

December 2018

MISSOURI CROP
PERFORMANCE

2018

soybean



Wiebold, Nichols, Knuckles, Wieberg, and Koelling

MU Variety Testing Program

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

2018 MISSOURI SOYBEAN TEST

TABLE OF CONTENTS

PREFACE	2
PROCEDURES.....	3
CROP MANAGEMENT AT TEST LOCATIONS	5
SOIL AND WEATHER INFORMATION FOR TEST LOCATIONS	7
NORTH REGION	
<i>Summary: Maturity Group 3</i>	8
<i>Summary: Maturity Group 4</i>	10
CENTRAL REGION	
<i>Summary: Maturity Group 3</i>	11
<i>Summary: Maturity Group 4</i>	13
SOUTHWEST REGION	
<i>Summary: Maturity Group 4</i>	15
SOUTHEAST REGION	
<i>Peach Orchard: Maturity Group 4</i>	16
<i>Peach Orchard: Maturity Group 5</i>	19
CHARACTERISTICS FOR SOYBEAN VARIETIES.....	20



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), Craig (2), Canton (3), Mooresville (4), Novelty (5)

Central Region

Annada (6), Columbia (7), Henrietta (8), Norborne (9), Truxton (10)

Southwest Region

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

Southeast Region

Bell City (15), Charleston (16), Peach Orchard (17), Portageville (17)



The MU Variety Testing Program depends upon and is highly appreciative of the cooperators that allow it to use their farms. Thank you Steve Cunningham, Ron and Ben Beetsma, Bill Lloyd, John Williams, Kyle Durham, Roy Cope, Bob Burkemper, Bill Cook, Darrel Tenholder, Kurt and Nathan Gretzinger, Wally Norton, Don Deline, Will Hunter, Jason Bean, 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.

At least two “Standard Check” varieties from several major brands are included at each location of each test. The companies have asked that the variety names be kept proprietary. Varieties are identified in the data tables as “Brand Standard #.” These standard varieties were selected and entered by the MU Variety Testing 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

William J. Wiebold, Jarrod Nichols, Carl (Will) Knuckles, Mark Wieberg, and Paul Koelling.

CROP MANAGEMENT AT TEST LOCATIONS

Adrian

Region/Maturity groups: Southwest/4
Cooperator: Darrel Tenholder
Tillage: Minimum tillage
Planting date: May 30
Harvest date: Oct. 30
Herbicides (burndown): Liberty
Herbicides (pre): Fierce XLT
Herbicides (post): Warrant, Ultra Blazer, Select Max, Basagram

Albany

Region/Maturity groups: North/3 & 4
Cooperator: Missouri Ag Experiment Station
Tillage: No-tillage
Planting date: June 4
Harvest date: Oct. 31
Herbicides (pre): Durango, Interline, Sonic
Herbicides (post): Ultra Blazer, Select Max, Basagram

Annada

Region/Maturity groups: Central/3 & 4
Cooperator: Bob Burkemper
Tillage: Conventional
Planting date: May 26
Harvest date: Oct. 19
Herbicides (pre): Fierce XLT
Herbicides (post): Warrant, Ultra Blazer, Select Max

Canton

Region/Maturity groups: North/3 & 4
Cooperator: Bill Lloyd
Tillage: Conventional tillage
Planting date: May 25
Harvest date: Oct. 29
Herbicides (pre): Fierce XLT
Herbicides (post): Ultra Blazer, Basagram, Select Max

Columbia

Region/Maturity groups: Central/3 & 4
Cooperator: Missouri Ag Experiment Station
Tillage: Conventional tillage
Planting date: May 31
Harvest date: Nov. 20
Herbicides (pre): Fierce XLT
Herbicides (post): Ultra Blazer, Basagram, Select Max

Craig

Region/Maturity groups: North/3 & 4
Cooperator: Steve Cunningham
Tillage: Minimum tillage
Planting date: May 2
Harvest date: Oct. 24
Herbicides (pre): Fierce XLT
Herbicides (post): None

Garden City

Region/Maturity groups: Southwest/4
Cooperator: Bill Cook
Tillage: Conventional tillage
Planting date: June 6
Harvest date: Nov. 1
Herbicides (pre): Fierce XLT
Herbicides (post): Warrant, Ultra Blazer, Select Max

Henrietta

Region/Maturity groups: Central/3 & 4
Cooperator: John Williams
Tillage: Minimum
Planting date: June 1
Harvest date: Oct. 23
Herbicides (burndown): Roundup
Herbicides (pre): Fierce XLT
Herbicides (post): Warrant, Ultra Blazer, Select Max

Mooreville

Region/Maturity groups: North/3 & 4
Cooperator: Ron and Ben Beetsma
Tillage: Conventional
Planting date: June 4
Harvest date: Oct. 22
Herbicides (pre): Authority XL, 2,4 D
Herbicides (post): Warrant

Norborne

Region/Maturity groups: Central/3 & 4
Cooperator: Kyle Durham
Tillage: Conventional tillage
Planting date: June 1
Harvest date: Nov. 19
Herbicides (pre): Fierce XLT
Herbicides (post): Ultra Blazer, Basagram, Select Max

Crop Management at Test Locations (continued)

Novelty

Region/Maturity groups: North/3 & 4
Cooperator: Missouri Ag Experiment Station
Tillage: Minimum tillage
Planting date: May 23
Harvest date: Nov. 19
Herbicides (pre): Sonic
Herbicides (post): Stellar, Fusilade DX

Peach Orchard

Region/Maturity groups: Southeast/4 & 5
Cooperator: Jason Bean
Tillage: Conventional tillage
Planting date: June 11
Harvest date: Oct. 23
Herbicides (post): Warrant, Ultra Blazer, Select Max

Truxton

Region/Maturity groups: Central/3 & 4
Cooperator: Roy Cope
Tillage: No-tillage
Planting date: May 29
Harvest date: Oct. 20
Herbicides (burndown): Liberty
Herbicides (pre): Fierce XLT
Herbicides (post): Warrant, Ultra Blazer, Select Max

Urich

Region/Maturity groups: Southwest/4
Cooperator: Nathan and Kurt Gretzinger
Tillage: No-tillage
Planting date: June 6
Harvest date: Oct. 29
Herbicide (burndown): Roundup
Herbicides (pre): Fierce XLT
Herbicides (post): Warrant, Ultra Blazer, Select Max, Basagram

SOIL AND WEATHER INFORMATION FOR TEST LOCATIONS

Location	Soil type	Precipitation (inches)					
		May	June	July	Aug.	Sept.	Season
Adrian	Kenoma silt loam	8.9	2.6	3.3	5.0	1.0	20.8
Albany	Grundy silt loam	2.4	3.6	1.2	7.6	1.6	16.4
Annada	Tice silt loam	3.9	4.5	3.7	6.6	1.5	20.2
Canton	Westerville silt loam	3.4	2.5	4.1	8.0	4.1	22.1
Columbia	Mexico silt loam	3.7	5.1	2.9	4.9	1.3	17.9
Craig	Blencoe silt clay	2.8	4.5	2.3	5.5	4.6	19.7
Garden City	Haig silt loam	5.0	2.3	3.5	3.2	1.9	15.9
Henrietta	Haynie silt loam	2.9	3.2	0.9	4.9	0.9	12.8
Lamar	Parsons silt loam	4.8	2.5	2.4	7.2	2.2	19.1
Mooreville	Grundy silt loam	3.5	2.2	1.5	7.5	1.7	16.4
Norborne	Landes f. sandy loam	2.8	2.4	2.1	5.4	1.0	13.7
Novelty	Putnam silt loam	2.6	2.5	1.1	6.9	2.4	15.5
Peach Orchard	Dundee silty clay loam	4.1	2.2	2.6	6.1	6.9	21.9
Truxton	Mexico silt loam	4.3	6.0	2.0	5.2	1.4	18.9
Urich	Hartwell slit loam	6.4	3.6	3.7	5.0	1.7	20.4

NORTH REGION

Summary — Maturity Group 3

Brand-Variety	Albany (bu/ac)	Canton (bu/ac)	Craig (bu/ac)	Mooreville (bu/ac)	Novelty (bu/ac)	Mean (bu/ac)
Hoegemeyer Hybrids HPT 3679 NX	43.8*	62.6	56.7	54.8	54.5*	54.5**
Hoegemeyer Hybrids HPT LL3722N	42.5*	64.8	56.9	55.3	50.5*	54.0*
MorSoy 3611 RXT	38.1	59.2	64.0**	54.1	54.0*	53.9*
Willcross WX3388N	44.8**	64.0	55.3	49.2	52.3*	53.1*
FS HiSoy 35X80	43.3*	64.5	54.3	50.4	51.4*	52.8*
MorSoy 3858 RXT	39.8	64.8	60.5*	51.2	47.5	52.8*
FS HiSOY 39X70	44.4*	58.6	56.6	53.8	49.6	52.6*
Willcross WX3369N	43.0*	60.0	55.3	52.8	51.3*	52.5*
Pioneer Standard 1#	43.0*	63.9	52.3	54.3	48.3	52.4*
MorSoy 3678 RXT	42.1*	58.4	59.4*	51.2	50.6*	52.3*
Midland 3938NX	44.8**	58.9	53.7	52.8	51.2*	52.3*
MorSoy 3806 RXT	40.7	63.8	53.2	52.0	51.7*	52.3*
FS HiSOY 34X60	41.4*	58.0	53.1	60.1**	48.3	52.2*
Hoblit 384LL	39.1	61.5	57.5	57.0*	45.7	52.2*
Pioneer Standard 2#	36.1	60.4	56.2	51.9	55.7**	52.1*
FS HiSOY 35L42	40.1	63.1	54.9	56.4*	45.5	52.0*
MorSoy 3907 RXT	42.6*	69.6**	49.4	53.4	44.8	52.0*
Dyna-Gro S35XT97	41.6*	56.5	56.0	53.6	51.4*	51.8
Midland 3779NX	40.5	60.8	60.1*	47.3	50.1	51.8
Hoblit 368LL	39.4	64.8	63.2*	49.4	41.8	51.7
NuTech Seed 7387X	39.8	64.8	54.9	52.7	46.1	51.7
Dyna-Gro S37XS89	42.3*	61.6	52.0	52.2	50.0	51.6
Asgrow Standard 4#	36.9	66.9*	57.7	48.8	47.1	51.5
Power Plus 36A1X TM	37.6	62.7	55.3	47.9	53.2*	51.3
Asgrow Standard 3#	42.0*	61.7	48.1	58.6*	46.2	51.3
AgVenture 38U7X	41.5*	65.4*	48.6	51.5	49.5	51.3
MorSoy 3708 RXT	41.8*	56.0	56.5	49.8	51.7*	51.2
AgVenture 38H4R	37.2	56.9	57.7	52.8	50.6*	51.0
Hoegemeyer Hybrids HPT 3916 NX	41.4*	57.8	61.0*	51.5	43.3	51.0
Dyna-Gro S39XT68	43.0*	57.9	57.5	51.1	44.1	50.7
Midland 3537NX	41.5*	58.6	51.8	52.8	48.1	50.6
NuTech Seed 3386L	38.3	67.1*	47.6	51.6	47.3	50.4
FS HiSoy 33X80	39.4	61.6	48.3	53.4	48.9	50.3
AgVenture 35H8LL	44.0*	59.7	52.3	51.8	41.6	49.9
MorSoy 3747 RXT	39.8	58.0	51.0	54.2	45.8	49.8
Hoegemeyer Hybrids HPT LL3813N	37.1	65.8*	50.0	51.8	43.4	49.6
FS HiSOY 37X70	39.1	54.9	53.2	46.8	52.2*	49.2

Brand-Variety	Albany (bu/ac)	Canton (bu/ac)	Craig (bu/ac)	Mooreville (bu/ac)	Novelty (bu/ac)	Mean (bu/ac)
Syngenta NK 35-K9X	36.4	62.9	47.3	53.4	45.6	49.1
MCIA Momentum 38C05	39.7	54.1	54.3	55.5	41.9	49.1
NuTech Seed 3361L	37.1	61.8	45.3	53.9	45.5	48.7
FS HiSOY 38L42	32.4	63.7	49.3	54.9	43.0	48.7
NuTech Seed 7352X	37.0	55.2	54.8	43.7	52.1*	48.6
FS HiSoy 32X80	36.8	58.4	45.7	53.2	44.6	47.7
Syngenta NK 39-P5X	36.6	55.5	47.3	46.5	48.6	46.9
AgVenture 38E8LL	33.9	61.6	38.3	49.9	49.7	46.7
Mean	40.0	61.1	53.5	52.0	48.0	50.9
LSD (10%)	4.0	4.3	6.1	3.8	5.2	2.6
CV (%)	9.5	6.6	10.7	6.9	10.3	8.6

** Highest yielding variety in test

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

Standard varieties were selected and entered by the MU Variety Testing Program

NORTH REGION

Summary — Maturity Group 4

Brand-Variety	Albany (bu/ac)	Canton (bu/ac)	Craig (bu/ac)	Mooreville (bu/ac)	Novelty (bu/ac)	Mean (bu/ac)
MorSoy 4268 RXT	44.9*	62.4	60.8**	51.1*	46.7	53.2**
Burrus 404S	33.4	68.5**	59.8*	48.9*	48.4	51.8*
NuTech Seed 3411L	45.3**	57.1	58.4*	52.9**	44.4	51.6*
Dyna-Gro S41XS98	38.6	58.2	57.6*	49.8*	50.8*	51.0
Pioneer Standard 5#	33.5	65.2*	58.2*	49.5*	46.5	50.9
AgVenture 40U8LL	44.2*	60.8	56.8	48.3	43.6	50.7
MorSoy 4117 RXT	35.4	56.7	54.3	47.1	54.4**	49.6
Hoegemeyer Hybrids HPT LL4344N	39.5	57.1	56.3	51.0*	43.7	49.5
Midland 4488NXS	40.2	63.3	52.3	40.0	48.7	48.9
AgVenture 43M4LL	43.1*	53.9	54.1	44.2	49.0	48.9
Hoegemeyer Hybrids HPT 4211 NX	32.4	52.5	59.4*	51.8*	47.7	48.8
Midland 4328NX	40.8	55.3	54.8	47.2	45.3	48.7
Pioneer Standard 6#	38.0	47.8	57.0	50.7*	48.0	48.0
Asgrow Standard 8#	33.5	56.4	55.4	42.8	51.0*	47.8
Hoblit 418LL	29.6	55.7	57.8*	44.6	50.5	47.6
Asgrow Standard 7#	34.7	53.0	58.4*	48.1	41.5	47.1
NuTech Seed 7410X	38.8	42.7	53.5	51.4*	43.4	46.0
Syngenta NK 42-B9XS	30.5	53.8	51.9	42.1	51.2*	45.9
Hoegemeyer Hybrids HPT LL4117N	29.1	59.5	51.7	42.4	44.7	45.5
AgVenture 41H1LL	28.9	47.0	53.7	42.3	43.8	43.1
Mean	36.7	56.3	56.1	47.3	47.2	48.7
LSD (10%)	3.7	4.3	3.4	4.0	3.6	2.1
CV (%)	9.4	7.1	5.6	7.8	7.1	7.1

** Highest yielding variety in test

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

Standard varieties were selected and entered by the MU Variety Testing Program

CENTRAL REGION

Summary — Maturity Group 3

Brand-Variety	Annada (bu/ac)	Columbia (bu/ac)	Norborne (bu/ac)	Henrietta (bu/ac)	Truxton (bu/ac)	Mean (bu/ac)
MorSoy 3708 RXT	56.3	63.4*	74.4*	67.7	66.7	65.8**
Dyna-Gro S37XS89	55.1	55.5	72.5*	68.0	71.1*	64.4*
LG Seeds C3777RX	54.9	59.1	64.8	70.1*	71.8**	64.1*
FS HiSOY 39X70	63.6**	58.1	64.9	64.1	69.9*	64.1*
NuTech Seed 7352X	61.2*	56.9	69.6*	64.7	65.2	63.5*
Midland 3779NX	52.7	57.4	72.2*	75.2**	60.1	63.5*
Hoegemeyer Hybrids HPT 3679 NX	52.4	56.3	75.9**	68.1	64.4	63.4*
LG Seeds C3985RX	55.2	62.5*	69.5*	60.0	68.8*	63.3*
AgVenture 38H4R	59.7*	56.8	62.3	69.1	67.3*	63.1*
NuTech Seed 7387X	58.2*	52.9	68.1	66.1	70.1*	63.1*
MorSoy 3747 RXT	55.6	63.2*	58.7	69.0	68.2*	62.9
FS HiSOY 37X70	59.5*	57.5	67.1	67.9	60.4	62.6
Hoblit 368LL	58.8*	52.0	67.5	70.8*	62.4	62.4
NuTech Seed 3386L	59.9*	53.9	63.3	68.8	65.5	62.3
Power Plus 36A1X TM	57.6*	52.6	69.6*	68.2	62.8	62.1
AgVenture 38U7X	57.4*	52.7	67.8	66.0	65.9	62.0
Hoegemeyer Hybrids HPT 3916 NX	52.0	54.5	73.3*	64.3	65.0	61.9
Dyna-Gro S39XT68	57.0*	58.9	63.1	58.2	71.3*	61.7
FS HiSoy 33X80	60.2*	48.0	65.9	69.1	65.4	61.7
Asgrow Standard 3#	57.0*	58.5	63.5	63.1	65.3	61.5
Hoblit 384LL	60.9*	55.8	65.8	63.3	59.2	61.0
FS HiSOY 34X60	58.9*	58.4	63.4	63.9	59.8	60.9
MorSoy 3858 RXT	53.2	62.2*	59.0	62.1	67.4*	60.7
MorSoy 3806 RXT	52.5	60.2*	56.9	65.1	68.2*	60.6
FS HiSOY 35L42	60.0*	51.0	65.7	67.1	58.6	60.5
MorSoy 3907 RXT	56.1	58.1	52.3	66.0	69.0*	60.3
NuTech Seed 3361L	61.4*	50.2	57.3	67.7	64.4	60.2
FS HiSoy 35X80	58.0*	57.1	60.8	63.9	59.9	59.9
Asgrow Standard 4#	49.6	56.5	63.7	60.6	68.7*	59.8
AgVenture 38E8LL	58.7*	53.6	60.3	65.0	61.1	59.7
MFS MO EXP SA13-1363	54.9	64.3**	61.0	58.7	59.8	59.7
MFS MO EXP SA13-1310	53.0	60.0*	54.9	59.2	71.5*	59.7
FS HiSOY 38L42	57.4*	46.4	68.8	63.8	59.4	59.1
Pioneer Standard 2#	56.9*	59.5	58.7	58.1	62.7	59.1
Midland 3938NX	51.0	51.2	64.1	65.8	58.2	58.1
Hoegemeyer Hybrids HPT LL3813N	52.4	49.1	60.3	70.4*	56.9	57.8
Pioneer Standard 1#	58.6*	47.8	58.9	61.2	61.3	57.6
Syngenta NK 39-P5X	53.6	55.0	57.6	57.4	63.3	57.4

Brand-Variety	Annada (bu/ac)	Columbia (bu/ac)	Norborne (bu/ac)	Henrietta (bu/ac)	Truxton (bu/ac)	Mean (bu/ac)
Hoegemeyer Hybrids HPT LL3722N	51.8	54.4	59.0	51.6	69.3*	57.2
MCIA Momentum 38C05	45.0	56.4	48.6	45.4	64.1	51.9
Mean	56.2	55.9	63.6	64.4	64.6	60.9
LSD (10%)	6.7	4.3	6.7	5.2	4.7	2.8
CV (%)	4.0	7.2	10.0	7.7	6.7	7.8

** Highest yielding variety in test

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

Standard varieties were selected and entered by the MU Variety Testing Program

CENTRAL REGION

Summary — Maturity Group 4

Brand-Variety	Annada (bu/ac)	Columbia (bu/ac)	Norborne (bu/ac)	Henrietta (bu/ac)	Truxton (bu/ac)	Mean (bu/ac)
Hoegemeyer Hybrids HPT LL4344N	64.7**	59.1	77.4**	73.0**	67.9*	68.4**
Go Soy 48C17S	61.5*	66.6**	56.5	68.6*	68.6*	64.4*
Burrus 404S	61.4*	66.5*	63.1	61.6	67.7*	64.1*
AgVenture 43U2X	63.9*	58.9	69.4	65.7	60.9	63.8*
Pioneer Standard 5#	58.9	62.4*	61.7	68.1*	66.5*	63.5*
MorSoy 4426 RXT	58.8	59.2	70.9*	62.5	66.1	63.5*
Hoblit 418LL	59.9	55.1	68.5	65.5	66.7*	63.1
MorSoy 4268 RXT	61.1*	63.2*	57.7	61.1	71.0**	62.8
FS HiSOY 41X70	64.2*	63.9*	55.8	62.9	66.5*	62.7
Go Soy E4993	63.7*	61.7	60.7	61.0	65.4	62.5
NuTech Seed 7450X	61.6*	58.5	75.9*	52.4	62.5	62.2
FS HiSOY 41L42	56.1	55.0	64.8	70.2*	64.0	62.0
Asgrow Standard 8#	60.7*	53.8	68.5	59.9	63.1	61.2
Midland 4328NX	52.4	62.6*	58.9	64.3	66.6*	61.0
Dyna-Gro S41XS98	53.7	61.3	59.2	61.0	69.4*	60.9
AgVenture 40U8LL	49.6	58.2	63.7	64.7	67.7*	60.8
Dyna-Gro S43XS27	57.6	60.0	65.9	54.4	65.4	60.7
Pioneer Standard 6#	54.5	64.3*	63.0	57.5	63.9	60.6
Syngenta NK 43-V3X	57.1	57.9	60.4	59.9	66.3*	60.3
Midland 4488NXS	57.9	59.0	62.8	60.0	61.8	60.3
AgVenture 45W7R	55.9	51.4	70.9*	59.6	63.3	60.2
Hoegemeyer Hybrids HPT LL4117N	54.3	54.2	68.7	62.0	61.6	60.2
Midland 4677NXS	58.1	50.3	74.3*	57.8	59.9	60.1
NuTech Seed 3411L	50.5	57.9	65.4	58.8	65.4	59.6
AgVenture 43M4LL	48.1	60.2	69.6	53.9	65.3	59.4
LG Seeds C4227RX	57.7	52.8	59.4	61.4	65.8	59.4
Syngenta NK 42-B9XS	55.0	49.5	65.5	65.6	60.7	59.3
AgVenture 47W3LL	52.8	54.5	71.8*	57.7	58.6	59.1
AgVenture 41H1LL	56.6	51.7	62.3	60.2	63.5	58.9
FS HiSOY 42L70	55.5	55.1	51.5	61.5	62.3	57.2
AGS GS48X18	45.3	61.5	61.8	61.3	55.8	57.1
Hoegemeyer Hybrids HPT 4211 NX	49.9	56.8	62.0	57.6	59.1	57.1
MFS MOEXP S14-15146GT	48.8	55.2	57.3	60.7	62.8	57.0
AgVenture 44U4LL	54.3	57.0	56.9	57.5	56.3	56.4
NuTech Seed 7410X	54.2	57.2	57.5	49.7	63.2	56.3
Asgrow Standard 7#	48.1	61.5	60.2	48.4	62.4	56.1
Go Soy E4510S	60.4*	49.3	58.9	53.2	58.4	56.0
MorSoy 4117 RXT	53.5	51.9	50.8	51.9	63.2	54.3
Go Soy 43C17S	51.8	55.0	53.1	53.4	56.4	54.0

Summary — Maturity Group 4 Central Region (continued)

Brand-Variety	Annada (bu/ac)	Columbia (bu/ac)	Norborne (bu/ac)	Henrietta (bu/ac)	Truxton (bu/ac)	Mean (bu/ac)
AGS GS46X17	40.8	55.5	51.1	55.4	60.1	52.6
Grow Smarter 4916GT	57.3	57.7	53.7	41.3	48.1	51.6
Mean	56.0	57.9	62.2	59.8	63.2	59.9
LSD (10%)	4.6	4.7	7.2	5.0	4.8	4.9
CV (%)	7.8	7.7	10.8	8.0	7.1	8.2

** Highest yielding variety in test

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

Standard varieties were selected and entered by the MU Variety Testing Program

SOUTHWEST REGION

Summary — Maturity Group 4

Brand-Variety	Adrian (bu/ac)	Garden City (bu/ac)	Urich (bu/ac)	Mean (bu/ac)
Pioneer Standard 5#	63.0*	62.4*	54.5*	60.0**
Midland 4488NXS	58.3	62.7**	53.4	58.1*
LG Seeds C4845RX	63.2**	55.9	52.6	57.2*
MorSoy 4667 RXT	58.4	55.8	55.2*	56.5*
Midland 4328NX	50.4	58.0	56.8**	55.7*
LG Seeds LGS4624RX	56.9	54.0	54.5*	55.1*
Dyna-Gro S48XS78	52.4	58.3	52.4	54.4*
Willcross WX3487NS	57.1	55.7	49.7	54.2*
MorSoy 4846 RXT	51.9	55.2	54.6*	53.9
Dyna-Gro S43XS27	57.2	53.0	51.1	53.8
MorSoy 4426 RXT	53.5	53.4	53.1	53.3
Willcross WX3467NS	55.7	51.0	52.7	53.1
MorSoy 4616 RXT	52.3	55.3	50.2	52.6
Midland 4956NXS	51.5	55.7	50.0	52.4
MCIA Momentum 49G06	52.8	50.2	53.7*	52.2
MorSoy 4706 RXT	49.9	53.0	50.4	51.1
Midland 4677NXS	45.0	54.3	51.4	50.2
LG Seeds LGS4989RX	48.8	49.5	51.9	50.1
MorSoy 5050 RXT	49.4	51.3	49.2	50.0
Dyna-Gro S46XS87	47.0	53.0	49.2	49.7
Asgrow Standard 8#	45.9	53.7	48.2	49.3
MorSoy 4908 RXT	46.8	54.7	46.0	49.2
MCIA MO4901D GT	50.5	42.3	50.4	47.7
MCIA Momentum 51G06	46.7	43.7	50.7	47.0
MFS MO EXP S14-15146GT	31.0	48.0	47.9	42.3
Mean	51.8	53.6	51.7	52.4
LSD (10%)	4.6	3.4	3.3	5.1
CV (%)	8.3	6.0	6.0	6.5

** Highest yielding variety in test

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

Standard varieties were selected and entered by the MU Variety Testing Program

SOUTHEAST REGION

Peach Orchard — Maturity Group 4

Brand-Variety	Yield (bu/ac)	Maturity (group)	Lodging~ (1-5)	Height (inches)
MorSoy 4667 RXT	72.7**	4.6	1	38
MorSoy 4426 RXT	67.4*	4.4	1	37
Hefty H45L3	65.6*	4.5	1	38
MorSoy 4908 RXT	65.5*	4.9	1	30
Dyna-Gro S48XS78	64.9	4.8	1	34
Hefty H46X6	64.3	4.6	1	33
Terral Seed 4927X	64.3	4.9	1	34
AGS GS48X18	63.6	4.8	1	31
Armor 45-D43	60.9	4.3	1	34
MorSoy 4535 RXT	60.7	4.5	1	34
Delta Grow DG47X65 RRX	60.6	4.7	1	37
USG 7489XT	59.4	4.8	1	36
Asgrow Standard 8#	59.3	4.7	1	32
Delta Grow DG46X25 RRX	59.2	4.6	1	35
Armor 49-D31	58.8	4.9	1	35
Armor 42-D27	58.5	4.2	1	37
Dyna-Gro S43XS27	58.4	4.3	1	36
Terral Seed 4679X	58.3	4.6	1	38
Agrigold G4995RX	58.1	4.9	1	38
Hefty H43X9S	57.2	4.3	1	30
MorSoy 4706 RXT	57.2	4.7	1	37
Pioneer Standard 6#	56.9	4.2	1	36
FS HiSOY 48X70	56.6	4.8	1	37
Dyna-Gro S48XT56	56.3	4.8	1	35
Go Soy E4993	56.1	4.9	1	32
MFS MO EXP S14-15146GT	56.0	4.6	1	37
LG Seeds LGS4624RX	55.9	4.6	1	39
LG Seeds C4845RX	55.6	4.8	1	34
USG 7487XTS	55.6	4.8	1	33
Terral Seed 4857X	55.4	4.8	1	37
AgriGold G4685RX	55.3	4.6	1	31
Agrigold G4605RX	55.1	4.6	1	37
AgriGold G4440RX	53.8	4.4	1	40
USG 7496XTS	53.8	4.9	1	34
FS HiSoy 46X60	53.7	4.6	1	40
USG 7447XTS	53.5	4.4	1	37
Go Soy E4510S	53.4	4.5	1	38
Pioneer Standard 5#	53.4	4.8	1	36
Armor 45-D50	53.1	4.5	1	36
Syngenta NK 45-K5X	52.2	4.5	1	42

Brand-Variety	Yield (bu/ac)	Maturity (group)	Lodging~ (1-5)	Height (inches)
Credenz CZ 4820 LL	51.9	4.8	1	31
MorSoy 4616 RXT	51.5	4.6	1	36
Dyna-Gro S49XS76	51.4	4.9	1	31
LG Seeds LGS4989RX	51.1	4.9	1	34
Armor 47-D22	51.0	4.7	1	37
Asgrow Standard 7#	50.3	4.0	1	27
Hefty H48X7	50.2	4.8	1	36
Grow Smarter 4916GT	49.5	4.9	1	32
Credenz CZ 4918 LL	48.8	4.9	1	35
MCIA Momentum 49G06	48.3	4.9	1	38
Hefty H40X8S	48.1	4.0	1	38
MorSoy 4846 RXT	48.1	4.8	1	36
Agrigold G4579RX	48.0	4.5	1	40
FS HiSOY 41X70	47.9	4.1	1	30
Go Soy 48C17S	47.7	4.8	1	34
Credenz CZ 4748 LL	47.6	4.7	1	35
Armor X46D63	46.7	4.6	1	32
Syngenta NK 43-V3X	46.4	4.3	1	37
FS HiSOY 43X60	46.2	4.3	1	36
Armor X44D36	45.5	4.4	1	30
Hefty H49X7S	44.8	4.9	1	35
Dyna-Gro S49XT39	44.0	4.9	1	30
Delta Grow DG4587 LL/STS	43.9	4.5	1	36
Credenz CZ 4548 LL	43.2	4.5	1	35
Credenz CZ 4649 LL	43.2	4.6	1	35
Dyna-Gro S45XS37	43.0	4.5	1	39
AGS GS46X17	42.8	4.6	1	32
Delta Grow DG48X45 RRX	41.8	4.8	1	32
Go Soy Ireane	39.6	4.9	1	34
FS HiSOY 42L70	39.2	4.2	1	30
Delta Grow DG4977 LL/STS	39.1	4.9	1	34
University of Missouri S13-2743C	36.3	4.1	1	31
MCIA MO4901D GT	35.7	4.9	1	43
MCIA Momentum 51G06	35.5	5.1	1	40
University of Missouri S14-9051R	33.1	4.7	1	34
Go Soy 43C17S	32.7	4.3	1	30
University of Missouri S13-10590C	32.3	4.3	1	38
University of Missouri S13-10592C	29.3	4.5	1	31
Credenz CZ 4938 LL	28.4	4.9	1	29

Peach Orchard — Maturity Group 4 Southeast Region (continued)

Brand-Variety	Yield (bu/ac)	Maturity (group)	Lodging~ (1-5)	Height (inches)
Mean	51.1		1	35
LSD (10%)	6.9			
CV (%)	12.8			

** Highest yielding variety in test

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

~ Lodging rated on a 1 to 5 scale, where 1 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

Standard varieties were selected and entered by the MU Variety Testing Program

SOUTHEAST REGION

Peach Orchard — Maturity Group 5

Brand-Variety	Yield (bu/ac)	Maturity (group)	Lodging~ (1-5)	Height (inches)
AGS GS51X17S	64.8**	5.1	1	30
Armor 49-D13	63.8*	5.0	1	33
Agrigold G5288RX	60.4*	5.2	1	34
Grow Smarter 5116GT	59.8*	5.1	1	36
Hefty H51X8S	57.9*	5.1	1	32
AgriGold G5000RX	52.9	5.0	1	26
MorSoy 5050 RXT	52.6	5.0	1	30
Credenz CZ 5328 LL	49.9	5.3	1	35
Credenz CZ 5147 LL	47.7	5.1	1	38
Credenz CZ 5150 LL	47.1	5.1	1	34
Credenz CZ 5445 LL	45.2	5.4	1	39
Go Soy 51C17	43.4	5.1	1	35
MCIA Momentum 52C06	41.7	5.2	1	36
Go Soy Leland	37.4	5.0	1	30
Mean	53.3		1	33
LSD (10%)	9.4			
CV (%)	12.9			

** Highest yielding variety in test

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

~ Lodging rated on a 1 to 5 scale, where 1 = less than 20% plants lodged, 3 = all plants leaning moderately or 40% to 60% lodged, and 5 = 80% or more plants lodged.

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		
				GLY	GLU	DIC
Agrigold G4440RX	4.4	Agrishield F + I	PI88788	Y	N	Y
Agrigold G4579RX	4.5	Agrishield F + I	PI88788	Y	N	Y
Agrigold G4605RX	4.6	Agrishield F + I	PI88788	Y	N	Y
Agrigold G4685RX	4.6	Agrishield F + I	PI88788	Y	N	Y
Agrigold G4995RX	4.9	Agrishield F + I	PI88788	Y	N	Y
Agrigold G5000RX	5.0	Agrishield F + I	PI88788	Y	N	Y
Agrigold G5288RX	5.2	Agrishield F + I	PI88788	Y	N	Y
AGS GS46X17	4.6	Cruiser Maxx + Vibrance	PI88788	Y	N	Y
AGS GS48X18	4.8	Cruiser Maxx + Vibrance	PI88788	Y	N	Y
AGS GS51X17S	5.1	Cruiser Maxx + Vibrance	PI88788	Y	N	Y
AgVenture 35H8LL	3.5	N/I	N/I	N/I	N/I	N/I
AgVenture 38E8LL	3.8	N/I	N/I	N/I	N/I	N/I
AgVenture 38H4R	3.8	N/I	N/I	N/I	N/I	N/I
AgVenture 38U7X	3.8	N/I	N/I	N/I	N/I	N/I
AgVenture 40U8LL	4.0	N/I	N/I	N/I	N/I	N/I
AgVenture 41H1LL	4.1	N/I	N/I	N/I	N/I	N/I
AgVenture 43M4LL	4.3	N/I	N/I	N/I	N/I	N/I
AgVenture 43U2X	4.3	N/I	N/I	N/I	N/I	N/I
AgVenture 44U4LL	4.4	N/I	N/I	N/I	N/I	N/I
AgVenture 45W7R	4.5	N/I	N/I	N/I	N/I	N/I
AgVenture 47W3LL	4.7	N/I	N/I	N/I	N/I	N/I
Armor 42-D27	4.2	Defend Extra	N/I	Y	N	Y
Armor 45-D43	4.3	Defend Extra	N/I	Y	N	Y
Armor X44D36	4.4	Defend Extra	N/I	Y	N	Y
Armor 45-D50	4.5	Defend Extra	N/I	Y	N	Y
Armor X46D63	4.6	Defend Extra	N/I	Y	N	Y
Armor 47-D22	4.7	Defend Extra	N/I	Y	N	Y
Armor 49-D31	4.9	Defend Extra	N/I	Y	N	Y
Armor 49-D13	5.0	Defend Extra	N/I	Y	N	Y
Burrus 404S	4.0	PowerShield-SDS	PI88788	Y	Y	N
Credenz CZ 4548 LL	4.5	Poncho + Votivo + Ileva	N/I	N	Y	N
Credenz CZ 4649 LL	4.6	Poncho + Votivo + Ileva	N/I	N	Y	N
Credenz CZ 4748 LL	4.7	Poncho + Votivo + Ileva	N/I	N	Y	N
Credenz CZ 4820 LL	4.8	Poncho + Votivo + Ileva	N/I	N	Y	N
Credenz CZ 4918 LL	4.9	Poncho + Votivo + Ileva	N/I	N	Y	N
Credenz CZ 4938 LL	4.9	Poncho + Votivo + Ileva	N/I	N	Y	N
Credenz CZ 5147 LL	5.1	Poncho + Votivo + Ileva	N/I	N	Y	N
Credenz CZ 5150 LL	5.1	Poncho + Votivo + Ileva	N/I	N	Y	N

Variety	MG ¹	Seed treatment ²	SCN Source ³	Herbicide trait ⁴		
				GLY	GLU	DIC
Credenz CZ 5328 LL	5.3	Poncho + Votivo + Ileva	N/I	N	Y	N
Credenz CZ 5445 LL	5.4	Poncho + Votivo + Ileva	N/I	N	Y	N
Delta Grow DG4587 LL/STS	4.5	Cruiser Maxx	PI88788	N	Y	N
Delta Grow DG46X25 RRX	4.6	Cruiser Maxx	PI88788	Y	N	Y
Delta Grow DG47X65 RRX	4.7	Cruiser Maxx	PI88788	Y	N	Y
Delta Grow DG48X45 RRX	4.8	Cruiser Maxx	PI88788	Y	N	Y
Delta Grow DG4977 LL/STS	4.9	Cruiser Maxx	PI88788	N	Y	N
Dyna-Gro S35XT97	3.5	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S37XS89	3.7	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S39XT68	3.9	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S41XS98	4.1	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S43XS27	4.3	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S45XS37	4.5	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S46XS87	4.6	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S48XS78	4.8	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S48XT56	4.8	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S49XS76	4.9	Equity VIP	PI88788	Y	N	Y
Dyna-Gro S49XT39	4.9	Equity VIP	N/I	Y	N	Y
FS HiSoy 32X80	3.2	Accelaron I + F + Ileva	PI88788	Y	N	Y
FS HiSoy 33X80	3.3	Accelaron I + F + Ileva	PI88788	Y	N	Y
FS HiSoy 34X60	3.4	Accelaron I + F + Ileva	PI88788	Y	N	Y
FS HiSoy 35L42	3.5	Accelaron I + F + Ileva	PI88788	N	Y	N
FS HiSoy 35X80	3.5	Accelaron I + F + Ileva	PI88788	Y	N	Y
FS HiSoy 37X70	3.7	Accelaron I + F + Ileva	PI88788	Y	N	Y
FS HiSoy 38L42	3.8	Accelaron I + F + Ileva	PI88788	N	Y	N
FS HiSoy 39X70	3.9	Accelaron I + F + Ileva	PI88788	Y	N	Y
FS HiSoy 41L42	4.1	Accelaron I + F + Ileva	PI88788	N	Y	N
FS HiSoy 41X70	4.1	Accelaron I + F + Ileva	PI88788	Y	N	Y
FS HiSoy 42L70	4.2	Accelaron I + F + Ileva	PI88788	N	Y	N
FS HiSoy 43X60	4.3	Accelaron I + F + Ileva	PI88788	Y	N	Y
FS HiSoy 46X60	4.6	Accelaron I + F + Ileva	PI88788	Y	N	Y
FS HiSoy 48X70	4.8	Accelaron I + F + Ileva	PI88788	Y	N	Y
Go Soy 43C17S	4.3	Cruiser Maxx + Vibrance	PI88788	N	N	N
Go Soy 48C17S	4.8	Cruiser Maxx + Vibrance	PI88788	N	N	N
Go Soy 51C17	5.1	Cruiser Maxx + Vibrance	PI88788	N	N	N
Go Soy E4510S	4.5	Cruiser Maxx + Vibrance	PI88788	N	N	N
Go Soy E4993	4.9	Cruiser Maxx + Vibrance	PI88788	N	N	N
Go Soy Ireane	4.9	Cruiser Maxx + Vibrance	Peking	N	N	N
Go Soy Leland	5.0	Cruiser Maxx + Vibrance	Hartwig	N	N	N
Grow Smarter 4916GT	4.9	Cruiser Maxx + Vibrance	Hartwig	N	Y	N
Grow Smarter 5116GT	5.1	Cruiser Maxx + Vibrance	PI88788	N	Y	N
Hefty H40X8S	4.0	Dominance II	N/I	Y	N	Y
Hefty H43X9S	4.3	Dominance II	N/I	Y	N	Y

Characteristics for soybean varieties (continued)

Variety	MG ¹	Seed treatment ²	SCN Source ³	Herbicide trait ⁴		
				GLY	GLU	DIC
Hefty H45L3	4.5	Dominance II	N/I	N	Y	N
Hefty H46X6	4.6	Dominance II	N/I	Y	N	Y
Hefty H48X7	4.8	Dominance II	N/I	Y	N	Y
Hefty H49X7S	4.9	Dominance II	N/I	Y	N	Y
Hefty H51X8S	5.1	Dominance II	N/I	Y	N	Y
Hoblit 368LL	3.6	PowerShield-SDS	PI88788	N	Y	N
Hoblit 384LL	3.8	PowerShield-SDS	PI88788	N	Y	N
Hoblit 418LL	4.1	PowerShield-SDS	PI88788	N	Y	N
Hoegemeyer Hybrids HPT 3679 NX	3.6	Gaucha + Lumisena + Evergol + PA2030	PI88788	Y	N	Y
Hoegemeyer Hybrids HPT 3916 NX	3.9	Gaucha + Lumisena + Evergol + PA2030	PI88788	Y	N	Y
Hoegemeyer Hybrids HPT 4211 NX	4.2	Gaucha + Lumisena + Evergol + PA2030	PI88788	Y	N	Y
Hoegemeyer Hybrids HPT LL3722N	3.7	Gaucha + Lumisena + Evergol + PA2030 + Ileva	PI88788	N	Y	N
Hoegemeyer Hybrids HPT LL3813N	3.8	Gaucha + Lumisena + Evergol + PA2030	PI88788	N	Y	N
Hoegemeyer Hybrids HPT LL4117N	4.1	Gaucha + Lumisena + Evergol + PA2030	PI88788	N	Y	N
Hoegemeyer Hybrids HPT LL4344N	4.3	Gaucha + Lumisena + Evergol + PA2030 + Ileva	PI88788	N	Y	N
LG Seeds C3777RX	3.7	Agrishield	PI88788	Y	N	Y
LG Seeds C3985RX	3.9	Agrishield	PI88788	Y	N	Y
LG Seeds C4227RX	4.2	Agrishield	PI88788	Y	N	Y
LG Seeds C4845RX	4.8	Agrishield	PI88788	Y	N	Y
LG Seeds LGS4624RX	4.6	Agrishield	PI88788	Y	N	Y
LG Seeds LGS4989RX	4.9	Agrishield	PI88788	Y	N	Y
MCIA MO4901D GT	4.9	Cruiser + Apron XL + Maxim + Ileva + Vibrance	N/I	Y	N	N
MCIA Momentum 38C05	3.8	Cruiser + Apron XL + Maxim + Ileva + Vibrance	N/I	N	N	N
MCIA Momentum 49G06	4.9	Cruiser + Apron XL + Maxim + Ileva + Vibrance	N/I	Y	N	N
MCIA Momentum 51G06	5.1	Cruiser + Apron XL + Maxim + Ileva + Vibrance	N/I	Y	N	N
MCIA Momentum 52C06	5.2	Cruiser + Apron XL + Maxim + Ileva + Vibrance	N/I	N	N	N
MFS MO EXP S14-15146GT	4.6	Cruiser + Apron XL + Maxim + Ileva + Vibrance	N/I	Y	N	N
MFS MO EXP SA13-1310	3.8	Cruiser + Apron XL + Maxim + Ileva + Vibrance	PI88788	N	N	N
MFS MO EXP SA13-1363	3.7	Cruiser + Apron XL + Maxim + Ileva + Vibrance	PI88788	N	N	N
Midland 3537NX	3.5	Midland Edge	PI88788	Y	N	Y

Variety	MG ¹	Seed treatment ²	SCN Source ³	Herbicide trait ⁴		
				GLY	GLU	DIC
Midland 3779NX	3.7	Midland Edge	PI88788	Y	N	Y
Midland 3938NX	3.9	Midland Edge	PI88788	Y	N	Y
Midland 4328NX	4.3	Midland Edge	PI88788	Y	N	Y
Midland 4488NXS	4.4	Midland Edge	PI88788	Y	N	Y
Midland 4677NXS	4.6	Midland Edge	PI88788	Y	N	Y
Midland 4956NXS	4.8	Midland Edge	PI88788	Y	N	Y
MorSoy 3611 RXT	3.6	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 3678 RXT	3.6	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 3708 RXT	3.7	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 3747 RXT	3.7	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 3806 RXT	3.8	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 3858 RXT	3.8	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 3907 RXT	3.9	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 4117 RXT	4.1	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 4268 RXT	4.2	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 4426 RXT	4.4	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 4535 RXT	4.5	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 4616 RXT	4.6	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 4667 RXT	4.6	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 4706 RXT	4.7	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 4846 RXT	4.8	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 4908 RXT	4.9	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
MorSoy 5050 RXT	5.0	Cruiser Maxx + Vibrance + Ileva	PI88788	Y	N	Y
NuTech Seed 3361L	3.6	SmartCote Supreme	PI88788	N	Y	N
NuTech Seed 3386L	3.8	SmartCote Supreme	PI88788	N	Y	N
NuTech Seed 3411L	4.1	SmartCote Supreme	PI88788	N	Y	N
NuTech Seed 7352X	3.5	SmartCote Supreme	PI88788	Y	N	Y
NuTech Seed 7387X	3.8	SmartCote Supreme	PI88788	Y	N	Y
NuTech Seed 7410X	4.1	SmartCote Supreme	PI88788	Y	N	Y
NuTech Seed 7450X	4.5	SmartCote Supreme	PI88788	Y	N	Y
Power Plus 36A1X TM	3.6	PowerShield-SDS	PI88788	Y	N	Y
Syngenta NK 35-K9X	3.5	Clariva Complete + Mertec	PI88788	Y	N	Y
Syngenta NK 39-P5X	3.9	Clariva Complete + Mertec	PI88788	Y	N	Y
Syngenta NK 42-B9XS	4.2	Clariva Complete + Mertec	PI88788	Y	N	Y
Syngenta NK 43-V3X	4.3	Clariva Complete + Mertec	PI88788	Y	N	Y
Syngenta NK 45-K5X	4.5	Clariva Complete + Mertec	PI88788	Y	N	Y
Terral Seed 4679X	4.6	Apron + Evergol Energy + Gaucho + PPST2030	N/I	Y	N	Y
Terral Seed 4857X	4.8	Apron + Evergol Energy + Gaucho + PPST2030	N/I	Y	N	Y
Terral Seed 4927X	4.9	Apron + Evergol Energy + Gaucho + PPST2030	N/I	Y	N	Y
UM S13-10590C	4.3	Cruiser + Apron XL	PI88788	N	N	N
UM S13-10592C	4.5	Cruiser + Apron XL	PI88788	N	N	N

Characteristics for soybean varieties (continued)

Variety	MG ¹	Seed treatment ²	SCN Source ³	Herbicide trait ⁴		
				GLY	GLU	DIC
UM S13-2743C	4.1	Cruiser + Apron XL	PI88788	N	N	N
UM S14-9051R	4.7	Cruiser + Apron XL	PI88788	Y	N	N
USG 7447XTS	4.4	N/I	PI88788	Y	N	Y
USG 7487XTS	4.8	N/I	PI88788	Y	N	Y
USG 7489XT	4.8	N/I	PI88788	Y	N	Y
USG 7496XTS	4.9	N/I	PI88788	Y	N	Y
Willcross WX3369N	3.6	Cruiser Maxx	N/I	Y	N	Y
Willcross WX3388N	3.8	Cruiser Maxx	N/I	Y	N	Y
Willcross WX3467NS	4.6	Cruiser Maxx	N/I	Y	N	Y
Willcross WX3487NS	4.8	Cruiser Maxx	N/I	Y	N	Y

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 of soybean cyst nematode resistance

⁴ Several traits confer herbicide resistance to soybean varieties. “Y” in the “GLY” column means the variety possesses the glyphosate resistance trait. “Y” in the “GLU” column means the variety possesses the glufosinate resistance trait. “Y” in the “DIC” column means the variety possesses the dicamba resistance trait.

University of Missouri
Columbia, MO 65211



University of Missouri
an equal opportunity/ADA Institution