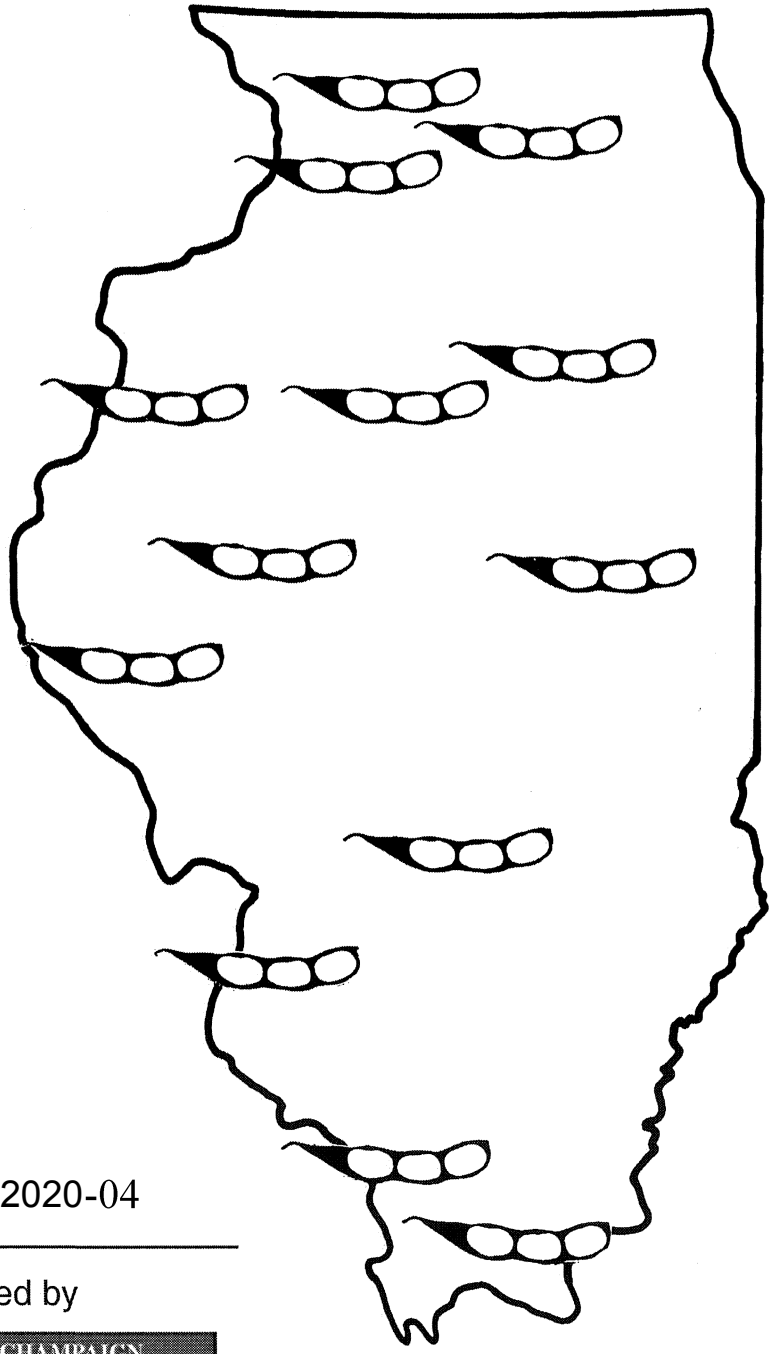
Soybean Variety Test Results in Illinois- 2020



Crop Sciences Special Report 2020-04

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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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 2020 trial was made up of 250 varieties consisting of 1 roundup, 2 STS, 3 roundup, dicamba and STS, 8 liberty only resistant, 20 roundup and liberty, 40 conventional, 31 enlist and 90 roundup, dicamba varieties from 27 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 2020, 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. Perry, New Berlin and Urbana
Region 4. St. Peter and Belleville
Region 5. Elkville 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% 0f 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 Swanson[1] 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, Carmer[2] 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.

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

2020 SOYBEAN LOCATIONS

2020 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: May 2nd.
Harvest Date: October 13th.
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: May 12th.
Harvest Date: October 12th .
Herbicide: Pre-Authority First, Zidua.
Post-First Rate, Zidua, Select Maxx.
Tillage: fall- vertical till, spring- field cultivate.

DeKalb
Location: Boesche farm, DeKalb County, southwest of DeKalb.
Cooperators: Jim Boesche.
Soil type: Drummer 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: May 1st.
Harvest Date: October 29th.
Herbicide: Pre-Authority First, Dual II Mag;
Post-First Rate, Zidua, Select Maxx
Tillage: fall-disk-ripper, spring- field cultivate.

Goodfield
Location: Joos farms, Woodford county, north of Goodfield, central Illinois.
Cooperator: Ron and Glenn Joos.
Soil Type: Ipava silt loam..
Planting Date: May 13th.
Harvest Date: October 20th.
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.

Perry
Location: University of Illinois, Orr Agricultural Research and Demonstration Center, Pike County, west of Perry, west-central Cooperator: Luke Merritt.
Soil type: Clackdale silt loam.
Planting Date: May 29th.
Harvest Date: October 30th.
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 13th.
Harvest Date: October 22nd.
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 13th.
Harvest Date: October 16th .
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 10th .
Harvest Date: November 2nd.
Herbicide: Pre-Authority Supreme,
Post-First Rate, Zidua, Phoenix, Select Maxx.
Tillage: fall- none, 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 5th.
Harvest date: November 3rd.
Herbicides: Pre-Authority First, Zidua,
Post-First Rate, Zidua, Phoenix, Select Maxx.
Tillage: Spring- field cultivator.

Elkville
Location: Funk farm, North of Carbondale, Jackson County, extreme southern Illinois.
Cooperator: Trent Funk.
Soil type: Cisne silt loam.
Planted: June 3rd.
Harvest: November 3rd.
Herbicide: Pre-
Post-First Rate, Zidua, Phoenix, Select Maxx
Tillage: fall-chisel, spring-soil finisher.

Harrisburg
Location: Wintizer farm, Saline County, extreme southern Illinois.
Cooperator: Kevin Wintizer.
Soil type: Patton silty clay loam.
Planted: May 1st .
Harvest: November 3rd .
Herbicide: Pre- Authority First, Zidua.
Post-First Rate, Zidua, Select Maxx.
Tillage: fall-disk, spring-disk, field cultivate.
ion: 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.

GROWING SEASON RAINFALL

Location	April	May	Jun	July	Aug	Sept	Total
Mt. Morris	3.30	5.12	4.50	4.53	1.10	6.10	**24.30**
DeKalb	3.38	7.07	2.60	4.30	0.80	5.10	**22.65**
Fenton	2.10	7.48	2.43	4.75	1.02	7.80	**24.30**
Monmouth	1.81	4.84	3.92	3.50	0.84	5.84	**20.73**
New Berlin	7.58	4.85	2.92	4.35	0.85	2.75	**22.79**
Perry	4.42	3.85	3.74	4.80	3.25	2.72	**23.87**
Dwight	4.86	7.56	5.87	3.75	1.17	4.85	**26.97**
Goodfield	6.10	4.48	1.28	1.55	8.83	2.29	**28.19**
Urbana	5.14	4.99	7.55	4.82	1.77	2.88	**26.61**
St. Peter	3.81	3.60	2.71	8.91	2.24	0.72	**22.91**
Belleville	4.54	4.91	3.82	6.92	9.51	0.60	**32.42**
Elkville	3.08	3.82	4.20	3.41	4.20	1.11	**25.16**
Harrisburg	2.10	3.50	5.40	3.50	8.30	6.57	**23.67**

SOURCES OF SEED

AGS, Stratton Seed	www.strattonseed.com
Agventure, Wehmeyer Seed	www.agventure.com
Asgrow, Bayer Crop Science	www.aganytime.com
Baker, Baker Seed LLC**.**	www.bakerseed.com
BioGene, Miller Bros Fert**.**	217-456-8261
Blue River, Blue River Organic seed	www.blueriverorgseed.com
Burrus, Burrus Seed**,**	www.burrusseed.com
Channel, Channel Seed	www.channelseed.com
Cornelius, Cornelius	www.corneliusseed.com
Credenz, BASF	www.BASF.com
Dairyland, Dairyland Seed	www.dairylandseed.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
Hoffman, Hoffman Seed	www.hoffmanseedhouse.com
Illini, Baird Seed Co.	www.bairdseedcompany.com
LG Seeds, LG Seeds	www.lgseeds.com
Monier, Monier Seed	www.monierseed.com
NuTech Seed, NuTech Seed, LLC	www.nutechseed.com
P3, Cornelius Seed	www.corneliusseed.com
Pioneer, Pioneer	www.pioneer.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.sunprairieseeds.com
Viking Seed, Albert Lea Seed	www.alseed.com

2020 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered 1	2	3	4	5	SN	PRR	ST	HC
AGS	GS42X19S	RS	4.2				4	5	U	U	B	ib
AgVenture	37V4LL	LL	3.7				4	5	2		B	BL
AgVenture	39V7E	EN	3.9				4	5	2	K	B	BR
AgVenture	39V8LL	EN	3.9				4		2		B	BR
AgVenture	40V7E	EN	4.0				4	5	2		B	BU
AgVenture	43V6E	EN	4.3				4	5	2		B	BR
AgVenture	43V8LL	LL	4.3				4	5	2	C	B	BL
AgVenture	45V8E	EN	4.5				4	5	2		B	BL
AgVenture	47V4LL	LL	4.7				4	5	2		B	BL
Arkansas	R13-14635RR	RR	5.4					5			B	Bf
Arkansas	R16-259	CV	4.6				4				B	
Asgrow	AG20X9	RX	2.0	1					2	c	Be	ib
Asgrow	AG24X9	RX	2.4	1					2	c	Be	ib
Asgrow	AG26X0	RX	2.6	1	2				2	c	Be	ib
Asgrow	AG27X0	RX	2.7	1	2				2	c	Be	ib
Asgrow	AG30X9	RX	3.0	1	2				2	c	Be	ib
Asgrow	AG33X0	RX	3.3		2	3	4		2	c	Be	ib
Asgrow	AG34X6	RX	3.4		2	3	4		2	c	Be	Bl
Asgrow	AG36X6	RX	3.6		2	3	4		2	c	Be	ib
Asgrow	AG37X0	RX	3.7			3	4		2	c	Be	Bu
Asgrow	AG39X0	RX	3.9			3	4	5	2	c	Be	Bl
Asgrow	AG39X7	RX	3.9			3	4	5	2	c	Be	Bl
Asgrow	AG43X0	RX	4.3					5	2	c	Be	ib
Asgrow	AG46X0	RX	4.6					5	2	c	Be	Bl
Asgrow	AG46X6	RX	4.6					5	2	a	Be	Bl
Asgrow	AG48X9	RX	4.8					5	2	c	Be	Bl
Baker	3782NRXSTS	RX	3.7				4		2	C	F	Bl
Baker	4862NRX	RX	4.8					5	2	A	F	Bl
BIOGENE	BG9371E3	E3	3.7				4		2	K	Be	Bu
BIOGENE	BG9420E3	E3	4.2				4		2	NG	Be	Br
Blue River	29DC5	CV	2.9	1					1	U	U	Bl
Blue River	32DC8	CV	3.2		2	3			1	U	U	Ib
Blue River	34A7	CV	3.4		2	3			1	U	U	Bl
Blue River	35DC2	CV	3.5		2	3			1	U	U	Bl
Blue River	39CK9-DROP	CV	3.9				4		1	U	U	Br
Blue River	41DC8	CV	4.1				4		1	U	U	
Blue River	49CK6	CV	4.9					5	1	U	U	
Blue River	e4993	CV	4.9					5	1	U	U	Bl
Burrus	3082X	RX	3.0	1					2	C3	B	
Burrus	3798X	RX	3.7		2	3			2	C	B	
Burrus	3803E	EN	3.8		2	3			2	S	B	
Channel	2418R2X	RX	2.4	1					2	C	Be	IB
Channel	2820R2X	RX	2.8	1					2	C	Be	IB
Channel	2918R2X	RX	2.9		2				2	C	Be	IB
Channel	3220R2X	RX	3.2		2	3			2	C	Be	IB
Channel	3519R2X	RX	3.5		2	3			2	C	Be	IB
Channel	3718R2X	RX	3.7			3	4	5	2	C	Be	IB
Channel	4018R2X	RX	4.0				4	5	2	C	Be	IB
Channel	4218R2X/SR	RS	4.2				4	5	2	C	Be	BL
Cornelius	CB24X64	RX	2.4	1					2	NG	Be	
Cornelius	CB26X78	RX	2.6	1					1	C	Be	
Cornelius	CB27X81	RX	2.7	1					2	C	Be	
Cornelius	CB29X33	RX	2.9	1					2		Be	
Cornelius	CB30X09	RX	3.0		2				2	NG	Be	
Cornelius	CB33X17	RX	3.3		2				2	NG	Be	
Cornelius	CB36X22	RX	3.6		2				2	C	Be	
Cornelius	CB38X89	RX	3.8			3			2	C	Be	
Credenz	CZ 2550GTLL	RL	2.5	1					2	A	Be	Bl
Credenz	CZ 2760GTLL	RL	2.7	1	2	3			2	A	Be	Br
Credenz	CZ 2830GTLL	RL	2.8	1	2	3			2	K	Be	Br
Credenz	CZ 3099GTLL	RL	3.0	1	2	3			2	K	Be	Bl
Credenz	CZ 3309 GTLL	RL	3.3	1	2	3	4		2	A	Be	Bl
Credenz	CZ 3519 GTLL	RL	3.5	1	2	3	4		2	A	Be	Bl
Credenz	CZ 3750GTLL	RL	3.7		2	3	4	5	2	A	Be	Br
Credenz	CZ 3840GTLL	RL	3.8			3	4	5	2	A	Be	Br
Credenz	CZ 3930GTLL	RL	3.9				4	5	2	A	Be	Bl
Dairyland	DSR-2112E	EN	2.1	1					2	S	Be	Ib
Dairyland	DSR-2424E	EN	2.4	1					1	K	Be	Bu
Dairyland	DSR-2590E	EN	2.5	1					2	K	Be	Bl
Dairyland	DSR-2640E	EN	2.6	1					2	K	Be	Bu
Dairyland	DSR-2999E	EN	2.9	1					2	K	Be	Ib
Dairyland	DSR-3256E	EN	3.2	1					2	S	Be	Bl
Dairyland	DSR-3365E	EN	3.3	1					2	C	Be	Bu
Dairyland	E24-201E	EN	2.4	1					2	C	Be	Bu
DeReadt	2321E3	EN	2.3	1					2	K	B	Bu
DeReadt	2521E3	EN	2.5	1					2	U	B	Ib
DeReadt	2555E3	EN	2.5	1					1	K	B	Bu
DeReadt	2621E3	EN	2.6	1					2	K	B	Bl
DONMARIO	DM 28J9X	RX	2.8	1					2	C	B	IB
DONMARIO	DM 34X16	RX	3.4	1	2				2	NG	B	BR
DONMARIO	DM 3756E	EN	3.7			3	4	5	2	NG	B	IB

2020 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered 1	2	3	4	5	SN	PRR	ST	HC
DONMARIO	DM 37C2S	CV	3.7			3	4	5	S	K	B	BL
DONMARIO	DM 3932E	EN	3.9			3	4	5	2	NG	B	BR
DONMARIO	DM 41C51	CV	4.1			3	4	5			B	
Dyna-Gro	S27EN89	EN	2.7	1					2	K	B	Bu
Dyna-Gro	S28XT58	RX	2.8	1	2				2	C	B	Ib
Dyna-Gro	S30EN70	EN	3.0	1	2				2	NG	B	Ib
Dyna-Gro	S32EN01	EN	3.2			3			2	NG	B	Br
Dyna-Gro	S35EN99	EN	3.5		2	3			2	NG	B	Ib
Dyna-Gro	S3681STS	ST	3.6		2	3			2	NG	B	Bl
Dyna-Gro	S36ES70	ES	3.6		2	3			2	K	B	Bu
Dyna-Gro	S36XT91	RX	3.6		2	3			2	C	B	Bl
Dyna-Gro	S37EN39	EN	3.7			3	4		2	NG	B	Ib
Dyna-Gro	S37XS89	XS	3.7			3	4		2	C	B	Bl
Dyna-Gro	S38XS21	XS	3.8				4	5	2	C	B	Ib
Dyna-Gro	S3961STS	ST	3.9				4		2	NG	B	Br
Dyna-Gro	S39EN19	EN	3.9				4	5	2	NG	B	Bu
Dyna-Gro	S41ES80	ES	4.1				4	5	2	NG	B	Bu
Dyna-Gro	S43EN61	EN	4.3				4	5	2	NG	B	Br
Dyna-Gro	S43XS70	XS	4.3				4	5	2	C	B	Bl
Dyna-Gro	S45ES10	ES	4.5					5	2	NG	B	Br
Dyna-Gro	S46ES91	ES	4.6					5	2	NG	B	Ib
Dyna-Gro	S46XS60	ES	4.6					5	2	C	B	Bl
FS HiSOY®	*25E00	EN	2.5	1	2				2	NG	B	Ib
FS HiSOY®	*28E90	EN	2.8	1	2				2	K	B	Ib
FS HiSOY®	*31E90	EN	3.1	1	2				2	NG	B	Ib
FS HiSOY®	*32E00	EN	3.2		2	3			2	NG	B	Br
FS HiSOY®	*34E80	EN	3.4			3			2	NG	B	Ib
FS HiSOY®	*38E90	EN	3.8			3	4		2	K	B	Bu
FS HiSOY®	*39E00	EN	3.9			3	4	5	2	K	B	Br
FS HiSOY®	*42E90	EN	4.2				4	5	2	NG	B	Bu
FS HiSOY®	*43E00	EN	4.3				4	5	2	NG	B	Br
FS HiSOY®	*45E00	EN	4.5				4	5	2	A	B	Ib
FS HiSOY®	*48E00	EN	4.8					5	2	NG	B	Bu
FS HiSOY®	24X80	RX	2.4	1					2	C	B	Ib
FS HiSOY®	27X90	RX	2.7	1	2				2	K	B	Ib
FS HiSOY®	28B00	RL	2.8	1	2				2	K	B	Br
FS HiSOY®	28X70	RX	2.8	1	2				2	C	B	Ib
FS HiSOY®	30X00	RX	3.0	1	2				2	C	B	Bl
FS HiSOY®	31B00	RL	3.1	1	2				2	NG	B	Br
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®	34C80	CV	3.4			3			2	NG	B	Bl
FS HiSOY®	35B00	RL	3.5			3			2	NG	B	Br
FS HiSOY®	35X00	RX	3.5			3			2	C	B	Bl
FS HiSOY®	38B00	RL	3.8			3	4		2	NG	B	Br
FS HiSOY®	38X70	RX	3.8			3			2	C	B	Bl
FS HiSOY®	39C00	CV	3.9			3	4		2	NG	B	Br
FS HiSOY®	38X00	RX	3.9			3	4	5	2	C	B	Bl
FS HiSOY®	41X70	RX	4.1				4	5	2	NG	B	Ib
FS HiSOY®	43X60	RX	4.3				4	5	2	C	B	Bl
FS HiSOY®	46X90	RX	4.6					5	2	C	B	Bl
GENESIS	G2550E	RF	2.5	1							B	
GENESIS	G2840E	RF	2.8	1							B	
GENESIS	G3040E	RF	3.0		2						B	
GENESIS	G3350E	RF	3.3		2						B	
GENESIS	G4350E	RF	4.3			3					B	
Go Soy	*433E21	EN	4.3				4	5	U	U	B	Br
Go Soy	*481E19	EN	4.8				4	5	U	U	B	bu
Go Soy	383E21S	ES	3.8				4	5	U	U	B	Br
Go Soy	463E20S	ES	4.6				4	5	U	U	B	ib
Hoffman	H393N	CV	3.9				4	5	2	C	B	Bl
Hoffman	H399N	CV	3.9				4	5	2	NG	B	Bl
Hoffman	H39E21	EN	3.9				4	5	2	NG	B	Br
Hoffman	H420N	CV	4.2				4	5	2	K	B	Bl
Hoffman	H43E21	EN	4.3				4	5	2	NG	B	Br
Hoffman	H46E21	EN	4.6				4	5	2	NG	B	Br
Illini	2643N	CV	2.6	1	2				2	NG	B	G
Illini	2904N	CV	2.9		2	3			2	NG	B	Ib
Illini	3025N	CV	3.2		2	3			2	K	B	Br
Illini	3156N	CV	3.1		2	3			2	K	B	Bl
Illini	3264N	CV	3.2			3			2	NG	B	Bl
Illini	3267N	CV	3.2		2	3			2	K	B	Bl
Illini	3317N	CV	3.3		2	3			2	C	B	Bu
Illini	3546N	CV	3.5			3	4		2	C	B	Bl
Illini	3648N	CV	3.6			3	4		2	K	B	Bl
Illini	3849N	CV	3.8				4			NG	B	Bu
Illini	3855N	CV	3.8			3	4		2	C	B	Bl
Illini	3989N	CV	3.9			3	4		2	NG	B	Bl
Illini	4218N	CV	4.2				4	5	2	NG	B	Bl
Illini	4300N	CV	4.3				4	5	2	NG	B	Bl
Martin	M33A-X	RX	3.3			3			2	C	B	Ib

2020 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered 1	2	3	4	5	SN	PRR	ST	HC
Martin	M33E	EN	3.0			3					B	
Missouri	S15-10879C	CV	4.1					5			F	Bu
Monier	M3057RX	RX	3.0		2				2	C	Be	Bl
Monier	M3357RX	RX	3.3		2				2	C	Be	Ib
Monier	ME2585	EN	2.5		2				2	NG	Be	Ib
Monier	ME2885	EN	2.8		2				2	K	Be	Bu
Monier	ME3385	EN	3.3		2				2	NG	Be	Br
Monier	ME3585	EN	3.5		2				2	NG	Be	Ib
NuTech	22N02E	EN	2.2	1							B	
NuTech	24N02E	EN	2.4	1							B	
NuTech	26N04E	EN	2.6	1							B	
NuTech	28N02E	EN	2.8	1	2						B	
NuTech	30N03E	EN	3.0	1	2						B	
NuTech	30N05E	EN	3.0	1	2	3					B	
NuTech	31N06E	EN	3.1	1	2	3					B	
NuTech	34N06E	EN	3.4		2	3	4				B	
NuTech	35N03E	EN	3.5		2	3	4	5			B	
NuTech	36N03E	EN	3.6		2	3	4	5			B	
NuTech	39N04E	EN	3.8		2	3	4	5			B	
NuTech	39N05E	EN	3.9		2	3	4	5			B	
NuTech	41N03E	EN	4.1		2	3	4	5			B	
NuTech	43N04E	EN	4.3			3	4	5			B	
NuTech	45N04E	EN	4.5				4	5			B	
NuTech	46N02E	EN	4.6				4	5			b	
P3 Genetics	1928E	EN	2.8	1					2	K	Be	
P3 Genetics	2029E	EN	2.9	1					2	NG	Be	
P3 Genetics	2034E	EN	3.4		2				2	NG	Be	
P3 Genetics	2039E	EN	3.9			3			2	NG	Be	
P3 Genetics	2131E	EN	3.1		2				2	K	Be	
P3 Genetics	2136E	EN	3.6		2				2	K	Be	
Pioneer	23A15X	RX	2.3	1					2	C	Be	Br
Pioneer	29A25X	RX	2.9	1					2	K	Be	Br
Pioneer	42A96X	RX	4.2				4	5	2	C	Be	Bl
Pioneer	48A60X	RX	4.8				4	5	2		Be	Bl
Pioneer	P25A04X	RX	2.5	1					1	K	Be	Br
Pioneer	P28A42X	EN	2.8	1	2	3			2	K	Be	Br
Pioneer	P28T14E	EN	2.8	1					2	NG	Be	Ib
Pioneer	P30T99E	EN	3.0	1	2	3			2	K	Be	Ib
Pioneer	P31A95BX	RX	3.1		2	3					Be	
Pioneer	P32A87L	LL	3.2		2	3	4		1	K	Be	Br
Pioneer	P33T60	CV	3.3		2	3			2	C	Be	Br
Pioneer	P34A79X	RX	3.4		2	3	4	5	2	K	Be	Ib
Pioneer	P35A41	CV	3.5		2	3			2	C	Be	Br
Pioneer	P36A83X	RX	3.6		2	3			2	A	Be	Bl
Pioneer	P38A49L	LL	3.8		2	3	4	5	2	K	Be	Bl
Pioneer	P39A45X	RX	3.9		2	3				C	Be	
Pioneer	P39T73E	EN	3.9				4	5	2	A	Be	Bu
Pioneer	P41T07E	EN	4.1				4	5	2		Be	Bu
Pioneer	P44A37L	LL	4.4				4	5	2	C	Be	Bl
Pioneer	P45A02X	RX	4.5				4	5	2	K	Be	Bl
Pioneer	P47A12L	LL	4.7				4	5	2	K	Be	Bl
Pioneer	P49T62E	EN	4.9				4	5	2		Be	Ib

2020 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered 1	2	3	4	5	SN	PRR	ST	HC
Public	Dwight	CV	2.9		2	3			2	NG	B	Bl
Public	Jack	CV	2.9		2	3			2	NG	B	Y
Public	Williams 82	CV	3.8			3			S	NG	B	Bl
RENK	RS248NX	RX	2.4	1							B	
RENK	RS250NX	RX	2.5	1							B	
RENK	RS280NX	RX	2.8	1							B	
RENK	RS301NX	RX	3.0		2						B	
RENK	RS357NX	RX	3.5		2						B	
RENK	RS379NSX	RX	3.7			3					B	
Stone Seed	2RX2019	RX	2.0	1					2		Be	BU
Stone Seed	2RX2639	RX	2.6	1					2	C	Be	IB
Stone Seed	2RX2929	RX	2.9	1	2	3			2		Be	IB
Stone Seed	2RX3120	RX	3.1		2				1		Be	IB
Stone Seed	2RX3527	RX	3.5		2	3			2	C	Be	IB
Stone Seed	2RX3628	RX	3.6			3	4	5	2	C	Be	IB
Stone Seed	2RX4029	RX	4.0				4	5	2	C	Be	BL
Stone Seed	2RX4228-SR	RX	4.2					5	2	C	Be	BL
Stone Seed	2RX4339-SR	RX	4.3				4		2	C	Be	BL
Sun Prairie	SP28X7	RX	2.9		2	3			2	C	B	IB
Sun Prairie	SP30RX1	RX	3.0		2	3			2	C	B	BL
Sun Prairie	SP31E31	EN	3.1		2	3			2	C	B	BU
Sun Prairie	SP33E30	EN	3.3			3			2	NG	B	BR
Sun Prairie	SP38E30	EN	3.8			3	4		2	NG	B	BR
Sun Prairie	SP39RX1	RX	3.9			3	4		2	C	B	BL
Viking	3144N	CV	3.1	1	2				2	NG	U	Y
Viking	O.2188AT	CV	2.5	1					2	S	U	Y
Viking	O.2418N	CV	2.4	1					2	C	U	Bl
Viking	O.2702	CV	2.7	1	2				S	S	U	Brre

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

Herbicide Trait- CV = No Trait, EN= 2,4-D, glufosinate and glyphosate, LL = glufosinate,
RF= dicamba, glufosinate and glyphosate, RL= glufosinate and glyphosate,
RR = glyphosate, RX = dicamba and glyphosate, ST= STS, O= Other

2020 Soybean Test Results
Region 1 Early

COMPANY	NAME	Herbicide Trait	ST[1]	Regional Results Yield bu/a	Maturity Date	Lodging 0--5	Height in	Fenton Yield bu/a	Mt. Morris Yield bu/a	DeKalb Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
Early MG: 2.0-2.7												
Asgrow	AG20X9	RX	Be	**74.0**	**9/18**	**2.3**	**36.7**	75.1	78.6	68.3		
Asgrow	AG24X9	RX	Be	**71.6**	**9/22**	**1.7**	**36.1**	70.5	80.2	64.2		
Asgrow	AG26X0	RX	Be	**72.8**	**9/24**	**0.5**	**36.0**	77.2	73.5	67.7	71.7	
Asgrow	AG27X0	RX	Be	**74.9**	**9/25**	**0.5**	**35.7**	78.5	71.6	74.7		
Channel	2418R2X	RX	Be	**74.7**	**9/26**	**1.5**	**35.8**	76.5	79.2	68.5	71.7	72.4
Cornelius	CB24X64	RX	Be	**75.0**	**9/23**	**1.1**	**36.8**	74.3	80.1	70.6	72.3	73.8
Cornelius	CB26X78	RX	Be	**72.9**	**9/25**	**2.1**	**40.9**	78.5	70.9	69.3	71.5	
Cornelius	CB27X81	RX	Be	**72.7**	**9/24**	**0.6**	**39.9**	75.3	71.0	71.9		
Credenz	CZ 2550GTLL	RL	Be	**75.4**	**9/24**	**0.9**	**35.1**	72.8	81.1	72.4		
Credenz	CZ 2760GTLL	RL	Be	**75.6**	**9/26**	**1.3**	**36.2**	82.5	75.4	69.0		
Dairyland Seed	DSR-2112E	EN	Be	**66.7**	**9/20**	**0.6**	**35.3**	65.5	72.5	62.1		
Dairyland Seed	DSR-2424E	EN	Be	**71.2**	**9/24**	**1.0**	**34.9**	71.7	69.2	72.8		
Dairyland Seed	DSR-2590E	EN	Be	**73.6**	**9/24**	**0.9**	**35.2**	77.9	79.2	63.7		
Dairyland Seed	DSR-2640E	EN	Be	**75.4**	**9/24**	**0.9**	**35.1**	81.6	73.9	70.8		
Dairyland Seed	E24-201E	EN	Be	**72.5**	**9/20**	**0.8**	**37.4**	74.2	78.9	64.5		
DeReadt	2321E3	EN	B	**72.6**	**9/22**	**0.6**	**34.8**	72.7	75.9	69.2		
DeReadt	2521E3	EN	B	**73.8**	**9/26**	**1.3**	**38.2**	77.6	74.0	69.9		
DeReadt	2555E3	EN	B	**66.4**	**9/24**	**0.6**	**40.6**	63.8	73.7	61.7		
DeReadt	2621E3	EN	B	**77.0**	**9/25**	**0.8**	**37.3**	85.3	75.1	70.4		
Dyna-Gro	S27EN89	EN	B	**74.2**	**9/27**	**1.0**	**36.0**	73.8	81.0	68.0		
FS HiSOY®	*25E00	EN	B	**77.1**	**9/23**	**1.3**	**37.0**	76.1	84.0	71.2		
FS HiSOY®	24X80	RX	B	**76.7**	**9/22**	**0.0**	**31.6**	86.1	69.2	74.7	71.8	73.5
FS HiSOY®	27X90	RX	B	**74.9**	**9/25**	**0.5**	**33.6**	79.9	75.7	69.1		
GENESIS	G2550E	EN	B	**80.8**	**9/25**	**1.7**	**37.6**	81.8	82.1	78.6		
Illini	2643N	CV	B	**69.4**	**9/23**	**1.2**	**36.7**	71.1	69.8	67.2	70.8	72.1
NuTech	22N02E	EN	B	**76.1**	**9/22**	**1.6**	**34.3**	79.3	76.1	72.8		
NuTech	24N02E	EN	B	**76.1**	**9/23**	**0.6**	**37.1**	75.1	80.9	72.3		
NuTech	26N04E	EN	B	**74.8**	**9/26**	**0.0**	**35.7**	79.8	73.4	71.2		
Pioneer	23A15X	RX	Be	**73.4**	**9/24**	**0.0**	**38.8**	74.7	76.7	68.6	70.4	
Pioneer	P25A04X	RX	Be	**72.1**	**9/22**	**0.0**	**38.4**	63.9	83.8	68.6		
RENK	RS248NX	RX	B	**75.4**	**9/20**	**1.0**	**36.3**	75.6	80.8	69.7	72.6	74.2
RENK	RS250NX	RX	B	**72.8**	**9/23**	**0.1**	**35.9**	82.6	65.9	70.1	71.6	
Stone Seed	2RX2019	RX	Be	**72.1**	**9/24**	**0.0**	**35.1**	74.5	79.5	62.5	72.0	
Stone Seed	2RX2639	RX	Be	**72.3**	**9/22**	**0.3**	**31.2**	79.0	65.9	72.0	70.1	
Viking	O.2188AT	CV	U	**70.9**	**9/22**	**3.1**	**36.4**	70.1	74.9	67.6	66.4	68.6
Viking	O.2418N	CV	U	**74.0**	**9/20**	**1.8**	**34.7**	77.3	75.5	69.3	73.1	73.7
Viking	O.2702	CV	U	**73.0**	**9/26**	**2.0**	**36.6**	75.8	76.7	66.5		
	AVERAGE			**73.7**	**9/23**	**1.0**	**36.2**	76.2	75.9	69.1		
	L.S.D. 25% LEVEL			**4.1**		**0.0**	**1.3**	0.4	3.8	2.8		
	COEFF. OF VAR. (%)			**10.2**		**0.0**	**6.6**	2.0	5.2	4.3		

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

2020 Soybean Test Results
Region 1 Late

COMPANY	NAME	Herbicide Trait	ST[1]	Regional Results Yield bu/a	Maturity Date	Lodging 0--5	Height in	Fenton Yield bu/a	Mt. Morris Yield bu/a	DeKalb Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
Late MG: 2.8-3.5												
Asgrow	AG30X9	RX	Be	**74.9**	**10/1**	**0.2**	**36.1**	79.7	71.0	73.9	72.8	74.8
Blue River	29DC5	CV	U	**67.8**	**10/1**	**2.8**	**35.9**	72.2	59.2	72.1		
Burrus	3082X	RX	B	**72.2**	**10/2**	**0.7**	**37.7**	71.9	72.0	72.8		
Channel	2820R2X	RX	Be	**69.9**	**9/26**	**0.0**	**34.5**	77.9	60.0	71.9		
Cornelius	CB29X33	RX	Be	**70.2**	**10/2**	**1.3**	**36.4**	73.5	67.9	69.3		
Credenz	CZ 2830GTLL	RL	Be	**72.7**	**9/26**	**0.4**	**32.9**	80.5	64.9	72.6		
Credenz	CZ 3099GTLL	RL	Be	**73.7**	**10/5**	**1.5**	**37.8**	76.9	76.6	67.8		
Credenz	CZ 3309 GTLL	RL	Be	**70.2**	**10/6**	**1.3**	**39.6**	82.2	61.5	67.0	72.2	
Credenz	CZ 3519 GTLL	RL	Be	**67.1**	**10/5**	**2.3**	**39.6**	72.2	68.0	61.3		
Dairyland Seed	DSR-2999E	EN	Be	**67.9**	**9/29**	**0.2**	**33.5**	76.4	65.0	62.2		
Dairyland Seed	DSR-3256E	EN	Be	**76.5**	**10/3**	**0.8**	**35.3**	78.5	74.3	76.8		
Dairyland Seed	DSR-3365E	EN	Be	**73.0**	**10/3**	**1.4**	**36.1**	76.9	68.7	73.3		
DONMARIO	DM 28J9X	RX	B	**67.4**	**9/27**	**0.0**	**37.4**	70.6	61.7	69.7	69.8	
DONMARIO	DM 34X16	RX	B	**66.8**	**10/4**	**0.4**	**38.3**	68.2	67.3	65.0		
Dyna-Gro	S28XT58	RX	B	**67.8**	**9/29**	**0.3**	**36.9**	72.1	62.7	68.5	72.0	74.8
Dyna-Gro	S30EN70	EN	B	**70.6**	**9/29**	**0.0**	**35.4**	70.3	75.6	66.0		
FS HiSOY®	*28E90	EN	B	**72.3**	**10/2**	**0.7**	**34.8**	80.8	69.7	66.4		
FS HiSOY®	*31E90	EN	B	**74.1**	**9/29**	**0.6**	**34.7**	76.4	80.3	65.5		
FS HiSOY®	28B00	RL	B	**80.0**	**10/1**	**0.1**	**33.4**	83.9	79.7	76.4		
FS HiSOY®	28X70	RX	B	**68.8**	**9/27**	**0.1**	**37.0**	72.0	59.0	75.5	69.8	73.4
FS HiSOY®	30X00	RX	B	**72.9**	**10/2**	**1.0**	**36.7**	74.9	73.8	70.1		
FS HiSOY®	31B00	RL	B	**73.6**	**10/3**	**0.4**	**34.9**	80.1	71.3	69.6		
GENESIS	G2840E	EN	B	**72.1**	**9/27**	**1.1**	**34.0**	75.7	73.8	66.8	73.5	
NuTech	28N02E	EN	B	**75.4**	**9/28**	**0.6**	**32.5**	82.0	74.7	69.4		
NuTech	30N03E	EN	B	**70.6**	**9/28**	**0.5**	**33.2**	73.0	74.8	64.0		
NuTech	30N05E	EN	B	**70.2**	**10/3**	**1.3**	**35.3**	75.5	69.9	65.3		
NuTech	31N06E	EN	B	**73.8**	**10/3**	**1.3**	**34.5**	75.1	74.0	72.1		
P3 Genetics	1928E	EN	Be	**72.2**	**9/28**	**1.4**	**32.1**	77.5	69.1	69.9		
P3 Genetics	2029E	EN	Be	**68.2**	**10/1**	**0.1**	**35.9**	75.9	63.1	65.8	69.5	
Pioneer	29A25X	RX	Be	**68.4**	**9/29**	**1.0**	**37.3**	67.9	68.3	68.9	69.5	
Pioneer	P28A42X	EN	Be	**79.4**	**9/27**	**0.7**	**37.7**	77.8	84.9	75.5		
Pioneer	P28T14E	EN	Be	**69.1**	**9/28**	**0.5**	**33.8**	76.4	61.0	70.0		
Pioneer	P30T99E	EN	Be	**71.1**	**10/3**	**0.6**	**35.7**	77.3	75.9	60.1		
RENK	RS280NX	RX	B	**72.5**	**9/30**	**0.3**	**32.4**	75.3	75.9	66.2	72.1	
Stone Seed	2RX2929	RX	Be	**75.0**	**10/1**	**0.6**	**38.9**	81.7	70.3	73.0	74.9	75.4
Viking	3144N	CV	U	**61.2**	**10/3**	**0.7**	**34.9**	63.6	59.4	60.5	62.0	
	AVERAGE			**71.4**	**9/30**	**0.8**	**35.6**	75.6	69.6	68.9		
	L.S.D. 25% LEVEL			**4.3**		**0.0**	**1.2**	3.4	3.8	3.4		
	COEFF. OF VAR. (%)			**11.1**		**0.0**	**6.1**	4.8	5.8	5.2		

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

2020 Soybean Test Results
Region 2 Early

COMPANY	NAME	Herbicide Trait	ST[1]	Regional Results[2] Yield bu/a	Maturity Date	Lodging 0--5	Height in	Monmouth Yield bu/a	Goodfield Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
Early MG: 2.5-3.1											
Asgrow	AG26X0	RX	Be	**73.9**	**9/19**	**0.0**	**37.2**	80.5	67.3		
Asgrow	AG27X0	RX	Be	**75.1**	**9/20**	**0.0**	**38.0**	81.1	69.1	72.517	
Asgrow	AG30X9	RX	Be	**80.3**	**9/25**	**0.0**	**42.8**	84.3	76.3	73.5	73.9
Channel	2918R2X	RX	Be	**73.9**	**9/24**	**0.0**	**40.0**	81.3	66.5	71.6	72.8
Cornelius	CB30X09	RX	Be	**76.9**	**9/28**	**1.3**	**42.0**	85.9	67.9	74.6	
Credenz	CZ 2760GTLL	RL	Be	**72.1**	**9/21**	**0.3**	**37.0**	79.8	64.4		
Credenz	CZ 2830GTLL	RL	Be	**75.1**	**9/24**	**0.0**	**35.8**	82.3	67.9		
Credenz	CZ 3099GTLL	RL	Be	**75.1**	**9/26**	**1.0**	**39.2**	84.1	66.0		
Dyna-Gro	S28XT58	RX	B	**73.0**	**9/21**	**0.0**	**41.7**	82.4	63.6	70.6	72.6
Dyna-Gro	S30EN70	EN	B	**70.5**	**9/24**	**0.2**	**38.7**	79.2	61.8		
FS HiSOY®	*25E00	EN	B	**74.4**	**9/16**	**0.2**	**39.5**	80.8	68.1		
FS HiSOY®	*28E90	EN	B	**72.4**	**9/25**	**0.0**	**37.8**	75.2	69.6		
FS HiSOY®	*31E90	EN	B	**73.6**	**9/23**	**0.0**	**38.7**	78.4	68.7	71.4	
FS HiSOY®	27X90	RX	B	**74.2**	**9/21**	**0.0**	**36.0**	80.6	67.8	73.4	
FS HiSOY®	28B00	RL	B	**79.1**	**9/24**	**0.0**	**36.7**	85.8	72.4		
FS HiSOY®	28X70	RX	B	**75.0**	**9/20**	**0.0**	**41.0**	80.3	69.7	70.3	72.6
FS HiSOY®	30X00	RX	B	**73.7**	**9/22**	**0.5**	**41.3**	80.4	67.0		
FS HiSOY®	31B00	RL	B	**75.1**	**9/23**	**0.0**	**38.7**	85.9	64.3		
GENESIS	G3040E	EN	B	**75.4**	**9/25**	**0.3**	**38.3**	81.0	69.8		
Illini	2643N	CV	B	**67.0**	**9/14**	**1.2**	**38.2**	71.4	62.6	63.1	66.5
Illini	2904N	CV	B	**74.3**	**9/24**	**1.3**	**36.7**	81.1	67.5	69.7	72.5
Illini	3156N	CV	B	**68.7**	**9/24**	**1.3**	**37.7**	76.7	60.7	67.1	
Monier	M3057RX	RX	Be	**77.4**	**9/26**	**0.7**	**40.7**	84.9	69.9		
Monier	ME2585	EN	Be	**73.8**	**9/21**	**0.8**	**37.7**	84.0	63.5		
Monier	ME2885	EN	Be	**75.0**	**9/20**	**0.7**	**35.5**	84.8	65.1		
NuTech	28N02E	EN	B	**75.1**	**9/21**	**0.0**	**35.5**	80.4	69.9		
NuTech	30N03E	EN	B	**70.1**	**9/25**	**0.0**	**37.8**	76.5	63.8		
NuTech	30N05E	EN	B	**72.7**	**9/26**	**0.2**	**38.3**	81.4	64.1		
NuTech	31N06E	EN	B	**78.6**	**9/28**	**1.2**	**37.5**	89.5	67.8		
P3 Genetics	2131E	EN	Be	**76.7**	**9/25**	**0.8**	**37.3**	85.9	67.5		
Pioneer	P28A42X	EN	Be	**78.0**	**9/16**	**0.0**	**39.8**	83.0	72.9		
Pioneer	P30T99E	EN	Be	**74.0**	**9/25**	**0.0**	**40.3**	78.0	70.0		
Pioneer	P31A95BX	RX	Be	**77.8**	**9/26**	**0.5**	**41.7**	87.1	68.6		
Public	Dwight	CV	B	**51.4**	**9/15**	**2.2**	**40.7**	57.5	45.3	52.7	56.7
Public	Jack	CV	B	**49.6**	**9/23**	**3.0**	**45.8**	55.3	43.9	50.7	55.4
RENK	RS301NX	RX	B	**72.6**	**9/23**	**0.0**	**39.3**	81.2	64.0		
Stone Seed	2RX2929	RX	Be	**77.0**	**9/24**	**0.0**	**42.8**	84.8	69.2	74.9	74.1
Stone Seed	2RX3120	RX	Be	**78.8**	**9/28**	**0.0**	**39.8**	90.0	67.6	76.2	
Sun Prairie	SP28X7	RX	B	**72.3**	**9/22**	**0.0**	**39.7**	76.6	67.9		
Sun Prairie	SP30RX1	RX	B	**71.1**	**9/24**	**0.5**	**39.3**	80.3	61.9		
Sun Prairie	SP31E31	EN	B	**76.0**	**9/27**	**0.0**	**35.7**	84.2	67.9		
Viking	3144N	CV	U	**61.9**	**9/25**	**0.0**	**37.3**	69.3	54.6	62.7	
Viking	O.2702	CV	U	**69.9**	**9/24**	**1.3**	**39.7**	79.7	60.1		
	AVERAGE			**73.4**	**9/23**	**0.6**	**38.8**	81.0	65.9		
	L.S.D. 25% LEVEL			**3.5**		**0.0**	**1.1**	3.2	2.9		
	COEFF. OF VAR. (%)			**7.2**		**0.0**	**4.2**	4.1	4.6		

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

[2]The Dwight location was not harvested due to a herbicde application error.

2020 Soybean Test Results
Region 2 Late

COMPANY	NAME	Herbicide Trait	ST[1]	Regional Results[2] Yield bu/a	Maturity Date	Lodging 0--5	Height in	Monmouth Yield bu/a	Goodfield Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
Late MG: 3.2-4.1											
Asgrow	AG33X0	RX	Be	**77.0**	**9/28**	**0.0**	**43.3**	85.0	68.9	73.8	
Asgrow	AG34X6	RX	Be	**73.0**	**9/27**	**0.0**	**42.3**	78.3	67.7		
Asgrow	AG36X6	RX	Be	**76.6**	**10/1**	**0.3**	**39.3**	83.5	69.7	73.6	76.8
Blue River	32DC8	CV	U	**70.1**	**9/24**	**0.0**	**38.8**	77.2	62.9		
Blue River	34A7	CV	U	**60.9**	**9/27**	**0.8**	**40.3**	71.0	50.8		
Blue River	35DC2	CV	U	**66.0**	**9/26**	**0.7**	**41.2**	72.8	59.3		
Burrus	3798X	RX	B	**76.0**	**10/1**	**0.0**	**46.8**	81.9	70.0		
Burrus	3803E	EN	B	**70.9**	**10/2**	**0.0**	**39.8**	76.3	65.5		
Channel	3220R2X	RX	Be	**73.8**	**9/27**	**0.0**	**39.8**	81.2	66.3	70.5	
Channel	3519R2X	RX	Be	**72.3**	**9/27**	**0.0**	**43.3**	78.2	66.5	70.2	73.0
Cornelius	CB33X17	RX	Be	**75.5**	**9/28**	**0.0**	**40.3**	82.3	68.6	72.5	
Cornelius	CB36X22	RX	Be	**74.2**	**9/30**	**0.0**	**36.2**	83.8	64.6		
Credenz	CZ 3309 GTLL	RL	Be	**82.6**	**9/28**	**0.2**	**42.0**	87.4	77.7	74.4	
Credenz	CZ 3519 GTLL	RL	Be	**67.0**	**9/30**	**1.3**	**41.7**	76.3	57.7	68.1	
Credenz	CZ 3750GTLL	RL	Be	**72.9**	**9/30**	**0.0**	**39.0**	77.5	68.3		
DONMARIO	DM 34X16	RX	B	**72.1**	**9/28**	**0.0**	**40.5**	73.5	70.7	70.2	
Dyna-Gro	S35EN99	EN	B	**78.2**	**9/25**	**0.0**	**40.7**	82.9	73.4	74.8	
Dyna-Gro	S3681STS	ST	B	**70.8**	**9/30**	**0.0**	**38.7**	78.3	63.3		
Dyna-Gro	S36ES70	ES	B	**72.4**	**10/1**	**0.2**	**43.0**	78.7	66.1		
Dyna-Gro	S36XT91	RX	B	**77.2**	**10/2**	**0.0**	**37.2**	83.1	71.4		
FS HiSOY®	*32E00	EN	B	**70.5**	**9/28**	**0.4**	**36.8**	73.0	68.0		
FS HiSOY®	32C80	CV	B	**77.1**	**9/25**	**0.0**	**39.0**	85.3	69.0	72.0	
FS HiSOY®	32X90	RX	B	**77.3**	**9/29**	**0.0**	**42.3**	80.7	73.9	72.9	
GENESIS	G3350E	EN	B	**73.0**	**9/27**	**1.0**	**38.7**	78.7	67.4		
Illini	3025N	CV	B	**70.2**	**9/23**	**0.0**	**35.5**	76.0	64.5		
Illini	3267N	CV	B	**68.8**	**9/22**	**0.5**	**38.2**	75.4	62.2	65.0	
Illini	3317N	CV	B	**66.1**	**9/26**	**1.3**	**39.8**	74.0	58.3		
Monier	M3357RX	RX	Be	**74.7**	**9/26**	**0.0**	**38.8**	81.6	67.7	71.1	
Monier	ME3385	EN	Be	**71.6**	**9/28**	**0.8**	**36.8**	78.0	65.1		
Monier	ME3585	EN	Be	**77.8**	**9/29**	**0.3**	**39.3**	82.9	72.6		
NuTech	34N06E	EN	B	**74.0**	**10/2**	**0.2**	**38.7**	84.0	64.0		
NuTech	35N03E	EN	B	**79.9**	**9/30**	**0.0**	**39.0**	81.5	78.4		
NuTech	36N03E	EN	B	**74.1**	**9/30**	**0.0**	**35.7**	77.4	70.9		
NuTech	39N04E	EN	B	**73.5**	**10/3**	**0.0**	**36.8**	78.3	68.8		
NuTech	39N05E	EN	B	**70.6**	**10/3**	**0.2**	**37.2**	73.9	67.4		
NuTech	41N03E	EN	B	**56.5**	**10/6**	**0.0**	**41.0**	60.1	52.9		
P3 Genetics	2034E	EN	Be	**77.8**	**9/28**	**0.0**	**38.2**	82.9	72.8	75.6	
P3 Genetics	2136E	EN	Be	**78.9**	**9/29**	**0.0**	**37.8**	83.9	73.9		
Pioneer	P32A87L	LL	Be	**71.3**	**9/26**	**0.7**	**41.8**	78.7	63.8		
Pioneer	P33T60	CV	Be	**66.4**	**9/24**	**0.0**	**42.0**	71.7	61.2	66.0	
Pioneer	P34A79X	RX	Be	**75.8**	**9/27**	**0.0**	**40.5**	77.2	74.3		
Pioneer	P35A41	CV	Be	**72.3**	**9/27**	**0.4**	**40.5**	79.9	64.8	70.0	
Pioneer	P36A83X	RX	Be	**72.6**	**9/29**	**0.0**	**40.5**	80.0	65.2		
Pioneer	P38A49L	LL	Be	**73.9**	**9/29**	**0.0**	**42.5**	81.0	66.8		
Pioneer	P39A45X	RX	Be	**72.6**	**10/4**	**0.5**	**41.3**	78.0	67.2		
RENK	RS357NX	RX	B	**76.5**	**9/28**	**0.0**	**39.2**	82.0	71.0	73.0	76.4
Stone Seed	2RX3527	RX	Be	**77.7**	**9/28**	**0.0**	**37.3**	82.7	72.8	72.1	
	AVERAGE			**73.4**	**9/28**	**0.3**	**39.3**	79.3	67.5		
	L.S.D. 25% LEVEL			**3.9**		**0.0**	**1.6**	3.3	3.1		
	COEFF. OF VAR. (%)			**8.0**		**0.0**	**6.2**	4.4	4.8		

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

[2]The Dwight location was not harvested due to a herbicde application error.

2020 Soybean Test Results
Region 3 Early

COMPANY	NAME	Herbicide Trait	ST[1]	Regional Results[2] Yield bu/a	Maturity Date	Lodging 0--5	Height in	Perry Yield bu/a	New Berlin Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
Early MG: 2.7-3.5											
Asgrow	AG33X0	RX	Be	**83.6**	**9/27**	**0.5**	**44.5**	78.2	89.0	79.9	
Asgrow	AG34X6	RX	Be	**80.3**	**9/25**	**0.0**	**46.5**	74.9	85.6		
Blue River	32DC8	CV	U	**79.3**	**9/20**	**0.3**	**40.7**	73.0	85.7		
Blue River	34A7	CV	U	**76.6**	**9/26**	**2.2**	**43.8**	68.5	84.7		
Blue River	35DC2	CV	U	**77.4**	**9/24**	**1.5**	**40.8**	66.3	88.6		
Channel	3220R2X	RX	Be	**80.3**	**9/23**	**0.0**	**40.3**	78.2	82.5		
Channel	3519R2X	RX	Be	**80.0**	**9/26**	**0.0**	**44.2**	77.1	82.8	76.1	77.5
Credenz	CZ 2760GTLL	RL	Be	**74.8**	**9/18**	**0.0**	**37.5**	66.6	83.1		
Credenz	CZ 2830GTLL	RL	Be	**76.0**	**9/20**	**0.4**	**37.0**	65.8	86.2		
Credenz	CZ 3099GTLL	RL	Be	**78.8**	**9/24**	**0.5**	**41.8**	70.5	87.2		
Credenz	CZ 3309 GTLL	RL	Be	**83.2**	**9/28**	**0.0**	**43.7**	76.4	90.0	80.4	
Credenz	CZ 3519 GTLL	RL	Be	**78.0**	**9/27**	**0.8**	**42.2**	70.8	85.2	77.2	
Dyna-Gro	S32EN01	EN	B	**84.2**	**9/27**	**0.8**	**40.0**	79.9	88.5		
Dyna-Gro	S35EN99	EN	B	**85.7**	**9/26**	**0.0**	**40.8**	77.2	94.3	79.9	
FS HiSOY®	*32E00	EN	B	**82.9**	**9/30**	**0.9**	**39.3**	77.1	88.7		
FS HiSOY®	*34E80	EN	B	**84.2**	**9/28**	**0.0**	**40.3**	74.9	93.5	79.7	
FS HiSOY®	32C80	CV	B	**76.5**	**9/22**	**0.7**	**40.0**	70.0	83.0	74.1	
FS HiSOY®	32X90	RX	B	**84.1**	**9/26**	**0.3**	**44.2**	78.7	89.6	79.8	
FS HiSOY®	34C80	CV	B	**80.1**	**9/26**	**1.5**	**41.7**	73.9	86.4	74.9	77.3
FS HiSOY®	35B00	RL	B	**83.3**	**10/1**	**1.2**	**42.3**	77.0	89.7		
FS HiSOY®	35X00	RX	B	**86.2**	**9/30**	**0.8**	**38.7**	82.6	89.7		
Illini	2904N	CV	B	**76.9**	**9/21**	**3.1**	**38.3**	69.4	84.4	75.4	76.9
Illini	3025N	CV	B	**77.0**	**9/24**	**2.1**	**36.8**	68.1	86.0	75.1	76.5
Illini	3156N	CV	B	**74.9**	**9/25**	**2.0**	**39.0**	63.2	86.6	74.3	
Illini	3264N	CV	B	**73.7**	**9/20**	**0.0**	**35.3**	66.4	81.1	70.5	75.0
Illini	3267N	CV	B	**73.5**	**9/23**	**2.0**	**39.8**	61.5	85.5	74.2	
Illini	3317N	CV	B	**78.4**	**9/26**	**1.6**	**41.7**	71.6	85.3		
Illini	3546N	CV	B	**74.7**	**9/23**	**0.0**	**37.2**	72.1	77.4	74.3	78.3
Martin	M33A-X	RX	B	**82.5**	**9/21**	**0.7**	**41.2**	76.3	88.6	77.8	
Martin	M33E	EN	B	**84.2**	**9/26**	**0.0**	**38.7**	76.6	91.7		
NuTech	30N05E	EN	B	**76.5**	**9/20**	**0.0**	**39.3**	69.3	83.7		
NuTech	31N06E	EN	B	**82.2**	**9/24**	**0.0**	**37.7**	75.2	89.2		
NuTech	34N06E	EN	B	**82.8**	**10/1**	**0.0**	**42.8**	73.8	91.7		
NuTech	35N03E	EN	B	**85.3**	**9/29**	**0.6**	**40.7**	80.9	89.8		
Pioneer	P28A42X	EN	Be	**73.3**	**9/19**	**1.5**	**41.8**	69.8	76.7		
Pioneer	P30T99E	EN	Be	**77.4**	**9/26**	**0.5**	**38.5**	71.1	83.8		
Pioneer	P31A95BX	RX	Be	**84.7**	**9/23**	**1.2**	**42.7**	78.5	90.9		
Pioneer	P32A87L	LL	Be	**77.6**	**9/26**	**2.4**	**43.3**	66.9	88.2		
Pioneer	P33T60	CV	Be	**81.0**	**9/24**	**0.8**	**44.3**	75.4	86.6	77.0	
Pioneer	P34A79X	RX	Be	**84.9**	**9/24**	**0.0**	**41.5**	77.9	92.0		
Pioneer	P35A41	CV	Be	**79.4**	**9/24**	**1.7**	**41.0**	70.4	88.4	75.7	
Public	Dwight	CV	B	**62.8**	**9/20**	**2.9**	**41.8**	55.0	70.7	61.6	64.2
Public	Jack	CV	B	**64.0**	**9/17**	**3.4**	**48.2**	56.0	71.9	61.3	63.3
Stone Seed	2RX2929	RX	Be	**78.4**	**9/19**	**0.0**	**42.8**	72.9	83.9	76.4	
Stone Seed	2RX3527	RX	Be	**85.0**	**9/25**	**0.0**	**40.5**	79.5	90.5	79.4	
Sun Prairie	SP28X7	RX	B	**75.9**	**9/21**	**0.7**	**42.7**	68.9	83.0		
Sun Prairie	SP30RX1	RX	B	**77.1**	**9/19**	**1.2**	**39.3**	68.4	85.7		
Sun Prairie	SP31E31	EN	B	**82.3**	**9/22**	**0.0**	**36.2**	73.9	90.6		
Sun Prairie	SP33E30	EN	B	**84.7**	**9/26**	**0.6**	**37.5**	77.2	92.1		
	AVERAGE			**79.9**	**9/24**	**1.0**	**41.1**	72.8	86.9		
	L.S.D. 25% LEVEL			**3.5**		**0.0**	**1.5**	2.5	3.5		
	COEFF. OF VAR. (%)			**6.5**		**0.0**	**5.3**	3.6	4.2		

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

[2] The Urbana trial was not included due to unacceptable levels of variation due to hail and water damage.

2020 Soybean Test Results
Region 3 Late

COMPANY	NAME	Herbicide Trait	ST[1]	Regional Results[2] Yield bu/a	Maturity Date	Lodging 0--5	Height in	Perry Yield bu/a	New Berlin Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
Late MG: 3.6-4.2											
Asgrow	AG36X6	RX	Be	**84.7**	**9/28**	**1.1**	**40.8**	83.0	86.5	78.5	80.3
Asgrow	AG37X0	RX	Be	**84.0**	**9/30**	**0.3**	**45.8**	82.0	86.1	78.7	
Asgrow	AG39X0	RX	Be	**81.3**	**10/1**	**1.3**	**47.7**	81.3	81.3	77.7	
Asgrow	AG39X7	RX	Be	**84.2**	**10/1**	**0.7**	**47.2**	83.0	85.4	80.2	81.3
Burrus	3798X	RX	B	**84.2**	**10/1**	**1.7**	**49.2**	81.0	87.3		
Burrus	3803E	EN	B	**81.5**	**10/5**	**1.2**	**42.7**	77.0	85.9		
Channel	3718R2X	RX	Be	**82.0**	**10/1**	**0.0**	**40.0**	80.5	83.5	78.3	79.4
Cornelius	CB38X89	RX	Be	**83.3**	**9/30**	**1.9**	**48.7**	79.0	87.7	78.5	
Credenz	CZ 3750GTLL	RL	Be	**82.4**	**9/30**	**0.0**	**39.3**	78.4	86.3		
Credenz	CZ 3840GTLL	RL	Be	**82.1**	**10/5**	**0.0**	**45.0**	77.6	86.5		
DONMARIO	DM 3756E	EN	B	**79.9**	**10/1**	**1.1**	**41.2**	76.5	83.2	78.6	
DONMARIO	DM 37C2S	CV	B	**78.1**	**10/2**	**1.3**	**42.2**	73.8	82.5	74.0	
DONMARIO	DM 3932E	EN	B	**80.1**	**10/2**	**1.7**	**41.5**	76.6	83.6	79.3	
DONMARIO	DM 41C51	CV	B	**83.1**	**10/5**	**2.4**	**41.7**	80.8	85.3		
Dyna-Gro	S3681STS	ST	B	**80.9**	**9/26**	**0.0**	**41.5**	78.3	83.5		
Dyna-Gro	S36ES70	ES	B	**81.6**	**9/28**	**1.2**	**44.8**	79.3	83.8		
Dyna-Gro	S36XT91	RX	B	**80.4**	**10/1**	**0.0**	**38.2**	80.0	80.9		
Dyna-Gro	S37EN39	EN	B	**83.4**	**10/1**	**0.0**	**39.3**	79.7	87.1	80.2	
Dyna-Gro	S37XS89	XS	B	**81.5**	**10/2**	**1.8**	**48.2**	76.0	87.0	78.8	81.7
FS HiSOY®	*38E90	EN	B	**80.7**	**9/30**	**1.8**	**45.0**	73.3	88.0		
FS HiSOY®	*39E00	EN	B	**85.7**	**10/5**	**0.8**	**36.8**	83.8	87.6		
FS HiSOY®	38B00	RL	B	**80.8**	**10/5**	**0.0**	**44.3**	74.3	87.3		
FS HiSOY®	38X00	RX	B	**83.6**	**9/29**	**1.4**	**48.7**	78.9	88.2		
FS HiSOY®	38X70	RX	B	**85.4**	**10/1**	**2.2**	**46.2**	80.4	90.4	80.7	81.8
FS HiSOY®	39C00	CV	B	**79.3**	**10/4**	**1.1**	**42.5**	76.7	82.0		
GENESIS	G4350E	RF	B	**79.5**	**10/3**	**1.5**	**43.5**	75.6	83.3		
Illini	3648N	CV	B	**79.3**	**9/25**	**0.0**	**37.0**	77.9	80.7	77.9	81.0
Illini	3855N	CV	B	**77.3**	**9/26**	**1.1**	**36.5**	73.8	80.9	76.2	
Illini	3989N	CV	B	**76.7**	**10/2**	**2.7**	**44.5**	71.8	81.7		
NuTech	36N03E	EN	B	**80.5**	**9/30**	**1.2**	**38.0**	73.6	87.3		
NuTech	39N04E	EN	B	**82.9**	**9/29**	**0.9**	**39.2**	82.1	83.7		
NuTech	39N05E	EN	B	**82.9**	**10/3**	**0.3**	**38.2**	76.4	89.4		
NuTech	41N03E	EN	B	**75.9**	**10/7**	**0.0**	**43.3**	73.9	77.9		
NuTech	43N04E	EN	B	**81.2**	**10/6**	**1.7**	**43.5**	77.9	84.4		
P3 Genetics	2039E	EN	Be	**81.8**	**10/3**	**1.4**	**41.5**	77.8	85.7	78.1	
Pioneer	P36A83X	RX	Be	**81.3**	**9/26**	**1.2**	**43.0**	78.9	83.6		
Pioneer	P38A49L	LL	Be	**78.3**	**9/27**	**0.0**	**43.5**	72.4	84.2		
Pioneer	P39A45X	RX	Be	**84.2**	**10/3**	**0.0**	**43.2**	80.4	88.0		
Public	Williams 82	CV	B	**58.5**	**9/30**	**2.6**	**49.0**	58.2	58.8	56.5	55.0
RENK	RS379NSX	RX	B	**90.8**	**10/1**	**2.2**	**47.0**	87.5	94.1		
Stone Seed	2RX3628	RX	Be	**82.1**	**9/27**	**1.2**	**39.8**	79.2	85.0	78.5	80.5
Sun Prairie	SP38E30	EN	B	**80.8**	**10/4**	**0.6**	**42.3**	76.6	85.1		
Sun Prairie	SP39RX1	RX	B	**80.0**	**10/5**	**1.6**	**48.8**	75.9	84.1		
	AVERAGE			**81.2**	**10/1**	**1.3**	**43.3**	77.8	84.7		
	L.S.D. 25% LEVEL			**2.9**		**0.0**	**1.7**	3.2	3.5		
	COEFF. OF VAR. (%)			**5.4**		**0.0**	**5.9**	4.3	4.4		

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

[2] The Urbana trial was not included due to unacceptable levels of variation due to hail and water damage.

2020 Soybean Test Results
Region 4 Early

COMPANY	NAME	Herbicide Trait	ST[1]	Belleville Results[2] Yield bu/a	Maturity Date	Lodging 0--5	Height in	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
Early MG: 3.2-3.9									
AgVenture	37V4LL	LL	B	**76.5**	**10/2**	**0.6**	**39.7**		
AgVenture	39V7E	EN	B	**70.4**	**10/6**	**0.3**	**36.0**		
AgVenture	39V8LL	EN	B	**71.8**	**10/6**	**0.3**	**41.0**		
Asgrow	AG33X0	RX	Be	**74.2**	**10/5**	**0.6**	**41.0**	75.2	
Asgrow	AG34X6	RX	Be	**70.0**	**10/4**	**0.3**	**38.7**		
Asgrow	AG36X6	RX	Be	**77.9**	**10/4**	**0.3**	**37.0**	78.5	76.3
Asgrow	AG37X0	RX	Be	**74.2**	**10/2**	**0.4**	**39.0**		
Asgrow	AG39X0	RX	Be	**74.3**	**10/6**	**1.3**	**42.3**		
Asgrow	AG39X7	RX	Be	**76.6**	**10/3**	**1.3**	**40.3**	75.4	74.5
Baker	3782NRXSTS	RX	F	**69.7**	**10/3**	**1.6**	**39.7**	70.4	70.8
BIOGENE	BG9371E3	ES	Be	**76.4**	**10/6**	**1.0**	**41.0**		
Channel	3718R2X	RX	Be	**82.4**	**10/2**	**0.3**	**35.7**	77.9	77.1
Credenz	CZ 3309 GTLL	RL	Be	**69.1**	**10/6**	**1.3**	**37.0**	68.0	
Credenz	CZ 3519 GTLL	RL	Be	**71.9**	**10/2**	**2.4**	**39.0**	69.6	
Credenz	CZ 3750GTLL	RL	Be	**70.1**	**10/5**	**0.6**	**34.3**		
Credenz	CZ 3840GTLL	RL	Be	**69.0**	**10/7**	**0.7**	**41.7**		
Credenz	CZ 3930GTLL	RL	Be	**70.3**	**10/7**	**1.6**	**37.0**		
DONMARIO	DM 3756E	EN	B	**73.4**	**10/6**	**0.0**	**37.3**	75.3	
DONMARIO	DM 37C2S	CV	B	**72.9**	**10/4**	**0.6**	**35.3**	72.8	
DONMARIO	DM 3932E	EN	B	**76.7**	**10/3**	**0.3**	**36.0**	79.0	
Dyna-Gro	S37EN39	EN	B	**74.3**	**10/1**	**0.3**	**33.7**	74.4	
Dyna-Gro	S37XS89	XS	B	**77.4**	**10/4**	**1.7**	**41.7**	76.4	77.2
Dyna-Gro	S38XS21	XS	B	**81.9**	**10/7**	**1.7**	**44.7**		
Dyna-Gro	S3961STS	ST	B	**73.3**	**10/6**	**0.4**	**38.0**		
Dyna-Gro	S39EN19	EN	B	**72.6**	**10/7**	**0.3**	**36.0**	75.0	
FS HiSOY®	*38E90	EN	B	**71.6**	**10/3**	**0.0**	**38.7**		
FS HiSOY®	*39E00	EN	B	**68.7**	**10/5**	**0.7**	**33.7**		
FS HiSOY®	38B00	RL	B	**73.4**	**10/5**	**0.7**	**38.7**		
FS HiSOY®	38X00	RX	B	**75.1**	**10/5**	**0.7**	**46.3**		
FS HiSOY®	39C00	CV	B	**71.1**	**10/5**	**0.0**	**40.3**		
Go Soy	383E21S	EN	B	**76.2**	**10/4**	**0.7**	**35.7**		
Hoffman	H393N	CV	B	**70.7**	**10/4**	**1.0**	**38.7**	71.1	71.2
Hoffman	H399N	CV	B	**65.9**	**10/6**	**0.7**	**39.3**	66.7	
Hoffman	H39E21	EN	B	**69.9**	**10/6**	**0.0**	**38.7**		
Illini	3546N	CV	B	**65.6**	**10/4**	**0.6**	**34.7**	65.3	69.0
Illini	3648N	CV	B	**68.2**	**10/1**	**0.0**	**33.7**	68.7	71.1
Illini	3849N	CV	B	**71.9**	**10/2**	**1.7**	**33.7**	73.8	73.3
Illini	3855N	CV	B	**70.1**	**10/4**	**0.4**	**32.3**	68.0	70.8
Illini	3989N	CV	B	**75.0**	**10/6**	**1.0**	**38.7**		
NuTech	34N06E	EN	B	**74.8**	**10/3**	**1.0**	**41.7**		
NuTech	35N03E	EN	B	**66.2**	**10/3**	**0.7**	**36.0**		
NuTech	36N03E	EN	B	**59.6**	**10/4**	**1.1**	**33.3**		
NuTech	39N04E	EN	B	**75.2**	**10/5**	**0.0**	**34.7**		
NuTech	39N05E	EN	B	**65.2**	**10/7**	**0.1**	**35.3**		
Pioneer	P32A87L	LL	Be	**74.2**	**10/2**	**2.3**	**41.7**		
Pioneer	P34A79X	RX	Be	**74.8**	**10/3**	**1.0**	**36.0**		
Pioneer	P38A49L	LL	Be	**74.0**	**10/4**	**0.0**	**38.3**		
Pioneer	P39T73E	EN	Be	**60.8**	**10/5**	**1.3**	**38.0**		
Stone Seed	2RX3628	RX	Be	**72.2**	**10/2**	**0.4**	**36.3**	74.0	74.0
Sun Prairie	SP38E30	EN	B	**77.0**	**10/5**	**0.0**	**37.7**		
Sun Prairie	SP39RX1	RX	B	**75.4**	**10/4**	**1.3**	**42.3**		
	AVERAGE			**72.4**	**10/4**	**0.7**	**38.0**		
	L.S.D. 25% LEVEL			**3.8**			**1.4**		
	COEFF. OF VAR. (%)			**5.5**			**3.8**		

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

[2]The St. Peter trial was not included due to high levels of variation due to wet soils early followed by droughty conditions during pod fill.

2020 Soybean Test Results
Region 4 Late

COMPANY	NAME	Herbicide Trait	ST[1]	Belleville Results[2] Yield bu/a	Maturity Date	Lodging 0--5	Height in	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a 2 yr
Late MG: 4.0-4.8									
AGS	GS42X19S	RS	B	**78.0**	**10/4**	**1.0**	**43.3**	75.6	
AgVenture	40V7E	EN	B	**72.4**	**10/3**	**0.7**	**41.3**		
AgVenture	43V6E	EN	B	**76.2**	**10/3**	**2.1**	**40.7**		
AgVenture	43V8LL	LL	B	**80.2**	**10/3**	**0.6**	**45.0**		
AgVenture	45V8E	EN	B	**73.2**	**10/9**	**0.9**	**41.3**		
AgVenture	47V4LL	LL	B	**79.3**	**10/4**	**1.1**	**44.7**		
Arkansas	R16-259	CV	B	**65.0**	**10/5**	**2.0**	**41.7**		
BIOGENE	BG9420E3	EN	Be	**69.4**	**10/4**	**2.1**	**41.3**		
Blue River	41DC8	CV	U	**70.3**	**10/7**	**1.0**	**43.0**		
Channel	4018R2X	RX	Be	**73.6**	**10/6**	**0.3**	**45.0**		
Channel	4218R2X/SR	RS	Be	**76.2**	**10/5**	**1.3**	**43.7**		
DONMARIO	DM 41C51	CV	B	**81.1**	**10/5**	**0.9**	**41.0**		
Dyna-Gro	S41ES80	EN	B	**73.5**	**10/7**	**2.4**	**41.0**		
Dyna-Gro	S43EN61	EN	B	**66.3**	**10/6**	**1.9**	**41.7**		
Dyna-Gro	S43XS70	XS	B	**80.9**	**10/9**	**2.3**	**47.0**	77.3	
FS HiSOY®	*42E90	EN	B	**71.2**	**10/7**	**2.0**	**39.7**	74.5	
FS HiSOY®	*43E00	EN	B	**69.9**	**10/8**	**2.3**	**42.3**		
FS HiSOY®	*45E00	EN	B	**72.3**	**10/9**	**0.7**	**43.3**		
FS HiSOY®	41X70	RX	B	**75.4**	**10/4**	**2.3**	**44.7**	77.1	79.8
FS HiSOY®	43X60	RX	B	**74.5**	**10/6**	**2.3**	**45.7**	76.5	73.3
Go Soy	*433E21	EN	B	**75.2**	**10/7**	**1.3**	**47.3**		
Go Soy	*481E19	EN	B	**70.0**	**10/3**	**1.0**	**47.3**		
Go Soy	463E20S	EN	B	**63.6**	**10/9**	**2.7**	**47.3**		
Hoffman	H420N	CV	B	**72.6**	**10/6**	**1.7**	**40.3**		
Hoffman	H43E21	EN	B	**68.0**	**10/4**	**2.6**	**42.0**		
Hoffman	H46E21	EN	B	**65.0**	**10/6**	**2.6**	**43.0**		
Illini	4218N	CV	B	**73.4**	**10/4**	**0.0**	**37.7**	73.9	
Illini	4300N	CV	B	**75.2**	**10/7**	**0.3**	**38.3**		
NuTech	41N03E	EN	B	**68.9**	**10/4**	**0.1**	**41.7**		
NuTech	43N04E	EN	B	**74.5**	**10/6**	**2.0**	**40.3**		
NuTech	45N04E	EN	B	**67.0**	**10/7**	**1.3**	**42.0**		
NuTech	46N02E	EN	b	**73.6**	**10/5**	**2.0**	**40.3**		
Pioneer	42A96X	RX	Be	**79.8**	**10/4**	**0.1**	**42.0**	77.5	
Pioneer	48A60X	RX	Be	**74.7**	**10/7**	**2.0**	**42.0**	77.6	
Pioneer	P41T07E	EN	Be	**69.9**	**10/5**	**0.3**	**40.0**		
Pioneer	P44A37L	LL	Be	**75.2**	**10/5**	**1.0**	**45.3**		
Pioneer	P45A02X	RX	Be	**78.2**	**10/6**	**0.8**	**42.3**		
Pioneer	P47A12L	LL	Be	**85.2**	**10/5**	**1.0**	**44.0**		
Pioneer	P49T62E	EN	Be	**74.0**	**10/7**	**0.0**	**46.0**		
Stone Seed	2RX4029	RX	Be	**72.4**	**10/5**	**1.0**	**43.7**		
Stone Seed	2RX4339-SR	RX	Be	**72.0**	**10/5**	**1.0**	**40.7**	74.5	74.8
	AVERAGE			**73.3**	**10/5**	**1.3**	**42.8**		
	L.S.D. 25% LEVEL			**3.3**			**1.9**		
	COEFF. OF VAR. (%)			**4.7**			**4.7**		

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

[2]The St. Peter trial was not included due to high levels of variation due to wet soils early followed by droughty conditions during pod fill.

2020 Soybean Test Results
Region 5 Early

COMPANY	NAME	Herbicide Trait	ST[1]	Regional Results Yield bu/a	Maturity Date	Lodging 0--5	Height in	Elkville Yield bu/a	Harrisburg Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
Early MG: 3.4-4.2											
AGS	GS42X19S	RS	B	**72.3**	**9/25**	**1.0**	**37.8**	62.8	81.7	71.4	
AgVenture	37V4LL	LL	B	**73.3**	**9/15**	**0.0**	**36.7**	60.2	86.4		
AgVenture	39V7E	EN	B	**76.0**	**9/20**	**0.9**	**35.7**	65.3	86.8		
AgVenture	40V7E	EN	B	**71.4**	**9/28**	**0.7**	**38.7**	64.1	78.7	70.2	
Asgrow	AG39X0	RX	Be	**76.4**	**9/20**	**0.8**	**41.5**	66.5	86.2		
Asgrow	AG39X7	RX	Be	**75.2**	**9/18**	**1.8**	**39.0**	66.9	83.5	74.6	73.5
Channel	3718R2X	RX	Be	**77.1**	**9/17**	**0.5**	**35.3**	67.6	86.6	73.4	71.9
Channel	4018R2X	RX	Be	**77.5**	**9/24**	**0.7**	**42.5**	67.5	87.5	73.9	73.1
Channel	4218R2X/SR	RS	Be	**80.3**	**9/27**	**1.2**	**41.7**	68.5	92.0		
Credenz	CZ 3750GTLL	RL	Be	**74.7**	**9/18**	**0.0**	**35.8**	61.9	87.5		
Credenz	CZ 3840GTLL	RL	Be	**78.4**	**9/22**	**0.8**	**41.8**	68.9	88.0		
Credenz	CZ 3930GTLL	RL	Be	**79.3**	**9/26**	**1.5**	**41.8**	68.2	90.5		
DONMARIO	DM 3756E	EN	B	**78.1**	**9/19**	**0.6**	**34.3**	64.8	91.5	79.3	
DONMARIO	DM 37C2S	CV	B	**67.6**	**9/18**	**0.0**	**35.2**	56.7	78.6	70.5	
DONMARIO	DM 3932E	EN	B	**76.3**	**9/18**	**0.4**	**35.7**	64.8	87.9	77.8	
DONMARIO	DM 41C51	CV	B	**73.5**	**9/22**	**1.4**	**37.8**	60.5	86.5		
Dyna-Gro	S38XS21	XS	B	**77.0**	**9/18**	**0.8**	**42.7**	68.7	85.3		
Dyna-Gro	S39EN19	EN	B	**74.7**	**9/18**	**0.8**	**36.7**	64.3	85.1	75.0	
Dyna-Gro	S41ES80	ES	B	**80.3**	**9/25**	**0.0**	**40.3**	68.4	92.2		
FS HiSOY®	*39E00	EN	B	**73.9**	**9/27**	**1.6**	**48.3**	61.9	85.8		
FS HiSOY®	*42E90	EN	B	**77.7**	**9/25**	**0.0**	**37.0**	65.9	89.6		
FS HiSOY®	38X00	RX	B	**74.7**	**9/18**	**0.7**	**42.0**	64.6	84.9		
FS HiSOY®	41X70	RX	B	**83.6**	**9/22**	**1.3**	**41.2**	73.9	93.2		
Go Soy	383E21S	ES	B	**77.2**	**9/18**	**0.0**	**33.0**	66.4	88.0		
Hoffman	H393N	CV	B	**71.0**	**9/19**	**1.3**	**37.2**	62.8	79.2	69.4	68.9
Hoffman	H399N	CV	B	**74.2**	**9/20**	**0.8**	**38.3**	64.9	83.4	73.0	
Hoffman	H39E21	EN	B	**72.7**	**9/20**	**0.0**	**37.2**	59.1	86.4		
Hoffman	H420N	CV	B	**78.6**	**9/21**	**0.5**	**39.8**	72.7	84.6		
Illini	4218N	CV	B	**71.8**	**9/18**	**0.0**	**36.8**	64.5	79.1	71.8	
Missouri	S15-10879C	CV	F	**65.0**	**9/21**	**1.7**	**38.8**	60.6	69.4		
NuTech	35N03E	EN	B	**78.3**	**9/17**	**1.2**	**37.8**	67.6	88.9		
NuTech	36N03E	EN	B	**76.6**	**9/18**	**1.2**	**35.2**	64.6	88.7		
NuTech	39N04E	EN	B	**75.2**	**9/19**	**0.0**	**33.3**	62.4	87.9		
NuTech	39N05E	EN	B	**76.6**	**9/19**	**0.8**	**34.7**	68.0	85.2		
NuTech	41N03E	EN	B	**72.4**	**9/27**	**0.7**	**38.2**	63.6	81.1		
Pioneer	42A96X	RX	Be	**76.4**	**9/25**	**0.0**	**39.8**	65.0	87.8	76.0	
Pioneer	P34A79X	RX	Be	**73.0**	**9/14**	**1.0**	**38.3**	61.0	85.0		
Pioneer	P38A49L	LL	Be	**71.7**	**9/15**	**0.6**	**39.0**	58.6	84.8		
Pioneer	P39T73E	EN	Be	**72.8**	**9/21**	**1.5**	**37.7**	66.0	79.6		
Pioneer	P41T07E	EN	Be	**73.2**	**9/25**	**0.0**	**36.5**	64.0	82.4		
Stone Seed	2RX3628	RX	Be	**73.1**	**9/15**	**0.0**	**35.3**	60.4	85.9	74.6	
Stone Seed	2RX4029	RX	Be	**70.3**	**9/20**	**0.5**	**38.2**	59.9	80.8	71.1	72.6
Stone Seed	2RX4228-SR	RX	Be	**76.6**	**9/25**	**0.9**	**37.5**	65.2	88.0	71.4	72.8
	AVERAGE			**75.1**	**9/21**	**0.9**	**38.1**	64.7	85.5		
	L.S.D. 25% LEVEL			**3.4**		**0.0**	**2.0**	3.5	2.6		
	COEFF. OF VAR. (%)			**6.7**		**0.0**	**7.7**	5.8	3.2		

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

2020 Soybean Test Results
Region 5 Late

COMPANY	NAME	Herbicide Trait	ST[1]	Regional Results Yield bu/a	Maturity Date	Lodging 0--5	Height in	Elkville Yield bu/a	Harrisburg Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
Late MG: 4.3-4.9											
AgVenture	43V6E	EN	B	**75.0**	**9/24**	**1.2**	**38.1**	**65.3**	**84.7**		
AgVenture	43V8LL	LL	B	**73.7**	**9/24**	**0.9**	**43.2**	**62.4**	**85.1**		
AgVenture	45V8E	EN	B	**71.0**	**9/27**	**0.6**	**36.9**	**59.4**	**82.5**		
AgVenture	47V4LL	LL	B	**75.2**	**9/27**	**1.0**	**38.5**	**60.4**	**90.0**		
Arkansas	R13-14635RR	RR	B	**69.2**	**10/5**	**1.0**	**43.7**	*	**69.1**		
Asgrow	AG43X0	RX	Be	**72.8**	**10/1**	**1.2**	**43.3**	**64.5**	**81.0**		
Asgrow	AG46X0	RX	Be	**75.9**	**10/2**	**0.8**	**43.3**	**63.1**	**88.7**	70.5	
Asgrow	AG46X6	RX	Be	**75.0**	**10/1**	**1.0**	**42.7**	**64.9**	**85.1**		
Asgrow	AG48X9	RX	Be	**73.0**	**10/3**	**0.5**	**43.0**	**61.2**	**84.8**	71.2	71.9
Baker	4862NRX	RX	F	**75.0**	**10/4**	**0.4**	**38.9**	**61.4**	**88.7**	72.0	71.3
Blue River	49CK6	CV	U	**79.4**	**10/1**	**0.8**	**40.3**	**79.5**	**79.4**		
Blue River	e4993	CV	U	**64.3**	**10/5**	**1.1**	**39.7**	*	**72.6**		
Dyna-Gro	S43EN61	EN	B	**76.7**	**9/25**	**0.8**	**38.3**	**68.0**	**85.4**		
Dyna-Gro	S43XS70	XS	B	**73.5**	**9/26**	**1.0**	**43.3**	**64.3**	**82.6**	73.3	
Dyna-Gro	S45ES10	ES	B	**71.0**	**9/30**	**1.2**	**41.5**	**63.3**	**78.6**		
Dyna-Gro	S46ES91	ES	B	**70.3**	**9/28**	**1.1**	**39.8**	**64.3**	**76.3**		
Dyna-Gro	S46XS60	ES	B	**74.1**	**10/1**	**0.7**	**38.1**	**62.3**	**85.9**	72.9	
FS HiSOY®	*43E00	EN	B	**77.1**	**9/27**	**0.9**	**38.4**	**68.6**	**85.6**		
FS HiSOY®	*45E00	EN	B	**73.1**	**9/29**	**0.8**	**37.3**	**64.3**	**81.8**		
FS HiSOY®	*48E00	EN	B	**70.9**	**10/2**	**1.2**	**38.4**	**63.8**	**78.1**		
FS HiSOY®	43X60	RX	B	**73.5**	**10/2**	**1.4**	**42.9**	**60.9**	**86.1**	71.5	69.8
FS HiSOY®	46X90	RX	B	**75.9**	**10/2**	**0.7**	**38.8**	**60.7**	**91.1**	73.7	
Go Soy	*433E21	EN	B	**75.7**	**10/1**	**1.7**	**40.6**	**66.9**	**84.5**		
Go Soy	*481E19	EN	B	**63.7**	**10/1**	**0.9**	**43.8**	**53.5**	**74.0**		
Go Soy	463E20S	EN	B	**65.9**	**10/1**	**1.3**	**45.5**	**62.5**	**69.4**		
Hoffman	H43E21	EN	B	**73.6**	**9/28**	**0.7**	**39.3**	**63.7**	**83.6**		
Hoffman	H46E21	EN	B	**65.8**	**10/1**	**0.6**	**43.7**	**60.0**	**71.6**		
Illini	4300N	CV	B	**72.4**	**9/22**	**0.1**	**31.2**	**62.3**	**82.4**		
NuTech	43N04E	EN	B	**75.8**	**9/22**	**1.3**	**38.9**	**64.9**	**86.6**		
NuTech	45N04E	EN	B	**70.7**	**9/28**	**0.8**	**38.1**	**61.2**	**80.2**		
NuTech	46N02E	EN	b	**73.1**	**9/28**	**1.2**	**36.2**	**61.0**	**85.3**		
Pioneer	48A60X	RX	Be	**75.6**	**9/30**	**1.2**	**41.7**	**68.1**	**83.2**	76.4	
Pioneer	P44A37L	LL	Be	**69.5**	**9/25**	**0.5**	**39.5**	**53.2**	**85.8**		
Pioneer	P45A02X	RX	Be	**77.7**	**9/24**	**0.5**	**40.2**	**63.1**	**92.3**		
Pioneer	P47A12L	LL	Be	**77.1**	**9/26**	**0.5**	**37.3**	**63.7**	**90.5**		
Pioneer	P49T62E	EN	Be	**68.9**	**10/3**	**0.0**	**39.5**	**58.1**	**79.6**		
	AVERAGE			**72.8**	**9/29**	**0.9**	**40.1**	**63.1**	**82.6**		
	L.S.D. 25% LEVEL			**6.1**		**0.0**	**1.8**	**3.1**	**2.5**		
	COEFF. OF VAR. (%)			**12.5**		**0.0**	**6.5**	**5.3**	**3.2**		

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

* These varieties at the Elkville location were dropped due to poor stands.