDED TABLE

**Table 5. 2011 Kentucky Soybean Variety Tests, State Summary.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LOGGING	% PROTEIN <sup>D</sup>			% OIL <sup>D</sup>		
			2011	10-11	09-11		2011	10-11	09-11	2011	10-11	09-11
18	RR	* S44-D5 BRAND	48.6	44.1	53.8	1.3	35.1	36.0	35.5	18.3	18.4	18.9
2	RR	* STEYER 4430RR	48.3	45.3	55.9	1.0	35.3	35.5	35.1	19.4	19.1	19.8
2	R2Y	* BIOGENE BG 7450	48.2	44.2		1.4	35.6	36.4		19.0	19.1	
2	R2Y	* CHANNEL 4505R2	48.1			1.4	37.2			18.5		
	RR	* L&M GLICK 843R	47.8	42.0	51.5	1.5	36.0	36.2	35.8	18.8	19.1	19.5
	CONV	* L&M GLICK 55N	47.6			1.8	34.4			18.8		
6	R2Y	* DAIRYLAND DST43-001/R2Y	47.6			1.2	36.4			18.6		
18	R2Y	* SOUTHERN STATES SS 4510N R2	47.4	42.5		1.0	35.6	36.2		18.8	19.1	
	R2Y	* S42-T4 BRAND	47.0	41.8		1.4	35.2	35.8		18.2	17.7	
4, 10	RR/STS	* DYNA-GRO V42N9RS	46.9	43.6	54.4	1.0	35.2	35.3	35.0	18.7	18.9	19.4
6	R2Y	* DAIRYLAND DST45-002/R2Y	46.9			1.3	35.6			18.3		
2	R2Y/STS	* ASGROW AG4031	46.7	44.3		1.1	35.3	36.7		18.9	18.4	
	RR	* REV 45R10	46.6	42.3		2.0	36.2	36.1		18.4	18.7	
	RR	* REV 44R22	46.2	41.0		1.0	36.3	36.4		18.7	18.4	
6	R2Y	* UNISOUTH GENETICS USG 74F11R	46.1			1.7	34.9			18.5		
6	RR	* SCHILLINGER SEED 457.RCP	46.0	42.5		2.7	35.7	35.9		18.5	17.8	
1, 10, 17	RR	* SEED CONSULTANTS SCS 9450RR™	45.6	40.0	50.4	1.8	35.2	35.3	34.9	19.1	19.0	19.6
3, 5	RR	* UNISOUTH GENETICS USG 74A45	45.6			1.6	35.8			18.3		
6	RR/STS	* DAIRYLAND DSR-4500/RRSTS	45.5	42.2	52.8	1.8	35.7	35.3	34.9	19.2	19.0	19.6
	CONV	* SOUTHERN STATES SS 435	45.3			1.2	36.2			18.6		
	CONV	* PIONEER 94Y21	45.3	38.5		1.4	35.7	35.7		18.7	19.4	
	RR	* PIONEER 94Y40	45.2			1.0	35.6			19.0		
18	RR	* SOUTHERN STATES RT 4370N	44.8	40.7	50.0	1.4	35.0	35.6	35.4	19.4	19.1	19.5
22	LL	* BECK 456NL	44.4			1.9	35.4			18.8		
18	LL	* SOUTHERN STATES LL 430N	43.9	42.5	51.4	1.5	35.2	35.6	35.4	18.7	19.1	19.4
19	RR	* CROPLAN GENETICS RC4417	43.8	39.7		2.1	35.6	36.9		18.6	18.5	
	CONV	* UNIVERSITY OF MISSOURI S08-15072	43.3			2.0	36.0			18.4		
18	LL	* SOUTHERN STATES LL 450N	40.8	39.1	49.4	1.9	36.2	35.6	35.2	18.6	19.1	19.8
		<b>GROUP IV Early AVERAGE</b>	<b>49.2</b>	<b>43.3</b>	<b>52.6</b>	<b>1.4</b>	<b>35.6</b>	<b>36.1</b>	<b>35.4</b>	<b>18.7</b>	<b>18.7</b>	<b>19.5</b>
		LSD (0.10)	2.3	4.5	3.6							
		C.V.	8.1	10.8	10.0							
<b>Maturity Group IV Late (relative MG 4.6-4.9)</b>												
	R2Y	ARMOR X1247	<b>54.8</b>			1.1	34.7			18.7		
2	R2Y	LG SEEDS C4625R2	54.3			1.2	34.3			19.2		
	R2Y	* ARMOR X1208	54.0			1.4	35.5			18.5		
18	R2Y	* SOUTHERN STATES SS 4711N R2	54.0			1.1	34.9			18.6		
2	R2Y	* ASGROW AG4832	53.9			1.1	36.0			18.9		
6	R2Y	* PROGENY 4611 RY	53.9			1.6	35.7			18.3		
	R2Y	* ARMOR X1209	53.8			1.3	34.7			18.7		
18	R2Y	HORNBECK HBK RY4620	53.8	46.2		1.5	34.0	35.4		19.2	19.1	
6	R2Y	* PFISTER 47R24	53.7			1.6	35.3			18.8		
6	R2Y	PROGENY 4811 RY	53.7			1.2	34.7			18.7		
2	R2Y/STS	* DYNA-GRO 37RY47	53.6	47.9		1.1	35.6	36.6		18.6	18.3	
2	R2Y	* ASGROW AG4732	53.0			1.4	34.0			19.5		
	R2Y	ARMOR 48-R40	52.7	45.8		1.3	34.6	35.5		19.1	19.4	
3, 5, 12	R2Y	* DELTA GROW 4670 RR2	52.7			1.3	34.2			18.9		
	RR	* CROPLAN GENETICS RC 4877	52.7			1.6	34.7			18.9		
2	R2Y	* ASGROW AG4632	52.7			1.8	35.0			19.2		
6	RR	* DAIRYLAND DSR-8482/RR	52.6	46.6	56.7	1.9	34.2	35.1	35.0	19.1	19.4	19.6
6	R2Y	* PROGENY 4710 RY	52.5	46.6		1.5	35.3	36.4		18.7	18.6	
6	R2Y	PROGENY 4911 RY	52.3			1.9	35.2			18.7		
18	R2Y	* SOUTHERN STATES SS 4700 R2	52.3	47.6		1.3	35.7	36.3		18.6	19.0	
	CONV-P	* HANOVER	52.2			1.9	34.2			18.6		
6	R2Y	* STINE 48RC32	52.2			1.0	35.5			18.7		
6	RR	PROGENY 4908 RR	52.1	46.9	56.1	1.5	36.2	36.0	35.5	18.6	19.2	19.5
	RR	* REV 48R33	51.9			1.4	35.2			18.9		
18	RR	* HORNBECK HBK R4924	51.8	46.2	54.7	1.9	35.0	35.8	35.6	18.3	18.7	19.2
18	R2Y	* STEYER 4701R2	51.7			1.2	35.0			18.6		
22	RR	* BECK 495NR	51.6			1.5	35.1			18.8		
6	RR	* SCHILLINGER SEED 4990.RC	51.2	45.7	55.1	2.2	34.7	35.4	35.8	18.8	19.2	19.5
	RR	* REV 47R53	51.2			1.3	34.8			19.1		
2	R2Y	* DYNA-GRO 33RY47	50.6			1.1	34.7			18.7		
	RR	* PIONEER 94Y70	50.6	46.7	57.3	1.3	34.7	35.7	35.4	19.0	19.5	20.0
2	R2Y	* BIOGENE BG 7460	50.6			1.2	34.2			19.3		
2	R2Y	* STEWART 4712R2	50.6			1.3	34.4			18.5		
18	RR	* HORNBECK HBK R4829	50.5	44.1		1.7	35.4	36.5		18.6	19.0	
3, 5, 12	R2Y	* DELTA GROW 4875 RR2	50.4			1.5	34.9			19.0		
	RR	* REV 48R21	50.3			1.6	35.2			18.4		
3, 5	LL	UNISOUTH GENETICS USG 74G99L	50.2			1.2	34.0			19.2		
20, 21, 23, 24	R2Y	* CAVERNDALE CF 476 RR2Yn	50.0			1.5	34.4			18.6		
1, 10, 17	RR	* SEED CONSULTANTS SCS 9472RR™	50.0			1.8	34.3			18.9		
3, 5, 12	RR	* DELTA GROW 4880 RR	49.6	44.9		1.7	36.1	37.4		18.2	18.3	
18	RR/STS	* SOUTHERN STATES RT 4808N STS	49.6	44.1	53.4	1.4	34.5	34.8	34.5	18.7	19.4	19.6
	RR	* REV 49R11	49.3	41.8		1.3	35.4	36.6		19.0	18.9	
6	RR	PROGENY 4906 RR	49.3	44.5	53.6	1.3	36.0	35.4	35.1	18.7	19.0	19.6
	RR	* UNISOUTH GENETICS USG 74H81	49.3			1.4	35.0			18.8		
6	RR	* PROGENY 4750 RR	49.1	44.9		2.5	35.2	36.4		18.9	19.1	
4, 10	RR	* DYNA-GRO 39D48	49.1			1.5	34.9			19.1		
	RR	* ARMOR X1210	49.1			2.5	35.6			19.0		
2	R2Y	* ASGROW AG4932	49.0			1.3	34.3			19.1		
22	LL	* BECK 476NL	48.9			1.9	36.1			18.6		
	RR	* REV 49R43	48.8			1.9	35.2			18.8		
18	RR	* SOUTHERN STATES RT 4760N	48.7	43.3		1.7	34.7	35.6		18.8	19.0	
	RR	* PIONEER 94Y61	48.4			1.2	35.3			18.6		
6	RR	* SCHILLINGER SEED 458.RCS	48.4			1.2	35.6			17.9		
	CONV	* UNIVERSITY OF ARKANSAS UA4910	48.3	44.7		1.0	33.5	34.4		18.4	19.3	
6	R2Y	* DAIRYLAND DST47-002/R2Y	48.2			1.1	34.6			18.7		
3, 5	RR	UNISOUTH GENETICS USG 74A91	48.2			1.2	34.2			18.7		

RECOMMENDED TABLE

**Table 5. 2011 Kentucky Soybean Variety Tests, State Summary.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LOGGING 2011	% PROTEIN <sup>D</sup>			% OIL <sup>D</sup>		
			2011	10-11	09-11		2011	10-11	09-11	2011	10-11	09-11
3, 5, 12	RR	* DELTA GROW 4770 RR	48.1	43.7	52.6	2.1	34.6	35.7	35.4	18.7	19.1	19.9
6	RR	* PROGENY 4807 RR	48.0	43.5	53.4	1.3	34.6	35.6	35.5	18.9	18.4	19.1
	R2Y	* CROPLAN GENETICS RR2C4660	48.0	42.5		1.0	34.9	35.2		18.2	18.5	
6	CONV	* PROGENY 4910	47.8	41.5		1.7	34.4	34.6		18.7	19.2	
	RR	* PIONEER 94Y60	47.7	40.9	52.3	1.4	35.7	37.1	37.0	18.0	18.1	18.9
	R2Y	* S46-A1 BRAND	47.7			1.2	34.4			19.0		
3, 5, 12	RR	* DELTA GROW 4970 RR	47.4	44.3	52.9	2.3	34.0	35.4	35.2	19.0	19.0	19.3
18	LL	* HALO 4: 65	47.4	44.3	52.3	2.1	35.3	36.4	36.2	18.5	18.2	19.0
18	RR	* HORNBECK HBK R4729	47.4	43.1	52.3	1.8	35.8	36.9	37.2	18.2	18.5	19.0
	RR	* REV 48R10	47.3	41.5		1.3	34.3	35.3		19.1	19.2	
1, 10, 17	RR	* SEED CONSULTANTS SCS 9480RR™	47.2	39.7	52.2	1.2	36.6	37.4	37.2	18.0	18.2	18.8
6	LL	* PROGENY 4928 LL	46.8	42.4		1.1	34.7	34.5		18.6	19.0	
6	R2Y	* STINE 47RC32	46.3			1.1	33.9			19.1		
	RR	* ARMOR X1211	46.2			2.3	35.2			18.7		
18	LL	* SOUTHERN STATES LL 499N	46.0	41.9	52.7	1.3	34.0	34.6	34.7	19.1	18.9	19.4
	RR	* S47-R3 BRAND	45.6	41.0		2.1	34.7	35.6		18.1	18.2	
22	RR	* BECK 477NR	45.5			1.8	34.6			18.9		
6	RR	* DAIRYLAND DSR-4810/RR	45.4	42.5	53.5	1.7	35.4	36.5	36.3	18.6	18.8	19.2
3, 5, 12	RR	* DELTA GROW 4975 RR	45.4	41.8	51.5	1.3	34.5	35.7	35.5	18.3	18.2	19.0
20, 21, 23, 24	LL	* CAVERNDALE CF 465 LLn	45.2			1.8	34.6			18.8		
	RR	* REV 49R22	45.0			1.6	36.2			18.1		
6	RR	* SCHILLINGER SEED 495.RC	44.8	42.2	53.2	2.1	35.1	36.2	36.3	18.6	18.8	19.2
6	RR	* SCHILLINGER SEED 478.RCS	44.6	40.9		1.6	34.6	34.8		18.7	18.9	
18	LL	* SOUTHERN STATES LL 491N	44.5			1.5	33.3			19.5		
18	LL	* HALO 4: 75	44.3			1.2	34.8			19.4		
18	LL	* HALO 4: 94	44.2	40.5	50.8	1.3	34.0	34.0	34.4	19.1	19.2	19.6
3, 5, 12	LL	* DELTA GROW 4861 LL	44.1	40.0		1.1	34.9	35.4		<b>19.6</b>	19.4	
	RR	* S49-A5 BRAND	43.9	40.4		1.6	34.8	35.8		18.6	18.3	
18	RR/STS	* SOUTHERN STATES RT 4996N STS	43.4	40.3	51.4	1.9	34.8	36.0	35.9	18.9	19.1	19.7
18	RR	* HORNBECK HBK R4830	42.0			2.0	35.4			18.5		
none	CONV-P	PENNYRILE (long term check-released 1987)	36.9	32.9	42.1	1.7	<b>36.8</b>	<b>37.5</b>	<b>37.3</b>	17.8	18.5	19.2
		<b>GROUP IV Late AVERAGE</b>	<b>49.2</b>	<b>43.2</b>	<b>52.9</b>	<b>1.5</b>	<b>34.9</b>	<b>35.8</b>	<b>35.8</b>	<b>18.7</b>	<b>18.8</b>	<b>19.4</b>
		LSD (0.10)	2.5	4.3	3.6							
		C.V.	8.9	10.4	9.7							
<b>Maturity Group V (relative MG 5.0-5.9)</b>												
3, 5, 12	R2Y	* DELTA GROW 5565 RR2	<b>59.7</b>			2.0	35.7			16.6		
18	R2Y	* SOUTHERN STATES SS 5312N R2	59.3			2.3	35.1			17.3		
3, 5	CONV	UNISOUTH GENETICS USG 5601T	58.8	<b>50.7</b>	<b>59.4</b>	2.1	35.4	36.6	36.5	17.4	18.0	18.3
	RR	REV 51R53	58.2			1.0	35.4			17.6		
3, 5, 12	R2Y	* UNISOUTH GENETICS USG 75B21R	58.1			1.0	35.7			17.4		
	CONV	UNIVERSITY OF ARKANSAS OSAGE	58.1	48.7		1.2	35.3	36.8		17.0	17.2	
18	LL	* HALO 5: 25	57.9	49.3	57.4	1.6	34.6	36.4	36.1	18.1	18.0	18.7
3, 5, 12	R2Y	* DELTA GROW 5656RR2	57.5			1.3	34.1			17.4		
6	RR	* SCHILLINGER SEED 557.RC	57.4	47.9	57.1	2.1	34.2	36.0	36.2	17.6	17.8	18.2
3, 5, 12	R2Y	* DELTA GROW 5252 RR2	57.0			1.2	33.9			17.9		
18	LL	* SOUTHERN STATES LL 511N	57.0	46.4	57.0	1.3	35.1	36.3	36.1	17.9	<b>18.6</b>	<b>19.2</b>
18	R2Y	* HORNBECK HBK RY5220	56.9	47.1		2.9	35.4	37.0		17.8	17.9	
3, 5	RR	UNISOUTH GENETICS USG ALLEN	56.5	46.4		2.1	36.8	<b>37.6</b>		17.2	17.0	
	EXP R2Y	* SOUTHERN STATES SS 5112N R2	55.8			2.6	34.2			<b>18.2</b>		
	R2Y	* ASGROW AG5232	55.7			2.3	34.5			18.1		
	RR	* PIONEER 95Y10	54.9			1.0	35.7			17.5		
	CONV	UNIVERSITY OF ARKANSAS OZARK	54.4	45.4		2.6	35.7	36.9		17.4	17.6	
4, 5	EXP CONV	* USDA-ARS JTN-5203	54.2			2.9	34.5			17.6		
3, 5, 12	R2Y	* DELTA GROW 5110 RR2	54.0			2.0	35.3			17.4		
3, 5, 12	R2Y	* DELTA GROW 5275 RR2	53.8	44.9		2.3	34.2	36.0		17.8	17.7	
	RR	* REV 55R21	53.3			1.4	35.4			17.3		
	R2Y	* CAVERNDALE CF 506 RR2Yn	52.6			2.4	34.5			18.1		
none	CONV-P	GLENN	52.6	44.2	53.4	3.2	34.9	35.9	35.9	17.5	17.9	18.3
3, 5, 12	LL	* DELTA GROW 5461 LL	52.6	43.1		1.0	34.4	35.3		17.6	17.6	
3, 5	RR	UNISOUTH GENETICS USG 75R31R	52.1			2.8	36.0			17.2		
18	R2Y	* SOUTHERN STATES SS 5311N R2	52.1			2.7	35.0			17.3		
3, 5, 12	RR/STS	* DELTA GROW 5160 RR/STS	52.0	42.9	52.7	1.7	35.2	36.4	36.5	18.0	18.3	18.9
3, 5	CONV	UNISOUTH GENETICS USG 5002T	51.8	46.1	55.0	2.3	<b>36.4</b>	36.1	35.7	17.1	17.9	18.6
	EXP R2Y	SOUTHERN STATES SS 5111N R2	51.4			2.1	34.4			17.4		
18	RR/STS	* SOUTHERN STATES RT 5160N STS	51.0	44.0	53.7	1.9	34.6	35.5	35.1	17.8	17.7	18.3
20, 21, 23, 24	LL	* CAVERNDALE CF 505 LLn	50.8			2.6	34.8			17.7		
3, 5, 12	RR/STS	* DELTA GROW 5300 RR/STS	50.0	42.9	53.4	1.8	35.2	35.8	35.2	17.4	18.0	18.5
3, 5, 12	RR	* DELTA GROW 5280 RR	49.8	43.0	51.6	3.6	35.3	36.6	36.1	17.7	17.9	18.6
3, 5, 12	RR	* DELTA GROW 5545 RR	49.3			3.5	35.4			16.9		
3, 5, 12	RR	* DELTA GROW 5555 RR	47.7	42.3	51.7	3.8	35.5	36.3	35.8	16.7	17.7	18.2
none	CONV-P	ESSEX (long term check-released 1974)	45.5	38.9	47.1	2.4	35.3	37.0	<b>37.0</b>	17.4	17.5	18.1
		<b>GROUP V AVERAGE</b>	<b>54.2</b>	<b>45.2</b>	<b>54.1</b>	<b>2.1</b>	<b>35.1</b>	<b>36.4</b>	<b>36.0</b>	<b>17.5</b>	<b>17.8</b>	<b>18.5</b>
		LSD (0.10)	2.9	4.3	3.7							
		C.V.	9.3	9.7	9.4							

<sup>A</sup> See Table 4 for seed treatment code names.

<sup>B</sup> \* Resistance to Soybean Cyst Nematode. See Table 3. Company Disease Resistance Specifications for details.

CONV Conventional variety (ie: not LL, RR, or R2Y).

EXP Experimental entries are varieties that are still under development or soon to be released.

LL LibertyLink variety - Ignite herbicide tolerant, trait introduced in 2009.

P Public variety.

RR Roundup Ready variety - RR1 first generation, original trait introduced in 1996.

R2Y Roundup Ready 2 Yield variety - trait introduced in 2009.

STS Sulfonyleurea herbicide tolerant soybean variety - trait introduced in 1994.

<sup>C</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

<sup>D</sup> Variety protein and oil concentration was determined at the Fayette Co. location in 2011 and at the McLean Co. location in 2009-10. Data is expressed on the basis of 13% moisture. These data were provided by the University of Kentucky, using a near-infrared (NIR) analysis

**Table 6. 2011 Kentucky Soybean Variety Tests, Caldwell County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LODGING 2011
			2011	2010-11	2009-11	
<b>Maturity Group III (relative MG 3.0-3.9)</b>						
2	R2Y	* ASGROW AG3931	62.2	54.6		1.5
	CONV	* SOUTHERN STATES SS 385	58.6			1.5
	R2Y	* ARMOR 39-R16	58.1			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9390RR™	58.0	51.7	55.5	1.5
3, 5	RR/STS	* UNISOUTH GENETICS USG 73H77	57.8			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9362RR™	57.1			1.0
	R2Y	* ARMOR X1203	56.5			1.5
2	R2Y	* BIOGENE BG 7391	55.6			1.0
2	R2Y	* ASGROW AG3832	55.4			1.0
	RR	* REV 38R10	54.8	41.2		1.5
	CONV	* STINE 3900-2	54.8			2.0
18	R2Y	* SOUTHERN STATES SS 3910N R2	54.7	49.5		1.0
	EXP R2Y	* SOUTHERN STATES SS 3712N R2	54.6			1.0
18	R2Y	* SOUTHERN STATES SS 3811N R2	53.0			1.0
	LL	* DYNA-GRO 34LL37	52.2			1.0
2	R2Y	* CHANNEL 3701R2	52.1			1.0
2	R2Y	* STEWART 3412R2	51.4			1.0
	RR	* PIONEER 93Y92	51.0	48.7	55.4	1.0
18	R2Y	* SOUTHERN STATES SS 3911N R2	51.0			1.0
2	R2Y	* DYNA-GRO 37RY39	50.3			1.0
	RR	* PIONEER 93Y82	50.1	43.2		1.0
2	R2Y	* ASGROW AG3932	49.4			1.0
	R2Y	* S39-U2 BRAND	48.9			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9360RR™	47.8	41.0		1.5
18	RR	* SOUTHERN STATES RT 3971N	47.6	44.6	50.8	1.0
6	R2Y	* PFISTER 38R25	47.5			1.0
	R2Y	* ARMOR X1201	47.5			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9370RR™	47.3	48.0	53.1	1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9381RR™	46.6	46.6		1.0
2	R2Y	* DYNA-GRO 32RY39	46.6			1.0
6	R2Y	* PROGENY 3911 RY	46.1			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9392RR™	44.7			1.0
6	R2Y	* DAIRYLAND DSR-3805/R2Y	43.7			1.0
6	R2Y	* DAIRYLAND DST38-002/R2Y	43.0			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9351RR™	43.0	44.9		1.0
20, 21, 23, 24	R2Y	* CAVERNDAL CF 386 RR2Yn	40.8			1.0
	RR	* S39-A3 BRAND	40.2	41.0	48.8	1.0
2	R2Y	* STEWART 3800R2	39.5	41.5		1.0
18	LL	* SOUTHERN STATES LL 396N	39.5	41.8		1.0
	CONV	* PIONEER 93Y83	37.7			1.0
		<b>GROUP III AVERAGE</b>	<b>49.9</b>	<b>45.6</b>	<b>52.7</b>	<b>1.1</b>
		LSD (0.10)	10.8	6.5	4.8	
		C.V.	16.6	14.7	13.0	
<b>Maturity Group IV Early (relative MG 4.0-4.5)</b>						
	EXP R2Y	* SOUTHERN STATES SS 4312N R2	<b>76.4</b>			1.0
18	R2Y	* STEYER 4501R2	74.7	60.2		1.0
1, 10, 17	RR/STS	* SEED CONSULTANTS SCS 9421RR™	72.7	58.4		1.5
	R2Y	* L&M GLICK 412R2	72.7			1.0
2	R2Y/STS	* ASGROW AG4232	72.5			2.5
	R2Y	* ARMOR 46-R42	72.5			1.5
	RR	* PIONEER 94Y50	71.8			2.5
18	R2Y	* STEYER 4203R2	71.7			2.5
2	R2Y	* ASGROW AG4032	71.1			2.0
	RR	* PIONEER 94Y22	70.2			1.0
2	R2Y	* DYNA-GRO 38RY45	70.1	57.6		1.0
6	R2Y	* STINE 40RC32	69.7			2.5
	RR	* S44-D5 BRAND	69.4	56.3	61.4	2.0
18	R2Y	* STEYER 4502R2	69.1			1.5
2	R2Y	* BIOGENE BG 7420	69.0	50.9		3.0
18	RR	* STEYER 4430RR	69.0	54.5	64.2	1.0
2	R2Y	* DYNA-GRO 31RY45	68.0			2.0
20, 21, 23, 24	LL	* CAVERNDAL CF 411 LLn	67.7	56.6		2.5
	R2Y	* ARMOR X1204	67.5			1.0
2	R2Y	* DYNA-GRO 39RY43	66.2			1.5
2	R2Y	* STEWART 4212R2	66.1			1.5
2	R2Y/STS	* ASGROW AG4531	66.0	54.0		1.0
2	R2Y	* STEWART 4412R2	66.0			2.5
22	LL	* BECK 426NL	65.4			1.5
20, 21, 23, 24	R2Y	* CAVERNDAL CF 436 RR2Yn	65.4			1.0
2	R2Y	* STEWART 4512R2	65.3			2.0
	R2Y	* ARMOR X1206	64.9			1.0
2	R2Y	* STEWART 4012R2	64.6			1.0
22	RR	* BECK 432NR	64.4	54.3		1.0
6	RR	* DAIRYLAND DSR-4300/RR	64.3	52.2	57.1	2.5
	CONV/STS	* CAVERNDAL CF 434 STSn	64.2			1.0
6	R2Y	* PFISTER 43R29	64.2			1.0
2	R2Y	* CHANNEL 4205R2	64.1			1.0
6	R2Y	* DAIRYLAND DSR-4141/R2Y	63.9			4.5
	CONV	* UNIVERSITY OF MISSOURI 508-15072	63.9			3.5
2	R2Y	* BIOGENE BG 7421	63.4			1.5
	RR	* L&M GLICK 843R	63.2	50.2	58.3	1.5
6	R2Y	* DAIRYLAND DST45-001/R2Y	63.1			1.0
6	R2Y	* DAIRYLAND DST43-001/R2Y	62.9			2.0
2	R2Y	* CHANNEL 4405R2	61.7			1.0
18	RR/STS	* SOUTHERN STATES RT 4470N STS	61.6	49.5	60.3	1.0
6	RR/STS	* DAIRYLAND DSR-4500/RRSTS	61.5	51.7	61.1	3.5
	R2Y	* S42-T4 BRAND	61.0	53.0		2.0
	CONV	* PIONEER 94Y21	60.8	49.5		3.0

**Agronomic Information**

**Location**

Caldwell County

**Soil Type**

Crider silt Loam

**Planting Date**

6/1/11

**Harvest Dates**

MG III 10/2/11

MG IV Early and Late: 10/8/11

MG V: 10/22/11

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**Table 6. 2011 Kentucky Soybean Variety Tests, Caldwell County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LOGGING 2011
			2011	2010-11	2009-11	
6	R2Y	* UNISOUTH GENETICS USG 74F11R	60.6			2.5
2	R2Y	* CHANNEL 4505R2	60.1			1.5
	CONV	* L&M GLICK 55N	59.9			2.5
	RR	* PIONEER 94Y20	59.7	48.5	57.1	2.5
1, 10, 17	RR	* SEED CONSULTANTS SCS 9450RR™	59.3	47.9	53.9	3.0
6	R2Y	* PFISTER 45R23	59.1			1.0
18	RR	* SOUTHERN STATES RT 4370N	59.1	47.2	54.4	2.0
	RR	* REV 45R10	58.9	47.1		2.5
6	R2Y	* DAIRYLAND DSR-4242/R2Y	58.6			3.0
4, 10	RR/STS	* DYNA-GRO V42N9R5	58.6	47.7	59.1	1.0
6	R2Y	* PROGENY 4211 RY	58.5			1.0
3, 5	RR/STS	* UNISOUTH GENETICS USG 74B58	58.1	50.1		1.0
2	R2Y	* STEWART 4509R2	57.8	52.3		1.0
2	R2Y	* BIOGENE BG 7450	57.7	50.4		1.5
	CONV	* SOUTHERN STATES SS 435	57.7			2.0
3, 5	RR	* UNISOUTH GENETICS USG 74A45	57.7			2.0
22	LL	* BECK 456NL	57.4			2.5
6	R2Y	PROGENY 4510 RY	57.0	48.5		1.0
	RR	REV 44R22	56.8	49.0		1.0
6	R2Y	* STINE 45RC32	56.7			1.5
18	LL	* SOUTHERN STATES LL 430N	56.4	50.2	56.9	2.0
2	R2Y/STS	* ASGROW AG4031	56.0	49.6		1.5
18	R2Y	* SOUTHERN STATES SS 4510N R2	56.0	48.5		1.0
	RR	* PIONEER 94Y40	54.4			1.0
6	RR	* SCHILLINGER SEED 457.RCP	54.2	47.7		2.5
19	RR	* CROPLAN GENETICS RC4417	54.1	43.6		3.5
6	R2Y	* DAIRYLAND DST45-002/R2Y	52.5			1.0
18	LL	* SOUTHERN STATES LL 450N	52.1	49.8	56.0	2.5
		<b>GROUP IV Early AVERAGE</b>	<b>63.2</b>	<b>51.2</b>	<b>58.3</b>	<b>1.8</b>
		LSD (0.10)	7.7	5.4	4.2	
		C.V.	9.4	10.5	9.6	
<b>Maturity Group IV Late (relative MG 4.6-4.9)</b>						
6	R2Y	* PFISTER 47R24	<b>75.1</b>			3.0
6	R2Y	* PROGENY 4611 RY	74.6			2.5
2	R2Y	* DYNA-GRO 33RY47	73.7			1.0
18	R2Y	* SOUTHERN STATES SS 4700 R2	73.3	<b>58.1</b>		2.5
6	R2Y	PROGENY 4911 RY	73.2			3.0
6	R2Y	* STINE 48RC32	72.9			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9472RR™	72.9			3.0
18	R2Y	SOUTHERN STATES SS 4711N R2	72.6			1.5
	RR	* REV 48R33	72.4			1.5
2	R2Y	LG SEEDS C4625R2	72.2			1.5
	R2Y	ARMOR X1247	71.9			1.0
18	R2Y	* STEYER 4701R2	71.9			1.5
2	R2Y	* ASGROW AG4732	71.7			2.0
6	RR	PROGENY 4908 RR	71.7	53.3	61.6	2.5
2	R2Y	* ASGROW AG4632	71.1			3.0
6	R2Y	PROGENY 4811 RY	70.8			2.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9480RR™	70.8	50.4	58.8	2.0
	RR	* PIONEER 94Y61	70.7			2.0
6	RR	* SCHILLINGER SEED 4990.RC	70.1	55.0	<b>62.6</b>	3.0
	R2Y	* ARMOR X1208	70.0			1.5
18	RR	* HORNBECK HBK R4924	69.7	53.9	61.7	3.5
3, 5, 12	R2Y	* DELTA GROW 4670 RR2	69.6			1.5
18	RR	* SOUTHERN STATES RT 4760N	69.5	48.9		2.5
6	R2Y	* DAIRYLAND DST47-002/R2Y	69.1			1.5
18	R2Y	HORNBECK HBK RY4620	68.6	52.7		2.5
2	R2Y	* ASGROW AG4832	68.4			1.0
	RR	REV 48R22	68.4			2.0
3, 5	RR	UNISOUTH GENETICS USG 74A91	68.4			2.0
6	RR	* PROGENY 4807 RR	68.4	51.0	58.7	2.5
2	R2Y/STS	* DYNA-GRO 37RY47	68.3	56.6		1.0
	RR	* REV 49R11	67.7	52.5		2.5
18	RR/STS	* SOUTHERN STATES RT 4808N STS	67.7	54.7	58.6	2.5
6	RR	* DAIRYLAND DSR-8482/RR	67.6	53.4	61.1	2.5
6	RR	* DAIRYLAND DSR-4810/RR	67.5	53.0	61.6	4.0
2	R2Y	* STEWART 4712R2	67.5			2.0
3, 5, 12	RR	* DELTA GROW 4970 RR	67.4	54.3	59.6	4.0
	CONV-P	* HANOVER	67.2			1.5
6	R2Y	* PROGENY 4710 RY	67.1	48.3		2.5
	CONV	UNIVERSITY OF ARKANSAS UA4910	67.0	50.9		1.0
	R2Y	* ARMOR X1209	66.7			1.5
	R2Y	ARMOR 48-R40	66.7	47.9		2.5
6	RR	* SCHILLINGER SEED 458.RCS	66.7			2.0
20, 21, 23, 24	R2Y	* CAVERNDAL CF 476 RR2Yn	66.5			2.0
	RR	* ARMOR X1210	66.3			3.0
	RR	* PIONEER 94Y70	66.0	51.7	60.3	1.5
	RR	* ARMOR X1211	66.0			3.0
18	RR	* HORNBECK HBK R4829	66.0	51.7		3.5
	RR	REV 48R21	65.8			2.0
6	R2Y	* STINE 47RC32	65.4			1.5
	RR	REV 47R53	65.0			2.0
	RR	* UNISOUTH GENETICS USG 74H81	64.9			2.5
	RR	REV 49R22	64.7			2.5
22	LL	* BECK 476NL	64.4			3.0
	RR	S47-R3 BRAND	64.4	46.6		3.5
	RR	* PIONEER 94Y60	64.2	46.3	56.1	2.0
2	R2Y	* BIOGENE BG 7460	64.1			2.0
6	RR	PROGENY 4906 RR	64.1	50.5	56.2	2.5

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**Table 6. 2011 Kentucky Soybean Variety Tests, Caldwell County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LOGGING 2011
			2011	2010-11	2009-11	
3, 5, 12	R2Y	* DELTA GROW 4875 RR2	63.9			1.5
6	RR	* SCHILLINGER SEED 478.RCS	63.6	48.0		2.5
3, 5, 12	RR	* DELTA GROW 4975 RR	63.4	53.3	57.9	2.5
22	RR	* BECK 495NR	62.9			2.5
	RR	* CROPLAN GENETICS RC 4877	62.9			2.0
3, 5, 12	RR	* DELTA GROW 4880 RR	62.5	51.3		2.5
4, 10	RR	* DYNA-GRO 39D48	62.5			2.5
2	R2Y	* ASGROW AG4932	62.4			2.0
3, 5, 12	RR	* DELTA GROW 4770 RR	62.3	51.4	57.5	2.5
3, 5, 12	LL	* DELTA GROW 4861 LL	62.1	52.2		1.5
	RR	* REV 48R10	61.9	46.7		2.0
18	RR	HORNBECK HBK R4830	61.8			3.5
	R2Y	* CROPLAN GENETICS RR2C4660	61.7	50.1		1.0
18	LL	* HALO 4: 65	61.7	48.2	56.2	3.0
22	RR	* BECK 477NR	61.5			3.5
6	CONV	* PROGENY 4910	61.4	46.7		3.0
	RR	* REV 49R43	61.4			2.5
18	LL	* SOUTHERN STATES LL 499N	60.7	45.3	54.3	2.0
6	LL	* PROGENY 4928 LL	60.6	45.6		1.5
18	RR	HORNBECK HBK R4729	60.6	48.3	57.5	2.0
18	RR/STS	* SOUTHERN STATES RT 4996N STS	60.5	48.0	58.6	3.5
	RR	* 549-A5 BRAND	60.5	48.1		2.5
18	LL	* HALO 4: 94	60.2	47.3	54.4	2.0
6	RR	* PROGENY 4750 RR	59.4	50.1		3.0
18	LL	HALO 4: 75	58.6			2.0
	R2Y	* 546-A1 BRAND	58.6			1.0
3, 5	LL	UNISOUTH GENETICS USG 74G99L	58.2			2.0
6	RR	* SCHILLINGER SEED 495.RC	57.7	48.9	56.1	4.0
18	LL	* SOUTHERN STATES LL 491N	55.9			2.5
20, 21, 23, 24	LL	* CAVERNDAL CF 465 LLn	55.0			3.5
none	CONV-P	PENNYRILE (long term check-released 1987)	53.4	40.0	46.4	3.0
<b>GROUP IV Late AVERAGE</b>			<b>65.9</b>	<b>50.3</b>	<b>57.9</b>	<b>2.3</b>
LSD (0.10)			6.1	4.8	3.7	
C.V.			7.2	9.3	8.5	
<b>Maturity Group V (relative MG 5.0-5.9)</b>						
3, 5, 12	R2Y	* DELTA GROW 5565 RR2	<b>69.9</b>			2.0
3, 5, 12	R2Y	* UNISOUTH GENETICS USG 75B21R	69.6			1.0
3, 5	CONV	UNISOUTH GENETICS USG 5601T	69.0	<b>56.9</b>	<b>63.9</b>	2.5
	CONV	UNIVERSITY OF ARKANSAS OSAGE	68.6	50.6		2.0
6	RR	* SCHILLINGER SEED 557.RC	66.6	52.2	61.7	1.5
3, 5, 12	R2Y	DELTA GROW 5656RR2	66.1			1.5
3, 5	RR	UNISOUTH GENETICS USG ALLEN	65.7	52.7		2.0
3, 5, 12	LL	* DELTA GROW 5461 LL	65.5	49.2		1.0
18	R2Y	* SOUTHERN STATES SS 5312N R2	65.5			3.5
none	CONV-P	GLENN	64.8	49.5	57.4	3.5
	RR	REV 51R53	64.3			1.0
	EXP R2Y	* SOUTHERN STATES SS 5112N R2	63.6			2.5
3, 5, 12	R2Y	* DELTA GROW 5252 RR2	63.6			2.0
3, 5, 12	RR/STS	* DELTA GROW 5300 RR/STS	63.2	47.9	56.2	2.5
18	LL	* SOUTHERN STATES LL 511N	63.0	46.3	57.3	2.0
3, 5, 12	R2Y	DELTA GROW 5110 RR2	63.0			1.5
2	R2Y	* ASGROW AG5232	62.9			3.5
	RR	* PIONEER 95Y10	62.7			1.0
18	R2Y	* HORNBECK HBK RY5220	62.6	47.0		3.5
	RR	* REV 55R21	62.4			1.0
18	LL	* HALO 5: 25	61.8	50.6	57.8	2.0
3, 5	CONV	UNISOUTH GENETICS USG 5002T	61.3	49.0	58.3	3.0
18	RR/STS	* SOUTHERN STATES RT 5160N STS	61.2	48.4	56.1	2.0
	CONV	UNIVERSITY OF ARKANSAS OZARK	60.7	49.4		2.5
3, 5, 12	R2Y	* DELTA GROW 5275 RR2	60.2	46.1		3.0
20, 21, 23, 24	LL	* CAVERNDAL CF 505 LLn	60.1			4.0
3, 5, 12	RR	* DELTA GROW 5545 RR	59.4			3.0
3, 5, 12	RR	* DELTA GROW 5555 RR	59.4	46.8	56.0	4.0
4, 5	EXP CONV	* USDA-ARS JTN-5203	59.4			3.5
	R2Y	CAVERNDAL CF 506 RR2Yn	59.1			3.0
	EXP R2Y	SOUTHERN STATES SS 5111N R2	57.3			2.0
3, 5, 12	RR/STS	* DELTA GROW 5160 RR/STS	57.0	41.4	55.7	3.5
18	R2Y	* SOUTHERN STATES SS 5311N R2	56.1			3.0
3, 5	RR	UNISOUTH GENETICS USG 75R31R	56.0			3.0
none	CONV-P	ESSEX (long term check-released 1974)	53.9	40.0	48.6	4.0
3, 5, 12	RR	* DELTA GROW 5280 RR	50.7	43.4	51.1	3.0
<b>GROUP V AVERAGE</b>			<b>62.1</b>	<b>48.2</b>	<b>56.7</b>	<b>2.5</b>
LSD (0.10)			5.8	3.8	3.2	
C.V.			7.1	7.8	7.7	

<sup>A</sup> See Table 4 for seed treatment code names.

<sup>B</sup> \* Resistance to Soybean Cyst Nematode. See Table 3. Company Disease Resistance Specifications for details.

CONV Conventional variety (ie: not LL, RR, or R2Y).

EXP Experimental entries are varieties that are still under development or soon to be released.

LL LibertyLink variety - Ignite herbicide tolerant, trait introduced in 2009.

P Public variety.

RR Roundup Ready variety - RR1 first generation, original trait introduced in 1996.

R2Y Roundup Ready 2 Yield variety - trait introduced in 2009.

STS Sulfonylurea herbicide tolerant soybean variety - trait introduced in 1994.

<sup>C</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.



**Table 7. 2011 Kentucky Soybean Variety Tests, Calloway County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LODGING 2011
			2011	2010-11	2009-11	
<b>Maturity Group III (relative MG 3.0-3.9)</b>						
1, 10, 17	RR	* SEED CONSULTANTS SCS 9381RR™	48.6	39.5		1.0
	R2Y	* ARMOR 39-R16	46.2			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9392RR™	45.7			1.0
2	R2Y	* ASGROW AG3931	45.2	37.1		1.0
2	R2Y	* DYNA-GRO 32RY39	44.4			1.0
	RR	* REV 38R10	44.3	35.8		1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9362RR™	43.8			1.0
	RR	* S39-A3 BRAND	43.4	38.7	47.2	1.0
18	R2Y	* SOUTHERN STATES SS 3811N R2	43.1			1.0
2	R2Y	* STEWART 3412R2	43.0			1.0
	R2Y	* ARMOR X1203	42.4			1.0
	CONV	* STINE 3900-2	42.3			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9351RR™	42.1	33.6		1.0
	R2Y	* S39-U2 BRAND	41.6			1.0
18	R2Y	* SOUTHERN STATES SS 3910N R2	41.6	35.2		1.0
	RR	* PIONEER 93Y92	41.4	34.7	46.1	1.5
2	R2Y	* DYNA-GRO 37RY39	41.1			1.0
6	R2Y	* PROGENY 3911 RY	40.8			1.0
18	R2Y	* SOUTHERN STATES SS 3911N R2	40.8			1.0
	EXP R2Y	* SOUTHERN STATES SS 3712N R2	40.7			1.0
3, 5	RR/STS	* UNISOUTH GENETICS USG 73H77	40.2			1.0
6	R2Y	* DAIRYLAND DSR-3805/R2Y	40.1			1.0
	LL	* DYNA-GRO 34LL37	39.9			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9370RR™	39.9	35.3	44.6	1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9390RR™	39.8	33.9	43.6	1.0
20, 21, 23, 24	R2Y	* CAVERNDAL CF 386 RR2Yn	39.7			1.0
2	R2Y	* BIOGENE BG 7391	39.6			1.0
2	R2Y	* ASGROW AG3932	38.9			1.0
	R2Y	* ARMOR X1201	38.7			1.0
	CONV	* SOUTHERN STATES SS 385	38.2			1.0
	CONV	* PIONEER 93Y83	38.1			1.0
6	R2Y	* DAIRYLAND DST38-002/R2Y	38.0			1.0
18	RR	* SOUTHERN STATES RT 3971N	37.9	31.2	41.8	1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9360RR™	37.7	32.0		1.0
6	R2Y	* PFISTER 38R25	37.6			1.0
	RR	* PIONEER 93Y82	37.2	30.7		1.5
2	R2Y	* CHANNEL 3701R2	36.9			1.0
2	R2Y	* ASGROW AG3832	36.4			1.0
2	R2Y	* STEWART 3800R2	34.7	30.0		1.0
18	LL	* SOUTHERN STATES LL 396N	32.6	32.7		1.0
		<b>GROUP III AVERAGE</b>	<b>40.6</b>	<b>34.3</b>	<b>44.7</b>	<b>1.0</b>
		LSD (0.10)	5.0	3.2	3.0	
		C.V.	9.5	9.5	10.3	
<b>Maturity Group IV Early (relative MG 4.0-4.5)</b>						
	R2Y	* L&M GLICK 412R2	55.7			1.0
2	R2Y	* ASGROW AG4032	52.0			1.5
6	R2Y	* DAIRYLAND DST45-001/R2Y	51.4			1.0
2	R2Y/STS	* ASGROW AG4531	50.9	39.9		1.0
2	R2Y/STS	* ASGROW AG4232	50.5			1.5
	EXP R2Y	* SOUTHERN STATES SS 4312N R2	50.1			1.0
6	RR	* DAIRYLAND DSR-4300/RR	50.1	44.3	50.7	1.0
	RR	* PIONEER 94Y20	50.0	39.9	48.5	1.0
18	R2Y	* STEYER 4203R2	49.8			1.0
6	R2Y	* DAIRYLAND DSR-4242/R2Y	49.2			2.0
6	R2Y	* PFISTER 45R23	49.2			1.0
18	R2Y	* STEYER 4502R2	49.1			1.5
	R2Y	* ARMOR 46-R42	49.0			1.0
2	R2Y	* BIOGENE BG 7420	48.9	35.4		1.0
18	RR	* STEYER 4430RR	48.9	40.0	48.2	1.0
2	R2Y	* BIOGENE BG 7421	48.8			1.0
	R2Y	* ARMOR X1204	48.3			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9450RR™	47.8	35.4	43.6	1.0
1, 10, 17	RR/STS	* SEED CONSULTANTS SCS 9421RR™	47.8	39.4		1.0
	RR	* PIONEER 94Y22	47.5			1.0
	CONV	* PIONEER 94Y21	47.4	36.3		1.0
20, 21, 23, 24	LL	* CAVERNDAL CF 411 LLn	47.3	38.2		1.5
	RR	* S44-D5 BRAND	47.0	39.1	48.3	1.5
	RR	* L&M GLICK 843R	47.0	36.6	44.0	1.0
6	R2Y	* DAIRYLAND DSR-4141/R2Y	46.9			3.0
2	R2Y	* DYNA-GRO 31RY45	46.9			1.0
	RR	* PIONEER 94Y50	46.8			1.0
18	R2Y	* STEYER 4501R2	46.8	39.2		1.0
6	RR/STS	* DAIRYLAND DSR-4500/RRSTS	46.7	41.7	49.9	1.0
	R2Y	* S42-T4 BRAND	46.7	38.4		1.0
	CONV/STS	* CAVERNDAL CF 434 STSn	46.6			1.0
3, 5	RR	* UNISOUTH GENETICS USG 74A45	46.5			1.0
22	RR	* BECK 432NR	46.4	37.3		1.0
	CONV	* L&M GLICK 55N	46.4			1.5
6	R2Y	* PROGENY 4211 RY	46.3			1.0
6	R2Y	* DAIRYLAND DST43-001/R2Y	46.3			1.0
6	R2Y	* UNISOUTH GENETICS USG 74F11R	46.1			1.0
6	R2Y	* DAIRYLAND DST45-002/R2Y	46.0			1.5
2	R2Y	* CHANNEL 4405R2	45.8			1.0
	RR	* REV 45R10	45.6	36.2		1.5
2	R2Y	* STEWART 4212R2	45.6			1.0
18	RR	* SOUTHERN STATES RT 4370N	45.6	37.5	47.4	1.0
	CONV	* UNIVERSITY OF MISSOURI S08-15072	45.2			1.0
19	RR	* CROPLAN GENETICS RC4417	45.1	36.6		1.5

**Agronomic Information**

**Location**

Calloway County

**Soil Type**

Calloway Silt Loam

**Planting Date**

5/31/11

**Harvest Dates**

MG III 10/1/11

MG IV Early and Late 10/1/11

MG V 10/22/11

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**Table 7. 2011 Kentucky Soybean Variety Tests, Calloway County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LOGGING 2011
			2011	2010-11	2009-11	
2	R2Y	* STEWART 4509R2	45.1	38.6		1.0
6	R2Y	* STINE 40RC32	45.0			1.0
	RR	REV 44R22	44.8	36.3		1.0
3, 5	RR/STS	* UNISOUTH GENETICS USG 74B58	44.7	36.5		1.0
6	R2Y	* PROGENY 4510 RY	44.6	38.5		1.0
22	LL	* BECK 456NL	44.5			1.0
20, 21, 23, 24	R2Y	* CAVERNDALE CF 436 RR2Yn	44.1			1.0
2	R2Y	* DYNA-GRO 39RY43	43.9			1.0
2	R2Y	* DYNA-GRO 38RY45	43.7	36.5		1.0
2	R2Y	* STEWART 4012R2	43.2			1.0
	R2Y	* ARMOR X1206	43.0			1.0
	CONV	* SOUTHERN STATES SS 435	42.9			1.0
6	R2Y	* STINE 45RC32	42.8			1.0
22	LL	* BECK 426NL	42.8			1.0
2	R2Y	* CHANNEL 4505R2	42.7			1.0
18	RR/STS	* SOUTHERN STATES RT 4470N STS	42.6	33.6	45.6	1.0
18	LL	* SOUTHERN STATES LL 430N	42.5	39.2	47.4	1.0
2	R2Y	* STEWART 4512R2	41.9			1.0
6	R2Y	* PFISTER 43R29	41.5			1.0
18	LL	* SOUTHERN STATES LL 450N	41.2	37.2	45.8	1.0
2	R2Y	* STEWART 4412R2	41.2			1.0
2	R2Y	* CHANNEL 4205R2	40.8			1.0
18	R2Y	* SOUTHERN STATES SS 4510N R2	40.2	35.9		1.0
	RR	* PIONEER 94Y40	39.9			1.0
4, 10	RR/STS	* DYNA-GRO V42N9RS	39.6	35.3	47.8	1.0
6	RR	* SCHILLINGER SEED 457.RCP	38.8	35.4		2.0
2	R2Y	* BIOGENE BG 7450	37.4	34.1		1.0
2	R2Y/STS	* ASGROW AG4031	37.2	33.6		1.0
<b>GROUP IV Early AVERAGE</b>			<b>45.7</b>	<b>37.5</b>	<b>47.3</b>	<b>1.1</b>
LSD (0.10)			4.4	3.6	2.9	
C.V.			7.4	9.6	9.0	
<b>Maturity Group IV Late (relative MG 4.6-4.9)</b>						
3, 5	LL	UNISOUTH GENETICS USG 74G99L	<b>60.9</b>			1.0
6	RR	* DAIRYLAND DSR-8482/RR	60.2	<b>48.4</b>	<b>54.3</b>	4.0
2	R2Y	* ASGROW AG4832	58.9			1.5
6	CONV	* PROGENY 4910	57.7	41.7		1.0
	R2Y	* ARMOR X1208	56.7			2.0
18	R2Y	HORNBECK HBK RY4620	56.5	45.0		2.0
18	R2Y	SOUTHERN STATES SS 4711N R2	56.0			1.0
3, 5, 12	RR	* DELTA GROW 4880 RR	55.4	46.4		2.5
	RR	* PIONEER 94Y70	55.4	45.2	51.8	2.0
	RR	* CROPLAN GENETICS RC 4877	55.0			3.0
	R2Y	* ARMOR X1209	54.8			2.0
6	R2Y	* PROGENY 4811 RY	54.4			1.0
	RR	547-R3 BRAND	53.8	40.6		4.0
6	R2Y	* PROGENY 4611 RY	53.8			2.5
	R2Y	* S46-A1 BRAND	53.8			2.0
	RR	REV 48R21	53.7			2.5
	CONV-P	* HANOVER	53.6			1.0
18	R2Y	* STEYER 4701R2	53.5			1.5
1, 10, 17	RR	* SEED CONSULTANTS SCS 9472RR™	53.4			2.5
6	R2Y	* STINE 48RC32	53.1			1.0
2	R2Y	* ASGROW AG4732	53.0			2.0
6	RR	PROGENY 4908 RR	53.0	44.8	49.8	1.0
6	RR	* SCHILLINGER SEED 4990.RC	52.8	44.0	52.9	2.0
6	RR	* PROGENY 4750 RR	52.7	39.4		4.0
	RR	* REV 49R43	52.5			4.0
18	RR/STS	* SOUTHERN STATES RT 4808N STS	51.8	41.4	48.4	1.0
6	R2Y	* PROGENY 4710 RY	51.5	42.1		2.0
4, 10	RR	* DYNA-GRO 39D48	51.3			2.0
22	RR	* BECK 495NR	51.0			2.0
6	RR	PROGENY 4906 RR	51.0	41.0	48.6	1.0
	RR	* REV 48R33	50.9			2.0
2	R2Y	* DYNA-GRO 33RY47	50.9			1.5
2	R2Y	LG SEEDS C4625R2	50.6			1.5
6	R2Y	PROGENY 4911 RY	50.6			1.0
2	R2Y	* BIOGENE BG 7460	50.3			1.0
3, 5, 12	R2Y	* DELTA GROW 4875 RR2	50.0			2.0
3, 5, 12	R2Y	* DELTA GROW 4670 RR2	49.7			2.0
18	LL	* HALO 4: 65	49.7	43.6	50.8	2.5
22	LL	* BECK 476NL	49.6			2.0
2	R2Y	* ASGROW AG4632	49.5			2.0
	RR	* PIONEER 94Y61	49.5			1.0
18	R2Y	* SOUTHERN STATES SS 4700 R2	49.3	40.0		1.0
	RR	REV 47R53	49.2			1.0
6	RR	* SCHILLINGER SEED 458.RCS	49.1			1.0
	R2Y	ARMOR 48-R40	48.9	41.9		1.0
	RR	* REV 48R10	48.3	40.0		1.5
3, 5, 12	RR	* DELTA GROW 4770 RR	48.1	40.7	48.8	2.0
3, 5	RR	UNISOUTH GENETICS USG 74A91	47.9			1.0
	RR	* ARMOR X1210	47.8			3.5
18	RR	* HORNBECK HBK R4924	47.8	39.6	49.0	1.0
18	LL	HALO 4: 75	47.7			1.0
18	LL	* SOUTHERN STATES LL 491N	47.4			2.0
20, 21, 23, 24	R2Y	* CAVERNDALE CF 476 RR2Yn	47.1			2.5
	RR	* UNISOUTH GENETICS USG 74H81	47.0			1.5
2	R2Y	* STEWART 4712R2	46.8			1.0
	RR	* PIONEER 94Y60	46.6	34.6	45.6	1.0
	R2Y	ARMOR X1247	46.5			1.5

continued on next page

**Table 7. 2011 Kentucky Soybean Variety Tests, Calloway County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LOGGING 2011
			2011	2010-11	2009-11	
18	RR	HORNBECK HBK R4729	46.5	39.8	47.3	1.5
18	LL	* SOUTHERN STATES LL 499N	46.4	38.7	51.7	1.5
20, 21, 23, 24	LL	* CAVERNDALE CF 465 Lln	46.2			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9480RR™	46.2	35.2	44.6	1.0
3, 5, 12	RR	* DELTA GROW 4970 RR	45.6	38.1	47.9	1.0
2	R2Y/STS	* DYNA-GRO 37RY47	45.4	36.1		1.5
	RR	REV 48R22	45.2			1.0
2	R2Y	* ASGROW AG4932	45.1			1.5
6	R2Y	* DAIRYLAND DST47-002/R2Y	45.1			1.0
	CONV	UNIVERSITY OF ARKANSAS UA4910	45.1	40.6		1.0
6	R2Y	* PFISTER 47R24	44.9			2.0
18	RR	* SOUTHERN STATES RT 4760N	44.8	37.5		1.0
18	LL	* HALO 4: 94	44.6	38.1	50.7	1.0
	R2Y	* CROPLAN GENETICS RR2C4660	44.3	34.2		1.0
6	RR	* PROGENY 4807 RR	44.2	41.9	49.1	1.0
6	RR	* SCHILLINGER SEED 478.RCS	44.1	37.0		1.5
18	RR	* HORNBECK HBK R4829	44.0	38.5		1.0
6	R2Y	* STINE 47RC32	43.9			1.0
none	CONV-P	PENNYRILE (long term check-released 1987)	43.2	35.2	42.6	1.5
	RR	* REV 49R11	43.1	34.7		1.0
18	RR/STS	* SOUTHERN STATES RT 4996N STS	43.0	37.5	47.2	2.0
6	LL	* PROGENY 4928 LL	42.6	38.9		1.0
6	RR	* SCHILLINGER SEED 495.RC	42.4	37.8	47.8	1.0
	RR	* S49-A5 BRAND	42.2	35.6		1.0
	RR	REV 49R22	41.6			1.5
6	RR	* DAIRYLAND DSR-4810/RR	41.0	35.6	44.8	1.0
	RR	* ARMOR X1211	40.7			2.5
3, 5, 12	LL	* DELTA GROW 4861 LL	40.5	33.1		1.0
3, 5, 12	RR	* DELTA GROW 4975 RR	39.4	33.6	44.5	1.0
18	RR	HORNBECK HBK R4830	39.0			1.5
22	RR	* BECK 477NR	38.3			1.5
		<b>GROUP IV Late AVERAGE</b>	<b>48.8</b>	<b>39.4</b>	<b>48.5</b>	<b>1.6</b>
		LSD (0.10)	7.0	4.6	3.5	
		C.V.	11.1	11.7	10.0	
		<b>Maturity Group V (relative MG 5.0-5.0)</b>				
3, 5	CONV	UNISOUTH GENETICS USG 5601T	<b>72.0</b>	<b>55.4</b>	<b>62.2</b>	2.5
3, 5, 12	R2Y	* UNISOUTH GENETICS USG 75B21R	68.7			1.0
18	R2Y	* SOUTHERN STATES SS 5312N R2	64.8			2.0
3, 5, 12	RR/STS	* DELTA GROW 5160 RR/STS	63.8	47.3	51.3	1.0
18	LL	* HALO 5: 25	63.7	48.8	56.8	2.0
18	R2Y	* SOUTHERN STATES SS 5311N R2	62.9			3.0
3, 5, 12	R2Y	* DELTA GROW 5565 RR2	61.7			3.0
18	R2Y	* HORNBECK HBK RY5220	61.6	45.4		3.5
	CONV	UNIVERSITY OF ARKANSAS OZARK	60.7	48.3		3.0
	EXP R2Y	* SOUTHERN STATES SS 5112N R2	60.4			3.5
2	R2Y	* ASGROW AG5232	60.0			2.0
3, 5, 12	R2Y	DELTA GROW 5110 RR2	58.7			2.5
3, 5	RR	UNISOUTH GENETICS USG 75R31R	57.9			4.0
3, 5	RR	UNISOUTH GENETICS USG ALLEN	57.4	46.6		2.0
none	CONV-P	GLENN	57.2	43.1	50.5	4.0
4, 5	EXP CONV	* USDA-ARS JTN-5203	56.7			3.5
18	LL	* SOUTHERN STATES LL 511N	56.5	43.4	54.0	1.0
	CONV	UNIVERSITY OF ARKANSAS OSAGE	56.4	46.1		1.0
	EXP R2Y	SOUTHERN STATES SS 5111N R2	55.7			3.0
3, 5, 12	R2Y	DELTA GROW 5656RR2	55.5			1.0
3, 5, 12	R2Y	* DELTA GROW 5275 RR2	54.1	37.5		2.5
	RR	REV 51R53	53.5			1.0
3, 5, 12	R2Y	* DELTA GROW 5252 RR2	51.7			1.0
	R2Y	CAVERNDALE CF 506 RR2Yn	51.1			2.5
	RR	* REV 55R21	50.4			2.0
	RR	* PIONEER 95Y10	50.3			1.0
3, 5, 12	RR	* DELTA GROW 5280 RR	50.2	44.1	53.2	4.5
6	RR	* SCHILLINGER SEED 557.RC	49.8	41.2	53.5	3.0
3, 5, 12	RR	* DELTA GROW 5545 RR	49.7			3.0
18	RR/STS	* SOUTHERN STATES RT 5160N STS	48.8	43.1	52.6	2.0
20, 21, 23, 24	LL	* CAVERNDALE CF 505 Lln	46.3			2.5
3, 5	CONV	UNISOUTH GENETICS USG 5002T	46.3	39.5	50.2	2.0
none	CONV-P	ESSEX (long term check-released 1974)	46.0	33.9	42.1	1.5
3, 5, 12	LL	* DELTA GROW 5461 LL	45.0	32.8		1.0
3, 5, 12	RR/STS	* DELTA GROW 5300 RR/STS	44.6	38.2	49.2	2.0
3, 5, 12	RR	* DELTA GROW 5555 RR	42.8	41.0	51.9	4.0
		<b>GROUP V AVERAGE</b>	<b>55.3</b>	<b>43.1</b>	<b>52.3</b>	<b>2.3</b>
		LSD (0.10)	8.7	5.3	4.0	
		C.V.	12.0	12.1	10.5	

<sup>A</sup> See Table 4 for seed treatment code names.

<sup>B</sup> \* Resistance to Soybean Cyst Nematode. See Table 3. Company Disease Resistance Specifications for details.

CONV Conventional variety (ie: not LL, RR, or R2Y).

EXP Experimental entries are varieties that are still under development or soon to be released.

LL LibertyLink variety - Ignite herbicide tolerant, trait introduced in 2009.

P Public variety.

RR Roundup Ready variety - RR1 first generation, original trait introduced in 1996.

R2Y Roundup Ready 2 Yield variety - trait introduced in 2009.

STS Sulfonyleurea herbicide tolerant soybean variety - trait introduced in 1994.

<sup>C</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**Table 8. 2011 Kentucky Soybean Variety Tests, Fayette County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LODGING 2011	PLANT HEIGHT (IN) 2011	MATURITY DATE 2011 <sup>D</sup>
			2011	10-11	09-11			
<b>Maturity Group III (relative MG 3.0-3.9)</b>								
1, 10, 17	RR	* SEED CONSULTANTS SCS 9381RR™	71.7	67.7		1.0	41	28
	EXP R2Y	* SOUTHERN STATES SS 3712N R2	69.7			1.0	42	24
2	R2Y	* STEWART 3800R2	69.5	64.9		1.0	47	23
	R2Y	* ARMOR X1201	68.2			1.5	46	30
2	R2Y	* ASGROW AG3832	68.2			1.5	39	23
18	R2Y	* SOUTHERN STATES SS 3911N R2	68.1			2.0	46	27
2	R2Y	* STEWART 3412R2	68.0			1.0	41	22
6	R2Y	* PFISTER 38R25	67.6			1.0	42	24
1, 10, 17	RR	SEED CONSULTANTS SCS 9360RR™	67.6	63.1		2.0	47	25
2	R2Y	* ASGROW AG3931	67.2	63.5		2.5	51	30
	R2Y	* ARMOR X1203	67.0			3.5	46	29
	R2Y	* S39-U2 BRAND	66.8			1.5	43	25
18	R2Y	* SOUTHERN STATES SS 3811N R2	66.8			1.0	48	27
2	R2Y	* DYNA-GRO 37RY39	65.9			1.5	43	29
2	R2Y	* BIOGENE BG 7391	65.6			1.0	47	26
	CONV	* SOUTHERN STATES SS 385	65.5			2.0	43	27
	LL	* DYNA-GRO 34LL37	65.4			2.0	41	25
2	R2Y	* DYNA-GRO 32RY39	64.9			1.0	43	22
20, 21, 23, 24	R2Y	* CAVERNDAL CF 386 RR2Yn	64.5			1.0	43	23
2	R2Y	* ASGROW AG3932	64.1			1.0	46	23
	RR	* PIONEER 93Y92	64.1	60.1	67.2	1.5	44	26
6	R2Y	PROGENY 3911 RY	64.0			1.0	42	23
1, 10, 17	RR	* SEED CONSULTANTS SCS 9362RR™	63.7			1.0	45	25
18	RR	* SOUTHERN STATES RT 3971N	63.4	58.2	62.0	1.0	42	29
	RR	* PIONEER 93Y82	63.3	61.1		1.0	44	24
	RR	* REV 38R10	63.1	62.3		1.5	43	27
18	R2Y	* SOUTHERN STATES SS 3910N R2	63.1	61.4		1.5	45	27
1, 10, 17	RR	* SEED CONSULTANTS SCS 9390RR™	62.9	60.1	63.0	1.0	44	26
2	R2Y	* CHANNEL 3701R2	62.8			1.0	43	24
	CONV	STINE 3900-2	62.8			1.0	42	28
1, 10, 17	RR	* SEED CONSULTANTS SCS 9370RR™	62.7	61.3	67.2	1.0	45	23
	CONV	* PIONEER 93Y83	62.6			2.0	47	27
6	R2Y	* DAIRYLAND DST38-002/R2Y	62.5			1.0	46	27
	R2Y	* ARMOR 39-R16	61.3			1.0	40	23
6	R2Y	* DAIRYLAND DSR-3805/R2Y	60.8			2.5	43	26
1, 10, 17	RR	* SEED CONSULTANTS SCS 9392RR™	60.1			3.5	47	23
3, 5	RR/STS	* UNISOUTH GENETICS USG 73H77	59.0			3.5	41	23
18	LL	* SOUTHERN STATES LL 396N	58.3	59.6		1.5	42	24
1, 10, 17	RR	* SEED CONSULTANTS SCS 9351RR™	56.6	56.9		1.0	45	23
	RR	* S39-A3 BRAND	54.3	59.5	65.6	2.5	44	24
<b>GROUP III AVERAGE</b>			<b>64.3</b>	<b>61.4</b>	<b>65.0</b>	<b>1.5</b>	<b>44</b>	<b>25 (9/25/11)</b>
LSD (0.10)			5.6	3.7	3.2			
C.V.			6.7	6.5	6.7			
<b>Maturity Group IV Early (relative MG 4.0-4.5)</b>								
	EXP R2Y	* SOUTHERN STATES SS 4312N R2	85.3			1.0	43	32
6	R2Y	PROGENY 4510 RY	77.5	63.2		1.0	45	35
2	R2Y	* STEWART 4512R2	76.8			2.5	43	35
6	R2Y	* PFISTER 43R29	76.6			1.0	45	33
6	R2Y	* PFISTER 45R23	76.3			2.0	49	35
6	R2Y	* DAIRYLAND DST45-001/R2Y	75.9			1.5	45	33
	R2Y	* ARMOR X1204	75.5			1.0	45	33
	R2Y	* ARMOR X1206	75.4			2.0	44	36
2	R2Y	* CHANNEL 4405R2	73.7			2.0	42	36
2	R2Y	* DYNA-GRO 38RY45	73.7	62.8		1.0	44	32
2	R2Y	* DYNA-GRO 39RY43	73.7			1.0	45	32
18	RR/STS	* SOUTHERN STATES RT 4470N STS	73.4	60.6	64.1	1.0	43	35
18	R2Y	* STEYER 4502R2	73.3			1.0	47	34
2	R2Y	* BIOGENE BG 7450	73.2	65.4		1.5	52	35
2	R2Y	* STEWART 4509R2	73.1	63.5		1.0	44	34
18	R2Y	* STEYER 4203R2	72.8			1.0	46	32
22	RR	* BECK 432NR	72.8	60.1		1.0	40	32
2	R2Y	* CHANNEL 4205R2	72.0			1.0	47	32
	RR	* PIONEER 94Y50	72.0			1.0	48	34
2	R2Y	* ASGROW AG4032	71.7			1.0	47	29
2	R2Y	* STEWART 4412R2	71.5			1.0	46	33
2	R2Y/STS	* ASGROW AG4232	71.1			1.0	48	32
2	R2Y/STS	* ASGROW AG4031	70.8	67.5		1.0	41	31
6	R2Y	* PROGENY 4211 RY	70.7			1.0	46	33
2	R2Y	* BIOGENE BG 7421	70.4			1.0	44	32
	R2Y	* L&M GLICK 412R2	70.3			1.0	43	33
1, 10, 17	RR/STS	* SEED CONSULTANTS SCS 9421RR™	70.3	60.9		1.0	41	32
2	R2Y	* DYNA-GRO 31RY45	69.9			2.0	43	34
4, 10	RR/STS	* DYNA-GRO V42N9RS	69.5	65.5	68.1	1.0	44	32
2	R2Y/STS	ASGROW AG4531	69.4	63.1		1.0	46	33
20, 21, 23, 24	R2Y	* CAVERNDAL CF 436 RR2Yn	69.2			1.0	45	33
6	R2Y	* STINE 45RC32	69.1			2.0	47	36
6	R2Y	* DAIRYLAND DSR-4141/R2Y	68.5			3.5	50	34
2	R2Y	* STEWART 4212R2	68.4			1.0	43	32
6	R2Y	* DAIRYLAND DSR-4242/R2Y	68.3			2.0	49	34
3, 5	RR/STS	* UNISOUTH GENETICS USG 74B58	67.8	58.1		1.0	39	32
18	R2Y	* STEYER 4501R2	67.4	60.5		1.0	43	35
	RR	* PIONEER 94Y40	67.0			1.0	42	34
	R2Y	* ARMOR 46-R42	66.6			1.0	45	32
2	R2Y	* STEWART 4012R2	66.6			2.0	40	29
2	R2Y	* BIOGENE BG 7420	66.4	63.4		2.5	48	29
	CONV/STS	* CAVERNDAL CF 434 STSn	66.3			1.0	42	32
6	R2Y	* DAIRYLAND DST45-002/R2Y	66.1			1.5	48	35
18	R2Y	* SOUTHERN STATES SS 4510N R2	66.1	56.2		1.0	54	38

**Agronomic Information**

**Location**  
Fayette County

**Soil Type**  
Maury Silt Loam

**Planting Date**  
5/12/11

**Harvest Dates**  
MG III 10/3/11  
MG IV Early and Late  
10/17/11  
MG V 10/25/11

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**Table 8. 2011 Kentucky Soybean Variety Tests, Fayette County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LODGING 2011	PLANT HEIGHT (IN) 2011	MATURITY DATE 2011 <sup>D</sup>
			2011	10-11	09-11			
22	LL	* BECK 426NL	66.1			2.0	48	32
1, 10, 17	RR	* SEED CONSULTANTS SCS 9450RR™	65.4	57.6	63.4	2.5	52	35
6	R2Y	* DAIRYLAND DST43-001/R2Y	65.0			1.0	47	35
2	R2Y	* CHANNEL 4505R2	64.6			2.5	44	32
	RR	* PIONEER 94Y20	64.5	62.0	65.4	1.5	49	33
20, 21, 23, 24	LL	* CAVERNDAL CF 411 LLn	64.4	58.2		2.0	52	32
	CONV	* L&M GLICK 55N	63.9			3.0	42	32
	RR	* REV 44R22	63.7	50.5		1.0	47	32
	RR	* REV 45R10	63.7	59.8		2.5	53	32
	RR	* PIONEER 94Y22	63.2			1.0	42	32
	RR	* S44-D5 BRAND	62.7	57.8	65.9	1.0	45	32
6	R2Y	* STINE 40RC32	62.4			2.5	49	28
18	LL	* SOUTHERN STATES LL 430N	62.3	63.2	66.2	2.5	47	36
	R2Y	* S42-T4 BRAND	62.0	52.8		1.5	53	32
6	RR	* DAIRYLAND DSR-4300/RR	60.9	54.0	62.6	3.5	46	33
6	RR/STS	* DAIRYLAND DSR-4500/RRSTS	60.0	48.8	56.2	1.5	45	34
	CONV	* SOUTHERN STATES SS 435	59.3			1.0	47	33
	RR	* L&M GLICK 843R	59.2	54.4	60.4	3.0	46	31
6	RR	* SCHILLINGER SEED 457.RCP	58.4	52.8		4.0	58	36
	CONV	* PIONEER 94Y21	58.2	54.4		1.0	40	30
22	LL	* BECK 456NL	58.0			4.0	47	33
6	R2Y	* UNISOUTH GENETICS USG 74F11R	57.9			3.0	46	31
18	RR	* STEYER 4430RR	57.7	56.6	63.3	1.0	41	32
3, 5	RR	* UNISOUTH GENETICS USG 74A45	55.7			2.5	54	33
18	RR	* SOUTHERN STATES RT 4370N	55.4	52.8	59.8	2.0	51	33
	CONV	* UNIVERSITY OF MISSOURI S08-15072	55.2			2.5	45	32
19	RR	* CROPLAN GENETICS RC4417	55.1	52.7		3.5	51	34
18	LL	* SOUTHERN STATES LL 450N	47.9	44.2	54.6	4.0	51	30
<b>GROUP IV Early AVERAGE</b>			<b>67.1</b>	<b>58.2</b>	<b>62.5</b>	<b>1.7</b>	<b>46</b>	<b>33 (10/3/11)</b>
LSD (0.10)			6.1	5.2	3.9			
C.V.			7.0	9.1	8.2			
<b>Maturity Group IV Late (relative MG 4.6-4.9)</b>								
2	R2Y	LG SEEDS C4625R2	<b>67.6</b>			1.0	43	32
6	R2Y	* PFISTER 47R24	66.5			1.0	50	33
2	R2Y/STS	* DYNA-GRO 37RY47	66.3	<b>63.8</b>		1.0	42	33
18	R2Y	SOUTHERN STATES SS 4711N R2	66.0			1.0	50	34
3, 5, 12	R2Y	* DELTA GROW 4670 RR2	65.8			1.0	45	31
6	R2Y	* STINE 48RC32	64.6			1.0	42	33
	R2Y	* ARMOR X1208	64.3			1.5	47	33
2	R2Y	* ASGROW AG4832	64.0			1.0	47	34
2	R2Y	* STEWART 4712R2	63.6			1.5	50	33
2	R2Y	* ASGROW AG4632	63.4			2.0	46	36
2	R2Y	* ASGROW AG4732	62.4			1.0	48	31
	RR	* REV 49R11	62.0	54.0		1.0	45	33
3, 5, 12	R2Y	* DELTA GROW 4875 RR2	61.9			2.0	49	33
6	R2Y	* PROGENY 4710 RY	61.3	58.0		1.0	42	34
	R2Y	* ARMOR 48-R40	61.1	57.0		1.0	45	31
	RR	* REV 48R33	60.7			1.5	55	33
18	RR	* SOUTHERN STATES RT 4760N	60.4	57.8		3.0	47	32
2	R2Y	* BIOGENE BG 7460	60.1			1.0	51	32
6	R2Y	* PROGENY 4811 RY	59.6			1.0	49	32
18	R2Y	* SOUTHERN STATES SS 4700 R2	59.6	58.8		1.0	41	32
	RR	* PIONEER 94Y60	59.5	56.5	66.2	1.0	44	32
6	R2Y	* PROGENY 4611 RY	59.5			1.0	44	31
18	R2Y	* STEYER 4701R2	59.1			1.0	46	33
6	RR	* SCHILLINGER SEED 4990.RC	59.1	54.4	58.9	3.0	48	36
	R2Y	* CROPLAN GENETICS RR2C4660	58.8	52.5		1.0	47	33
6	R2Y	* PROGENY 4911 RY	58.3			2.5	57	35
20, 21, 23, 24	R2Y	* CAVERNDAL CF 476 RR2Yn	58.2			1.0	43	32
	RR	* REV 49R43	58.2			1.0	48	34
18	RR/STS	* SOUTHERN STATES RT 4808N STS	58.1	51.9	62.5	1.5	46	35
6	R2Y	* STINE 47RC32	57.8			1.0	44	30
	R2Y	* ARMOR X1209	57.4			1.0	49	30
22	RR	* BECK 495NR	57.4			1.0	48	33
6	RR	* SCHILLINGER SEED 458.RCS	57.4			1.0	46	35
	RR	* REV 47R53	57.1			1.0	44	31
2	R2Y	* ASGROW AG4932	56.6			1.0	48	33
	R2Y	* ARMOR X1247	56.4			1.0	44	32
	CONV	* UNIVERSITY OF ARKANSAS UA4910	56.3	52.2		1.0	43	34
	RR	* REV 48R10	55.3	49.8		1.0	48	33
	R2Y	* S46-A1 BRAND	54.5			1.0	47	33
	RR	* PIONEER 94Y70	54.3	57.2	68.6	1.0	49	32
6	RR	* DAIRYLAND DSR-8482/RR	54.3	48.4	60.1	1.0	47	35
18	LL	* SOUTHERN STATES LL 499N	54.1	50.0	53.2	1.0	47	35
18	RR	* HORNBECK HBK R4729	53.8	47.2	56.2	3.5	46	36
6	R2Y	* DAIRYLAND DST47-002/R2Y	53.7			1.0	48	31
18	LL	* HALO 4: 65	53.4	54.7	65.5	3.0	45	30
18	RR	* HORNBECK HBK R4924	53.3	50.2	59.0	3.0	53	36
18	R2Y	* HORNBECK HBK RY4620	53.3	50.4		1.0	45	31
6	RR	* PROGENY 4807 RR	53.0	50.5	60.7	1.0	46	31
	CONV-P	* HANOVER	52.9			3.0	38	35
22	LL	* BECK 476NL	52.7			2.5	54	36
	RR	* CROPLAN GENETICS RC 4877	52.6			1.0	47	31
	RR	* REV 48R21	52.6			1.5	43	33
1, 10, 17	RR	* SEED CONSULTANTS SCS 9472RR™	52.3			1.5	50	32
	RR	* REV 48R22	52.1			2.0	47	32
18	LL	* SOUTHERN STATES LL 491N	52.1			1.0	47	35
4, 10	RR	* DYNA-GRO 39D48	51.8			1.0	50	31
6	RR	* PROGENY 4908 RR	51.8	50.9	59.7	2.0	49	35

continued on next page

**Table 8. 2011 Kentucky Soybean Variety Tests, Fayette County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LODGING 2011	PLANT HEIGHT (IN) 2011	MATURITY DATE 2011 <sup>D</sup>
			2011	10-11	09-11			
	RR	* ARMOR X1211	51.7			3.0	52	35
	RR	547-R3 BRAND	51.7	46.8		1.0	46	35
	RR	* UNISOUTH GENETICS USG 74H81	51.7			1.0	48	31
22	RR	* BECK 477NR	51.6			2.0	49	37
2	R2Y	* DYNA-GRO 33RY47	51.5			1.0	49	30
3, 5, 12	RR	* DELTA GROW 4975 RR	51.1	51.5	59.6	1.0	49	35
6	RR	PROGENY 4906 RR	51.1	49.0	57.6	1.0	51	35
6	RR	* SCHILLINGER SEED 478.RCS	51.1	48.2		2.0	45	35
1, 10, 17	RR	* SEED CONSULTANTS SCS 9480RR™	50.8	46.3	61.3	1.0	43	30
6	RR	* SCHILLINGER SEED 495.RC	50.7	49.0	60.0	3.5	51	36
20, 21, 23, 24	LL	* CAVERNDALE CF 465 LLn	50.7			2.5	50	35
	RR	* ARMOR X1210	50.5			4.0	46	35
3, 5	LL	UNISOUTH GENETICS USG 74G99L	50.4			1.0	46	35
6	RR	* PROGENY 4750 RR	50.1	52.2		3.0	42	35
18	RR/STS	* SOUTHERN STATES RT 4996N STS	50.1	49.1	57.4	2.0	50	36
3, 5, 12	RR	* DELTA GROW 4770 RR	49.9	51.5	59.8	3.0	47	30
18	RR	* HORNBECK HBK R4829	49.7	48.2		2.0	46	34
18	LL	* HALO 4: 94	49.6	46.3	52.3	1.5	47	35
18	LL	HALO 4: 75	49.1			1.0	50	32
6	LL	* PROGENY 4928 LL	48.8	45.7		1.0	47	35
6	CONV	* PROGENY 4910	48.5	46.9		2.0	51	35
3, 5, 12	RR	* DELTA GROW 4880 RR	47.8	49.5		1.5	44	31
3, 5	RR	UNISOUTH GENETICS USG 74A91	47.6			1.0	47	33
	RR	* S49-A5 BRAND	47.5	46.4		2.0	55	36
3, 5, 12	RR	* DELTA GROW 4970 RR	47.3	46.0	56.3	3.0	51	35
6	RR	* DAIRYLAND DSR-4810/RR	47.1	48.5	57.3	1.5	47	32
18	RR	HORNBECK HBK R4830	46.2			3.0	53	37
3, 5, 12	LL	* DELTA GROW 4861 LL	46.1	45.9		1.0	49	27
	RR	* PIONEER 94Y61	45.8			1.0	43	31
	RR	REV 49R22	43.5			2.0	48	30
none	CONV-P	PENNYRILE (long term check-released 1987)	37.0	39.7	48.5	1.5	51	32
<b>GROUP IV Late AVERAGE</b>			<b>54.8</b>	<b>50.8</b>	<b>59.1</b>	<b>1.6</b>	<b>47</b>	<b>33 (10/3/11)</b>
		LSD (0.10)	5.8	4.2	3.8			
		C.V.	8.2	8.7	9.0			
<b>Maturity Group V (relative MG 5.0-5.9)</b>								
18	R2Y	* SOUTHERN STATES SS 5312N R2	<b>62.1</b>			2.0	47	44
3, 5, 12	R2Y	* DELTA GROW 5565 RR2	59.3			3.0	43	59
3, 5	RR	UNISOUTH GENETICS USG ALLEN	58.8	46.8		3.0	44	55
18	R2Y	* HORNBECK HBK RY5220	58.4	50.3		3.5	42	47
3, 5, 12	R2Y	DELTA GROW 5656RR2	58.3			1.5	44	47
3, 5, 12	R2Y	* DELTA GROW 5252 RR2	58.1			1.0	38	44
18	LL	* HALO 5: 25	57.8	53.4	<b>60.7</b>	2.0	34	45
18	LL	* SOUTHERN STATES LL 511N	57.4	51.6	58.4	1.0	36	44
	EXP R2Y	* SOUTHERN STATES SS 5112N R2	57.2			2.0	44	47
3, 5, 12	LL	* DELTA GROW 5461 LL	56.7	52.9		1.0	46	41
	EXP R2Y	SOUTHERN STATES SS 5111N R2	56.5			3.0	54	45
3, 5	CONV	UNISOUTH GENETICS USG 5601T	56.1	50.6	56.8	2.5	46	51
	RR	REV 51R53	55.7			1.0	41	46
	CONV	UNIVERSITY OF ARKANSAS OSAGE	55.6	50.7		1.0	40	47
3, 5	CONV	UNISOUTH GENETICS USG 5002T	55.5	51.9	54.2	2.5	35	44
2	R2Y	* ASGROW AG5232	55.5			2.0	42	45
6	RR	* SCHILLINGER SEED 557.RC	54.0	49.2	53.1	3.0	42	57
3, 5, 12	R2Y	* DELTA GROW 5275 RR2	53.7	<b>55.0</b>		2.5	43	48
3, 5, 12	R2Y	* UNISOUTH GENETICS USG 75B21R	53.2			1.0	48	41
4, 5	EXP CONV	* USDA-ARS JTN-5203	53.0			3.5	38	48
none	CONV-P	GLENN	52.7	46.0	50.5	2.5	40	44
	R2Y	CAVERNDALE CF 506 RR2Yn	52.2			2.5	43	46
	RR	* REV 55R21	52.0			2.0	44	52
3, 5, 12	R2Y	DELTA GROW 5110 RR2	51.8			2.5	49	51
	RR	* PIONEER 95Y10	51.8			1.0	44	43
3, 5	RR	UNISOUTH GENETICS USG 75R31R	51.6			4.0	56	51
3, 5, 12	RR	* DELTA GROW 5280 RR	49.4	43.0	50.3	3.5	43	51
3, 5, 12	RR	* DELTA GROW 5555 RR	49.4	43.4	47.3	4.0	49	52
3, 5, 12	RR/STS	* DELTA GROW 5300 RR/STS	47.3	43.5	49.1	1.5	44	47
	CONV	UNIVERSITY OF ARKANSAS OZARK	47.2	44.1		3.0	42	51
3, 5, 12	RR/STS	* DELTA GROW 5160 RR/STS	47.2	47.4	54.9	1.0	48	43
20, 21, 23, 24	LL	* CAVERNDALE CF 505 LLn	47.0			2.5	45	49
18	RR/STS	* SOUTHERN STATES RT 5160N STS	46.9	43.8	50.3	2.0	49	49
3, 5, 12	RR	* DELTA GROW 5545 RR	46.6			4.0	37	54
18	R2Y	* SOUTHERN STATES SS 5311N R2	45.5			3.0	50	55
none	CONV-P	ESSEX (long term check-released 1974)	44.8	45.1	48.8	1.5	37	44
<b>GROUP V AVERAGE</b>			<b>53.2</b>	<b>48.3</b>	<b>52.9</b>	<b>2.3</b>	<b>44</b>	<b>48 (10/18/11)</b>
		LSD (0.10)	5.6	4.2	3.5			
		C.V.	8.0	9.1	9.0			

<sup>A</sup> See Table 4 for seed treatment code names.

<sup>B</sup> \* Resistance to Soybean Cyst Nematode. See Table 3. Company Disease Resistance Specifications for details.

CONV Conventional variety (ie: not LL, RR, or R2Y).

EXP Experimental entries are varieties that are still under development or soon to be released.

LL LibertyLink variety - Ignite herbicide tolerant, trait introduced in 2009.

P Public variety.

RR Roundup Ready variety - RR1 first generation, original trait introduced in 1996.

R2Y Roundup Ready 2 Yield variety - trait introduced in 2009.

STS Sulfonylurea herbicide tolerant soybean variety - trait introduced in 1994.

<sup>C</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

<sup>D</sup> Days after September 1st.



**Table 9. 2011 Kentucky Soybean Variety Tests, McLean County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LODGING 2011
			2011	2010-11	2009-11	
<b>Maturity Group III (relative MG 3.0-3.9)</b>						
2	R2Y	* ASGROW AG3931	60.7	41.8		2.5
6	R2Y	* PFISTER 38R25	60.1			1.0
	RR	* PIONEER 93Y82	59.8	43.3		1.0
	R2Y	* ARMOR X1203	59.6			2.5
6	R2Y	* DAIRYLAND DST38-002/R2Y	58.4			1.5
1, 10, 17	RR	* SEED CONSULTANTS SCS 9390RR™	58.2	40.0	50.8	1.0
18	R2Y	* SOUTHERN STATES SS 3910N R2	57.9	43.8		1.0
20, 21, 23, 24	R2Y	* CAVERNDALE CF 386 RR2Yn	57.4			1.0
2	R2Y	* DYNA-GRO 32RY39	57.4			1.0
2	R2Y	* ASGROW AG3832	57.3			1.0
	CONV	STINE 3900-2	57.2			1.0
2	R2Y	* BIOGENE BG 7391	57.0			1.0
	CONV	* SOUTHERN STATES SS 385	56.9			1.0
	R2Y	* ARMOR X1201	56.7			1.0
	LL	* DYNA-GRO 34LL37	56.7			1.5
18	RR	* SOUTHERN STATES RT 3971N	56.6	43.4	49.6	1.0
	EXP R2Y	* SOUTHERN STATES SS 3712N R2	56.4			1.0
2	R2Y	* STEWART 3412R2	56.4			1.0
18	LL	* SOUTHERN STATES LL 396N	56.3	42.2		1.0
	R2Y	* ARMOR 39-R16	56.0			1.0
2	R2Y	* STEWART 3800R2	55.6	36.9		1.5
2	R2Y	* DYNA-GRO 37RY39	55.3			1.5
18	R2Y	* SOUTHERN STATES SS 3811N R2	55.2			1.0
	R2Y	* S39-U2 BRAND	55.1			1.0
6	R2Y	PROGENY 3911 RY	54.9			1.0
	RR	* PIONEER 93Y92	54.4	40.1	52.4	1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9351RR™	54.2	36.6		1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9392RR™	53.3			1.0
2	R2Y	* ASGROW AG3932	53.2			1.0
6	R2Y	* DAIRYLAND DSR-3805/R2Y	53.1			1.0
	RR	* REV 38R10	53.1	36.8		1.0
18	R2Y	* SOUTHERN STATES SS 3911N R2	52.6			1.0
2	R2Y	* CHANNEL 3701R2	52.5			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9381RR™	51.8	40.4		1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9362RR™	51.3			1.0
	RR	* S39-A3 BRAND	50.4	38.5	50.4	1.0
1, 10, 17	RR	SEED CONSULTANTS SCS 9360RR™	49.9	32.8		2.0
3, 5	RR/STS	* UNISOUTH GENETICS USG 73H77	49.6			2.0
	CONV	* PIONEER 93Y83	45.1			1.5
1, 10, 17	RR	* SEED CONSULTANTS SCS 9370RR™	44.1	34.5	45.2	1.0
		<b>GROUP III AVERAGE</b>	<b>54.9</b>	<b>39.4</b>	<b>49.7</b>	<b>1.2</b>
		LSD (0.10)	3.6	3.8	3.4	
		C.V.	5.1	8.8	9.2	
<b>Maturity Group IV Early (relative MG 4.0-4.5)</b>						
6	R2Y	PROGENY 4510 RY	64.5	45.5		1.5
2	R2Y	* ASGROW AG4032	63.9			1.0
2	R2Y	* BIOGENE BG 7421	61.3			1.0
2	R2Y	* STEWART 4012R2	60.8			1.0
2	R2Y/STS	ASGROW AG4531	60.5	46.0		1.0
18	R2Y	STEYER 4501R2	60.0	41.6		1.5
20, 21, 23, 24	LL	* CAVERNDALE CF 411 LLn	59.8	42.7		1.0
	R2Y	* ARMOR X1204	59.7			1.0
2	R2Y	* DYNA-GRO 39RY43	59.4			1.5
	EXP R2Y	* SOUTHERN STATES SS 4312N R2	59.3			1.0
2	R2Y/STS	* ASGROW AG4232	59.2			1.0
6	R2Y	* STINE 45RC32	58.4			4.0
18	R2Y	* SOUTHERN STATES SS 4510N R2	58.1	42.1		1.0
2	R2Y	* STEWART 4509R2	57.5	39.2		1.5
18	RR/STS	* SOUTHERN STATES RT 4470N STS	57.4	40.9	53.3	1.0
2	R2Y/STS	* ASGROW AG4031	57.1	43.4		1.0
22	LL	* BECK 426NL	57.1			1.0
	RR	* PIONEER 94Y50	57.1			2.5
2	R2Y	* STEWART 4512R2	57.0			1.5
6	R2Y	* PFISTER 43R29	56.9			1.0
2	R2Y	* CHANNEL 4505R2	56.7			1.0
6	R2Y	* DAIRYLAND DST45-001/R2Y	56.7			2.5
2	R2Y	* CHANNEL 4405R2	56.6			1.5
18	R2Y	* STEYER 4203R2	56.6			1.5
	R2Y	* L&M GLICK 412R2	56.5			1.0
6	R2Y	* PFISTER 45R23	56.5			2.0
2	R2Y	* DYNA-GRO 31RY45	56.4			1.0
6	R2Y	* DAIRYLAND DSR-4141/R2Y	56.2			2.5
	R2Y	* ARMOR X1206	56.0			2.0
20, 21, 23, 24	R2Y	* CAVERNDALE CF 436 RR2Yn	56.0			1.0
2	R2Y	* CHANNEL 4205R2	56.0			1.0
18	R2Y	* STEYER 4502R2	55.5			2.0
2	R2Y	* DYNA-GRO 38RY45	55.2	37.9		1.0
6	R2Y	* DAIRYLAND DSR-4242/R2Y	55.1			1.5
6	RR	* DAIRYLAND DSR-4300/RR	55.1	42.1	50.6	1.0
18	RR	* STEYER 4430RR	54.9	41.3	54.3	1.0
3, 5	RR/STS	* UNISOUTH GENETICS USG 74B58	54.9	38.7		1.0
	RR	* PIONEER 94Y22	54.7			1.0
2	R2Y	* BIOGENE BG 7450	54.6	39.6		2.0
1, 10, 17	RR/STS	* SEED CONSULTANTS SCS 9421RR™	54.5	41.2		1.0
	CONV/STS	* CAVERNDALE CF 434 STSn	54.3			1.0
22	RR	* BECK 432NR	54.2	41.1		1.0
	RR	* L&M GLICK 843R	54.1	39.6	51.1	1.0

**Agronomic Information**

**Location**

McLean County

**Soil Type**

Karnak Silt Loam

**Planting Date**

6/8/11

**Harvest Dates**

MG III 10/2/11

MG IV Early and Late 10/21/11

MG V 10/21/11

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**Table 9. 2011 Kentucky Soybean Variety Tests, McLean County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LOGGING 2011
			2011	2010-11	2009-11	
6	RR	* SCHILLINGER SEED 457.RCP	54.1	38.5		3.5
	CONV	* L&M GLICK 55N	53.9			1.0
2	R2Y	* STEWART 4412R2	53.8			1.0
6	R2Y	* DAIRYLAND DST45-002/R2Y	53.7			1.5
	R2Y	* S42-T4 BRAND	53.5	36.8		1.5
4, 10	RR/STS	* DYNA-GRO V42N9RS	52.7	38.8	49.5	1.0
6	R2Y	* PROGENY 4211 RY	52.7			1.0
6	R2Y	* STINE 40RC32	52.7			1.0
2	R2Y	* BIOGENE BG 7420	52.5	39.3		1.0
3, 5	RR	* UNISOUTH GENETICS USG 74A45	52.4			1.5
6	R2Y	* DAIRYLAND DST43-001/R2Y	52.2			1.0
	R2Y	* ARMOR 46-R42	51.3			1.5
2	R2Y	* STEWART 4212R2	51.3			1.0
18	RR	* SOUTHERN STATES RT 4370N	51.2	43.1	49.7	1.0
	RR	* S44-D5 BRAND	50.7	37.3	48.1	1.0
	RR	* PIONEER 94Y20	50.6	41.4	53.9	1.0
	RR	* REV 44R22	49.9	35.8		1.0
19	RR	* CROPLAN GENETICS RC4417	49.7	38.7		1.0
	CONV	* SOUTHERN STATES SS 435	49.1			1.0
	CONV	* PIONEER 94Y21	49.0	35.4		1.0
18	LL	* SOUTHERN STATES LL 430N	48.4	32.4	45.6	1.0
	RR	* REV 45R10	48.3	34.0		2.5
6	RR/STS	* DAIRYLAND DSR-4500/RRSTS	47.8	35.6	49.3	2.0
	RR	* PIONEER 94Y40	47.4			1.0
18	LL	* SOUTHERN STATES LL 450N	47.1	32.1	41.8	1.0
22	LL	* BECK 456NL	47.0			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9450RR™	46.0	33.9	49.9	1.5
6	R2Y	* UNISOUTH GENETICS USG 74F11R	45.9			1.0
	CONV	* UNIVERSITY OF MISSOURI S08-15072	40.8			2.0
<b>GROUP IV Early AVERAGE</b>			<b>54.4</b>	<b>39.2</b>	<b>49.8</b>	<b>1.3</b>
LSD (0.10)			3.9	4.0	3.4	
C.V.			5.5	9.5	9.5	

**Maturity Group IV Late (relative MG 4.6-4.9)**

2	R2Y	ARMOR 48-R40	<b>59.5</b>	<b>45.1</b>		1.0
	R2Y	LG SEEDS C4625R2	59.4			1.0
	RR	REV 48R22	59.1			1.0
6	RR	* PROGENY 4807 RR	58.6	41.1	50.0	1.0
2	R2Y/STS	* DYNA-GRO 37RY47	58.6	43.7		1.0
18	R2Y	* SOUTHERN STATES SS 4700 R2	58.1	42.0		1.0
	R2Y	ARMOR X1247	57.8			1.0
6	R2Y	* PROGENY 4710 RY	57.1	44.7		1.0
	RR	REV 47R53	56.4			1.5
6	R2Y	* PFISTER 47R24	55.6			1.0
6	R2Y	* PROGENY 4611 RY	55.6			1.0
	RR	* UNISOUTH GENETICS USG 74H81	55.3			1.0
20, 21, 23, 24	R2Y	* CAVERNDAL CF 476 RR2Yn	55.2			1.0
6	RR	* SCHILLINGER SEED 4990.RC	55.1	40.0	<b>50.8</b>	2.0
	RR	* ARMOR X1210	55.1			1.0
22	RR	* BECK 495NR	55.1			1.0
2	R2Y	* ASGROW AG4632	55.0			1.0
18	R2Y	HORNBECK HBK RY4620	54.8	36.7		1.0
2	R2Y	* ASGROW AG4732	54.8			1.0
3, 5, 12	R2Y	* DELTA GROW 4875 RR2	54.5			1.0
18	R2Y	* STEYER 4701R2	54.5			1.0
18	R2Y	SOUTHERN STATES SS 4711N R2	54.1			1.0
22	RR	* BECK 477NR	54.0			1.0
3, 5, 12	R2Y	* DELTA GROW 4670 RR2	53.9			1.0
6	R2Y	* STINE 48RC32	53.7			1.0
6	RR	* PROGENY 4750 RR	53.4	41.9		1.5
2	R2Y	* ASGROW AG4832	53.4			1.0
	RR	* CROPLAN GENETICS RC 4877	53.2			1.0
	RR	* REV 48R33	53.2			1.0
18	RR	* HORNBECK HBK R4924	53.0	37.0	48.9	1.0
6	CONV	* PROGENY 4910	52.9	36.4		1.5
	RR	REV 48R21	52.9			1.0
6	RR	* SCHILLINGER SEED 458.RCS	52.8			1.0
2	R2Y	* DYNA-GRO 33RY47	52.6			1.0
4, 10	RR	* DYNA-GRO 39D48	52.6			1.0
	RR	* REV 49R43	52.4			1.0
6	RR	PROGENY 4906 RR	52.4	39.3	49.6	1.0
	R2Y	* ARMOR X1209	52.3			1.0
6	R2Y	PROGENY 4811 RY	52.3			1.0
	RR	* REV 48R10	52.2	38.4		1.0
	RR	* PIONEER 94Y70	52.1	41.4	53.1	1.0
2	R2Y	* BIOGENE BG 7460	51.9			1.0
6	R2Y	* DAIRYLAND DST47-002/R2Y	51.8			1.0
	RR	REV 49R22	51.8			1.0
	R2Y	* ARMOR X1208	51.8			1.0
	RR	* PIONEER 94Y61	51.6			1.0
	RR	* ARMOR X1211	51.4			2.0
18	RR	HORNBECK HBK R4729	51.2	38.6	47.6	1.0
18	RR	* HORNBECK HBK R4829	51.0	36.9		1.0
2	R2Y	* ASGROW AG4932	51.0			1.0
3, 5	RR	UNISOUTH GENETICS USG 74A91	50.6			1.0
2	R2Y	* STEWART 4712R2	50.5			1.0
3, 5	LL	UNISOUTH GENETICS USG 74G99L	50.4			1.0
	R2Y	* CROPLAN GENETICS RR2C4660	50.3	38.5		1.0
22	LL	* BECK 476NL	50.3			1.0
3, 5, 12	RR	* DELTA GROW 4880 RR	49.9	34.9		1.0

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**Table 9. 2011 Kentucky Soybean Variety Tests, McLean County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LODGING 2011
			2011	2010-11	2009-11	
1, 10, 17	RR	* SEED CONSULTANTS SCS 9472RR™	49.9			1.0
	R2Y	* S46-A1 BRAND	49.7			1.0
6	RR	PROGENY 4908 RR	49.7	36.8	48.6	1.0
20, 21, 23, 24	LL	* CAVERNDALE CF 465 LLn	49.6			1.0
6	RR	* SCHILLINGER SEED 495.RC	49.4	37.0	47.1	1.0
6	RR	* DAIRYLAND DSR-4810/RR	49.3	36.8	49.7	1.0
18	RR/STS	* SOUTHERN STATES RT 4808N STS	49.2	34.3	47.2	1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9480RR™	49.0	37.6	50.9	1.0
18	LL	* HALO 4: 94	48.9	34.4	44.1	1.0
6	LL	* PROGENY 4928 LL	48.7	34.7		1.0
	RR	* REV 49R11	48.6	34.2		1.0
	CONV-P	* HANOVER	48.6			3.0
	RR	* PIONEER 94Y60	48.5	33.9	46.0	2.0
18	LL	* SOUTHERN STATES LL 499N	48.5	35.4	47.6	1.0
18	RR	* SOUTHERN STATES RT 4760N	48.5	38.3		1.0
3, 5, 12	RR	* DELTA GROW 4975 RR	48.4	33.3	44.7	1.0
18	RR/STS	* SOUTHERN STATES RT 4996N STS	48.0	33.9	48.4	1.0
6	R2Y	* STINE 47RC32	47.6			1.0
3, 5, 12	RR	* DELTA GROW 4970 RR	47.5	39.1	45.7	2.0
18	LL	HALO 4: 75	47.2			1.0
3, 5, 12	LL	* DELTA GROW 4861 LL	47.2	33.7		1.0
	CONV	UNIVERSITY OF ARKANSAS UA4910	46.5	36.7		1.0
18	LL	* HALO 4: 65	45.6	34.2	43.0	1.0
	RR	* S49-A5 BRAND	45.4	33.3		1.5
6	RR	* SCHILLINGER SEED 478.RCS	44.9	34.0		1.0
18	LL	* SOUTHERN STATES LL 491N	44.8			1.0
3, 5, 12	RR	* DELTA GROW 4770 RR	43.5	33.5	44.9	1.5
6	R2Y	PROGENY 4911 RY	43.2			2.0
18	RR	HORNBECK HBK R4830	42.4			1.0
	RR	S47-R3 BRAND	39.8	31.1		1.0
6	RR	* DAIRYLAND DSR-8482/RR	39.2	32.7	47.1	1.0
none	CONV-P	PENNYRILE (long term check-released 1987)	35.3	23.7	34.0	1.5
		<b>GROUP IV Late AVERAGE</b>	<b>51.1</b>	<b>36.7</b>	<b>47.1</b>	<b>1.1</b>
		LSD (0.10)	4.0	4.1	3.2	
		C.V.	6.1	10.6	9.4	
<b>Maturity Group V (relative MG 5.0-5.9)</b>						
	RR	REV 51R53	<b>56.6</b>			1.0
	RR	* PIONEER 95Y10	55.9			1.0
3, 5, 12	R2Y	* DELTA GROW 5252 RR2	54.9			1.0
	EXP R2Y	* SOUTHERN STATES SS 5112N R2	53.5			2.5
18	R2Y	* HORNBECK HBK RY5220	52.0	<b>36.9</b>		2.0
4, 5	EXP CONV	* USDA-ARS JTN-5203	51.1			2.0
3, 5, 12	RR	* DELTA GROW 5280 RR	50.4	33.0	42.4	4.0
6	RR	* SCHILLINGER SEED 557.RC	50.3	35.0	47.0	1.5
3, 5, 12	R2Y	DELTA GROW 5656RR2	50.3			1.0
	CONV	UNIVERSITY OF ARKANSAS OZARK	49.8	31.5		1.5
18	LL	* SOUTHERN STATES LL 511N	49.5	34.6	<b>49.4</b>	1.0
2	R2Y	* ASGROW AG5232	49.4			2.0
3, 5, 12	R2Y	* DELTA GROW 5275 RR2	49.0	32.1		2.5
	R2Y	CAVERNDALE CF 506 RR2Yn	48.7			2.0
3, 5, 12	LL	* DELTA GROW 5461 LL	48.6	31.1		1.0
18	R2Y	* SOUTHERN STATES SS 5312N R2	48.0			2.0
3, 5, 12	R2Y	* UNISOUTH GENETICS USG 75B21R	47.8			1.0
18	LL	* HALO 5: 25	47.8	31.7	43.8	1.0
3, 5	CONV	UNISOUTH GENETICS USG 5601T	47.6	34.3	49.1	1.5
3, 5	CONV	UNISOUTH GENETICS USG 5002T	47.5	34.4	48.2	1.5
3, 5, 12	RR	* DELTA GROW 5545 RR	47.2			4.0
3, 5	RR	UNISOUTH GENETICS USG ALLEN	46.8	30.2		2.0
	CONV	UNIVERSITY OF ARKANSAS OSAGE	46.7	33.7		1.0
	RR	* REV 55R21	46.6			1.0
3, 5, 12	RR/STS	* DELTA GROW 5300 RR/STS	46.4	31.0	45.9	1.5
18	RR/STS	* SOUTHERN STATES RT 5160N STS	45.9	31.2	44.9	2.0
3, 5, 12	R2Y	* DELTA GROW 5565 RR2	45.8			1.0
3, 5, 12	R2Y	DELTA GROW 5110 RR2	45.4			1.0
20, 21, 23, 24	LL	* CAVERNDALE CF 505 LLn	44.4			2.5
18	R2Y	* SOUTHERN STATES SS 5311N R2	42.6			2.0
	EXP R2Y	SOUTHERN STATES SS 5111N R2	41.8			1.0
3, 5, 12	RR/STS	* DELTA GROW 5160 RR/STS	41.4	29.0	44.1	2.0
3, 5	RR	UNISOUTH GENETICS USG 75R31R	38.7			2.0
3, 5, 12	RR	* DELTA GROW 5555 RR	38.6	28.4	43.1	4.0
none	CONV-P	GLENN	37.6	28.1	43.2	4.0
none	CONV-P	ESSEX (long term check-released 1974)	34.6	23.1	37.2	2.5
		<b>GROUP V AVERAGE</b>	<b>47.2</b>	<b>31.6</b>	<b>44.8</b>	<b>1.9</b>
		LSD (0.10)	5.9	3.8	3.6	
		C.V.	9.6	11.0	11.2	

<sup>A</sup> See Table 4 for seed treatment code names.

<sup>B</sup> \* Resistance to Soybean Cyst Nematode. See Table 3. Company Disease Resistance Specifications for details.

CONV Conventional variety (ie: not LL, RR, or R2Y).

EXP Experimental entries are varieties that are still under development or soon to be released.

LL LibertyLink variety - Ignite herbicide tolerant, trait introduced in 2009.

P Public variety.

RR Roundup Ready variety - RR1 first generation, original trait introduced in 1996.

R2Y Roundup Ready 2 Yield variety - trait introduced in 2009.

STS Sulfonylurea herbicide tolerant soybean variety - trait introduced in 1994.

<sup>C</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

**Table 10. 2011 Kentucky Soybean Variety Tests, Warren County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LODGING 2011
			2011	2010-11	2009-11	
<b>Maturity Group III (relative MG 3.0-3.9)</b>						
1, 10, 17	RR	* SEED CONSULTANTS SCS 9381RR™	26.3	31.3		1.0
18	R2Y	* SOUTHERN STATES SS 3811N R2	24.7			1.0
2	R2Y	* STEWART 3800R2	22.6	30.3		1.0
20, 21, 23, 24	R2Y	* CAVERNDALE CF 386 RR2Yn	21.8			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9362RR™	21.8			1.5
	RR	* REV 38R10	20.8	26.5		1.0
2	R2Y	* DYNA-GRO 32RY39	20.5			1.0
2	R2Y	* DYNA-GRO 37RY39	20.2			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9392RR™	20.2			2.0
2	R2Y	* BIOGENE BG 7391	20.2			1.5
	RR	* PIONEER 93Y92	19.9	29.0	48.1	1.0
6	R2Y	* PFISTER 38R25	19.6			1.0
6	R2Y	* PROGENY 3911 RY	19.5			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9351RR™	19.0	23.9		1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9390RR™	19.0	27.4	41.3	1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9370RR™	18.7	31.1	43.9	1.0
	RR	* PIONEER 93Y82	18.6	27.9		1.0
2	R2Y	* ASGROW AG3932	18.6			1.0
18	RR	* SOUTHERN STATES RT 3971N	18.4	31.5	46.0	1.0
	LL	* DYNA-GRO 34LL37	18.3			1.0
	R2Y	* ARMOR 39-R16	17.9			1.0
	CONV	* PIONEER 93Y83	17.9			1.0
	R2Y	* S39-U2 BRAND	17.6			1.5
18	R2Y	* SOUTHERN STATES SS 3911N R2	17.2			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9360RR™	17.2	24.5		1.0
	RR	* S39-A3 BRAND	16.8	29.9	46.6	1.0
18	LL	* SOUTHERN STATES LL 396N	16.8	30.3		1.0
2	R2Y	* ASGROW AG3931	16.5	27.2		1.0
6	R2Y	* DAIRYLAND DST38-002/R2Y	16.5			1.0
18	R2Y	* SOUTHERN STATES SS 3910N R2	16.5	32.1		1.0
2	R2Y	* ASGROW AG3832	15.7			1.0
2	R2Y	* CHANNEL 3701R2	15.7			1.0
6	R2Y	* DAIRYLAND DSR-3805/R2Y	15.7			1.0
	CONV	* SOUTHERN STATES SS 385	15.7			1.0
2	R2Y	* STEWART 3412R2	15.7			1.0
	EXP R2Y	* SOUTHERN STATES SS 3712N R2	15.4			1.0
	CONV	* STINE 3900-2	15.4			1.0
	R2Y	* ARMOR X1201	15.3			1.0
	R2Y	* ARMOR X1203	15.3			1.0
3, 5	RR/STS	* UNISOUTH GENETICS USG 73H77	10.6			1.0
		<b>GROUP III AVERAGE</b>	<b>18.2</b>	<b>28.8</b>	<b>45.2</b>	<b>1.1</b>
		LSD (0.10)	3.6	3.9	3.8	
		C.V.	15.1	18.4	18.4	
<b>Maturity Group IV Early (relative MG 4.0-4.5)</b>						
6	RR	* SCHILLINGER SEED 457.RCP	24.6	38.0		1.5
	RR	* PIONEER 94Y50	22.2			1.0
6	R2Y	* PFISTER 43R29	21.0			1.0
6	R2Y	* PROGENY 4510 RY	20.7	34.6		1.0
2	R2Y	* STEWART 4509R2	20.7	38.6		1.0
6	R2Y	* STINE 45RC32	20.3			1.0
3, 5	RR/STS	* UNISOUTH GENETICS USG 74B58	20.2	39.6		1.0
6	R2Y	* UNISOUTH GENETICS USG 74F11R	20.0			1.0
	RR	* PIONEER 94Y22	19.8			1.0
2	R2Y	* CHANNEL 4205R2	19.6			1.0
18	R2Y	* STEYER 4501R2	19.1	34.2		1.0
	RR	* PIONEER 94Y20	19.0	27.0	41.2	1.0
6	R2Y	* PFISTER 45R23	19.0			1.0
2	R2Y/STS	* ASGROW AG4531	18.9	33.3		1.0
2	R2Y	* BIOGENE BG 7420	18.8	24.7		1.0
6	RR	* DAIRYLAND DSR-4300/RR	18.7	32.2	44.0	1.0
2	R2Y	* STEWART 4512R2	18.3			1.0
2	R2Y	* BIOGENE BG 7450	18.3	31.6		1.0
18	R2Y	* STEYER 4203R2	18.2			1.0
6	R2Y	* DAIRYLAND DSR-4242/R2Y	17.9			1.0
2	R2Y	* STEWART 4212R2	17.9			1.0
2	R2Y/STS	* ASGROW AG4232	17.6			1.0
6	R2Y	* DAIRYLAND DST45-001/R2Y	17.6			1.0
2	R2Y	* DYNA-GRO 31RY45	17.6			1.0
	RR	* PIONEER 94Y40	17.6			1.0
	CONV	* SOUTHERN STATES SS 435	17.6			1.0
	R2Y	* ARMOR X1204	17.3			1.0
6	R2Y	* DAIRYLAND DSR-4141/R2Y	17.3			1.0
2	R2Y	* DYNA-GRO 39RY43	16.6			1.0
6	R2Y	* PROGENY 4211 RY	16.5			1.0
	RR	* REV 45R10	16.5	34.1		1.0
2	R2Y	* CHANNEL 4505R2	16.5			1.0
18	R2Y	* SOUTHERN STATES SS 4510N R2	16.4	29.9		1.0
6	R2Y	* STINE 40RC32	16.4			1.0
	R2Y	* ARMOR X1206	16.1			1.0
6	R2Y	* DAIRYLAND DST45-002/R2Y	16.1			1.0
	RR	* L&M GLICK 843R	15.7	29.0	43.5	1.0
	RR	* REV 44R22	15.7	33.3		1.0
18	LL	* SOUTHERN STATES LL 450N	15.7	32.4	48.5	1.0
3, 5	RR	* UNISOUTH GENETICS USG 74A45	15.7			1.0
22	LL	* BECK 456NL	15.4			1.0
20, 21, 23, 24	LL	* CAVERNDALE CF 411 LLn	15.0	33.3		1.0
19	RR	* CROPLAN GENETICS RC4417	15.0	27.0		1.0

**Agronomic Information**

**Location**

Warren County

**Soil Type**

Premboke Silt Loam

**Planting Date**

5/30/11

**Harvest Dates**

MG III 9/30/11

MG IV Early and Late 10/7/11

MG V 10/23/11

**Note**

The amount of rain for this county was very low this year, which may explain the high C.V. for the MG III, MG IV Early and MG IV Late.

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**Table 10. 2011 Kentucky Soybean Variety Tests, Warren County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LOGGING 2011
			2011	2010-11	2009-11	
4, 10	RR/STS	* DYNA-GRO V42N9RS	14.3	30.8	47.2	1.0
	CONV	* L&M GLICK 55N	14.3			1.0
2	R2Y	* STEWART 4412R2	14.3			1.0
	R2Y	* ARMOR 46-R42	13.9			1.0
22	LL	* BECK 426NL	13.9			1.0
	CONV/STS	* CAVERNDALE CF 434 STSn	13.9			1.0
	EXP R2Y	* SOUTHERN STATES SS 4312N R2	13.6			1.0
	RR	* S44-D5 BRAND	13.5	30.1	45.1	1.0
22	RR	* BECK 432NR	13.2	26.6		1.0
2	R2Y	* DYNA-GRO 38RY45	13.2	27.5		1.0
2	R2Y	* STEWART 4012R2	13.2			1.0
18	RR	* SOUTHERN STATES RT 4370N	12.8	22.6	38.7	1.0
18	RR/STS	* SOUTHERN STATES RT 4470N STS	12.8	32.8	51.5	1.0
2	R2Y/STS	* ASGROW AG4031	12.4	27.2		1.0
	R2Y	* S42-T4 BRAND	12.1	28.1		1.0
18	R2Y	* STEYER 4502R2	12.1			1.0
20, 21, 23, 24	R2Y	* CAVERNDALE CF 436 RR2Yn	11.7			1.0
6	R2Y	* DAIRYLAND DST43-001/R2Y	11.7			1.0
6	RR/STS	* DAIRYLAND DSR-4500/RRSTS	11.4	33.2	47.6	1.0
18	RR	* STEYER 4430RR	11.4	34.2	49.7	1.0
	CONV	* UNIVERSITY OF MISSOURI 508-15072	11.3			1.0
1, 10, 17	RR/STS	* SEED CONSULTANTS SCS 9421RR™	11.0	26.8		1.0
2	R2Y	* CHANNEL 4405R2	11.0			1.0
	R2Y	* L&M GLICK 412R2	11.0			1.0
	CONV	* PIONEER 94Y21	11.0	17.1		1.0
2	R2Y	* ASGROW AG4032	10.6			1.0
18	LL	* SOUTHERN STATES LL 430N	10.2	27.4	41.0	1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9450RR™	9.5	25.2	41.5	1.0
2	R2Y	* BIOGENE BG 7421	9.2			1.0
		<b>GROUP IV Early AVERAGE</b>	<b>15.7</b>	<b>30.4</b>	<b>45.0</b>	<b>1.0</b>
		LSD (0.10)	2.5	4.3	3.6	
		C.V.	12.4	19.4	16.4	
<b>Maturity Group IV Late (relative MG 4.6-4.9)</b>						
18	RR	* HORNBECK HBK R4829	42.1	45.1		1.0
6	RR	* DAIRYLAND DSR-8482/RR	41.9	50.1	60.9	1.0
	R2Y	* ARMOR X1247	41.3			1.0
	RR	* CROPLAN GENETICS RC 4877	39.7			1.0
	CONV-P	* HANOVER	39.0			1.0
	R2Y	* ARMOR X1209	38.0			1.0
3, 5, 12	RR	* DELTA GROW 4770 RR	36.6	41.4	52.1	1.5
6	R2Y	* PROGENY 4911 RY	36.4			1.0
18	R2Y	* HORNBECK HBK RY4620	35.6	46.0		1.0
18	RR	* HORNBECK HBK R4924	35.4	50.4	54.9	1.0
6	RR	* PROGENY 4908 RR	34.6	48.7	60.8	1.0
6	LL	* PROGENY 4928 LL	33.6	47.1		1.0
3, 5, 12	RR	* DELTA GROW 4880 RR	32.6	42.5		1.0
22	RR	* BECK 495NR	31.7			1.0
6	R2Y	* PROGENY 4811 RY	31.6			1.0
3, 5	LL	* UNISOUTH GENETICS USG 74G99L	31.3			1.0
6	RR	* PROGENY 4750 RR	30.2	40.8		1.0
2	R2Y	* ASGROW AG4932	30.1			1.0
3, 5, 12	RR	* DELTA GROW 4970 RR	29.5	44.0	55.1	1.5
2	R2Y/STS	* DYNA-GRO 37RY47	29.5	39.0		1.0
	RR	* REV 47R53	28.3			1.0
6	RR	* PROGENY 4906 RR	28.1	42.6	56.0	1.0
22	LL	* BECK 476NL	27.8			1.0
	RR	* UNISOUTH GENETICS USG 74H81	27.6			1.0
	R2Y	* ARMOR 48-R40	27.5	37.0		1.0
4, 10	RR	* DYNA-GRO 39D48	27.4			1.0
	R2Y	* ARMOR X1208	27.4			1.0
	CONV	* UNIVERSITY OF ARKANSAS UA4910	26.8	43.1		1.0
3, 5	RR	* UNISOUTH GENETICS USG 74A91	26.7			1.0
6	R2Y	* PFISTER 47R24	26.6			1.0
2	R2Y	* BIOGENE BG 7460	26.6			1.0
18	LL	* HALO 4: 65	26.6	41.0	45.9	1.0
	RR	* REV 48R21	26.4			1.0
6	R2Y	* PROGENY 4611 RY	26.2			1.0
	RR	* ARMOR X1210	25.8			1.0
6	R2Y	* PROGENY 4710 RY	25.5	40.1		1.0
	RR	* PIONEER 94Y70	25.2	38.2	53.0	1.0
	RR	* REV 49R11	25.2	33.5		1.0
2	R2Y	* ASGROW AG4832	25.1			1.0
	R2Y	* CROPLAN GENETICS RR2C4660	24.9	37.4		1.0
18	RR	* HORNBECK HBK R4729	24.8	41.5	52.9	1.0
20, 21, 23, 24	LL	* CAVERNDALE CF 465 LLn	24.6			1.0
3, 5, 12	R2Y	* DELTA GROW 4670 RR2	24.6			1.0
3, 5, 12	RR	* DELTA GROW 4975 RR	24.6	37.5	50.9	1.0
3, 5, 12	LL	* DELTA GROW 4861 LL	24.5	35.3		1.0
	RR	* PIONEER 94Y61	24.5			1.0
2	R2Y	* ASGROW AG4632	24.5			1.0
2	R2Y	* STEWART 4712R2	24.5			1.0
2	R2Y	* DYNA-GRO 33RY47	24.4			1.0
	RR	* S49-A5 BRAND	23.8	38.8		1.0
6	RR	* SCHILLINGER SEED 495.RC	23.8	38.2	54.8	1.0
	RR	* REV 49R22	23.4			1.0
2	R2Y	* ASGROW AG4732	23.3			1.0
20, 21, 23, 24	R2Y	* CAVERNDALE CF 476 RR2Yn	23.2			1.0
18	LL	* SOUTHERN STATES LL 491N	22.6			1.0
6	RR	* DAIRYLAND DSR-4810/RR	22.4	38.4	54.0	1.0

continued on next page

**Table 10. 2011 Kentucky Soybean Variety Tests, Warren County.**

SEED TREATMENT CODE <sup>A</sup>	TYPE <sup>B</sup>	BRAND-VARIETY	YIELD (BU/AC) <sup>C</sup>			LODGING 2011
			2011	2010-11	2009-11	
22	RR	* REV 48R33	22.1			1.0
	RR	* BECK 477NR	22.1			1.0
	R2Y	* S46-A1 BRAND	21.8			1.0
3, 5, 12	R2Y	* DELTA GROW 4875 RR2	21.7			1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9472RR™	21.7			1.0
6	R2Y	* DAIRYLAND DST47-002/R2Y	21.6			1.0
2	R2Y	LG SEEDS C4625R2	21.6			1.0
	RR	* ARMOR X1211	21.4			1.0
18	R2Y	* SOUTHERN STATES SS 4700 R2	21.3	39.1		1.0
18	R2Y	SOUTHERN STATES SS 4711N R2	21.2			1.0
18	RR/STS	* SOUTHERN STATES RT 4808N STS	21.2	38.2	50.1	1.0
18	RR	HORNBECK HBK R4830	20.6			1.0
18	LL	* SOUTHERN STATES LL 499N	20.4	40.0	57.0	1.0
18	RR	* SOUTHERN STATES RT 4760N	20.3	34.0		1.0
	RR	* PIONEER 94Y60	19.7	33.2	47.4	1.0
	RR	* REV 49R43	19.7			1.0
18	R2Y	* STEYER 4701R2	19.5			1.0
6	RR	* SCHILLINGER SEED 478.RCS	19.4	37.5		1.0
1, 10, 17	RR	* SEED CONSULTANTS SCS 9480RR™	19.4	29.1	45.3	1.0
	RR	* REV 48R10	18.9	32.7		1.0
6	RR	* SCHILLINGER SEED 4990.RC	18.9	35.1	50.4	1.0
18	LL	HALO 4: 75	18.7			1.0
6	CONV	* PROGENY 4910	18.5	35.9		1.0
	RR	S47-R3 BRAND	18.5	39.8		1.0
18	LL	* HALO 4: 94	17.8	36.2	52.7	1.0
	RR	REV 48R22	17.1			1.0
6	R2Y	* STINE 47RC32	16.9			1.0
6	R2Y	* STINE 48RC32	16.6			1.0
6	RR	* PROGENY 4807 RR	16.1	33.1	48.7	1.0
6	RR	* SCHILLINGER SEED 458.RCS	16.1			1.0
none	CONV-P	PENNYRILE (long term check-released 1987)	15.8	26.1	38.8	1.0
18	RR/STS	* SOUTHERN STATES RT 4996N STS	15.4	32.9	45.5	1.0
		<b>GROUP IV Late AVERAGE</b>	<b>25.4</b>	<b>39.0</b>	<b>51.8</b>	<b>1.0</b>
		LSD (0.10)	4.9	3.9	3.8	
		C.V.	15.1	12.6	12.7	
<b>Maturity Group V (relative MG 5.0-5.9)</b>						
6	RR	* SCHILLINGER SEED 557.RC	<b>66.5</b>	61.7	<b>70.4</b>	1.5
	CONV	UNIVERSITY OF ARKANSAS OSAGE	63.4	<b>62.6</b>		1.0
3, 5, 12	R2Y	* DELTA GROW 5565 RR2	61.9			1.0
	RR	REV 51R53	61.1			1.0
18	LL	* SOUTHERN STATES LL 511N	58.6	56.2	65.9	1.5
18	LL	* HALO 5: 25	58.5	61.8	67.9	1.0
3, 5, 12	R2Y	DELTA GROW 5656RR2	57.4			1.5
3, 5, 12	R2Y	* DELTA GROW 5252 RR2	56.8			1.0
20, 21, 23, 24	LL	* CAVERNDALE CF 505 LLn	56.5			1.5
18	R2Y	* SOUTHERN STATES SS 5312N R2	56.4			2.0
3, 5	RR	UNISOUTH GENETICS USG 75R31R	56.2			1.0
	RR	* REV 55R21	55.0			1.0
	RR	* PIONEER 95Y10	53.9			1.0
3, 5	RR	UNISOUTH GENETICS USG ALLEN	53.8	55.8		1.5
	CONV	UNIVERSITY OF ARKANSAS OZARK	53.5	53.7		3.0
18	R2Y	* SOUTHERN STATES SS 5311N R2	53.2			2.5
3, 5, 12	R2Y	* DELTA GROW 5275 RR2	52.3	53.9		1.0
18	RR/STS	* SOUTHERN STATES RT 5160N STS	52.0	53.4	64.5	1.5
	R2Y	CAVERNDALE CF 506 RR2Yn	51.9			2.0
3, 5, 12	R2Y	* UNISOUTH GENETICS USG 75B21R	51.4			1.0
3, 5, 12	R2Y	DELTA GROW 5110 RR2	51.1			2.5
2	R2Y	* ASGROW AG5232	51.0			2.0
4, 5	EXP CONV	* USDA-ARS JTN-5203	51.0			2.0
3, 5, 12	RR/STS	* DELTA GROW 5160 RR/STS	50.9	49.4	57.6	1.0
none	CONV-P	GLENN	50.8	54.2	65.2	2.0
18	R2Y	* HORNBECK HBK RY5220	49.8	56.1		2.0
3, 5	CONV	UNISOUTH GENETICS USG 5601T	49.2	56.3	64.9	1.5
3, 5, 12	RR/STS	* DELTA GROW 5300 RR/STS	48.6	53.8	66.6	1.5
3, 5	CONV	UNISOUTH GENETICS USG 5002T	48.6	55.5	64.3	2.5
3, 5, 12	RR	* DELTA GROW 5280 RR	48.4	51.4	61.0	3.0
3, 5, 12	RR	* DELTA GROW 5555 RR	48.3	52.0	60.3	3.0
none	CONV-P	ESSEX (long term check-released 1974)	48.1	52.5	58.9	2.5
3, 5, 12	LL	* DELTA GROW 5461 LL	47.1	49.8		1.0
	EXP R2Y	SOUTHERN STATES SS 5111N R2	45.7			1.5
	EXP R2Y	* SOUTHERN STATES SS 5112N R2	44.5			2.5
3, 5, 12	RR	* DELTA GROW 5545 RR	43.6			3.5
		<b>GROUP V AVERAGE</b>	<b>52.9</b>	<b>55.0</b>	<b>63.9</b>	<b>1.7</b>
		LSD (0.10)	6.7	4.5	4.1	
		C.V.	9.7	9.1	9.2	

<sup>A</sup> See Table 4 for seed treatment code names.

<sup>B</sup> \* Resistance to Soybean Cyst Nematode. See Table 3. Company Disease Resistance Specifications for details.

CONV Conventional variety (ie: not LL, RR, or R2Y).

EXP Experimental entries are varieties that are still under development or soon to be released.

LL LibertyLink variety - Ignite herbicide tolerant, trait introduced in 2009.

P Public variety.

RR Roundup Ready variety - RR1 first generation, original trait introduced in 1996.

R2Y Roundup Ready 2 Yield variety - trait introduced in 2009.

STS Sulfonylurea herbicide tolerant soybean variety - trait introduced in 1994.

<sup>C</sup> Within a maturity group, shaded yields are not significantly different (0.10 level) from the highest yielding cultivar (bold data) of that maturity group and year column.

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