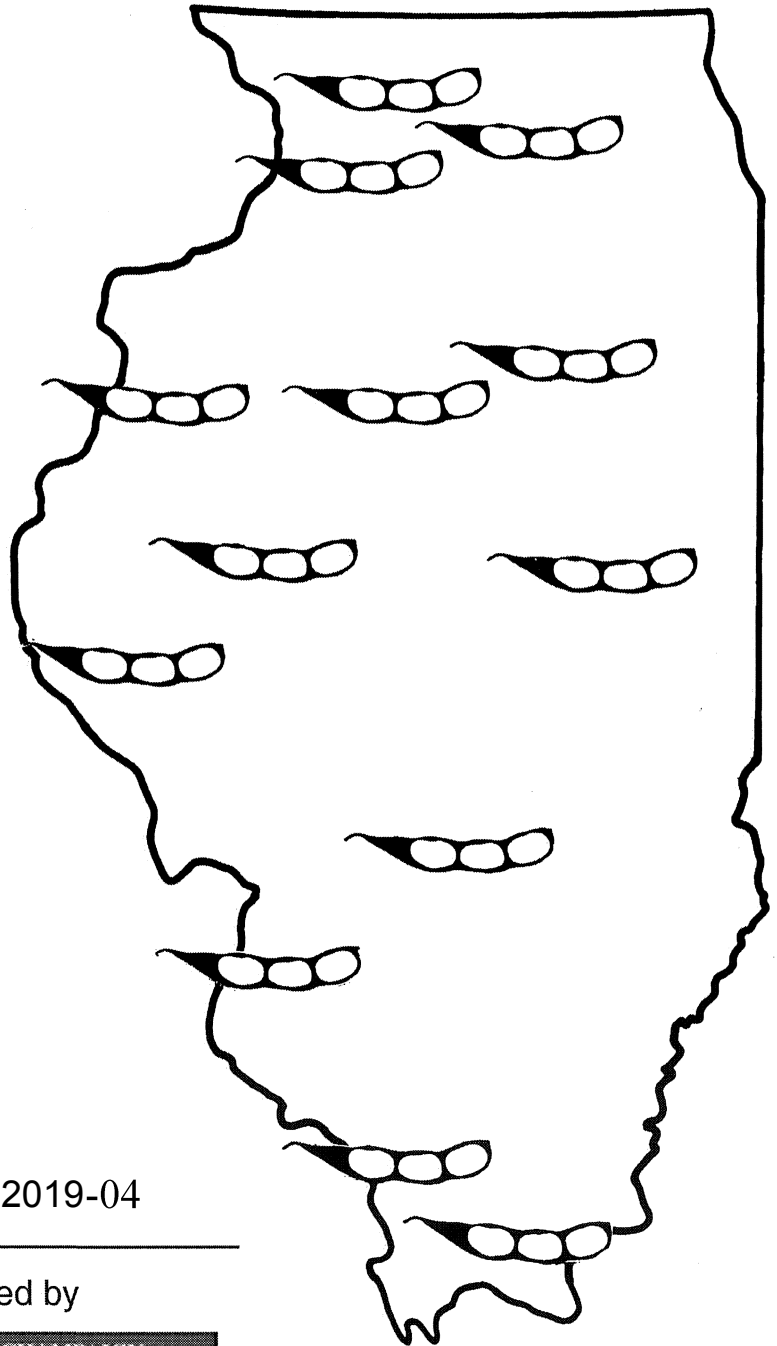

Soybean Variety Test Results in Illinois- 2019



Crop Sciences Special Report 2019-04

Performance Information Provided by

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	
Department of Crop Sciences	
http://vt.cropsci.illinois.edu	
	College of Agricultural, Consumer and Environmental Sciences

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Please visit our website for additional copies of these results

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This circular was prepared by D. K. Joos, Principle Research Specialist.
Phone: 217-333-1194, e-mail: joos@illinois.edu.

Performance of Commercial Soybeans in Illinois

THE UNIVERSITY OF ILLINOIS commercial soybean testing program was started in 1969 as a result of requests by seedsmen that their private varieties be tested. The 2019 trial was made up of 236 varieties consisting of 6 liberty only resistant, 20 roundup and liberty resistant 35 conventional 36 enlist and 134 roundup, dicamba resistant varieties from 26 seed companies.

The purpose of this commercial soybean testing program is to provide unbiased, objective, and accurate testing of all varieties entered. The tests are conducted on as uniform a soil as is available in the testing area. Small plots are used to reduce the chance of soil and climatic variations occurring between one variety plot and another.

The results of these tests should help you judge the merits of varieties in comparison with other private and public varieties. Because your soils and management may differ from those of the test location, you may wish to plant variety strips of the higher-performing varieties on your farm. The results printed in this circular should help you decide which varieties to try.

TEST PROGRAM

Selection of entries. Seed companies in Illinois and surrounding states were invited to enter soybean varieties, brands, or blends in the 2019 Illinois soybean performance trials. Entrants were required to enter all non-irrigated, 30-inch-row-width trials on a regional basis. To finance the testing program, a fee of \$90 per location was charged for each variety entered by the seed company. Most of these varieties, brands, or blends are commercially available, but some experimental varieties were also entered.

Number and location of tests. In 2019, tests were conducted at 13 locations in the state. These sites represent the major soil and maturity zones of the state.

Non-irrigated, 30-inch-row-width trials conventional, liberty resistant and roundup resistant, were conducted on a regional basis. The regions are as follows:

- Region 1. Fenton, Mt. Morris and DeKalb
- Region 2. Monmouth, Goodfield & Dwight
- Region 3. Quincy, New Berlin and Urbana
- Region 4. St. Peter and Belleville
- Region 5. Elkhville and Harrisburg

Field plot design. Entries of each test were replicated three times in a randomized complete block or alpha lattice design. The 30-inch-row trial plots consisted of four rows, each 21 feet long. The center two rows of each plot were harvested to measure yield.

Fertility and weed control. All test locations were at a high level of fertility. Herbicides were used when necessary for weed control. Weed control for all locations consisted of a pre-emergence foundation herbicide followed by trial specific post-emergence application of Roundup, Liberty or conventional herbicide application. Plots were also weeded by hand if needed.

Method of planting and harvesting. Plots were planted in 30-inch-row spacing using a modified bean planter at 166,000 ppa. Harvesting was done with a small-plot combine. No allowances were made for soybeans that may have been lost as a result of combining or shattering.

PERFORMANCE DATA

Yield. Soybean yield was measured in bushels (60 pounds) per acre at a moisture content of 13 percent. An electronic moisture monitor was used on the combine for all moisture readings.

Maturity. Maturity was stated as the date when approximately 95 percent of the pods were ripe.

Lodging. The amount of lodging was rated at harvest time. The following scale was used:

- 1 - Almost all plants erect
- 2 - All plants leaning slightly or a few plants down
- 3 - All plants leaning moderately (45°), or 25 to 50 percent of the plants down
- 4 - All plants leaning considerably, or 50 to 80 percent of the plants down
- 5 - Almost all plants down

Height. Height was measured at harvest as the average length of plants from the ground to the tip of the main stem.

Shattering. The percentage of open pods was estimated at harvest time. The following scale was used:

- 1 - No shattering
- 2 - 1 to 10% of pods open
- 3 - 10 to 25% of pods open
- 4 - 25 to 50% of pods open
- 5 - Over 50% of pods open

Shattering was not significant at any location.

SUGGESTIONS FOR COMPARING ENTRIES

It is impossible to obtain an exact measure of performance when conducting any test of plant material. Harvesting efficiency may vary, soils may not be uniform, and many other conditions may produce variability. Results of repeated tests are more reliable than those of a single year or a single strip test. When one variety consistently out yields another at several test locations and over several years of testing, the chances are good that this difference is real and should be considered in selecting a variety. However, yield is not the only indicator. You should also consider maturity, lodging and plant height.

As an aid in comparing soybean varieties, brands, and blends within a single trial, certain statistical tests have been devised. One of these tests, the least significant difference (L.S.D.), when used in the manner suggested by Carmer and Swanson¹ is quite simple to apply and is more appropriate than most other tests. When two varieties are compared and the difference between them is greater than the tabulated L.S.D. value, the varieties are judged to be "significantly different."

The L.S.D. is a number expressed in bushels per acre and presented following the average yield for each location. An L.S.D. level of 25% is shown. Find the highest yielding soybean variety within the regional table or single location table of interest, subtract the 25% L.S.D. value from the highest yielding variety, every variety with a greater yield than the resulting number is 'statistically the same' as the highest yielding variety. Consider the merits of the varieties in this group when making varietal selections.

In a study of the frequencies of occurrence of three types of statistical errors and their relative seriousness, Carmer² found strong arguments for an optimal significance level in the range $\alpha = 0.20$ to 0.40 , where α is the Type I statistical error rate for comparisons between means that are really

equal. Herein, a value of $\alpha = 0.25$ is used in computing the L.S.D. 25 percent level shown in the tables. To make the best use of the information presented in this circular and to avoid any misunderstanding or misrepresentation of it, the reader should consider an additional caution about comparing varieties. Readers who compare varieties in different trials or row spacings should be extremely careful, because no statistical tests are presented for that purpose. Readers should note that the difference between a single varieties performance at one location or row spacing and its performance at another is caused primarily by environmental effects and random variability. Furthermore, the difference between the performance of variety A in one trial or row spacing and the performance of variety B in another trial or row spacing is the result not only of environmental effects and random variability, but of genetic effects as well.

¹Carmer, S.G. and M.R. Swanson. "An Evaluation of Ten Pairwise Multiple Comparison Procedures by Monte Carlo Methods." *Journal of American Statistical Association* 68:66 74. 1973.

²Carmer, S.G. "Optimal Significance Levels for Application of the Least Significant Difference in Crop Performance Trials." *Crop Science* 16:95 99, 1976.

2019 SOYBEAN LOCATIONS



2019 TEST FIELDS

Fenton

Location: Mickley Farm, Whiteside County, west of Rock Falls, northwestern Illinois.

Cooperators: Ron and Dave Mickley.

Soil Type: Coffeen silt loam

Planting Date: June 8th.

Harvest Date: October 15th.

Herbicide: Pre- Authority First, Zidua.

Post- First Rate, Select Maxx; Zidua

Tillage: fall—Disc/ripper, spring—field cultivate.

Mt. Morris

Location: Nelson Farm, Ogle County, North of Mt. Morris, north central Illinois.

Cooperator: Rick Nelson.

Soil type: Muscatine silt loam.

Planting Date: June 8th.

Harvest Date: November 8st.

Herbicide: Pre-Authority First, Zidua.

Post-First Rate, Zidua, Select Maxx.

Tillage: fall- vertical till, spring- field cultivate.

DeKalb

Location: Drendel Farm, DeKalb County, southwest of DeKalb.

Cooperator: Steve Drendel

Soil type: Flanagan silty clay loam.

Planting Date: June 8th.

Harvest Date: October 15th.

Herbicide: Pre-Authority First, Zidua.

Post-First Rate, Zidua, Select Maxx.

Tillage: fall-chisel, spring- soil finished.

Monmouth

Location: University of Illinois, Northwestern Illinois Agricultural Research and Demonstration Center, Warren County, northwest of Monmouth.

Cooperators: Greg Steckel, agronomist; Martin Johnson, farm foreman.

Soil type: Sable silty clay loam.

Planting Date: June 4th.

Harvest Date: November 6th.

Herbicide: Pre-Authority First, Dual II Mag;

Post-First Rate, Zidua, Select Maxx

Tillage: fall-disk-ripper, spring- field cultivate.

Goodfield

Location: Wurmnest Farm, Woodford County, north of Goodfield, central Illinois.

Cooperator: Mike Wurmnest.

Soil Type: Ipava silt loam.

Planting Date: May 17th.

Harvest Date: October 19th.

Herbicide: Pre-Authority First, Zidua.

Post-First Rate, Zidua, Select Maxx, Phoenix.

Tillage: fall- Chisel, spring- field cultivate.

Dwight

Location: Grundy County, Hoffman Farm.

Cooperator: Allen Hoffman.

Soil type: Reddick silty clay loam.

Planting Date: June 11th.

Harvest Date: November 7th.

Herbicide: Pre-Authority First, Zidua.

Post-First Rate, Zidua, Select Maxx, Phoenix.

Tillage: fall-chisel, spring- field cultivate.

Quincy

Location: Dedert Farm, Adams county, west central Illinois.
 Cooperator: David Dedert.
 Soil type: Edwardsville silt loam.
 Planting Date: June 5th.
 Harvest Date: November 5th.
 Herbicide: Pre-Authority First, Zidua.
 Post-First Rate, Zidua, Select Maxx.
 Tillage: spring- field cultivator.

New Berlin

Location: Bennett Farm, Sangamon County north of New Berlin, Central Illinois.
 Cooperator: Leahy Bennett.
 Soil type: Sable silty clay loam.
 Planting Date: May 17th.
 Harvest Date: October 14th.
 Herbicide: Pre-Authority First, Zidua
 Post-First Rate, Zidua, Phoenix, Select Maxx
 Fungicide: Headline AMP (8/1).
 Tillage: fall-V ripper, spring-vertical finisher.

Urbana

Location: University of Illinois, Crop Sciences Research & Education Center, Champaign County, east central Illinois.
 Cooperator: Jeff Warren, farm foreman.
 Soil type: Flanagan silt loam.
 Planting Date: May 17th.
 Harvest Date: October 11th.
 Herbicide: Pre-Authority First, Zidua,
 Post-First Rate, Zidua, Phoenix, Select Maxx
 Tillage: fall-chisel, spring-soil finisher.

St. Peter

Location: Schwarm Farm, Fayette County, North of St. Peter, south central Illinois.
 Cooperator: Russ Schwarm, Scott Reynolds.
 Soil type: Darmstadt silt loam.
 Planting Date: June 2nd.
 Harvest Date: Not harvested.
 Herbicide: Pre-Authority MTZ, Prowl H2O;
 Post- None.
 Tillage: fall- chisel plow, spring- field cultivate.

Belleville

Location: Tiedemann Farm, east of Belleville, St. Clair county.
 Cooperators: David and Dan Tiedemann.
 Soil type: Caseyville silt loam.
 Planting date: June 13th.
 Harvest date: November 4th.
 Herbicides: Pre-Authority First, Zidua,
 Post- None.
 Tillage: Spring- field cultivator.

Elkville

Location: Funk farm, North of Carbondale, Jackson County, extreme southern Illinois.
 Cooperator: Trent Funk.
 Soil type: Okaw silt loam.
 Planted: June 2nd.
 Harvest: October 9th.
 Herbicide: Pre-Authority First, Zidua,
 Post-First Rate, Zidua, Phoenix, Select Maxx
 Tillage: fall-chisel, spring-soil finisher.
 Tillage: fall-V ripper, spring-vertical finisher.

Harrisburg

Location: Wintizer farm, Saline County, extreme southern Illinois.
 Cooperator: Kevin Wintizer.
 Soil type: Darwin silt loam.
 Planted: May 25th.
 Harvest: October 9th.
 Herbicide: Pre- Authority First, Zidua.
 Post-First Rate, Zidua, Select Maxx.
 Tillage: fall-disk, spring-disk, field cultivate.

GROWING SEASON RAINFALL

Location	April	May	Jun	July	Aug	Sept	Total
Mt. Morris	3.15	7.12	4.08	1.53	3.57	9.86	32.03
DeKalb	3.63	7.07	2.98	1.91	4.17	10.4	33.35
Fenton	4.65	8.62	3.75	2.30	3.72	6.95	33.68
Monmouth	2.59	9.54	3.56	0.5	3.84	7.44	30.83
New Berlin	3.88	4.65	7.42	2.35	5.05	3.85	31.79
Perry	2.42	5.85	5.54	3.30	4.17	3.82	26.97
Quincy	2.79	10.1	7.81	2.52	5.27	5.41	37.21
Dwight	3.46	8.26	5.37	4.25	1.17	8.15	34.67
Goodfield	3.38	6.98	4.78	1.55	3.43	7.79	31.59
Urbana	4.54	4.99	3.35	3.82	2.07	2.88	23.61
St. Peter	4.68	5.86	7.31	2.31	7.34	0.92	29.69
Belleville	5.54	6.81	5.32	5.82	7.89	1.10	35.02
Elkville	6.68	5.22	6.80	1.74	1.80	0.58	24.16
Harrisburg	5.59	5.40	6.68	2.69	3.80	0.27	25.67

SOURCES OF SEED

AGS , Stratton Seed	www.strattonseed.com
Agventure , Wehmeyer Seed	www.agventure.com
Asgrow , Bayer Crop Science	www.aganytime.com
BioGene , Miller Bros Fert.	217-456-8261
Baker , Baker Seed LLC.	www.bakerseed.com
Channel , Channel Seed	www.channelseed.com
Cornelius , Cornelius	www.corneliusseed.com
Credenz , BASF	www.BASF.com
DeRaedt , DeRaedt Seed	847-514-8844
DONMARIO , GDM Seeds	www.gdmseeds.com
Dyna-Gro , Dyna-Gro Seed	www.dynagroseed.com
FS Hisoy , Growmark	www.fsseeds.com
Genesis , Renk Seed	www.renkseed.com
GO Soy , Stratton Seed	www.strattonseed.com
Green Valley , Green Valley Seed	www.gvseed.com
Hoffman , Hoffman Seed	www.hoffmanseedhouse.com
Illini , Baird Seed Co.	www.bairdseedcompany.com
LG Seeds , LG Seeds	www.lgseeds.com
Monier , Monier Seed	309-238-1227
P3 , Cornelius Seed	www.corneliusseed.com
Power Plus , Burrus Seeds	www.burrusseed.com
Public , Univ. Of Illinois	217-265-4062
Renk , Renk Seed	www.renkseed.com
Stone , Stone Seed Group	www.stoneseed.com
Sun Prairie , Champaign Co. Seed	www.sunprairienseeds.com
Viking Seed , Albert Lea Seed	www.alseed.com

2019 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered					SN	PRR	ST	HC
				1	2	3	4	5				
AGS	GS42X19S	RX	4.2				4	5	U	U	B	lb
AgVenture	34V4E	EN	3.5				4		2	C	B	Bu
AgVenture	38E8LL	LL	3.8				4	5	2	C	B	Bl
AgVenture	39V4E	EN	3.8				4	5	2	A	B	Bu
AgVenture	40U8LL	LL	4				4	5	2	U	B	Bl
AgVenture	40V7E	EN	4				4	5	2	U	B	Bu
AgVenture	41H1LL	EN	4.3				4	5	2	C	B	Bl
AgVenture	41V4X	RX	4.1				4	5	2	K	NA	Bl
AgVenture	43U2X	RX	4.3				4	5	2	U	B	Bl
AgVenture	44U4LL	LL	4.4				4	5	2	C	B	Bl
AgVenture	46V9LL	LL	4.6				4	5	2	U	B	Bu
AgVenture	47W3LL	LL	4.7				4	5	2	U	B	Bl
AgVenture	48V2E	EN	4.8					5	2	U	B	Bu
AgVenture	49V9E	EN	4.9				4	5	2	U	B	lb
Asgrow	AG25X9	RX	2.5	1					2	C	B	ib
Asgrow	AG26X0	RX	2.6	1					2	c	B	ib
Asgrow	AG26X8	RX	2.6	1					2	C	B	ib
Asgrow	AG27X0	RX	2.7	1	2				2	c	B	ib
Asgrow	AG28X9	RX	2.8	1					2	C	B	ib
Asgrow	AG30X9	RX	3	1	2	3			2	C	B	ib
Asgrow	AG31X0	RX	3.1		2	3			2	c	B	Bl
Asgrow	AG33X0	RX	3.3		2	3	4		2	c	B	ib
Asgrow	AG36X6	RX	3.6		2	3	4	5	2	C	B	ib
Asgrow	AG37X0	RX	3.7		2	3			2	c	B	Bu
Asgrow	AG39X0	RX	3.9			3			2	c	B	Bl
Asgrow	AG39X7	RX	3.8			3	4	5	2	C	B	Bl
Asgrow	AG42X9	RX	4.2				4	5	2	A	B	Bl
Asgrow	AG44X0	RX	4.4				4	5		c	B	ib
Asgrow	AG46X0	RX	4.6					5	2	c	B	Bl
Asgrow	AG48X9	RX	4.8				4	5	2	C	B	Bl
Asgrow	AG49X9	RX	4.9					5	2	C	B	Bl
Baker	3705LLGT	RL	3.7				4		2	NG	F	Br
Baker	3782NRXSTS	RX	3.7				4		2	C	F	Bl
Baker	4282NRXSTS	RX	4.2					5	2	NG	F	lb
Baker	4502NRXSTS	RX	4.5					5	2	C	F	Bl
Baker	4862NRX	RX	4.8					5	2	A	F	Bl
Baker	4902NRX	RX	4.9					5	U	A	F	Bl
BioGene	BG 6390LL GT27	RL	3.9				4		2	U	B	Bl
BioGene	BG 9370 E3	EN	3.7				4		2	U	B	Bu
Channel	2119R2X	RX	2.1	1					2	C	B	IB
Channel	2418R2X	RX	2.4	1					2	C	B	IB
Channel	2918R2X	RX	2.9	1	2	3			2	C	B	IB
Channel	3220R2X	RX	3.2		2				2	C	B	IB
Channel	3318R2X	RX	3.3			3			2	C	B	IB
Channel	3519R2X	RX	3.5		2	3			2	C	B	IB
Channel	3718R2X	RX	3.7			3	4	5	2	C	B	IB
Channel	4018R2X	RX	4				4	5	2	C	B	IB
Channel	4218R2X	RX	4.2				4	5	2	C	B	BL
Channel	4717R2X/SR	RX	4.7				4	5	2	C	B	IB
Cornelius	CB24X64	RX	2.4	1					2	NG	B	Bl
Cornelius	CB26X78	RX	2.6	1					1	C	B	lb
Cornelius	CB27X81	RX	2.7	1					2	C	B	lb
Cornelius	CB29X90	RX	2.9		2				2	C	B	Bl
Cornelius	CB30X09	RX	3		2				2	NG	B	Bl
Cornelius	CB33X17	RX	3.3		2				2	NG	B	Bl
Cornelius	CB36X69	RX	3.6		2				2	C	B	Bl
Cornelius	CB38X89	RX	3.8			3			2	C	B	Bl
Cornelius	CB40X08	RX	4			3			2	NG	B	lb
Credenz	CZ 2579 GTLL	RL	2.5	1	2				2	K	B	Bl
Credenz	CZ 2889 GTLL	RL	2.8	1	2	3			2	A	B	Br
Credenz	CZ 3309 GTLL	RL	3.3	1	2	3	4	5	2	A	B	Bl
Credenz	CZ 3519 GTLL	RL	3.5		2	3	4	5	2	A	B	Bl
Credenz	CZ 3929 GTLL	RL	3.9		2	3	4	5	2	A	B	Bl
Credenz	CZ 4539 GTLL	RL	4.5				4	5	2	U	B	Bl
DeReadt	2416NR2Y	RR	2.4	1					2	K	B	Bl
DeReadt	2523GT27	RR	2.5	1					5	S	B	BR
DeReadt	2555 E-3	EN	2.7	1					2	NG	B	lb
DeReadt	2600 B-GT27	RR	2.6	1					2	K	B	Bl
DONMARIO	DM 2544E	EN	2.5	1					2	K	B	BR
DONMARIO	DM 25X43	RX	2.5	1					2	K	B	IB
DONMARIO	DM 2868E	EN	2.8	1	2				2	C	B	BR
DONMARIO	DM 28J9X	RX	2.8	1	2				2	C	B	IB
DONMARIO	DM 34X16	RX	3.4		2				2	NG	B	BR
DONMARIO	DM 3756E	EN	3.7			3	4	5	2	NG	B	IB
DONMARIO	DM 37C2S	CV	3.7			3	4	5	S	K	B	BR
DONMARIO	DM 37M3X	RX	3.7			3	4	5	2	U	B	BR
DONMARIO	DM 3932E	EN	3.9			3	4	5	2	NG	B	BR
DONMARIO	DM 41C2S	CV	4.2			3	4	5	S	C	B	BL
DONMARIO	DM 41P2X	RX	4.1			3	4	5	2	U	B	IB
DONMARIO	DM34E11	EN	3.4			3			2	NG	B	lb
Dyna-Gro	S23XT90	RX	2.3	1					2	C	B	lb

2019 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered					SN	PRR	ST	HC	
				1	2	3	4	5					
Dyna-Gro	S24XT08	RX	2.4	1					2	NG	B	Bl	
Dyna-Gro	S27EN89	EN	2.7	1	2				2	K	B	Bu	
Dyna-Gro	S28XT58	RX	2.8	1	2				2	C	B	lb	
Dyna-Gro	S31XT59	RX	3.1	1	2				2	NG	B	Bl	
Dyna-Gro	S32EN60	EN	3.2		2				2	K	B	lb	
Dyna-Gro	S33XT79	RX	3.3		2				2	A	B	Bl	
Dyna-Gro	S34XT69	RX	3.4		2	3			2	C	B	lb	
Dyna-Gro	S35EN99	EN	3.5		2	3			2	NG	B	lb	
Dyna-Gro	S35XT97	RX	3.5			3			2	C	B	lb	
Dyna-Gro	S37EN39	EN	3.7			3	4		2	NG	B	lb	
Dyna-Gro	S37XS89	RX	3.7			3	4		2	C	B	Bl	
Dyna-Gro	S39EN19	EN	3.9			3	4	5	2	NG	B	Bu	
Dyna-Gro	S41XS98	RX	4.1				4	5	2	NG	B	lb	
Dyna-Gro	S42EN89	EN	4.2				4	5	2	A	B	Bu	
Dyna-Gro	S43XS70	RX	4.3				4	5	2	C	B	Bl	
Dyna-Gro	S44XS68	RX	4.4					5	2	C	B	Bl	
Dyna-Gro	S46XS60	RX	4.6					5	2	C	B	Bl	
Dyna-Gro	S46XT80	RX	4.6					5	2	C	B	Bl	
FS HiSOY®	24X80	RX	2.4	1					2	C	B	lb	
FS HiSOY®	26B90	RL	2.6	1	2				2	NG	B	Bl	
FS HiSOY®	26X90	RX	2.6	1	2				2	C	B	lb	
FS HiSOY®	27X90	RX	2.7	1	2				1	K	B	lb	
FS HiSOY®	28B90	RL	2.8	1	2				2	NG	B	Br	
FS HiSOY®	28C70	CV	2.8	1	2				2	NG	B	Bl	
FS HiSOY®	28X70	RX	2.8	1	2				2	C	B	lb	
FS HiSOY®	29X80	RX	2.9	1	2				2	C	B	Bl	
FS HiSOY®	32B90	RL	3.2		2	3			2	NG	B	Bl	
FS HiSOY®	32C80	CV	3.2		2	3			2	C	B	Bl	
FS HiSOY®	32X90	RX	3.2		2	3			2	NG	B	Bl	
FS HiSOY®	33X80	RX	3.3		2	3			2	C	B	lb	
FS HiSOY®	34B90	RL	3.4		2	3			2	NG	B	Bl	
FS HiSOY®	34C80	CV	3.4		2	3			2	NG	B	Bl	
FS HiSOY®	34X60	RX	3.4		2	3			2	C	B	lb	
FS HiSOY®	35X90	RX	3.5			3			2	C	B	Bu	
FS HiSOY®	36B90	RL	3.6			3			2	NG	B	Bl	
FS HiSOY®	37X70	RX	3.7			3			2	C	B	lb	
FS HiSOY®	38B90	RL	3.8			3	4		2	NG	B	Bl	
FS HiSOY®	38X70	RX	3.8			3	4		2	C	B	Bl	
FS HiSOY®	39B80	RL	3.9			3	4		2	NG	B	Bl	
FS HiSOY®	39X70	RX	3.9			3	4		2	NG	B	lb	
FS HiSOY®	41X70	RX	4.1			3	4		2	NG	B	lb	
FS HiSOY®	42B90	RL	4.2			4			2	A	B	Bl	
FS HiSOY®	42X90	RX	4.2			4			2	C	B	Bl	
FS HiSOY®	43C90	CV	4.3			4			2	C	B	Bl	
FS HiSOY®	43X60	RX	4.3			4	5		2	C	B	Bl	
FS HiSOY®	44B90	RL	4.4			4	5		2	A	B	Bl	
FS HiSOY®	44X90	RX	4.4			4	5		2	C	B	Bl	
FS HiSOY®	45X80	RX	4.5			4	5		2	C	B	lb	
FS HiSOY®	46X90	RX	4.6				5		2	C	B	Bl	
FS HiSOY®	47B90	RL	4.7				5		2	NG	B	Bl	
FS HiSOY®	48X90	RX	4.8				5		2	NG	B	lb	
FS HiSOY®	49X60	RX	4.9				5		2	A	B	Bl	
FS HiSOY®	HS 31E90	EN	3.1		2				2	NG	B	lb	
FS HiSOY®	HS 34E80	EN	3.4		2	3			2	NG	B	lb	
FS HiSOY®	HS 42E90	EN	4.2				4		2	NG	B	Bu	
FS HiSOY®	HS 46E90	EN	4.6					5	2	K	B	Bu	
Genesis	G3140ES	EN	3.1		2				2	C	F	Bu	
Genesis	GS2840E	EN	2.7	1	2				2	K	F	Bu	
Go Soy	*393E19	EN	3.9						4	5	U	U	B
Go Soy	*462E18	EN	4.6						4	5	U	U	B
Go Soy	40GL18	RL	4						4	5	U	U	B
Go Soy	43C17S	CV	4.3										

2019 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered					SN	PRR	ST	HC
				1	2	3	4	5				
Illini	3849N	CV	3.8				4			NG	B	Bu
Illini	3855N	CV	3.8			3	4	2		C	B	BI
Illini	4218N	CV	4.2				4	5	2	NG	B	BI
LG Seeds	C2888RX	RX	2.8	1	2			2		R	B	lb
LG Seeds	C3550RX	RX	3.5		2	3		2		R	B	lb
LG Seeds	C4227RX	RX	4.2				4	5	2	S	B	lb
LG Seeds	LGS2444RX	RX	2.4	1				2		R	B	B
LG Seeds	LGS3060RX	RX	3	1	2			2		S	B	B
LG Seeds	LGS3297RX	RX	3.2		2			2		R	B	lb
LG Seeds	LGS3600RX	RX	3.6			3	4	5	2	S	B	B
LG Seeds	LGS3777RX	RX	3.7			3	4	5	2	R	B	B
Martin	M30E	EN	3			3		2		NG	NA	lb
Martin	M33A-X	RX	3.3			3		2		C	B	lb
Missouri	S13-10590C	CV	4.3				4	5			B	BI
Missouri	S13-2743C	CV	4.1				4	5			B	Bf
Missouri	S13-3851C	CV	4.4				4	5			B	BI
Monier	M2837R2	RR	2.8		2			2		A	B	BI
Monier	M2866RX	RX	2.8		2			2		C	B	lb
Monier	M2957RX	RX	2.9		2			2		C	B	BI
Monier	M3357RX	RX	3.3		2			2		C	B	lb
P3	2029E	EN	2.9	1				2		NG	B	lb
P3	2031E	EN	3.1		2			2		1K	B	lb
P3	2034E	EN	3.4		2			2		NG	B	lb
P3	2036E	EN	3.6		2			2		NG	B	Br
P3	2039E	EN	3.9			3		2		NG	B	Bu
Pioneer	23A15X	RX	2.3	1				2		C	B	BR
Pioneer	26A61X	RX	2.6	1				2		K	B	BR
Pioneer	29A25X	RX	2.9	1				2		K	B	BR
Pioneer	42A96X	RX	4.2				4	5	2	C	B	BI
Pioneer	46A93X	RX	4.6					5	2	NG	B	BI
Pioneer	48A60X	RX	4.8				4	5	2	NG	B	BI
Pioneer	P27A17X	RX	2.7		2	3		1		K	B	BI
Pioneer	P31A22X	RX	3.1	1	2	3		2		K	B	Br
Pioneer	P33A53X	RX	3.3		2	3	4	2		C	B	Br
Pioneer	P33T60	CV	3.3		2	3		2		C	B	Br
Pioneer	P35A41	CV	3.5		2	3		2		C	B	Br
Pioneer	P40A47X	RX	4		2	3	4	5	2	K	B	BI
Power Plus	36A1X TM*	RX	3.6			3	4	2		C	B	Bu
Public	Dwight	CV	2.9		2	3				B	BI	
Public	Jack	CV	2.9		2	3				B	Y	
Public	Williams 82	CV	3.8			3				B	BI	
RENK	RS248NX	RX	2.4	1				2		NG	F	BL
RENK	RS250NX	RX	2.5	1				2		K	F	IB
RENK	RS280NX	RX	2.8	1	2			2		K	F	IB
RENK	RS309NSX	RX	3		2			2		C	F	BL
RENK	RS330NSX	RX	3.3		2			2		NG	F	BL
RENK	RS357NX	RX	3.5		2			2		C	F	IB
Stone Seed	2RX2019	RX	2	1				2		B	Bu	BU
Stone Seed	2RX2418	RX	2.4	1				2		C	B	IB
Stone Seed	2RX2639	RX	2.6	1				2		C	B	IB
Stone Seed	2RX2830	RX	2.8	1	2			2		C	B	IB
Stone Seed	2RX2929	RX	2.9	1	2	3		2		B	IB	
Stone Seed	2RX3120	RX	3.1	1	2			1		B	IB	
Stone Seed	2RX3450	RX	3.4		2	3		2		C	B	IB
Stone Seed	2RX3527	RX	3.5		2	3		2		C	B	IB
Stone Seed	2RX3628	RX	3.6		2	3	4	5	2	C	B	IB

2019 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered					SN	PRR	ST	HC	
				1	2	3	4	5					
Stone Seed	2RX3839	RX	3.8			3	4	5	2		C	B	BU
Stone Seed	2RX3928	RX	3.9			3	4		2		C	B	IB
Stone Seed	2RX4029	RX	4				4	5	2		C	B	BL
Stone Seed	2RX4228-SR	RX	4.2				4	5	2		C	B	BL
Stone Seed	2RX4339-SR	RX	4.3				4		2		C	B	BL
Stone Seed	2RX4629-SR	RX	4.6					5	2		C	B	BL
Stone Seed	2RX4720-SR	RX	4.7					5	2		C	B	BL
Sun Prairie	SP33RX9	RX	3.3		2	3			2		NG	B	BL
Sun Prairie	SP34RX8	RX	3.4		2	3			2		C	B	IB
Sun Prairie	SP36RX9	RX	3.6			3			2		C	B	BU
Sun Prairie	SP38RX7	RX	3.8			3	4		2		C	B	BL
Sun Prairies	SP42RX7	RX	4.2					5	2		NG	B	IB
Viking	2188AT12N	CV	2.5	1	2				2		S	B	Y
Viking	2418N	CV	2.4	1					2		C	B	BL
Viking	2518N	CV	2.5	1					2		C	B	BL
Viking	3144N	CV	3.1	1	2				2		C	B	Y

Regions

1 = Region 1: Fenton, Mt. Morris & DeKalb.

2 = Region 2: Monmouth, Goodfield & Dwight.

3 = Region 3: Perry, New Berlin & Urbana.

4 = Region 4: Belleville & St. Peter.

5 = Region 5: Harrisburg & Elkville.

SN= Source of Soybean Cyst Nematode Resistance

1 = PI 548402 (Peking), 2 = PI 88788, 3 = PI 90763, 4 = PI 437654,

S = Susceptible, U = source unknown.

PRR = Phytophthora Root Rot

A = Rps1a, C = Rps1c, K = Rps1k, 3 = Rps3a, S = Susceptible,

U = Unknown, NG = No Gene.

ST= Seed Treatment

U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available.

HC = Hilum Color

BI= black, IB= imperfect black, BU= buff, BR= Brown, Y= Yellow, G= Gray, M= Mixed.

**2019 Soybean Test Results
Region 1 Early**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				Fenton Yield bu/a	Mt. Morris ² Yield bu/a	DeKalb Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-5	Height in					
Early MG: 2.0-2.6												
Asgrow	AG25X9	RX	B	69.2	10/3	0.0	36.7	73.8	64.1	69.5	70.9	
Asgrow	AG26X0	RX	B	70.5	10/5	0.0	33.4	78.1	66.1	67.4		
Asgrow	AG26X8	RX	B	70.3	10/6	0.0	35.3	79.2	63.7	67.8	71.8	72.0
Channel	2119R2X	RX	B	70.6	9/24	0.0	32.0	77.3	71.1	63.5	72.3	
Channel	2418R2X	RX	B	68.7	10/5	0.0	34.6	71.9	68.3	65.9	71.3	71.3
Cornelius	CB24X64	RX	B	69.6	10/5	0.0	32.2	75.6	66.3	66.9	73.2	73.1
Cornelius	CB26X78	RX	B	70.1	10/9	0.5	37.6	73.7	72.8	63.9		
Credenz	CZ 2579 GTLL	RL	B	69.4	10/9	0.2	36.8	72.2	65.4	70.7		
DeReadt	2416NR2Y	RR	B	70.5	9/29	0.2	33.7	73.5	69.5	68.6	73.1	74.9
DeReadt	2555 E-3	EN	B	69.2	10/7	0.5	37.3	72.0	68.3	67.2		
DeReadt	2600 B-GT27	RR	B	71.7	10/7	0.0	31.7	74.3	70.5	70.3	74.4	
DONMARIO	DM 2544E	EN	B	68.1	10/3	0.0	31.5	71.0	64.0	69.3		
DONMARIO	DM 25X43	RX	B	67.0	10/6	0.0	33.5	74.0	63.4	63.8		
Dyna-Gro	S23XT90	RX	B	65.8	9/26	0.0	33.3	71.6	62.6	63.3		
Dyna-Gro	S24XT08	RX	B	69.7	10/3	0.0	34.3	75.8	66.9	66.2		
FS HiSOY®	24X80	RX	B	66.9	10/4	0.0	30.3	76.6	61.1	63.1	71.9	
FS HiSOY®	26B90	RL	B	69.4	10/7	0.0	35.2	73.8	66.7	67.6		
FS HiSOY®	26X90	RX	B	67.4	10/7	0.3	37.4	74.7	65.1	62.5		
Illini	2643N	CV	B	72.3	10/5	0.2	35.5	75.7	69.7	71.5	73.5	74.9
LG Seeds	LGS2444RX	RX	B	69.2	10/1	0.0	31.6	78.6	64.1	65.1	69.0	
Pioneer	23A15X	RX	B	67.4	10/6	0.0	35.3	71.6	62.2	68.4		
Pioneer	26A61X	RX	B	69.8	10/7	0.0	35.7	75.1	67.9	66.3		
RENK	RS248NX	RX	F	69.7	9/30	0.0	32.1	75.1	66.4	67.8	73.6	
RENK	RS250NX	RX	F	70.3	10/6	0.0	33.6	80.0	63.2	67.6		
Stone Seed	2RX2019	RX	B	71.9	9/29	0.0	31.9	75.3	66.4	73.8		
Stone Seed	2RX2418	RX	B	67.3	10/5	0.0	35.0	74.3	63.4	64.2	70.6	71.6
Stone Seed	2RX2639	RX	B	68.0	10/1	0.0	29.8	74.9	65.2	63.8		
Viking	2188AT12N	CV	F	62.0	9/30	2.5	34.4	58.5	62.1	65.3	67.5	69.8
Viking	2418N	CV	F	72.2	10/2	0.0	32.5	79.2	68.8	68.5	73.5	
Viking	2518N	CV	F	71.1	10/5	0.0	33.4	75.8	67.5	69.9	72.4	
	AVERAGE			69.2	10/4	0.1	33.9	74.4	66.1	67.0		
	L.S.D. 25% LEVEL			2.8		0.0	1.3	2.8	2.7	3.3		
	COEFF. OF VAR. (%)			7.5		0.0	5.8	4.0	4.3	5.2		
Late MG: 2.7-3.3												
Asgrow	AG27X0	RX	B	73.8	10/6	0.0	35.7	77.9	*	69.8		
Asgrow	AG28X9	RX	B	73.8	10/5	0.0	36.9	75.6	*	72.0	74.6	
Asgrow	AG30X9	RX	B	70.7	10/8	0.0	36.9	76.0	*	65.4	74.8	
Channel	2918R2X	RX	B	73.6	10/6	0.0	36.6	77.6	*	69.6	76.8	73.5
Cornelius	CB27X81	RX	B	72.9	10/6	0.0	36.4	77.2	*	68.6	77.2	
Credenz	CZ 2889 GTLL	RL	B	70.4	10/8	0.0	37.3	71.4	*	69.5		
Credenz	CZ 3309 GTLL	RL	B	74.2	10/8	0.2	38.6	80.4	*	68.1		
DeReadt	2523 GT27	RR	B	68.9	10/4	0.3	36.0	68.4	*	69.4		
DONMARIO	DM 2868E	EN	B	72.8	10/9	0.0	34.1	74.8	*	70.8		
DONMARIO	DM 28J9X	RX	B	72.2	10/10	0.0	37.1	75.2	*	69.3		
Dyna-Gro	S27EN89	EN	B	76.3	10/5	0.0	33.0	79.5	*	73.1		
Dyna-Gro	S28XT58	RX	B	76.2	10/6	0.0	37.7	81.5	*	70.9	78.3	74.8
Dyna-Gro	S31XT59	RX	B	77.3	10/13	0.3	37.3	81.4	*	73.3	78.8	
FS HiSOY®	27X90	RX	B	68.5	10/7	0.0	33.0	71.7	*	65.3		
FS HiSOY®	28B90	RL	B	68.0	10/6	0.0	34.6	69.9	*	66.0		
FS HiSOY®	28C70	CV	B	75.6	10/11	0.8	38.1	80.2	*	71.0	75.3	
FS HiSOY®	28X70	RX	B	70.8	10/6	0.0	36.8	75.1	*	66.5	75.6	73.6
FS HiSOY®	29X80	RX	B	69.6	10/9	0.0	35.0	73.7	*	65.4	75.9	
Genesis	GS2840E	EN	F	74.9	10/9	0.0	34.2	77.9	*	72.0		
LG Seeds	C2888RX	RX	B	72.9	10/9	0.0	37.4	75.8	*	70.0	76.5	
LG Seeds	LGS3060RX	RX	B	71.8	10/10	0.0	36.8	77.8	*	65.7		
P3	2029E	EN	B	70.8	10/10	0.5	35.8	77.0	*	64.7		
Pioneer	29A25X	RX	B	70.5	10/11	0.0	36.2	72.6	*	68.5		
Pioneer	P31A22X	RX	B	75.9	10/9	0.0	36.4	75.1	*	76.8	77.8	
RENK	RS280NX	RX	F	71.8	10/9	0.0	33.7	77.1	*	66.5		
Stone Seed	2RX2830	RX	B	70.6	10/8	0.0	36.7	75.8	*	65.4		
Stone Seed	2RX2929	RX	B	74.7	10/7	0.0	38.1	78.4	*	71.1	75.5	
Stone Seed	2RX3120	RX	B	67.4	10/12	0.0	36.0	72.0	*	62.7		
Viking	3144N	CV	F	62.8	10/8	0.2	36.6	70.3	*	55.3		
	AVERAGE			72.0	10/8	0.1	36.1	75.7		68.3		
	L.S.D. 25% LEVEL			3.2		0.0	1.2	3.1		2.6		
	COEFF. OF VAR. (%)			6.5		0.0	5.0	4.4		3.9		

¹ST- U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available

²Mt. Morris Late results have been omitted due to poor quality data.

**2019 Soybean Test Results
Region 2 Early**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results ²				Monmouth Yield bu/a	Goodfield Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-5	Height in				
Early MG: 2.5-3.1											
Asgrow	AG27X0	RX	B	69.9	10/3	0.0	29.3	75.6	64.3		
Asgrow	AG30X9	RX	B	66.7	10/3	0.0	32.3	72.3	61.0	70.63	
Asgrow	AG31X0	RX	B	64.3	10/4	0.0	35.7	72.3	56.3		
Channel	2918R2X	RX	B	69.3	10/3	0.0	32.8	69.7	68.9	72.2 74.1	
Cornelius	CB29X90	RX	B	65.7	10/1	0.0	29.1	71.5	60.0		
Cornelius	CB30X09	RX	B	72.3	10/6	0.0	34.1	73.3	71.3		
Credenz	CZ 2579 GTLL	RL	B	66.3	10/4	0.0	34.1	67.2	65.4		
Credenz	CZ 2889 GTLL	RL	B	67.0	10/1	0.0	33.8	68.1	66.0		
DONMARIO	DM 2868E	EN	B	64.3	9/30	0.0	29.2	64.0	64.6		
DONMARIO	DM 28J9X	RX	B	68.1	10/5	0.0	32.2	72.0	64.2		
Dyna-Gro	S27EN89	EN	B	65.7	10/2	0.0	28.7	65.0	66.4		
Dyna-Gro	S28XT58	RX	B	68.1	10/1	0.0	32.4	72.8	63.5	72.4 75.4	
Dyna-Gro	S31XT59	RX	B	71.3	10/5	0.0	34.5	75.8	66.8	74.7	
FS HiSOY®	26B90	RL	B	65.0	10/1	0.0	31.3	65.8	64.2		
FS HiSOY®	26X90	RX	B	69.0	9/29	0.0	32.8	71.8	66.1		
FS HiSOY®	27X90	RX	B	72.6	10/5	0.0	30.0	77.3	68.0		
FS HiSOY®	28B90	RL	B	71.3	10/3	0.0	31.7	69.5	73.2		
FS HiSOY®	28C70	CV	B	72.2	10/5	0.0	33.0	73.6	70.8	73.6 77.0	
FS HiSOY®	28X70	RX	B	65.6	10/5	0.0	30.8	67.9	63.3	71.4 74.4	
FS HiSOY®	29X80	RX	B	66.8	10/1	0.0	31.1	67.7	65.9	71.4	
FS HiSOY®	HS 31E90	EN	B	69.3	10/4	0.0	30.5	73.6	65.0		
Genesis	G3140ES	EN	F	65.3	10/1	0.0	30.3	66.1	64.4		
Genesis	GS2840E	EN	F	62.3	10/1	0.0	29.2	66.9	57.7		
Illini	2643N	CV	B	59.2	9/25	0.0	30.8	59.5	59.0	66.2 71.3	
Illini	2904N	CV	B	65.1	9/30	0.0	28.0	62.7	67.6	71.6 74.3	
Illini	3025N	CV	B	69.8	9/30	0.0	31.4	68.9	70.6		
Illini	3156N	CV	B	65.4	10/4	0.0	31.8	64.8	66.0		
LG Seeds	C2888RX	RX	B	67.4	10/3	0.0	30.0	74.4	60.4	73.1	
LG Seeds	LGS3060RX	RX	B	67.0	10/3	0.0	31.6	70.8	63.1		
Monier	M2837R2	RR	B	66.3	10/3	0.0	31.8	67.9	64.7	71.7 74.8	
Monier	M2866RX	RX	B	66.8	10/1	0.0	30.3	72.1	61.6	72.2 75.8	
Monier	M2957RX	RX	B	69.1	10/2	0.0	30.2	74.3	63.8	75.0	
P3	2031E	EN	B	63.4	10/4	0.0	31.5	63.9	62.9		
Pioneer	P27A17X	RX	B	65.7	9/30	0.0	32.0	74.0	57.5		
Pioneer	P31A22X	RX	B	70.4	10/6	0.0	33.2	71.2	69.6	74.7	
Public	Dwight	CV	B	53.9	9/23	0.0	29.5	60.1	47.8	59.4 63.9	
Public	Jack	CV	B	51.7	10/1	1.0	39.8	54.1	49.3	58.3 62.2	
RENK	RS280NX	RX	F	73.9	9/30	0.0	28.4	79.6	68.2		
RENK	RS309NSX	RX	F	66.8	10/2	0.0	32.3	70.8	62.7		
Stone Seed	2RX2830	RX	B	61.6	9/30	0.0	30.5	64.7	58.4		
Stone Seed	2RX2929	RX	B	72.7	10/2	0.0	35.0	74.4	71.0	72.7	
Stone Seed	2RX3120	RX	B	73.6	10/6	0.0	30.5	74.5	72.7		
Viking	2188AT12N	CV	F	55.5	9/24	1.0	30.2	53.1	57.8		
Viking	3144N	CV	F	63.4	10/2	0.0	30.4	67.5	59.4		
AVERAGE				66.2	10/1	0.0	31.5	69.0	63.4		
L.S.D. 25% LEVEL				4.5			1.5	3.1	3.8		
COEFF. OF VAR. (%)				8.9			6.1	4.8	6.3		

¹ST- U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available

²The Dwight location was not included due to unacceptable level of variation.

**2019 Soybean Test Results
Region 2 Late**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results ²				Monmouth Yield bu/a	Goodfield Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-5	Height in				
Late MG: 3.2-4.0											
Asgrow	AG33X0	RX	B	70.6	10/5	0.0	34.8	69.3	71.9		
Asgrow	AG36X6	RX	B	70.5	10/5	0.0	31.7	70.0	71.1	76.9	78.5
Asgrow	AG37X0	RX	B	68.2	10/10	0.0	33.6	70.5	65.9		
Channel	3220R2X	RX	B	67.3	10/5	0.0	31.5	65.7	69.0		
Channel	3519R2X	RX	B	68.1	10/9	0.0	33.3	66.0	70.2	73.3	
Cornelius	CB33X17	RX	B	69.6	10/7	0.0	33.5	69.5	69.6		
Cornelius	CB36X69	RX	B	70.1	10/8	0.0	31.7	70.1	70.1		
Credenz	CZ 3309 GTLL	RL	B	66.2	10/9	0.0	34.0	64.8	67.7		
Credenz	CZ 3519 GTLL	RL	B	69.2	10/11	0.0	37.7	66.4	71.9		
Credenz	CZ 3929 GTLL	RL	B	64.1	10/12	0.0	35.6	62.2	65.9		
DONMARIO	DM 34X16	RX	B	68.3	10/8	0.0	33.5	64.6	72.0		
Dyna-Gro	S32EN60	EN	B	65.2	10/5	0.0	31.3	67.2	63.2		
Dyna-Gro	S33XT79	RX	B	70.9	10/6	0.0	31.8	72.1	69.8	76.1	
Dyna-Gro	S34XT69	RX	B	70.7	10/6	0.0	31.1	71.1	70.3	75.4	
Dyna-Gro	S35EN99	EN	B	71.5	10/11	0.0	31.4	66.3	76.7		
FS HiSOY®	32B90	RL	B	66.7	10/3	0.0	32.2	69.2	64.2		
FS HiSOY®	32C80	CV	B	66.9	10/6	0.0	32.2	67.0	66.9		
FS HiSOY®	32X90	RX	B	68.6	10/9	0.0	32.6	68.2	69.0		
FS HiSOY®	33X80	RX	B	68.1	10/8	0.0	29.5	68.3	68.0	74.8	
FS HiSOY®	34B90	RL	B	68.2	10/8	0.0	32.2	62.5	73.8		
FS HiSOY®	34C80	CV	B	72.8	10/6	0.0	36.4	72.9	72.7	75.0	
FS HiSOY®	34X60	RX	B	66.6	10/8	0.0	28.7	68.8	64.4	73.6	75.8
FS HiSOY®	HS 34E80	EN	B	70.5	10/10	0.0	31.2	66.4	74.6		
Illini	3253NHD	CV	B	63.0	10/4	0.0	28.1	60.8	65.2		
Illini	3267N	CV	B	61.2	10/3	0.0	31.5	55.3	67.2		
LG Seeds	C3550RX	RX	B	68.3	10/9	0.0	30.2	71.6	65.0	75.8	
LG Seeds	LGS3297RX	RX	B	68.2	10/9	0.0	29.5	65.9	70.4	75.0	
Monier	M3357RX	RX	B	67.6	10/7	0.0	30.1	68.5	66.7		
P3	2034E	EN	B	73.4	10/10	0.0	31.7	74.1	72.7		
P3	2036E	EN	B	61.0	10/11	0.0	27.3	62.0	60.0		
Pioneer	P33A53X	RX	B	68.7	10/8	0.0	30.8	68.2	69.3		
Pioneer	P33T60	CV	B	65.7	10/6	0.0	33.4	60.3	71.0		
Pioneer	P35A41	CV	B	67.7	10/11	0.0	32.9	64.8	70.6		
Pioneer	P40A47X	RX	B	70.8	10/12	0.0	33.3	70.7	70.9		
RENK	RS330NSX	RX	F	73.1	10/7	0.0	32.7	73.1	73.2		
RENK	RS357NX	RX	F	69.5	10/8	0.0	29.8	69.3	69.7	76.3	79.0
Stone Seed	2RX3450	RX	B	70.0	10/7	0.0	35.1	70.2	69.8		
Stone Seed	2RX3527	RX	B	66.4	10/6	0.0	29.3	67.6	65.1		
Stone Seed	2RX3628	RX	B	69.7	10/9	0.0	31.1	69.0	70.4	75.4	
Sun Prairie Seeds	SP33RX9	RX	B	70.5	10/8	0.0	34.8	68.3	72.7		
Sun Prairie Seeds	SP34RX8	RX	B	67.2	10/7	0.0	30.5	68.4	65.9	72.8	
AVERAGE				68.2	10/7	0.0	32.0	67.5	68.8		
L.S.D. 25% LEVEL				4.2			1.8	3.5	3.1		
COEFF. OF VAR. (%)				9.1			8.3	5.4	4.7		

¹ST- U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available

²The Dwight location was not included due to unacceptable level of variation.

**2019 Soybean Test Results
Region 3 Early**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				Perry ² Yield bu/a	New Berlin Yield bu/a	Urbana Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-5	Height in					
Early MG: 2.7-3.5												
Asgrow	AG30X9	RX	B	70.5	9/22	0.0	33.0	*	70.9	70.2		
Asgrow	AG31X0	RX	B	69.7	9/23	0.2	37.3	*	70.9	68.5		
Asgrow	AG33X0	RX	B	76.3	9/24	0.0	37.5	*	80.0	72.5		
Channel	2918R2X	RX	B	71.2	9/18	0.3	31.8	*	75.3	67.1		
Channel	3318R2X	RX	B	72.2	9/23	0.0	34.7	*	75.5	68.9	74.5	75.5
Channel	3519R2X	RX	B	72.1	9/25	0.0	37.0	*	74.5	69.8	76.3	
Credenz	CZ 2889 GTLL	RL	B	74.5	9/20	0.3	36.0	*	78.5	70.4		
Credenz	CZ 3309 GTLL	RL	B	77.6	9/27	0.0	36.3	*	84.4	70.7		
Credenz	CZ 3519 GTLL	RL	B	76.4	9/28	0.7	38.3	*	82.1	70.6		
DONMARIO	DM34E11	EN	B	76.2	9/26	0.0	33.2	*	81.4	71.0		
Dyna-Gro	S34XT69	RX	B	73.0	9/23	0.0	34.0	*	76.0	70.1	77.6	
Dyna-Gro	S35EN99	EN	B	74.0	9/25	0.0	32.8	*	78.7	69.4		
Dyna-Gro	S35XT97	RX	B	70.4	9/23	0.0	31.7	*	73.7	67.2	77.2	78.8
FS HiSOY®	32B90	RL	B	67.7	9/23	0.0	34.2	*	74.9	60.5		
FS HiSOY®	32C80	CV	B	71.7	9/26	0.0	31.7	*	76.9	66.5		
FS HiSOY®	32X90	RX	B	75.5	9/24	0.0	36.7	*	78.7	72.2		
FS HiSOY®	33X80	RX	B	68.3	9/25	0.0	30.0	*	69.6	66.9	74.9	
FS HiSOY®	34B90	RL	B	74.2	9/24	0.0	35.2	*	79.2	69.2		
FS HiSOY®	34C80	CV	B	69.6	9/24	0.2	36.3	*	75.1	64.2	75.9	
FS HiSOY®	34X60	RX	B	69.4	9/25	0.0	32.0	*	70.1	68.7	76.7	76.1
FS HiSOY®	35X90	RX	B	71.2	9/26	0.0	37.2	*	73.2	69.2		
FS HiSOY®	HS 34E80	EN	B	75.2	9/27	0.0	32.3	*	81.2	69.2		
Illini	2904N	CV	B	73.8	9/26	0.3	31.3	*	76.0	71.6	76.9	77.9
Illini	3025N	CV	B	73.1	9/21	0.0	32.2	*	77.0	69.2	76.2	78.4
Illini	3156N	CV	B	73.6	9/23	0.2	32.5	*	78.0	69.3		
Illini	3253NHD	CV	B	69.0	9/25	0.0	29.8	*	74.5	63.5		
Illini	3264N	CV	B	67.2	9/18	0.0	29.5	*	69.1	65.3	75.6	75.4
Illini	3267N	CV	B	74.9	9/23	0.2	33.0	*	80.5	69.3		
Illini	3546N	CV	B	73.9	9/25	0.0	31.3	*	75.2	72.7	80.0	
LG Seeds	C3550RX	RX	B	70.0	9/26	0.0	31.2	*	70.5	69.5	79.1	
Martin	M30E	EN	NA	71.4	9/22	0.0	31.2	*	73.7	69.0		
Martin	M33A-X	RX	B	73.1	9/25	0.0	30.7	*	75.2	71.0		
Pioneer	P27A17X	RX	B	71.5	9/21	0.0	32.0	*	75.9	67.1		
Pioneer	P31A22X	RX	B	73.6	9/22	0.0	33.5	*	78.9	68.4	77.1	
Pioneer	P33A53X	RX	B	75.7	9/27	0.0	32.3	*	77.9	73.4		
Pioneer	P33T60	CV	B	73.0	9/23	0.0	34.7	*	71.5	74.4		
Pioneer	P35A41	CV	B	71.9	9/23	0.0	36.5	*	72.0	71.8		
Public	Dwight	CV	B	60.3	9/18	0.7	33.5	*	62.8	57.9	64.9	65.4
Public	Jack	CV	B	58.7	9/20	1.0	41.7	*	60.6	56.9	62.9	64.4
Stone Seed	2RX2929	RX	B	74.4	9/23	0.0	36.0	*	78.4	70.4		
Stone Seed	2RX3450	RX	B	74.1	9/23	0.0	36.7	*	75.4	72.8		
Stone Seed	2RX3527	RX	B	73.8	9/26	0.0	30.8	*	77.8	69.8		
Sun Prairie Seeds	SP33RX9	RX	B	73.5	9/23	0.0	35.7	*	73.6	73.3		
Sun Prairie Seeds	SP34RX8	RX	B	68.8	9/25	0.0	31.5	*	72.5	65.1	75.1	
	AVERAGE			72.1	9/23	0.1	33.9	*	75.3	68.9		
	L.S.D. 25% LEVEL			3.3			1.6	*	3.2	2.8		
	COEFF. OF VAR. (%)			6.8			6.8	*	4.5	4.3		

¹ST- U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available

² The Perry early trial was dropped due to unacceptable levels of variation.

**2019 Soybean Test Results
Region 3 Late**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				Perry Yield bu/a	New Berlin Yield bu/a	Urbana Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-5	Height in					
Late MG: 3.6-4.2												
Asgrow	AG36X6	RX	B	72.2	9/27	0.0	33.0	70.6	77.1	69.0	78.1	
Asgrow	AG37X0	RX	B	73.4	9/28	0.0	36.1	73.2	74.9	72.0		
Asgrow	AG39X0	RX	B	74.1	9/28	0.0	37.7	73.7	75.9	72.8		
Asgrow	AG39X7	RX	B	76.2	9/30	0.0	37.7	75.3	78.0	75.3	79.8 79.1	
Channel	3718R2X	RX	B	74.5	9/25	0.0	32.7	74.9	74.9	73.8	78.1 79.3	
Cornelius	CB38X89	RX	B	73.6	9/27	0.0	37.3	72.2	76.9	71.7		
P3	2039E	EN	B	74.5	9/29	0.0	34.1	74.0	77.7	71.6		
Cornelius	CB40X08	RX	B	72.8	9/29	0.0	36.8	69.1	77.0	72.3		
Credenz	CZ 3929 GTLL	RL	B	69.2	9/30	0.0	37.2	68.0	70.2	69.4		
DONMARIO	DM 37C2S	CV	B	69.9	9/27	0.1	34.0	71.3	72.5	65.9		
DONMARIO	DM 3756E	EN	B	77.3	9/30	0.0	32.2	77.4	82.0	72.4		
DONMARIO	DM 37M3X	RX	B	75.7	9/30	0.0	38.7	75.3	73.0	78.8		
DONMARIO	DM 3932E	EN	B	78.6	10/1	0.0	34.5	77.3	80.7	77.6		
DONMARIO	DM 41C2S	CV	B	71.5	9/28	0.1	36.5	69.9	73.1	71.5		
DONMARIO	DM 41P2X	RX	B	79.3	9/30	0.0	37.8	79.8	82.2	75.9		
Dyna-Gro	S37EN39	EN	B	77.0	10/2	0.0	32.2	75.3	81.8	73.8		
Dyna-Gro	S37XS89	RX	B	76.1	9/29	0.0	38.4	73.8	77.5	77.0	81.8	
Dyna-Gro	S39EN19	EN	B	72.8	9/29	0.0	32.9	74.0	74.7	69.7		
FS HiSOY®	36B90	RL	B	75.7	9/27	0.0	33.1	76.2	76.6	74.3		
FS HiSOY®	37X70	RX	B	70.5	9/28	0.0	35.2	74.1	69.5	67.8	76.4 76.1	
FS HiSOY®	38B90	RL	B	73.2	10/1	0.0	38.0	71.0	78.4	70.1		
FS HiSOY®	38X70	RX	B	76.0	9/30	0.0	37.7	76.2	79.2	72.5	80.0 79.7	
FS HiSOY®	39B80	RL	B	70.0	10/1	0.0	37.4	70.2	68.3	71.5		
FS HiSOY®	39X70	RX	B	73.3	9/30	0.0	37.7	74.4	73.6	72.0	76.3 77.0	
FS HiSOY®	41X70	RX	B	75.4	10/3	0.1	38.7	74.3	80.1	71.6	78.6 78.6	
Green Valley Seed	37X0	RX	B	73.0	9/30	0.0	34.8	75.9	73.3	69.7		
Green Valley Seed	39X0	RX	B	74.2	10/1	0.0	36.5	74.1	77.0	71.4		
Illini	3648N	CV	B	76.5	9/26	0.0	31.4	73.2	79.8	76.4	81.8	
Illini	3855N	CV	B	75.1	9/26	0.0	31.0	71.7	79.0	74.6		
LG Seeds	LGS3600RX	RX	B	76.1	9/28	0.0	36.1	72.2	78.7	77.4		
LG Seeds	LGS3777RX	RX	B	75.1	9/27	0.0	38.1	76.3	76.6	72.4	80.5	
Pioneer	P40A47X	RX	B	75.1	9/30	0.0	34.8	73.4	79.8	72.2		
Power Plus	36A1X TM*	RX	B	77.5	9/27	0.0	36.7	78.8	79.3	74.4	79.0	
Public	Williams 82	CV	B	54.6	9/27	0.3	38.7	57.3	54.8	51.7	53.3 56.1	
Stone Seed	2RX3628	RX	B	74.9	9/30	0.0	32.3	78.0	76.4	70.1	79.7	
Stone Seed	2RX3839	RX	B	72.7	10/1	0.0	34.2	74.7	72.4	71.1		
Stone Seed	2RX3928	RX	B	71.8	9/30	1.0	34.2	67.9	75.0	72.4	76.2 76.4	
Sun Prairie Seeds	SP36RX9	RX	B	76.1	9/29	0.0	37.7	79.1	76.1	73.1		
Sun Prairie Seeds	SP38RX7	RX	B	77.4	9/26	0.0	39.4	74.1	77.4	80.8	81.0 81.4	
AVERAGE				74.0	9/28	0.0	35.7	73.6	76.0	72.3		
L.S.D. 25% LEVEL				2.3			1.3	3.1	2.5	2.7		
COEFF. OF VAR. (%)				5.6			6.6	4.4	3.5	3.9		

¹ST- U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available

**2019 Soybean Test Results
Region 4 Early**

COMPANY	NAME	Herbicide Trait	ST ¹	Belleville Results ²				2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-5	Height in		
Early MG: 3.3-4.0									
AgVenture	34V4E	EN	B	70.2	10/1	0.0	35.2		
AgVenture	38E8LL	LL	B	74.7	10/2	0.0	38.3	72.4	70.8
AgVenture	39V4E	EN	B	72.7	10/6	0.0	37.3		
AgVenture	40U8LL	LL	B	67.3	10/6	0.0	42.4	69.2	
AgVenture	40V7E	EN	B	73.0	10/4	0.0	38.0		
Asgrow	AG33X0	RX	B	76.3	10/3	0.0	39.4		
Asgrow	AG36X6	RX	B	79.1	10/1	0.0	36.0	75.4	72.8
Asgrow	AG39X7	RX	B	74.2	10/3	0.0	41.8	73.5	72.0
Baker	3705LLGT	RL	F	70.1	10/1	0.0	35.8		
Baker	3782NRXSTS	RX	F	71.1	10/4	0.0	38.8	71.3	70.2
BioGene	BG 6390LL GT27	RL	B	69.0	10/6	0.0	40.5		
BioGene	BG 9370 E3	EN	B	74.1	10/5	0.0	39.4		
Channel	3718R2X	RX	B	73.3	10/1	0.0	35.6	74.5	73.6
Channel	4018R2X	RX	B	70.7	10/2	0.0	41.2	69.6	
Credenz	CZ 3309 GTLL	RL	B	66.9	10/1	0.0	40.2		
Credenz	CZ 3519 GTLL	RL	B	67.3	10/1	0.0	40.8		
Credenz	CZ 3929 GTLL	RL	B	70.8	10/5	0.0	41.0		
DONMARIO	DM 37C2S	CV	B	72.7	10/5	0.0	35.9		
DONMARIO	DM 3756E	EN	B	77.2	10/1	0.0	36.4		
DONMARIO	DM 37M3X	RX	B	70.7	10/3	0.0	41.2		
DONMARIO	DM 3932E	EN	B	81.4	10/6	0.0	37.3		
Dyna-Gro	S37EN39	EN	B	74.5	10/2	0.0	36.9		
Dyna-Gro	S37XS89	RX	B	75.5	10/3	0.0	40.0	77.1	
Dyna-Gro	S39EN19	EN	B	77.3	10/6	0.0	37.7		
FS HiSOY®	38B90	RL	B	69.7	10/2	0.0	42.0		
FS HiSOY®	38X70	RX	B	74.1	10/3	0.0	41.4	73.5	72.6
FS HiSOY®	39B80	RL	B	69.2	10/5	0.0	40.7		
FS HiSOY®	39X70	RX	B	73.0	10/1	0.0	38.4	72.9	71.4
Go Soy	*393E19	EN	B	77.8	10/2	0.0	38.1		
Go Soy	40GL18	RL	B	67.9	10/5	0.0	41.3		
Hoffman	H38E20	EN	B	72.8	10/3	0.0	37.4		
Hoffman	H393N	CV	B	71.4	10/4	0.0	38.4	71.4	69.7
Hoffman	H399N	CV	B	67.6	10/4	0.0	38.8		
Illini	3546N	CV	B	65.0	10/3	0.0	35.3	70.2	
Illini	3648N	CV	B	69.2	10/2	0.0	32.8	72.5	
Illini	3849N	CV	B	75.7	10/2	0.0	34.3	74.0	
Illini	3855N	CV	B	65.9	10/3	0.0	32.0	71.1	
LG Seeds	LGS3600RX	RX	B	74.9	10/3	0.0	38.9		
LG Seeds	LGS3777RX	RX	B	70.6	10/1	0.0	38.7	75.1	
Pioneer	P33A53X	RX	B	69.3	10/2	0.0	35.4		
Pioneer	P40A47X	RX	B	75.5	10/6	0.0	38.8		
Power Plus	36A1X TM*	RX	B	72.5	10/1	0.0	41.0	71.3	70.6
Stone Seed	2RX3628	RX	B	75.8	10/2	0.0	36.0	75.0	74.5
Stone Seed	2RX3839	RX	B	75.5	10/1	0.0	39.1		
Stone Seed	2RX3928	RX	B	71.7	10/2	0.0	38.6	71.7	71.1
Stone Seed	2RX4029	RX	B	74.1	10/6	0.0	40.5	73.7	
Sun Prairie Seeds	SP38RX7	RX	B	72.0	10/3	0.0	40.7	74.5	74.0
AVERAGE				72.4	10/3	0.0	38.3		
L.S.D. 25% LEVEL				2.8			1.7		
COEFF. OF VAR. (%)				4.1			4.7		

¹ST- U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available

² The St Peter location was planted on June 13th, heavy rain shortly after planting caused soybean emergence to be reduced to near zero. Unfortunately replant did not occur.

**2019 Soybean Test Results
Region 4 Late**

COMPANY	NAME	Herbicide Trait	ST ¹	Belleville Results ²				2 yr Avg Yield bu/a	3 yr Avg Yield bu/a 2 yr
				Yield bu/a	Maturity Date	Lodging 0-5	Height in		
Late MG: 4.1-4.9									
AGS	GS42X19S	RX	B	73.2	10/7	0.0	38.2		
AgVenture	41H1LL	LL	B	74.2	10/14	0.0	40.9	72.8	
AgVenture	41V4X	RX	B	70.8	10/15	0.0	43.9		
AgVenture	43U2X	RX	B	77.8	10/16	0.0	48.3	74.2	
AgVenture	44U4LL	LL	B	70.5	10/13	0.0	44.0	67.1	
AgVenture	46V9LL	LL	B	82.4	10/18	0.0	40.2		
AgVenture	47W3LL	LL	B	72.9	10/18	0.0	42.2	74.0	
AgVenture	49V9E	EN	B	68.7	10/14	0.0	41.5		
Asgrow	AG42X9	RX	B	76.0	10/17	0.0	48.2	73.6	49.1
Asgrow	AG44X0	RX	B	78.9	10/12	0.0	42.6		
Asgrow	AG48X9	RX	B	77.6	10/20	0.0	45.2		
Channel	4218R2X	RX	B	79.7	10/16	0.0	43.5		
Channel	4717R2X/SR	RX	B	73.5	10/19	0.0	47.9	68.5	
Credenz	CZ 4539 GTLL	RL	B	65.8	10/12	0.0	43.1		
DONMARIO	DM 41C2S	CV	B	78.3	10/12	0.0	38.6		
DONMARIO	DM 41P2X	RX	B	79.5	10/17	0.0	41.2		
Dyna-Gro	S41XS98	RX	B	80.6	10/18	0.0	41.8	75.2	71.9
Dyna-Gro	S42EN89	EN	B	71.5	10/17	0.0	38.2		
Dyna-Gro	S43XS70	RX	B	73.7	10/12	0.0	44.6		
FS HiSOY®	41X70	RX	B	78.9	10/17	0.0	40.1	76.2	
FS HiSOY®	42B90	RL	B	70.8	10/12	0.0	37.8		
FS HiSOY®	42X90	RX	B	71.7	10/14	0.0	42.0		
FS HiSOY®	43C90	CV	B	65.6	10/16	0.0	42.5		
FS HiSOY®	43X60	RX	B	78.5	10/18	0.0	43.0	72.7	69.6
FS HiSOY®	44B90	RL	B	66.0	10/12	0.0	43.4		
FS HiSOY®	44X90	RX	B	75.9	10/12	0.0	39.3		
FS HiSOY®	45X80	RX	B	68.7	10/17	0.0	49.1	66.3	
FS HiSOY®	HS 42E90	EN	B	77.8	10/15	0.0	37.8		
Go Soy	*462E18	EN	B	66.7	10/14	0.0	40.2		
Go Soy	43C17S	CV	B	70.5	10/17	0.0	33.8	65.1	
Hoffman	H416N	CV	B	67.2	10/10	0.0	40.0	65.2	64.2
Hoffman	H42E20	EN	B	74.2	10/13	0.0	38.0		
Hoffman	H42GL20	RL	B	71.7	10/14	0.0	38.2		
Hoffman	H44E20	EN	B	76.3	10/14	0.0	36.1		
Hoffman	H47L19	LL	B	75.9	10/17	0.0	39.3	73.0	
Illini	4218N	CV	B	74.4	10/16	0.0	38.2		
LG Seeds	C4227RX	RX	B	80.4	10/18	0.0	43.0	79.8	
Missouri	S13-10590C	CV	B	71.6	10/18	0.0	42.3	66.6	
Missouri	S13-2743C	CV	B	65.8	10/16	0.0	43.0		
Missouri	S13-3851C	CV	B	73.3	10/16	0.0	41.7		
Pioneer	42A96X	RX	B	75.1	10/18	0.0	40.9		
Pioneer	48A60X	RX	B	80.5	10/20	0.0	43.1		
Stone Seed	2RX4228-SR	RX	B	78.4	10/15	0.0	43.3	76.9	73.2
Stone Seed	2RX4339-SR	RX	B	77.1	10/15	0.0	40.9	76.3	
	AVERAGE			74.1	10/14	0.0	41.1		
	L.S.D. 25% LEVEL			2.7			1.7		
	COEFF. OF VAR. (%)			3.8			4.5		

¹ST- U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available

² The St Peter location was planted on June 13th, heavy rain shortly after planting caused soybean emergence to be reduced to near zero. Unfortunately replant did not occur.

**2019 Soybean Test Results
Region 5 Early**

COMPANY	NAME	Herbicide Trait	ST ¹	Harrisburg Results ²				2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-5	Height in		
Early MG: 3.3-4.2									
AGS	GS42X19S	RX	B	70.5	*	0.3	36.4		
AgVenture	38E8LL	LL	B	77.3	*	0.0	36.3	73.0	73.8
AgVenture	39V4E	EN	B	69.5	*	0.3	35.4		
AgVenture	40U8LL	LL	B	73.2	9/24	0.0	35.7	73.2	
AgVenture	40V7E	EN	B	69.1	*	0.3	36.3		
AgVenture	41H1LL	LL	B	71.4	*	0.0	34.0	69.6	72.2
AgVenture	41V4X	RX	B	73.2	9/24	1.3	46.0		
Asgrow	AG36X6	RX	B	76.6	*	0.0	32.7		
Asgrow	AG39X7	RX	B	74.0	*	0.0	34.7	72.6	74.7
Asgrow	AG42X9	RX	B	68.3	9/23	0.3	45.3	71.1	
Baker	4282NRXSTS	RX	F	73.8	*	0.0	35.3	73.3	
Channel	3718R2X	RX	B	69.9	*	0.0	31.3	69.4	73.4
Channel	4018R2X	RX	B	70.2	*	0.0	34.7	70.9	
Channel	4218R2X	RX	B	71.3	*	0.3	35.9		
Credenz	CZ 3309 GTLL	RL	B	72.2	*	0.0	34.0		
Credenz	CZ 3519 GTLL	RL	B	72.7	*	0.0	34.0		
Credenz	CZ 3929 GTLL	RL	B	63.1	9/23	0.0	40.0		
DONMARIO	DM 37C2S	CV	B	73.3	*	0.0	32.0		
DONMARIO	DM 3756E	RL	B	80.4	*	0.0	32.0		
DONMARIO	DM 37M3X	RX	B	75.8	*	0.0	36.6		
DONMARIO	DM 3932E	RL	B	79.2	*	0.0	33.4		
DONMARIO	DM 41C2S	CV	B	71.6	*	0.3	35.0		
DONMARIO	DM 41P2X	RX	B	76.0	*	0.3	36.4		
Dyna-Gro	S39EN19	EN	B	75.3	*	0.0	32.7		
Dyna-Gro	S41XS98	RX	B	74.5	*	0.7	38.3	75.9	76.6
Dyna-Gro	S42EN89	EN	B	71.7	*	0.0	36.6		
Go Soy	*393E19	EN	B	75.5	9/23	0.0	35.3		
Go Soy	40GL18	RL	B	65.5	*	0.0	39.0		
Hoffman	H38E20	EN	B	71.7	*	0.0	30.7		
Hoffman	H393N	CV	B	67.9	*	0.0	36.7	67.9	69.9
Hoffman	H399N	CV	B	71.8	*	0.0	34.0		
Hoffman	H416N	CV	B	64.1	*	0.0	32.6	67.0	68.2
Hoffman	H42E20	EN	B	69.2	*	0.0	39.0		
Hoffman	H42GL20	RL	B	75.6	*	0.0	35.7		
Illini	4218N	CV	B	71.8	*	0.0	32.7		
LG Seeds	C4227RX	RX	B	77.4	*	0.3	39.0	78.4	
LG Seeds	LGS3600RX	RX	B	75.1	*	0.0	37.3		
LG Seeds	LGS3777RX	RX	B	71.5	*	0.0	34.7	74.4	
Missouri	S13-2743C	CV	B	70.1	9/24	0.0	39.4		
Pioneer	42A96X	RX	B	75.6	9/24	0.3	38.0		
Pioneer	P40A47X	RX	B	70.8	*	0.0	34.4		
Stone Seed	2RX3628	RX	B	76.0	*	0.0	30.6		
Stone Seed	2RX3839	RX	B	73.5	*	0.0	32.7		
Stone Seed	2RX4029	RX	B	71.9	*	0.3	36.7	73.7	
Stone Seed	2RX4228-SR	RX	B	66.1	*	0.3	37.3	70.9	71.1
Sun Prairie Seeds	SP42RX7	RX	B	78.3	*	0.0	38.0		
	AVERAGE			72.5	9/23	0.2	36.0		
	L.S.D. 25% LEVEL			3.1			2.3		
	COEFF. OF VAR. (%)			4.5			6.7		

¹ST- U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available

²Elkville location was harvested, data was not included in table due to low yields due to lack of moisture.

* Maturity date was not observed and occurred before 9/23.

**2019 Soybean Test Results
Region 5 Late**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results ²				2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-5	Height in		
Late MG: 4.3-4.9									
AgVenture	43U2X	RX	B	74.8	9/25	0.7	43.3	74.643	
AgVenture	44U4LL	LL	B	67.7	*	0.7	43.0	65.544	
AgVenture	46V9LL	LL	B	81.5	9/25	0.0	42.3		
AgVenture	47W3LL	LL	B	63.8	9/25	0.7	38.3	64.4	66.1
AgVenture	49V9E	EN	B	60.1	9/24	0.0	41.3		
Asgrow	AG44X0	RX	B	69.5	9/24	0.3	40.3		
Asgrow	AG46X0	RX	B	65.2	9/26	0.7	42.0		
Asgrow	AG48X9	RX	B	69.4	9/27	1.0	44.0	71.4	
Asgrow	AG49X9	RX	B	70.3	9/27	0.3	41.0		
Baker	4502NRXSTS	RX	F	69.9	9/27	0.0	37.0		
Baker	4862NRX	RX	F	69.0	9/29	0.3	38.7	69.5	69.9
Baker	4902NRX	RX	F	69.8	9/25	0.0	45.7		
Channel	4717R2X/SR	RX	B	67.0	9/29	1.3	47.3	67.1	
Credenz	CZ 4539 GTLL	RL	B	60.0	*	1.0	42.3		
Dyna-Gro	S43XS70	RX	B	73.2	*	0.3	42.0		
Dyna-Gro	S44XS68	RX	B	73.4	9/25	0.0	43.0	70.7	
Dyna-Gro	S46XS60	RX	B	71.6	9/26	0.7	44.3		
Dyna-Gro	S46XT80	RX	B	68.4	*	0.3	42.3		
FS HiSOY®	43X60	RX	Be	69.6	9/26	0.7	42.3	68.0	67.5
FS HiSOY®	44B90	RL	Be	63.6	*	0.7	42.0		
FS HiSOY®	44X90	RX	Be	70.6	*	1.3	39.2		
FS HiSOY®	45X80	RX	Be	75.2	9/27	0.3	48.0	71.8	
FS HiSOY®	46X90	RX	Be	71.5	9/26	1.0	39.7		
FS HiSOY®	47B90	RL	Be	54.8	*	1.0	39.3		
FS HiSOY®	48X90	RX	Be	69.4	9/26	1.7	42.7		
FS HiSOY®	49X60	RX	Be	66.3	9/29	1.3	41.7	69.7	
FS HiSOY®	HS 46E90	EN	Be	62.2	*	0.3	41.0		
Go Soy	*462E18	EN	B	59.9	9/27	0.3	39.3		
Go Soy	43C17S	CV	B	67.4	*	0.3	33.0	64.2	
Hoffman	H44E20	EN	B	73.1	*	0.0	34.0		
Hoffman	H47L19	LL	B	71.1	*	0.0	39.7	70.8	
Missouri	S13-10590C	CV	B	77.2	9/25	0.3	42.3	69.0	68.4
Missouri	S13-3851C	CV	B	61.0	*	1.0	35.7		
Pioneer	46A93X	RX	B	76.9	9/25	0.7	46.0		
Pioneer	48A60X	RX	B	77.2	9/24	0.7	41.0		
Stone Seed	2RX4629-SR	RX	B	71.8	9/26	1.3	40.0	72.4	
Stone Seed	2RX4720-SR	RX	B	69.2	9/26	1.0	40.7		
	AVERAGE			69.3	9/26	0.6	41.4		
	L.S.D. 25% LEVEL			3.9			2.2		
	COEFF. OF VAR. (%)			5.9			5.5		

¹ST- U= Untreated, F=Fungicide, Fe= Fungicide + Illevo, B= Fungicide + Insecticide, Be= Fungicide + Insecticide + Illevo, NA= Information not Available

²Elkville location was harvested, data was not included in table due to low yields due to lack of moisture.

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