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MISSOURI CROP PERFORMANCE

2020 soybean

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MU Variety Testing Program

COLLEGE OF AGRICULTURE, FOOD and **NATURAL RESOURCES, UNIVERSITY** of **MISSOURI**

2020 MISSOURI SOYBEAN TEST

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Variety Testing Program
University of Missouri

PREFACE

Our motto is "We test the best" and that is exactly what we do. Each year, the best seed companies and organizations select several of their best varieties for evaluation by the MU Variety Testing Program. We use the latest scientific principles and procedures to provide farmers and others with an interest in soybean variety performance with accurate and unbiased information.

We respect the seed companies and organizations that put their varieties to the test. We are honored that they entrust us with their valuable products. It takes courage to allow their varieties to be compared with all of the others. Not every company participates in our program for various reasons. Those companies that do participate deserve your consideration when purchasing seed for the next growing season. Thank them for their courage and tell them you saw their variety in our program.

The MU Variety Testing Program has provided Missouri farmers with unbiased variety comparisons for more than 75 years, first with corn, then soybean and wheat. We have a young and ambitious staff with excellent experience with testing crop yield performance. Our plots are placed where you farm. They have the soils and weather conditions your fields have. The MU Variety Testing Program is on-farm research in the truest sense of the word. Most of our locations are on farmer fields in your communities. Several locations are MU farms. These CAFNR owned and operated research centers sample the north, central and southeast regions of Missouri and combined with the private farm locations provide you with the diversity of environments you need to select the best varieties for your farm. View the map in our procedures section to see the placement of our locations and the cooperators that are so important to the quality of our information.

Evaluating yield and making decisions based on that evaluation are difficult because yield is highly affected by environment — even the small differences that exist across a field. We use replication, plot size, and plot placement to minimize the "noise." Please read the procedures section of this book to better understand what we do and the tools we provide you to make variety selection decisions. Our data tables are arranged to help you quickly see how varieties compare. We strongly suggest that you use information from more than one location. Our tables of "region means" provide you comparisons across multiple locations. Although yield is extremely important, please see our variety characteristics table located near the back of the book to view additional information that you might find helpful during variety selection.

Thank you for your interest and support. Please support the companies that participate in our program. If you have suggestions on how we can improve our program, please contact me directly (***wieboldw@missouri.edu***). The MU Variety Testing Program exists to serve your needs. We want to provide you with the best information possible.

William "Bill" Wiebold

PROCEDURES

Regions and locations

The MU Variety Testing Program divides the soybean growing region of Missouri into four regions: North, Central, Southeast, and Southwest. Each region contains four or five locations. The same varieties are tested in all locations within a region. Locations for soybean tests are as follows:

North Region
Albany (1), Canton (2), St. Joseph (3), Mooresville (4), Novelty (5)

Central Region
Columbia (6), Foley (7), Henrietta (8), Norborne (9), Truxton (10)

Southwest Region
Adrian (11), Garden City (12), Lamar (13), Urich (14)

Southeast Region
Charleston (15), Dexter (16), Campbell (17), Fisk (18), Portageville (19)

The MU Variety Testing Program depends upon and is highly appreciative of the cooperators that allow it to use their farms. Thank you: Beetsma Farms, Larry and Robert and Carl Compton, Bill Cook, Roy Cope, Don Deline, Kyle and David Durham, Devin Fergeson, Nathan Goldschmidt, Nathan and Kurt Gretzinger, Bill Lloyd and Dan McCuthan, Aaron Porter, Chris and Stan Rolf, Jim Tenholder, John Williams, Missouri Rice Research and Merchandising Council, and the Missouri Agriculture Experiment Station.

Entries

All seed companies were eligible to enter varieties into the soybean test. Participation was voluntary and the MU Variety Testing Program exercised no control over which, or how many, varieties were entered. The MU Variety Testing Program receives no Missouri tax dollars, so a fee was collected for each entry to fund the program.

Field plot design and plot management

Varieties were randomly arranged in the field according to a lattice design with three replications. Row spacing for all locations was 30 inches and seeding rate was 160,000 seeds/acre. Plots were two rows wide (5 feet) and 27 feet long. All rows of each plot were harvested to determine yield. Plots were planted and harvested with commercial equipment modified for small plot work. Fertilizer was applied at each location at the discretion of the farmer or the station manager. Weed control was achieved with pre-plant herbicides and various conventional post-emergence herbicides. Additional hand weeding was done as required. Management details varied among locations and are specified in the crop management table.

Data recorded

Lodging and height were determined immediately before harvest. A scale of 1 to 5 was used to score lodging, where 1 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% plants down, 5 = more than 80% plants down. During harvest, plot grain weights were measured and an electronic moisture tester was used to determine the moisture content of the grain. Yields were corrected to a moisture content of 13% and expressed as bushels/acre. The MU Variety Testing program attempted to locate sites in fields of low to moderate levels of SCN.

Comparing varieties

The performance of a variety cannot be measured with absolute precision. Uncontrolled variability is involved in the determination of each plot's yield. This variability exists in all field experiments and in farmer fields. Statistics are used to account for this variability and to assist farmers in selecting superior varieties. The statistical tool used by the MU Variety Testing Program is called "least significant difference" (LSD). The LSD is simple to use. When two varieties are compared and the difference between them is greater than the LSD, the entries are considered to be significantly different. Differences between two varieties that are smaller than the LSD may have occurred by chance and are considered to be not significant. In other words, the two varieties might have the same yield, grain moisture or other characteristics of interest. The LSD can be found at the bottom of each table.

The MU Variety Testing Program arranges varieties within each table from highest yield to lowest yield. The "top yielding" variety in each test is identified by a double asterisk (**) placed next to its yield. Varieties that did not yield significantly less than the highest yielding variety in the test are denoted in the tables by a single asterisk (*). Thus, by reading down the yield column, readers can readily identify the highest yielding varieties at a location.

Variety performance may seem inconsistent from location to location and from year to year. These differences are caused by differences among environments for rainfall, temperatures, soil fertility, diseases, insects, and many other factors. To obtain an improved estimate of relative variety performance, readers should consider results from more than one environment (locations and/or years). The vast majority of varieties are entered into our tests for only one year, so comparing varieties across multiple locations becomes even more important. The MU Variety Testing Program facilitates variety comparisons across locations by publishing Region Means. Region Means tables contain yield data from all individual locations in the region with yields averaged across the locations. The variety with the highest average yield and varieties that do not differ for yield from that variety are designated with double (**) and single (*) asterisks.

Although yield usually receives first consideration, other agronomic characteristics may be equally important when selecting a soybean variety. Standability, maturity, herbicide tolerance and disease resistance are among the characteristics that deserve careful consideration. We provide a table that contains several important characteristics of varieties entered into the MU Variety Testing Program. This information was provided by seed companies. Please contact seed company representatives for the latest information. Seed entered into the MU Variety Testing Program is usually treated with one or more seed treatments. These seed treatments are identified in the table listing the variety characteristics.

Accessibility of data

Results of the crop performance tests are available online at ***varietytesting.missouri.edu*** and in print format. If you need help accessing the website or would like to receive a printed copy, please call 573-882-2307.

Authors

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CROP MANAGEMENT AT TEST LOCATIONS

Adrian

Region/Maturity groups: Southwest/4
Cooperator: Jim Tenholder
Tillage: No-tillage
Planting date: May 21
Harvest date: Oct. 16
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Ultra Blazer, Select Max, Basagran

Albany

Region/Maturity groups: North/3 & 4
Cooperator: Missouri Ag Experiment Station
Tillage: No-tillage
Planting date: May 7
Harvest date: Nov. 14
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Basagran, Blazer, Select Max

Campbell

Region/Maturity groups: Southeast/4 & 5
Cooperator: Missouri Rice Research and Merchandising Council
Tillage: Conventional tillage
Planting date: June 8
Harvest date: Nov. 6
Herbicides: Valor, Warrant, Ultra Blazer, Select Max, Basagran

Canton

Region/Maturity groups: North/3 & 4
Cooperator: Bill Lloyd and Dan McCuthan
Tillage: Conventional tillage
Planting date: June 2
Harvest date: Nov. 8
Herbicides: Fierce XLT, Roundup, Liberty, Ultra Blazer, Basagran, Select Max, Warrant

Charleston

Region/Maturity groups: Southeast/4 & 5
Cooperator: Don Deline
Tillage: No-tillage
Planting date: May 26
Harvest date: Nov. 7
Herbicides: Fierce XLT, Warrant, Basagran, Blazer, Select Max

Columbia

Region/Maturity groups: Central/3 & 4
Cooperator Missouri Ag Experiment Station
Tillage: No-tillage
Planting date: May 13
Harvest date: Oct. 14
Herbicides: Fierce XLT, Roundup, Liberty, Ultra Blazer, Basagran, Select Max, Warrant

Dexter

Region/Maturity groups: Southeast/4 & 5
Cooperator: Aaron Porter
Tillage: Conventional tillage
Planting date: June 2
Harvest date: Nov. 6
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Prefix, Select Max

Fisk

Region/Maturity groups: Southeast/4 & 5
Cooperator: Nathan Goldschmidt
Tillage: Conventional tillage
Planting date: May 3
Harvest date: Nov. 2
Herbicides: Liberty, Gramoxone 2.0, Trivence, Zidua SC, Prefix

Foley

Region/Maturity groups: Southeast/3 & 4
Cooperator: Chris and Stan Rolf
Tillage: Conventional tillage
Planting date: June 8
Harvest date: Oct. 15
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Basagran, Blazer, Select Max

Garden City

Region/Maturity groups: Southwest/4
Cooperator: Bill Cook
Tillage: Conventional tillage
Planting date: May 21
Harvest date: Nov. 17
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Ultra Blazer, Select Max, Basagran

Crop Management at Test Locations (continued)

Henrietta

Region/Maturity groups: Central/3 & 4
Cooperator: John Williams
Tillage: Minimum tillage
Planting date: May 12
Harvest date: Oct. 17
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Ultra Blazer, Select Max, Basagran

Lamar

Region/Maturity groups: Southwest/4
Cooperator: Larry, Robert, and Carl Compton
Tillage: No-tillage
Planting date: June 2
Harvest date: Nov. 17
Herbicides: Anthem Max

Mooresville

Region/Maturity groups: North/3 & 4
Cooperator: Beetsma Farms
Tillage: Conventional tillage
Planting date: May 13
Harvest date: Nov. 3
Herbicides: Authority Max, 2-4 D, Warrant, Ultra Blazer, Select Max, Basagran

Norborne

Region/Maturity Groups: North/3 & 4
Cooperator: Kyle Durham
Tillage: Conventional tillage
Planting date: June 10
Harvest date: Nov. 19
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Ultra Blazer, Select Max, Basagran

Novelty

Region/Maturity Groups: North/3 & 4
Cooperator: Missouri Ag Experiment Station
Tillage: Minimum tillage
Planting date: June 19 (replant)
Harvest date: Nov. 9
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Ultra Blazer, Select Max, Basagran

Portageville

Region/Maturity groups: Southeast/4 & 5
Cooperator: Missouri Ag Experiment Station
Tillage: Conventional tillage
Planting date: May 27
Harvest date: Nov. 5
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Ultra Blazer, Select Max, Basagran

St. Joseph

Region/Maturity groups: North/3 & 4
Cooperator: Devin Ferguson
Tillage: Conventional tillage
Planting date: May 6
Harvest date: Nov. 18
Herbicides: Sencore, Treflan, Warrant, Ultra Blazer, Select Max, Basagran

Truxton

Region/Maturity groups: Central/3 & 4
Cooperator: Roy Cope
Tillage: No-tillage
Planting date: May 12
Harvest date: Oct. 9
Herbicides: Roundup, 2-4 D, Broad Axe, Warrant, Ultra Blazer, Select Max, Basagran

Urich

Region/Maturity groups: Central/4
Cooperator: Nathan and Kurt Gretzinger
Tillage: No-tillage
Planting date: May 21
Harvest date: Oct. 16
Herbicides: Fierce XLT, Roundup, Liberty, Warrant, Ultra Blazer, Select Max, Basagran

SOIL AND WEATHER INFORMATION FOR TEST LOCATIONS

		Precipitation (inches)					
Location	**Soil type**	**May**	**June**	**July**	**Aug.**	**Sept.**	**Season**
Adrian	Kenoma silt loam	5.1	3.2	7.1	3.4	3.0	21.80
Albany	Grundy silt loam	4.7	3.0	9.0	2.3	2.0	21.00
Campbell	Overcup silt loam	5.7	1.7	4.9	4.8	2.7	19.80
Canton	Westerville silt loam	4.7	5.8	7.2	1.3	3.6	22.60
Charleston	Lilbourn fine sandy loam	4.3	3.9	4.4	3.9	3.7	20.20
Columbia	Mexico silt loam	4.3	6.7	5.0	4.2	4.0	24.20
Dexter	Farrenburg fine sandy loam	6.2	3.5	4.9	5.1	4.4	24.10
Fisk	Calhoun silt loam	6.8	3.9	3.0	6.0	4.1	23.80
Foley	Kampville Silt loam	5.8	4.0	4.7	4.3	2.5	21.30
Garden City	Haig silt loam	6.8	3.8	7.6	3.1	4.2	25.50
Henrietta	Haynie silt loam	3.9	5.5	10.5	2.8	2.9	25.60
Lamar	Parsons silt loam	8.9	2.4	4.0	2.2	1.3	18.80
Mooresville	Grundy silt loam	5.2	3.2	5.0	2.2	3.4	19.00
Norborne	Norborne loam	3.4	4.2	8.2	2.3	5.2	23.30
Novelty	Putnam silt loam	4.9	3.6	6.4	1.5	3.0	19.40
Portageville	Tiptonville silt loam	5.4	4.8	3.7	5.0	5.1	24.00
St. Joseph	Marshall silt loam	4.1	4.5	11.4	1.6	2.5	24.10
Truxton	Mexico silt loam	4.4	4.2	7.6	2.2	5.2	23.60
Urich	Hartwell slit loam	4.9	3.6	6.5	2.8	2.8	20.60

NORTH REGION

Summary — Maturity Group 3

Brand-Variety	Albany (bu/ac)	Canton (bu/ac)	Mooresville (bu/ac)	Novelty (bu/ac)	St. Joseph (bu/ac)	Mean (bu/ac)
NK Seeds S39-G2X	69.3*	71.8**	63.5	60.0*	55.8*	64.1**
NK Seeds S39-E3	70.0*	69.8*	63.6	53.9	56.0*	62.7*
Dyna-Gro S38XS21	70.5**	63.7	67.2**	60.3**	49.8	62.3*
Golden Harvest G3922E3	64.4	69.3*	66.7*	55.7	53.3	61.9*
Dyna-Gro S37XS89	66.7	66.0	65.4*	56.1	54.0	61.6*
Nutech Seed 31N06E	65.4	65.6	66.0*	55.5	51.6	60.8
Asgrow AG39X0	68.8*	63.1	62.3	53.4	53.0	60.1
FS HiSOY 38E90	66.4	61.0	61.0	55.6	56.2*	60.0
FS HiSOY 37X70	66.3	71.2*	57.9	46.1	58.1**	59.9
Golden Harvest G3582E3	63.3	59.7	64.2*	53.4	57.9*	59.7
Nutech Seed 39N05E	63.0	62.3	63.5	54.4	53.6	59.4
NK Seeds S37-2E3S	59.9	68.3*	54.0	59.7*	54.4	59.3
FS HiSOY 38B00	62.7	62.0	64.0*	53.6	53.3	59.1
FS HiSOY 34E80	66.2	60.3	62.4	51.9	54.3	59.0
Dyna-Gro S37EN39	64.6	61.5	58.9	54.7	55.0*	58.9
FS HiSOY 32E00	63.9	66.6	54.4	56.5	52.6	58.8
AgVenture 39V5LL	64.7	66.3	56.6	53.2	53.4	58.8
Nutech Seed 34N06E	66.1	65.1	54.6	53.8	54.2	58.8
Nutech Seed 39N04E	60.6	62.5	62.7	56.1	52.0	58.8
Dyna-Gro S36ES70	64.1	64.1	55.4	54.5	54.8	58.6
NK Seeds S35-E3	66.7	59.8	62.1	53.4	51.1	58.6
DONMARIO DM 3756E	68.8*	59.1	62.1	51.6	51.2	58.6
Nutech Seed 35N03E	60.2	59.6	61.0	58.3*	52.0	58.2
Pioneer P33A53X	61.7	67.4	56.3	51.4	51.6	57.7
DONMARIO DM 3932E	58.6	62.1	65.2*	51.9	50.2	57.6
FS HiSOY 35B00	62.9	58.8	60.5	53.2	52.7	57.6
FS HiSOY 35X00	60.3	60.5	63.1	49.5	52.8	57.2
Stine 39EA02	61.9	62.9	58.9	47.4	53.4	56.9
AgVenture 36V3E	62.0	56.2	56.7	57.1	52.6	56.9
AgVenture 39V7E	64.2	55.1	57.3	54.2	53.5	56.9
MCIA Momentum 36C09	60.1	61.1	54.5	50.9	54.2	56.2
Nutech Seed 30N05E	59.6	60.0	55.3	51.0	50.1	55.2
Blue River Organic Seed 32DC8	62.6	55.6	50.2	52.7	54.9*	55.2
Nutech Seed 36N03E	61.0	58.6	53.8	51.3	50.8	55.1
Stine 36EA02	58.2	61.6	55.2	47.1	52.0	54.8
Blue River Organic Seed 34A7	52.0	64.4	50.2	49.0	55.8*	54.3
Blue River Organic Seed 35DC2	60.8	48.2	55.3	52.5	53.6	54.1
Nutech Seed 30N03E	58.8	55.2	53.0	48.9	51.1	53.4

Brand-Variety	Albany (bu/ac)	Canton (bu/ac)	Mooresville (bu/ac)	Novelty (bu/ac)	St. Joseph (bu/ac)	Mean (bu/ac)
Mean	**63.5**	**61.3**	**59.3**	**53.2**	**53.5**	**58.2**
LSD (10%)	**3.5**	**3.6**	**3.3**	**2.5**	**3.2**	**2.9**
CV (%)	**5.2**	**5.6**	**5.3**	**4.4**	**5.7**	**5.3**

** Highest yielding variety in test

* Yield not significantly less than the highest yielding variety in the test

NORTH REGION

Summary — Maturity Group 4

Brand-Variety	Albany (bu/ac)	Canton (bu/ac)	Mooresville (bu/ac)	Novelty (bu/ac)	St. Joseph (bu/ac)	Mean (bu/ac)
AgVenture 40U8LL	67.7**	62.3	67.1*	55.0*	48.7	60.2**
Pioneer P44A37L	59.7	68.5*	71.2**	49.2	51.7*	60.1*
Nutech Seed 43N04E	64.3	65.5*	69.4*	51.4	47.3	59.6*
Dyna-Gro S41ES80	61.2	63.6	67.5*	55.9**	49.0	59.4*
Stine 41EB32	54.5	68.2*	66.5*	49.3	51.2*	57.9*
Asgrow AG43X0	67.1*	64.7	59.3	44.6	49.3	57*
Nutech Seed 46N02E	58.0	65.7*	61.1	49.5	50.2	56.9*
AgVenture 40V7E	53.6	69.3**	53.4	52.3	53.2**	56.4*
Asgrow AG41X8	65.1*	60.4	55.5	49.0	51.2*	56.2*
Nutech Seed 45N04E	66.2*	60.2	61.6	48.1	45.0	56.2*
Asgrow AG49X0	59.8	59.5	64.2	44.6	46.4	54.9
Stine 41GC02	64.4	50.4	60.2	48.1	43.8	53.4
Stine 44EB32	52.4	61.9	57.5	46.8	41.2	52.0
Stine 46EB23	55.5	53.2	60.7	43.4	42.2	51.0
Stine 46EB20	52.3	58.0	52.8	45.3	41.7	50.0
Mycogen MY442L5	48.7	62.8	48.9	40.8	47.3	49.7
University of Arkansas R16-259	48.1	53.3	51.3	40.4	51.0*	48.8
Mean	**59.0**	**60.9**	**60.3**	**47.7**	**48.5**	**55.3**
LSD (10%)	**2.7**	**4.3**	**4.7**	**1.6**	**2.6**	**3.0**
CV (%)	**4.3**	**6.6**	**7.3**	**3.2**	**5.1**	**5.7**

** Highest yielding variety in test

* Yield not significantly less than the highest yielding variety in the test

CENTRAL REGION

Summary — Maturity Group 3

Brand-Variety	Columbia (bu/ac)	Foley (bu/ac)	Henrietta (bu/ac)	Norborne (bu/ac)	Truxton (bu/ac)	Mean (bu/ac)
Midland 3930NXS	69.4	78.2**	73.0*	68.3	71.0**	72.0*
FS HiSOY 35B00	70.1	74.7*	75.7**	69.3	63.7	70.7*
Midland 3999E3	76.4**	77.5*	61.5	68.8	66.4	70.1*
Dyna-Gro S38XS21	70.8	75.7*	71.3	70.9*	61.4	70.0*
NK Seeds S39-G2X	69.6	72.5	72.8*	63.9	66.0	69.0*
Nutech Seed 35N03E	69.6	72.1	72.3*	70.5*	60.0	68.9*
Nutech Seed 34N06E	69.4	72.6	69.4	65.8	62.4	67.9
FS HiSOY 39E00	74.4*	73.5	68.0	66.9	56.4	67.8
Nutech Seed 31N06E	68.8	74.0	63.7	71.5*	60.8	67.8
Asgrow AG39X0	64.6	74.6*	65.0	67.8	66.5	67.7
Midland 3711XS	68.4	72.3	70.6	69.4	57.9	67.7
FS HiSOY 38X00	71.8	70.8	68.5	67.5	57.4	67.2
FS HiSOY 38B00	69.5	71.9	66.5	66.7	58.5	66.6
NK Seeds S39-E3	71.2	70.0	68.8	65.3	57.1	66.5
AgVenture 39V7E	69.0	70.7	67.4	65.5	56.8	65.9
FS HiSOY 35X00	66.2	70.5	66.0	67.3	59.4	65.9
AgVenture 39V5LL	66.2	66.8	71.8*	69.5	54.4	65.7
Dyna-Gro S37EN39	69.1	67.9	65.8	71.8*	53.5	65.6
FS HiSOY 38E90	69.5	71.1	64.8	73.3**	49.4	65.6
DONMARIO DM 3932E	66.1	68.0	71.9*	64.2	57.4	65.5
Nutech Seed 39N05E	64.6	71.3	65.4	63.5	62.0	65.4
Blue River Organic Seed 39CK9	65.2	64.7	67.6	62.0	66.6	65.2
DONMARIO DM 3756E	71.0	67.1	70.8	70.0*	46.5	65.1
Dyna-Gro S39EN19	67.9	65.4	65.5	67.8	58.7	65.1
Nutech Seed 36N03E	64.9	68.3	61.5	66.4	62.5	64.7
DONMARIO DM38X51	67.3	67.7	67.9	65.5	52.5	64.2
Pioneer P33A53X	67.0	64.2	65.5	64.9	56.7	63.7
Stine 39EA02	65.2	65.6	65.5	61.9	59.9	63.6
FS HiSOY 37X70	68.4	69.3	58.0	61.9	59.4	63.4
Stine 36EA02	63.7	71.3	65.4	63.9	51.4	63.1
Nutech Seed 39N04E	68.1	63.5	65.7	66.4	48.5	62.4
MCIA Momentum 39C09	59.5	68.8	59.7	60.8	59.4	61.6
MCIA Show Me Soy 3901C	67.2	61.8	64.5	61.0	51.3	61.2
Blue River Organic Seed 35DC2	62.0	66.0	65.0	64.2	44.6	60.4
MCIA SA13-2699C	65.3	60.6	56.4	64.1	41.6	57.6
Mean	**67.5**	**69.3**	**66.8**	**66.1**	**58.2**	**65.6**
LSD (10%)	**2.4**	**3.9**	**4.3**	**3.5**	**4.1**	**3.3**
CV (%)	**3.4**	**5.4**	**6.1**	**5.0**	**6.7**	**5.4**

** Highest yielding variety in test

* Yield not significantly less than the highest yielding variety in the test

CENTRAL REGION

Summary — Maturity Group 4

Brand-Variety	Columbia (bu/ac)	Foley (bu/ac)	Henrietta (bu/ac)	Norborne (bu/ac)	Truxton (bu/ac)	Mean (bu/ac)
AgVenture 47V4LL	73.2*	74.1*	73.4*	81.0**	57.0	71.7**
Midland 4677NXS	72.9*	74.2*	73.9*	65.2	62.5*	69.7*
Dyna-Gro S43XS70	69.0	74.0*	70.0	73.8	61.2	69.6*
Midland 4140NXS	70.3	70.3	72.7*	71.3	63.6*	69.6*
Asgrow AG49X0	74.1**	60.3	70.2	77.5	64.3*	69.3*
NK Seeds S42-B9XS	69.8	76.6*	62.1	63.1	65.5**	67.4
Golden Harvest G4155E3	73.7*	69.5	64.9	67.7	61.3	67.4
Nutech Seed 43N04E	71.7*	68.1	65.9	66.4	61.2	66.7
Pioneer P44A37L	73.2*	66.1	71.8*	67.9	53.6	66.5
Dyna-Gro S41ES80	72.8*	64.5	74.2**	66.8	52.6	66.2
Asgrow AG43X0	66.5	76.8**	67.3	65.2	54.2	66.0
Dyna-Gro S43EN61	67.4	71.5	67.0	61.2	59.3	65.3
Midland 4260E3S	66.8	64.6	69.7	63.1	61.0	65.0
AgVenture 45V8E	70.1	68.7	63.6	63.5	57.6	64.7
Midland 4031X	66.9	62.3	66.7	66.2	59.5	64.3
Midland 4251X	65.9	66.2	67.1	62.0	59.1	64.1
AgVenture 43V8LL	68.4	68.2	66.3	58.0	58.5	63.9
Nutech Seed 46N02E	70.1	64.0	63.7	60.2	59.8	63.6
AgVenture 43V6E	66.5	64.4	62.7	68.1	56.0	63.5
Nutech Seed 49N03E	68.2	62.1	62.8	63.7	59.5	63.3
Pioneer P33A53X	67.9	72.4	49.7	67.2	57.4	62.9
Stine 44EB32	65.0	62.1	61.2	64.7	61.1	62.8
Nutech Seed 45N04E	66.3	70.2	62.0	56.4	57.5	62.5
AgVenture 40V7E	66.3	63.3	60.1	56.9	65.4*	62.4
Stine 41EB32	66.6	67.4	58.4	60.2	57.8	62.1
Stine 41GC02	63.0	66.3	64.6	65.3	49.7	61.8
Mycogen MY442L5	62.5	63.4	62.6	64.3	56.0	61.8
Asgrow AG39X0	67.3	69.4	55.5	62.7	53.8	61.7
Asgrow AG41X8	61.3	68.9	58.2	55.6	60.8	61.0
Blue River Organic Seed 41DC8	63.4	67.8	62.4	60.1	46.3	60.0
Nutech Seed 48N04E	64.2	65.8	59.7	55.6	50.7	59.2
MCIA Momentum 46G08	60.8	67.6	63.9	54.8	48.5	59.1
Stine 46EB23	57.5	57.1	55.8	47.4	64.1*	56.4
Stine 46EB20	59.9	58.8	53.3	51.5	53.4	55.4
University of Missouri S15-10879C	61.2	56.7	52.6	59.0	42.5	54.4
University of Arkansas R16-259	55.2	54.1	50.6	59.9	46.2	53.2
Mean	**66.9**	**66.7**	**63.8**	**63.7**	**57.5**	**63.7**
LSD (10%)	**2.4**	**3.2**	**3.8**	**3.1**	**4.8**	**3.2**
CV (%)	**3.3**	**4.5**	**5.6**	**4.6**	**7.9**	**5.2**

** Highest yielding variety in test

* Yield not significantly less than the highest yielding variety in the test

SOUTHWEST REGION

Summary — Maturity Group 4

Brand-Variety	Garden City (bu/ac)	Lamar (bu/ac)	Urich (bu/ac)	Mean (bu/ac)
AGS GS48X19	55.1	67.0*	64.3	62.1**
Nutech Seed 46N02E	57.2	62.5	66.7*	62.1**
Go Soy 50G17	56.0	65.8*	63.0	61.6*
Asgrow AG49X0	57.3	61.4	65.3*	61.3*
Asgrow AG43X0	53.4	67.6**	59.3	60.1*
Nutech Seed 41N03E	59.4*	55.8	59.6	58.3*
Go Soy 512E21	47.7	58.7	67.7**	58.0
NK Seeds S46-E3	59.7*	55.7	57.6	57.7
Stine 44EB32	53.5	56.8	62.5	57.6
Go Soy 49G16	45.4	66.4*	59.9	57.2
Dyna-Gro S46XS60	51.6	59.5	60.6	57.2
MCIA MO 4901D	50.0	66.1*	54.6	56.9
Asgrow AG41X8	50.7	56.8	63.1	56.9
NK Seeds S45-Z5X	53.2	56.4	61.0	56.9
Nutech Seed 45N04E	53.8	52.4	64.4	56.9
Dyna-Gro S48XT90	49.0	60.8	56.8	55.5
Go Soy 463E20S	51.3	55.9	59.3	55.5
Stine 41EB32	55.5	50.0	58.6	54.7
Blue River Organic Seed 41DC8	46.2	57.1	59.7	54.3
Stine 46EB23	47.6	54.0	61.0	54.2
Nutech Seed 49N03E	49.1	58.5	54.3	54.0
Stine 39EA02	49.2	54.5	58.2	54.0
Pioneer P44A37L	60.9**	53.8	47.0	53.9
Nutech Seed 43N04E	43.5	52.1	66.2*	53.9
Pioneer P33A53X	50.3	54.8	55.4	53.5
MCIA S14-15138GT/STS	46.7	54.9	58.5	53.4
NK Seeds S48-2E3	52.9	58.7	48.2	53.3
Dyna-Gro S46ES91	49.3	56.8	53.3	53.1
Stine 46EB20	41.5	59.1	57.8	52.8
Asgrow AG39X0	41.1	58.5	57.2	52.3
Stine 36EA02	38.3	55.3	63.4	52.3
Go Soy GT Ireane	46.6	55.3	53.7	51.9
Go Soy 41C19	38.1	54.9	62.2	51.7
Stine 41GC02	51.7	48.2	55.1	51.7
Go Soy 46G19	45.5	56.2	52.8	51.5
NK Seeds S49-F5X	51.9	55.1	47.5	51.5
Go Soy 471E19S	47.3	55.4	50.8	51.2
DONMARIO DM 43E51	38.5	53.8	60.8	51.0
Nutech Seed 48N04E	48.3	56.7	46.4	50.5
Blue River Organic Seed 49CK6	42.9	48.9	58.9	50.2
DONMARIO DM 45X61	48.6	47.3	50.3	48.7

Summary — Maturity Group 4 Southwest Region (continued)

Brand-Variety	Garden City (bu/ac)	Lamar (bu/ac)	Urich (bu/ac)	Mean (bu/ac)
AGS GS49X21	39.5	48.8	51.1	46.5
Go Soy 43C17S	39.6	46.6	53.2	46.5
Blue River Organic Seed e4993	50.2	51.9	36.4	46.2
Mycogen MY442L5	45.3	45.2	44.6	45.0
University of Arkansas R16-259	43.8	47.3	37.3	42.8
University of Arkansas R13-14635RR	42.2	46.4	33.4	40.7
MCIA Momentum 46G08	36.5	46.3	35.0	39.3
Mean	**48.7**	**55.2**	**55.7**	**53.2**
LSD (10%)	**3.5**	**3.1**	**3.1**	**3.8**
CV (%)	**6.8**	**5.4**	**5.3**	**5.8**

** Highest yielding variety in test
* Yield not significantly less than the highest yielding variety in the test

SOUTHEAST REGION

Summary — Maturity Group 4

Brand-Variety	Campbell (bu/ac)	Charleston (bu/ac)	Dexter (bu/ac)	Fisk (bu/ac)	Portageville (bu/ac)	Mean (bu/ac)
Midland 4991XS	80.1	72.1*	79.1	81.9*	82.1	79.1**
Local Seed LSX4812XS	66.7	74.4*	84.8*	80.8	85.6*	78.5*
Dyna-Gro S43XS70	88.8**	67.3	70.5	77.4	87.1**	78.2*
Midland 4677NXS	75.6	74.9*	76.9	82.0*	81.1	78.1*
AgriGold G4820RX	77.1	73.9*	69.3	84.2*	82.9*	77.5*
AgriGold G4255RX	84.2*	66.8	80.7*	72.2	81.9	77.2*
DELTA GROW DG48X45	70.8	73.8*	78.0	78.3	84.3*	77.0*
Local Seed LS4999X	73.2	73.0*	84.0*	76.7	75.9	76.6*
AgriGold G4995RX	81.0	67.7	69.9	85.9**	77.3	76.4*
AgVenture 46V6X	73.3	68.2	85.5**	83.4*	71.1	76.3*
Armor 48-D25	72.7	68.1	78.8	83.1*	78.8	76.3*
AgriGold G4620RX	75.2	63.2	74.7	85.2*	82.8*	76.2*
Armor 49-D14	80.4	67.2	83.0*	71.7	76.5	75.8*
Local Seed LS4299XS	74.9	60.6	85.0*	75.5	83.2*	75.8*
Asgrow AG49X0	71.7	66.2	76.6	83.3*	77.0	75.0*
Local Seed LS4795XS	77.3	70.0	65.5	83.1*	76.2	74.4*
FS HiSOY 41X70	70.6	74.6*	79.0	70.9	76.6	74.3*
AgVenture 45F3X	71.9	69.1	74.1	68.4	86.9*	74.1
Dyna-Gro S46XS60	77.4	64.3	68.4	80.2	79.1	73.9
USG 7461XT	79.2	64.2	74.4	70.6	79.6	73.6
Armor 46-D09	73.2	63.9	71.4	76.8	82.6*	73.6
AgriGold G4318RX	74.5	67.5	76.9	73.2	74.4	73.3
Armor 44-D49	74.1	62.6	72.7	75.7	81.5	73.3
DELTA GROW DG48X05	75.4	69.0	67.5	70.9	82.5	73.1
DELTA GROW DG46X65	81.8	67.1	57.4	78.7	78.8	72.8
Armor 44-D92	74.9	60.8	72.4	74.1	82.0	72.8
USG 7496XTS	58.5	75.4**	79.5	77.5	71.8	72.5
Dyna-Gro SX20343XS	78.0	60.0	79.4	67.5	77.6	72.5
Midland 4850X	71.6	65.1	76.3	72.7	75.7	72.3
REV 4311X	67.0	67.8	71.4	76.1	76.4	71.7
Local Seed LSX4612XS	61.8	68.3	75.8	75.1	76.9	71.6
AGS GS48X19	66.5	68.5	67.2	75.1	80.2	71.5
REV 4927X	60.0	68.7	74.7	80.0	73.5	71.4
Dyna-Gro S48XT40	66.0	65.6	68.4	77.9	79.0	71.4
DELTA GROW DG46X05	73.2	68.4	68.3	73.3	71.7	71.0
REV 4940X	67.2	64.8	68.2	77.4	76.4	70.8
Asgrow AG43X0	71.4	69.7	64.5	74.2	73.9	70.7
Local Seed LS4565XS	63.1	63.3	68.1	76.8	82.3	70.7
DELTA GROW DG49X15	73.5	66.1	68.6	70.8	73.4	70.5
USG 7489XT	72.3	67.9	63.8	72.2	75.2	70.3
Dyna-Gro S48XT90	72.5	60.6	71.6	68.5	77.6	70.2

Summary — Maturity Group 4 Southeast Region (continued)

Brand-Variety	Campbell (bu/ac)	Charleston (bu/ac)	Dexter (bu/ac)	Fisk (bu/ac)	Portageville (bu/ac)	Mean (bu/ac)
DONMARIO DM 45X61	56.3	71.0*	70.0	77.7	73.8	69.8
Midland 4488NXS	68.1	67.1	64.2	72.1	75.4	69.4
Local Seed LS4407X	70.0	59.1	76.3	64.4	76.8	69.3
AGS GS47X19	76.4	59.3	70.2	59.0	79.8	68.9
AGS GS49X21	62.7	68.0	64.4	67.4	79.0	68.3
Armor 44-E44	87.8*	50.9	65.4	71.3	62.5	67.6
DELTA GROW DG47X95ISTS	70.6	65.1	61.2	65.1	75.1	67.4
Armor 47-E02	78.1	48.7	70.3	78.8	59.6	67.1
FS HiSOY 38X00	73.3	64.0	67.4	59.5	68.9	66.6
Asgrow AG41X8	67.0	64.0	54.6	72.3	72.6	66.1
Dyna-Gro S46ES91	73.6	43.4	71.2	78.3	62.6	65.8
REV 4679X	63.8	51.5	65.8	59.0	83.1*	64.6
Go Soy 463E20S	59.1	54.8	60.6	79.0	63.6	63.4
DELTA GROW DG45E10	71.7	52.1	55.6	71.6	61.3	62.5
FS HiSOY 45E00	64.0	49.3	59.0	75.4	63.0	62.1
Local Seed LS3976X	58.7	55.9	65.2	56.4	66.7	60.6
Armor 46-E50	69.3	39.6	69.4	73.6	48.2	60.0
Dyna-Gro S43EN61	68.7	29.8	64.0	77.2	53.8	58.7
Local Seed ZS4694E3S	76.2	41.1	56.6	64.7	54.3	58.6
FS HiSOY 42E90	68.0	37.4	62.9	65.3	57.9	58.3
Midland 4260E3S	61.1	40.7	55.8	64.8	65.4	57.6
University of Missouri S16-14730C	66.9	40.5	56.2	66.8	57.5	57.6
Stine 46EB23	65.6	40.3	60.2	67.9	54.0	57.6
DONMARIO DM 43E51	70.6	29.8	59.5	72.5	54.2	57.3
Stine 44EB32	73.3	29.5	51.9	72.2	59.6	57.3
Dyna-Gro S45ES10	59.6	39.8	61.6	71.1	52.4	56.9
Go Soy 48C17S	57.2	38.7	68.0	65.0	54.2	56.6
Go Soy 481E19	71.9	44.6	46.6	63.9	55.6	56.5
DELTA GROW DG45E28	59.5	49.4	48.5	61.8	60.7	56.0
University of Missouri S16-11644C	56.5	39.2	62.8	69.9	50.7	55.8
DELTA GROW DG48E49ISTS	66.5	31.3	60.1	60.7	60.2	55.8
Blue River Organic Seed e4993	70.0	36.3	45.1	71.2	54.3	55.4
University of Missouri S16-5540R	57.4	42.0	60.9	58.1	58.2	55.3
Midland 4880E3S	67.8	41.4	46.5	73.0	47.7	55.3
FS HiSOY 43E00	63.0	36.3	56.8	66.2	53.6	55.2
Stine 41GC02	62.7	43.8	50.2	58.8	60.1	55.1
Blue River Organic Seed 49CK6	63.7	32.5	54.1	64.8	60.2	55.1
Go Soy 473E20	66.1	30.6	48.9	72.5	57.4	55.1
University of Arkansas R16-259	52.8	49.7	51.9	63.3	57.5	55.0
Local Seed LSX4711GL	63.9	35.2	48.9	70.2	56.8	55.0

Brand-Variety	Campbell (bu/ac)	Charleston (bu/ac)	Dexter (bu/ac)	Fisk (bu/ac)	Portageville (bu/ac)	Mean (bu/ac)
Stine 41EB32	69.9	37.4	53.3	65.5	48.6	54.9
Local Seed LSX3911GL	63.6	45.2	65.2	47.9	51.8	54.7
Go Soy 43C17S	56.1	38.1	55.4	67.4	56.0	54.6
Go Soy GT Ireane	62.8	38.3	48.0	66.0	54.6	53.9
Pioneer P44A37L	66.3	31.1	50.6	59.0	58.9	53.2
Stine 46EB20	66.1	25.5	52.4	67.0	54.8	53.2
FS HiSOY 48E00	64.0	24.8	46.5	80.7	49.7	53.1
DELTA GROW DG47E80ISTS	69.8	37.9	39.4	72.0	43.5	52.5
Armor 48-E81	65.8	27.8	36.9	76.2	52.2	51.8
DELTA GROW DG48E10	56.4	34.6	44.5	58.7	56.8	50.2
DELTA GROW DG49E00ISTS	63.5	25.2	34.4	80.2	46.6	50.0
Go Soy 41C19	64.5	29.9	42.8	61.0	48.3	49.3
Mycogen MY442L5	64.8	27.7	46.6	43.9	49.4	46.5
Mean	**68.1**	**52.2**	**63.5**	**68.2**	**66.8**	**63.8**
LSD (10%)	**6.4**	**5.1**	**5.8**	**4.9**	**4.5**	**4.8**
CV (%)	**8.9**	**9.2**	**8.7**	**6.8**	**6.5**	**8.0**

** Highest yielding variety in test
* Yield not significantly less than the highest yielding variety in the test

SOUTHEAST REGION

Summary — Maturity Group 5

Brand-Variety	Campbell (bu/ac)	Charleston (bu/ac)	Dexter (bu/ac)	Fisk (bu/ac)	Portageville (bu/ac)	Mean (bu/ac)
Local Seed LS5087X	75.7*	81.9**	74.5**	78.2**	83.7	78.8**
Local Seed LS5009XS	77.2**	69.5	71.9*	71.9	87.4**	75.6*
Local Seed LS5386X	69.1	77.6	67.0	71.8	86.0*	74.3
University of Missouri S16-15170C	72.0	55.6	57.8	68.1	68.1	64.3
University of Missouri S16-3747R	62.1	49.9	58.4	63.3	62.3	59.2
Go Soy 512E21	66.0	43.2	47.3	76.5*	53.5	57.3
MCIA Momentum 52C06	57.3	36.3	54.0	68.5	68.3	56.9
Local Seed ZS5098E3	70.8	43.5	49.0	65.9	54.3	56.7
DELTA GROW DG51E60	60.9	47.5	45.3	76.2*	50.3	56.0
University of Arkansas R13-14635RR	66.3	49.1	47.1	56.2	60.5	55.8
Mean	**65.2**	**47.1**	**53.7**	**68.6**	**62.0**	**59.3**
LSD (10%)	**2.7**	**4.0**	**4.0**	**4.9**	**3.4**	**3.5**
CV (%)	**3.9**	**8.1**	**7.1**	**6.7**	**5.1**	**6.1**

** Highest yielding variety in test
* Yield not significantly less than the highest yielding variety in the test

SOUTHEAST REGION

Summary — Maturity Group 4 and 5 Dicamba

Brand-Variety	Campbell (bu/ac)	Charleston (bu/ac)	Dexter (bu/ac)	Fisk (bu/ac)	Portageville (bu/ac)	Mean (bu/ac)
Midland 4991XS	71.3*	71.7	77.6*	77.0	75.0	74.5**
Asgrow AG49X0	63.1	68.2	83.0**	79.5*	76.0	74.0*
AgriGold G4820RX	71.4*	73.1	65.9	83.0**	76.3	73.9*
Local Seed LS4795XS	73.0*	68.4	79.0*	75.4	73.7	73.9*
Local Seed LSX4812XS	69.5	81.9**	74.8	65.8	75.7	73.5*
AgriGold G4620RX	63.1	71.2	73.6	81.6*	78.1*	73.5*
AgVenture 45F3X	68.4	68.7	71.5	78.3*	80.0*	73.4*
Local Seed LS4999X	72.3*	77.9*	78.9*	59.7	73.3	72.4*
Midland 4677NXS	68.5	65.7	71.3	80.0*	76.7	72.4*
Local Seed LS5009XS	71.5*	65.2	74.0	75.3	74.7	72.1*
REV 4940X	66.0	66.3	81.5*	69.6	74.8	71.6*
Armor 44-D49	65.6	75.0	66.6	67.6	82.8**	71.5*
AgriGold G4255RX	67.6	66.2	69.3	79.1*	74.2	71.3*
AgVenture 46V6X	65.4	64.7	79.5*	71.8	75.3	71.3*
DONMARIO DM 45X61	62.6	73.2	74.2	69.5	76.5	71.2*
AgriGold G4995RX	67.0	66.3	75.5	77.5	69.8	71.2*
AGS GS48X19	72.6*	71.6	69.4	73.3	67.5	70.9*
Dyna-Gro S43XS70	70.9*	68.3	75.8	70.6	68.6	70.8*
FS HiSOY 41X70	60.0	71.5	79.7*	64.1	77.7*	70.6*
Armor 44-D92	59.4	68.6	75.7	74.1	75.0	70.6*
Armor 48-D25	65.4	64.7	68.3	79.9*	74.1	70.5*
Local Seed LS5087X	67.3	72.9	71.7	70.3	69.9	70.4*
REV 4311X	73.8*	71.3	65.8	67.0	73.9	70.4*
DELTA GROW DG49X15	69.0	69.1	74.2	70.9	68.0	70.2*
Dyna-Gro SX20343XS	71.6*	69.5	73.3	65.8	68.8	69.8*
Armor 46-D09	58.9	70.3	71.9	72.5	74.9	69.7
Armor 49-D14	64.5	66.1	71.9	71.2	74.2	69.6
USG 7496XTS	63.5	61.6	74.3	75.1	73.5	69.6
REV 4927X	63.2	65.4	75.8	71.6	71.0	69.4
AgriGold G4318RX	72.0*	62.6	75.7	59.3	77.4*	69.4
Midland 4488NXS	61.9	60.3	71.1	76.4	77.3	69.4
USG 7489XT	62.3	63.9	72.7	69.3	77.7*	69.2
Local Seed LS5386X	62.7	64.6	73.0	72.4	70.3	68.6
Local Seed LS4299XS	75.0**	62.6	73.9	67.9	63.2	68.5
Dyna-Gro S48XT40	53.7	65.6	70.8	82.9*	67.5	68.1
Dyna-Gro S48XT90	71.3*	61.4	76.8*	61.5	69.5	68.1
Asgrow AG43X0	61.8	63.7	71.5	72.4	69.5	67.8
Dyna-Gro S46XS60	60.6	57.6	70.1	73.0	73.8	67.0
USG 7461XT	61.4	56.2	68.9	71.6	71.7	66.0
Local Seed LS4565XS	62.8	61.9	75.1	68.6	60.8	65.8
Local Seed LSX4612XS	64.6	63.7	60.7	71.3	67.8	65.6

Summary — Maturity Group 4 and 5 Dicamba Southeast Region (continued)

Brand-Variety	Campbell (bu/ac)	Charleston (bu/ac)	Dexter (bu/ac)	Fisk (bu/ac)	Portageville (bu/ac)	Mean (bu/ac)
AGS GS49X21	49.9	61.8	77.1*	65.2	73.8	65.6
AGS GS47X19	73.6*	57.8	62.4	57.4	73.5	64.9
DELTA GROW DG46X05	60.3	69.3	62.0	71.4	60.7	64.7
Local Seed LS4407X	72.0*	61.5	71.7	52.5	64.8	64.5
Midland 4850X	66.1	58.1	61.7	66.1	67.1	63.8
Asgrow AG41X8	55.1	55.7	65.6	68.6	72.1	63.4
Local Seed LS3976X	59.9	63.4	73.3	51.5	62.6	62.1
FS HiSOY 38X00	60.9	63.6	61.0	57.6	66.9	62.0
REV 4679X	52.8	58.8	60.5	58.6	70.1	60.2
Mean	**64.5**	**61.6**	**69.8**	**69.9**	**71.7**	**67.5**
LSD (10%)	**4.3**	**4.9**	**6.3**	**5.4**	**5.4**	**4.7**
CV (%)	**6.3**	**7.5**	**8.5**	**7.3**	**7.1**	**7.4**

** Highest yielding variety in test

* Yield not significantly less than the highest yielding variety in the test

CHARACTERISTICS FOR SOYBEAN VARIETIES

All information in this table was provided by the seed companies. The MU Variety Testing Program does not guarantee accuracy. Please contact seed dealers for the latest information. N/I means information was unavailable.

Variety	MG[1]	Seed treatment[2]	SCN Source [3]	Herbicide trait[4]
AgriGold G4255RX	4.2	AgriShield Max + Saltro	PI88788	RR2X
AgriGold G4318RX	4.3	AgriShield Max + Saltro	PI88788	RR2X
AgriGold G4620RX	4.6	AgriShield Max + Saltro	PI88788	RR2X
AgriGold G4820RX	4.8	AgriShield Max + Saltro	PI88788	RR2X
AgriGold G4995RX	4.8	AgriShield Max + Saltro	PI88788	RR2X
AGS GS48X19	4.8	CruiserMaxx Vibrance	PI88788	RR2X
AGS GS47X19	4.7	CruiserMaxx Vibrance	Unknown	RR2X
AGS GS49X21	4.9	CruiserMaxx Vibrance	PI88788	RR2X
AgVenture 36V3E	3.6	Security	PI88788	E3
AgVenture 39V5LL	3.9	Security	PI88788	LL
AgVenture 39V7E	3.9	Security	PI88788	E3
AgVenture 40U8LL	4.0	Security	PI88788	LL
AgVenture 40V7E	4.0	Security	PI88788	E3
AgVenture 43V6E	4.3	Security	PI88788	E3
AgVenture 43V8LL	4.3	Security	PI88788	LL
AgVenture 45F3X	4.5	Security	PI88788	RR2X
AgVenture 45V8E	4.5	Security	PI88788	E3
AgVenture 46V6X	4.6	Security	PI88788	RR2X
AgVenture 47V4LL	4.7	Security	PI88788	LL
Armor 44-D49	4.4	Warden CX	PI88788	RR2X
Armor 44-D92	4.4	Warden CX	PI88788	RR2X
Armor 44-E44	4.4	Warden CX	PI88788	E3
Armor 46-D09	4.6	Warden CX	PI88788	RR2X
Armor 48-D25	4.8	Warden CX	PI88788	RR2X
Armor 46-E50	4.6	Warden CX	PI88788	E3
Armor 47-E02	4.7	Warden CX	PI88788	E3
Armor 48-E81	4.8	Warden CX	PI88788	E3
Armor 49-D14	4.9	Warden CX	PI88788	RR2X
Asgrow AG39X0	3.9		N/I	RR2X
Asgrow AG41X8	4.1		PI88788	RR2X
Asgrow AG43X0	4.3		PI88788	RR2X
Asgrow AG49X0	4.9		N/I	RR2X
Blue River Organic Seed 32DC8	3.2	None	Peking	Conv
Blue River Organic Seed 34A7	3.4	None	Peking	Conv
Blue River Organic Seed 35DC2	3.5	None	Peking	Conv
Blue River Organic Seed 41DC8	4.1	None	Peking	Conv
Blue River Organic Seed 49CK6	4.9	None	Peking	Conv

Characteristics for soybean varieties (continued)

Variety	MG[1]	Seed treatment[2]	SCN Source [3]	Herbicide trait[4]
Blue River Organic Seed e4993	4.9	None	Peking	Conv
DELTA GROW DG45E10	4.5	CruiserMaxx	PI88788	RR2Y
DELTA GROW DG45E28	4.5	CruiserMaxx	PI88788	E3
DELTA GROW DG46X05	4.6	CruiserMaxx	PI88788	RR2X
DELTA GROW DG46X65	4.6	CruiserMaxx	PI88788	RR2Y
DELTA GROW DG47E80ISTS	4.7	CruiserMaxx	PI88788	E3
DELTA GROW DG47X95ISTS	4.7	CruiserMaxx	PI88788	RR2Y
DELTA GROW DG48E10	4.8	CruiserMaxx	PI88788	E3
DELTA GROW DG48E49ISTS	4.8	CruiserMaxx	PI88788	E3
DELTA GROW DG48X05	4.8	CruiserMaxx	PI88788	RR2Y
DELTA GROW DG48X45	4.8	CruiserMaxx	PI88788	RR2Y
DELTA GROW DG49E00ISTS	4.9	CruiserMaxx	PI88788	E3
DELTA GROW DG49X15	4.9	CruiserMaxx	PI88788	RR2X
DELTA GROW DG51E60	5.1	CruiserMaxx	PI88788	E3
DONMARIO DM 3756E	3.7		PI88788	E3
DONMARIO DM 38X51	3.8		PI88788	RR2X
DONMARIO DM 3932E	3.9		PI88788	E3
DONMARIO DM 40X61	4.0		N/I	RR2X
DONMARIO DM 43E51	4.3		N/I	E3
DONMARIO DM 45X61	4.5		N/I	RR2X
Dyna-Gro S36ES70	3.6	Equip VIP + Saltro	PI88788	E3
Dyna-Gro S37EN39	3.7	Equip VIP + Saltro	PI88788	E3
Dyna-Gro S37XS89	3.7	Equip VIP + Saltro	PI88788	RR2X
Dyna-Gro S38XS21	3.8	Equip VIP + Saltro	PI88788	RR2X
Dyna-Gro S39EN19	3.9	Equip VIP + Saltro	PI88788	E3
Dyna-Gro S41ES80	4.1	Equip VIP + Saltro	PI88788	E3
Dyna-Gro S43EN61	4.3	Equip VIP + Saltro	PI88788	E3
Dyna-Gro S43XS70	4.3	Equip VIP + Saltro	PI88788	RR2X
Dyna-Gro S45ES10	4.5	Equip VIP + Saltro	PI88788	E3
Dyna-Gro S46ES91	4.6	Equip VIP + Saltro	PI88788	E3
Dyna-Gro S46XS60	4.6	Equip VIP + Saltro	PI88788	RR2X
Dyna-Gro S48XT40	4.8	Equip VIP + Saltro	PI88788	RR2X
Dyna-Gro S48XT90	4.8	Equip VIP + Saltro	None	RR2X
Dyna-Gro SX20343XS	4.3	Equip VIP + Saltro	PI88788	RR2X
FS HiSOY 32E00	3.2	Acceleron 1 + Ft Saltro	PI88788	E3
FS HiSOY 34E80	3.4	Acceleron 1 + Ft Saltro	PI88788	E3
FS HiSOY 35B00	3.5	Acceleron 1 + Ft Saltro	PI88788	GT27
FS HiSOY 35X00	3.5	Acceleron 1 + Ft Saltro	PI88788	RR2X
FS HiSOY 37X70	3.7	Acceleron 1 + Ft Saltro	PI88788	RR2X
FS HiSOY 38B00	3.8	Acceleron 1 + Ft Saltro	PI88788	GT27
FS HiSOY 38E90	3.8	Acceleron 1 + Ft Saltro	PI88788	E3

Variety	MG[1]	Seed treatment[2]	SCN Source [3]	Herbicide trait[4]
FS HiSOY 38X00	3.8	Acceleron 1 + Ft Saltro	PI88788	RR2X
FS HiSOY 39E00	3.9	Acceleron 1 + Ft Saltro	PI88788	E3
FS HiSOY 41X70	4.1	Acceleron 1 + Ft Saltro	PI88788	RR2X
FS HiSOY 42E90	4.2	Acceleron 1 + Ft Saltro	PI88788	E3
FS HiSOY 43E00	4.3	Acceleron 1 + Ft Saltro	PI88788	E3
FS HiSOY 45E00	4.5	Acceleron 1 + Ft Saltro	PI88788	E3
FS HiSOY 48E00	4.8	Acceleron 1 + Ft Saltro	PI88788	E3
Go Soy 41C19	4.1	CruiserMaxx Vibrance	Unknown	Conv
Go Soy 46G19	4.6	CruiserMaxx Vibrance	Unknown	RR2Y
Go Soy 471E19S	4.7	CruiserMaxx Vibrance	Unknown	E3
Go Soy 512E21	5.1	CruiserMaxx Vibrance	PI88788	E3
Go Soy 43C17S	4.3	CruiserMaxx Vibrance	PI88788	Conv
Go Soy 463E20S	4.6	CruiserMaxx Vibrance	PI88788	E3
Go Soy 473E20	4.7	CruiserMaxx Vibrance	PI88788	E3
Go Soy 481E19	4.8	CruiserMaxx Vibrance	Unknown	E3
Go Soy 48C17S	4.8	CruiserMaxx Vibrance	Unknown	Conv
Go Soy 49G16	4.9	CruiserMaxx Vibrance	Hartwig	RR2Y
Go Soy 50G17	5.0	CruiserMaxx Vibrance	Hartwig	RR2Y
Go Soy GT Ireane	4.9	CruiserMaxx Vibrance	Peking	RR2Y
Golden Harvest G3582E3	3.5	CruiserMaxx + Vibrance + Saltro	PI88788	E3
Golden Harvest G3922E3	3.9	CruiserMaxx + Vibrance + Saltro	PI88788	E3
Golden Harvest G4155E3	4.2	CruiserMaxx + Vibrance + Saltro	PI88788	E3
Local Seed LS3976X	3.9	Radius Premium	N/I	RR2X
Local Seed LS4299XS	4.2	Radius Premium	N/I	RR2X
Local Seed LS4407X	4.4	Radius Premium	N/I	RR2X
Local Seed LS4565XS	4.5	Radius Premium	N/I	RR2X
Local Seed LS4795XS	4.7	Radius Premium	N/I	RR2X
Local Seed LS4999X	4.9	Radius Premium	N/I	RR2X
Local Seed LS5009XS	5.0	Radius Premium	N/I	RR2X
Local Seed LS5087X	5.0	Radius Premium	N/I	RR2X
Local Seed LS5386X	5.3	Radius Premium	N/I	RR2X
Local Seed LSX3911GL	3.9	Radius Premium	N/I	GT27
Local Seed LSX4612XS	4.6	Radius Premium	N/I	RR2X
Local Seed LSX4711GL	4.7	Radius Premium	N/I	GT27
Local Seed LSX4812XS	4.8	Radius Premium	N/I	RR2X
Local Seed ZS4694E3S	4.6	Radius Premium	N/I	E3
Local Seed ZS5098E3	5.0	Radius Premium	N/I	E3
MCIA MO 4901D	4.9	CruiserMaxx Apron	Unknown	RR1
MCIA Momentum 36C09	3.6	CruiserMaxx Apron	PI88788	Conv
MCIA Momentum 39C09	3.9	CruiserMaxx Apron	PI88788	Conv
MCIA Momentum 46G08	4.6	CruiserMaxx Apron	Unknown	RR1

Characteristics for soybean varieties (continued)

Variety	MG[1]	Seed treatment[2]	SCN Source [3]	Herbicide trait[4]
MCIA Momentum 52C06	5.2	CruiserMaxx Apron	Unknown	Conv
MCIA S14-15138GT/STS	4.8	CruiserMaxx Apron	Unknown	RR1,STS
MCIA SA13-2699C	3.9	CruiserMaxx Apron	PI88788	Conv
MCIA Show Me Soy 3901C	3.9	CruiserMaxx Apron	PI88788	Conv
Midland 3711XS	3.7	Midland EDGE SST	PI88788	RR2X
Midland 3930NXS	3.9	Midland EDGE SST	PI88788	RR2X
Midland 3999E3	3.9	Midland EDGE SST	PI88788	E3
Midland 4031X	4.0	Midland EDGE SST	PI88788	RR2X
Midland 4140NXS	4.1	Midland EDGE SST	PI88788	RR2X
Midland 4251X	4.2	Midland EDGE SST	PI88788	RR2X
Midland 4260E3S	4.2	Midland EDGE SST	PI88788	E3
Midland 4488NXS	4.4	Midland EDGE SST	PI88788	RR2X
Midland 4677NXS	4.6	Midland EDGE SST	PI88788	RR2X
Midland 4850X	4.8	Midland EDGE SST	N/I	RR2X
Midland 4880E3S	4.8	Midland EDGE SST	N/I	E3
Midland 4991XS	4.9	Midland EDGE SST	PI88788	RR2X
Mycogen MY442L5	4.4		PI88788	LL
NK Seeds S35-E3	3.5	CruiserMaxx + Vibrance + Saltro	PI88788	E3
NK Seeds S37-2E3S	3.7	CruiserMaxx + Vibrance + Saltro	PI88788	E3
NK Seeds S39-E3	3.9	CruiserMaxx + Vibrance + Saltro	PI88788	E3
NK Seeds S39-G2X	3.9	CruiserMaxx + Vibrance + Saltro	PI88788	E3
NK Seeds S42-B9XS	4.2	CruiserMaxx + Vibrance + Saltro	PI88788	RR2X
NK Seeds S45-Z5X	4.5	CruiserMaxx + Vibrance + Saltro	PI88788	E3
NK Seeds S46-E3	4.6	CruiserMaxx + Vibrance + Saltro	PI88788	RR2X
NK Seeds S48-2E3	4.8	CruiserMaxx + Vibrance + Saltro	PI88788	RR2X
NK Seeds S49-F5X	4.9	CruiserMaxx + Vibrance + Saltro	PI88788	RR2X
Nutech Seed 30N03E	3.0	Lumisena-Gaucho	PI88788	E3
Nutech Seed 30N05E	3.0	Lumisena-Gaucho	PI88788	E3
Nutech Seed 31N06E	3.1	Lumisena-Gaucho	PI88788	E3
Nutech Seed 34N06E	3.4	Lumisena-Gaucho	PI88788	E3
Nutech Seed 35N03E	3.5	Lumisena-Gaucho	PI88788	E3
Nutech Seed 36N03E	3.6	Lumisena-Gaucho	PI88788	E3
Nutech Seed 39N04E	3.9	Lumisena-Gaucho	PI88788	E3
Nutech Seed 39N05E	3.9	Lumisena-Gaucho	PI88788	E3
Nutech Seed 41N03E	4.1	Lumisena-Gaucho	PI88788	E3
Nutech Seed 43N04E	4.3	Lumisena-Gaucho	PI88788	E3
Nutech Seed 45N04E	4.5	Lumisena-Gaucho	PI88788	E3
Nutech Seed 46N02E	4.6	Lumisena-Gaucho	PI88788	E3
Nutech Seed 48N04E	4.8	Lumisena-Gaucho	PI88788	E3
Nutech Seed 49N03E	4.9	Lumisena-Gaucho	PI88788	E3
Pioneer P33A53X	3.3		N/I	RR2X

Variety	MG[1]	Seed treatment[2]	SCN Source [3]	Herbicide trait[4]
Pioneer P44A37L	4.4		PI88788	RR2X
REV 4311X	4.3	EVERGOL ENERGY	PI88788	RR2X
REV 4679X	4.6	EVERGOL ENERGY	PI88788	RR2X
REV 4927X	4.9	EVERGOL ENERGY	PI88788	RR2X
REV 4940X	4.9	EVERGOL ENERGY	PI88788	RR2X
Stine 36EA02	3.6		Resistant	E3
Stine 39EA02	3.9		Resistant	E3
Stine 41EB32	4.1		Resistant	E3
Stine 41GC02	4.1		Resistant	GT27
Stine 44EB32	4.4		Resistant	E3
Stine 46EB20	4.8		Resistant	E3
Stine 46EB23	4.6		Resistant	E3
University of Arkansas R13-14635RR	5.4	Intego Suite + Aveo EZ	None	Conv
University of Arkansas R16-259	4.6	Intego Suite + Aveo EZ	None	Conv
University of Missouri S15-10879C	4.1	Warden RTA	Unknown	Conv
University of Missouri S16-11644C	4.9	Warden RTA	None	Conv
University of Missouri S16-14730C	4.7	Warden RTA	None	Conv
University of Missouri S16-15170C	5.3	Warden RTA	None	Conv
University of Missouri S16-3747R	5.0	Warden RTA	None	RR2Y
University of Missouri S16-5540R	4.6	Warden RTA	None	RR1
USG 7461XT	4.6	Ipconazole + Metalaxyl + Imidicloprid	PI88788	RR2X
USG 7489XT	4.8	Ipconazole + Metalaxyl + Imidicloprid	PI88788	RR2X
USG 7496XTS	4.9	Ipconazole + Metalaxyl + Imidicloprid	PI88788	RR2X

[1] MG = Maturity group

[2] Seed treatments were applied by seed companies. Purchased seed may have other seed treatments. Please contact seed dealers and seed labels for more information.

[3] Source of soybean cyst nematode resistance

[4] Herb Tech: Herbicide Technology

Conv Conventional, no herbicide traits
E3 Enlist E3™
LL LibertyLink®
GT27 Balance GT + LibertyLink®
RR2X Roundup Ready 2 Xtend
RR2Y Roundup Ready 2 Yield
RR1 Roundup Ready
STS Sulfonylurea tolerance

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