
Soybean Variety Test Results in Illinois- 2021



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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 2021 trials consisted of 247 varieties from 27 companies with the following herbicide trait packages:

- 50- none (conventional)
- 3- conventional and STS
- 9- glufosinate
- 98- 2,4-D, glufosinate and glyphosate
- 5- 2,4-D, glufosinate, glyphosate and STS
- 1- glyphosate
- 65- dicamba, glufosinate and glyphosate
- 5- dicamba, glufosinate, glyphosate and STS
- 10- dicamba and glyphosate
- 1- dicamba, glyphosate and STS

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 2021 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 \$93 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 2021, 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 were conducted on a regional basis. The regions are as follows:

- Region 1. Fenton, Freeport and DeKalb
- Region 2. Monmouth, Goodfield & Dwight
- Region 3. Perry, New Berlin & Urbana
- Region 4. St. Peter and Belleville

Region 5. Elkhart 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:

- 0- No Plants leaning or lodged
- 9 - Almost all plants leaning or 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:

- 0 - No shattering
- 9 - 100% 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.

2021 SOYBEAN LOCATIONS



SOURCES OF SEED

Agventure , Wehmeyer Seed	www.agventure.com
Asgrow , Bayer Crop Science	www.aganytime.com
Baird Seed , Baird Seed	www.baridseed.com
Beck's , Beck's Hybrids	www.beckshybrids.com
Burrus , Burrus Seed	www.burrusseed.com
Channel , Channel Seed	www.channel.com
Cornelius , Cornelius Seed	www.corneliusseed.com
Dairyland , Dairyland Seed	www.dairylandseed.com
DeRaedt , DeRaedt Seed Corp.	847-514-8844
DONMARIO , GDM Seeds	www.gdmseeds.com
Dyna-Gro , Nutrien Ag Solutions	www.dynagroseed.com
Genesis, Renk Seed	www.renkseed.com
Golden Harvest , Golden Harvest	www.goldenharvestseeds.com
Hoffman , Hoffman Seed Inc.	www.hoffmanseed.com
Lakeview Farms , Lakeview Farms	www.lakevieworganicgrain.com
Martin , Martin Seeds	765-986-2030
Missouri , University of Missouri	573-379-5431
Monier , Monier Seed & Service	www.monierseed.com
NuTech Seed , NuTech Seed LLC	www.nutechseed.com
P3 , Cornelius Seed	www.corneliusseed.com
Pioneer , Corteva	www.pioneer.com
Public , Univ. Of Illinois	https://cropsciences.illinois.edu
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 House	www.alseed.com
Xitavo , BASF	www.BASF.com

2020 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered					SN	PRR	ST	HC
				1	2	3	4	5				
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	lb
Monier	ME2585	EN	2.5		2				2	NG	Be	lb
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	lb
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	lb
Pioneer	P30T99E	EN	3.0	1	2	3			2	K	Be	lb
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	lb
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	lb

2020 Soybean Entries

Co/Brand	Variety	Herb	Mg	Regions Entered					SN	PRR	ST	HC		
				1	2	3	4	5						
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 & Elkhart.

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

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

2021 Soybean Test Results Region 1 Early

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				Fenton Yield bu/a	Freeport 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--9	Height in					
Early MG: 2.0-2.7												
Asgrow	AG24XF1	RF	B	79.1	9/15	0.3	34.2	77.9	70.9	88.5		
Asgrow	AG26XF1	RF	B	83.3	9/17	0.6	34.0	80.3	76.6	93.1		
Asgrow	AG27XF1	RF	B	81.0	9/21	0.7	33.8	80.5	73.3	89.1		
Baird Seed	Illini 2043N	CV	B	70.5	9/16	1.3	35.6	70.7	65.9	75.1		
Baird Seed	Illini 2398N	CV	B	76.0	9/16	1.1	38.5	74.3	71.9	81.9		
Baird Seed	Illini 2643N	CV	B	78.6	9/21	1.0	35.9	76.7	75.6	83.4	74.0	73.4
Beck's	2420E3	EN	B	77.7	9/18	0.8	38.6	78.2	71.8	83.0		
Beck's	2555XF	RF	B	78.6	9/21	1.2	35.4	78.0	69.3	88.5		
Burrus	2497E	EN	B	80.7	9/18	0.6	36.5	78.3	74.2	89.5		
Burrus	2565E	EN	B	77.2	9/19	0.8	36.4	73.7	71.8	86.1		
Channel	2521RXF	RF	B	78.6	9/18	0.4	34.2	72.9	73.5	89.5		
Cornelius	CB26XF76	RF	Bs	78.5	9/23	0.8	36.7	77.0	77.8	80.6		
Cornelius	CB27X81	RX	Bs	83.7	9/22	0.6	40.1	82.8	74.9	93.4	78.2	
Cornelius	CB27XF34	RF	Bs	79.1	9/19	1.3	36.1	74.3	75.3	87.8		
Dairyland Seed	DSR-2424E	EN	Be	76.5	9/18	0.9	36.1	73.2	73.0	83.2	73.9	
Dairyland Seed	DSR-2640E	EN	Be	77.0	9/23	1.0	35.9	76.7	71.9	82.5	76.2	
DeReadt	2321E3	EN	B	79.0	9/17	0.7	34.5	77.9	74.3	84.7	75.8	
DeReadt	2422E3	EN	B	81.2	9/17	0.7	37.8	83.7	73.1	86.8		
DeReadt	2621E3	EN	B	80.1	9/21	1.1	36.9	74.8	75.4	90.1	78.5	
Dyna-Gro	S25XF71S	RF/ST	Bs	83.7	9/16	0.3	35.4	83.5	76.4	91.3		
Dyna-Gro	S26XF42	RF	Bs	83.0	9/21	1.2	38.4	83.9	76.4	88.8		
GENESIS	G2260E	EN	B	78.6	9/15	0.6	33.6	72.3	77.0	86.4		
GENESIS	G2460E	EN	B	80.8	9/21	1.0	35.7	76.1	78.4	87.9		
GENESIS	G2550E	EN	B	83.8	9/21	0.9	38.9	82.7	78.2	90.5	82.3	
Lakeview Farms	LVF2630	CV	Bn	80.3	9/18	1.1	36.7	80.5	75.4	85.0		
Monier	ME2585	EN	Be	81.5	9/22	0.8	38.6	77.2	77.2	90.1		
NuTech	24N04E	EN	B	77.4	9/18	0.3	35.7	75.7	74.0	82.6		
NuTech	26N04E	EN	B	81.6	9/22	0.7	35.7	78.3	79.6	86.9	78.2	
Pioneer	P22T86E	EN	B	78.7	9/13	0.9	34.9	77.5	71.4	87.1		
Pioneer	P24T35E	EN	B	78.4	9/17	0.6	35.9	76.3	73.5	85.4		
Pioneer	P26T23E	EN	B	82.9	9/23	0.7	36.0	81.7	81.0	86.0		
Pioneer	P26T57E	EN	B	82.0	9/27	0.7	38.5	75.9	78.8	91.3		
RENK	RS212NXF	RF	B	78.5	9/19	1.2	35.5	78.9	73.7	82.7		
RENK	RS242NFX	RF	B	78.3	9/16	0.6	36.9	79.8	70.5	84.5		
RENK	RS248NX	RX	B	79.5	9/23	1.1	36.4	75.4	76.2	86.9	77.4	74.9
Stone Seed	2XF2241	RF	Be	79.0	9/19	0.6	33.6	74.2	72.7	90.0		
Stone Seed	2XF2541	RF	Be	79.7	9/19	0.7	34.9	72.9	76.5	89.8		
Stone Seed	2XF2850	RF	Be	74.9	9/25	1.6	37.7	76.4	67.0	81.4		
Viking	O.2188AT12	CV		66.8	9/26	4.4	36.4	62.9	67.4	70.1		
Viking	O.2418N	CV		83.8	9/13	0.9	33.8	80.2	79.4	91.9	78.9	76.7
Viking	O.2702	CV		78.6	9/24	1.7	39.7	76.3	74.5	85.2	75.8	
Xitavo	XO 2181E	EN	B	76.6	9/12	0.7	32.2	73.0	75.1	81.9		
Xitavo	XO 2501E	EN	B	81.7	9/20	1.2	39.0	79.8	77.4	87.8		
AVERAGE				79.0	9/19	1.0	36.4	76.8	74.1	86.2		
L.S.D. 25% LEVEL				2.5		0.0	1.2	4.2	2.9	3.5		
COEFF. OF VAR. (%)				5.9		0.0	6.0	5.8	4.1	4.3		

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

2021 Soybean Test Results Region 1 Late

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				Fenton Yield bu/a	Freeport 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--9	Height in					
Late MG: 2.8-3.6												
Asgrow	AG28XF2	RF	B	77.5	9/22	1.1	34.7	76.5	68.7	87.3		
Asgrow	AG30XF2	RF	B	80.1	9/27	0.8	41.9	81.7	69.4	89.2		
Asgrow	AG31XF2	RF	B	82.4	9/26	0.3	37.5	86.1	71.3	89.8		
Beck's	2885XF	RF	B	78.8	9/24	1.2	38.3	80.2	71.7	84.4		
Cornelius	CB29XF09	RF	Bs	81.0	9/25	1.5	40.1	84.5	73.5	85.0		
Dairyland Seed	DSR-2999E	EN	Be	80.6	9/23	0.8	38.9	82.5	72.1	87.2	74.2	
Dairyland Seed	DSR-3177E	EN	Be	81.0	9/26	0.8	37.5	78.3	74.7	90.0		
Dairyland Seed	DSR-3256E	EN	Be	78.3	9/28	1.1	37.3	81.9	70.0	82.9	77.4	
Dairyland Seed	DSR-3365E	EN	Be	81.9	9/25	1.3	39.5	81.3	76.2	88.3	77.5	
Dyna-Gro	S28EN22	EN	Bs	80.9	9/23	0.5	36.5	82.2	71.8	88.5		
Dyna-Gro	S28XF92S	RF/ST	Bs	81.0	9/21	1.1	37.7	81.3	72.6	89.2		
Dyna-Gro	S31XF82	RF	Bs	79.3	9/27	1.2	43.2	85.0	69.2	83.6		
GENESIS	G2960E	EN	B	85.7	9/24	0.6	35.7	88.1	75.5	93.5		
Lakeview Farms	LVF2849	CV	Bn	79.6	9/27	1.7	34.1	83.3	71.8	83.8		
Lakeview Farms	LVF3039	CV	Bn	76.0	9/24	1.0	36.3	79.3	69.8	78.9		
Lakeview Farms	LVF3230	CV	Bn	71.1	9/26	1.6	38.3	72.2	66.4	74.7		
Monier	M2877XF	RF	Be	79.4	9/25	1.2	39.1	80.9	68.4	88.8		
Monier	M3577XF	RF	Be	78.1	10/2	1.6	43.5	80.9	69.7	83.5		
Monier	ME2885	EN	Be	82.3	9/23	0.8	36.8	83.7	74.7	88.4		
Monier	ME3088	EN	Be	84.8	9/25	0.7	34.5	85.5	77.5	91.4		
Monier	ME3385	EN	Be	81.0	9/26	1.1	38.7	77.4	76.5	89.0		
Monier	ME3585	EN	Be	83.0	9/29	1.1	40.6	84.0	76.1	88.8		
NuTech	28N02E	EN	b	82.0	9/23	1.0	36.5	79.1	74.7	92.1	78.7	
NuTech	29N02E	EN	B	82.7	9/25	0.9	39.2	82.7	75.7	89.8		
NuTech	30N03E	EN	B	80.1	9/26	1.0	40.4	80.5	75.0	84.7	75.3	
NuTech	31N06E	EN	B	81.9	9/28	1.1	37.0	83.1	75.9	86.8	77.8	
NuTech	34N06E	EN	B	81.7	10/2	0.8	43.1	85.2	73.0	86.9		
NuTech	35N05E	EN	B	84.2	10/1	0.8	41.1	84.8	75.3	92.4		
P3 Genetics	1928E	EN	Bs	82.0	9/25	0.7	35.7	82.7	72.8	90.6	77.1	
P3 Genetics	2229E	EN	Bs	86.2	9/22	0.5	35.0	84.8	80.4	93.4		
Pioneer	P30T99E	EN	B	82.5	9/26	0.8	40.8	85.8	76.4	85.5	76.8	
Pioneer	P31T64E	EN	B	79.9	9/26	0.8	38.6	79.6	74.4	85.6		
RENK	RS282NXF	RF	B	79.5	9/24	0.6	36.7	79.3	69.5	89.6		
Viking	3144N	CV		73.1	9/26	0.9	37.9	76.9	62.5	79.7	67.1	65.7
Viking	O.3118	CV		86.1	9/27	1.3	41.7	86.2	79.9	92.3		
Xitavo	XO 2921E	EN	B	81.2	9/24	0.6	38.3	81.5	74.7	87.3		
Xitavo	XO 3131E	EN	B	83.4	9/26	0.9	39.3	82.4	75.5	92.3		
Xitavo	XO 3651E	EN	B	80.6	9/27	0.9	41.5	83.2	74.0	84.6		
	AVERAGE			80.6	9/25	1.0	38.3	81.6	72.8	87.3		
	L.S.D. 25% LEVEL			2.3		0.0	1.2	4.2	3.3	3.7		
	COEFF. OF VAR. (%)			5.2		0.0	5.8	5.4	4.8	4.5		

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

Region 1: Trial location information

Location	Freepoint	DeKalb	Fenton
County	Stephenson	DeKalb	Whiteside
Host	Highland Community Collage	John and Jim Boesche	Ron and Dave Mickley
Soil type	Fayette silt loam	Drummer silty clay loam	Coffeen silt loam
Planting date	May 13, 2021	May 13, 2021	May 13, 2021
Harvest date	November 8, 2021	October 22, 2021	October 21, 2021

Pesticides

PRE	Authority First, Zidua	Authority First, Zidua	Authority First, Zidua
POST	Phoenix, First Rate, Zidua	Phoenix, First Rate, Zidua	Phoenix, First Rate, Zidua
Fungicide	None	Yes	

Tillage

Spring	Field cultivator	Field cultivator	Field cultivator
Fall	None	None	Chisel
Latitude	42.28843372	41.86826876	41.74691467
Longitude	-89.681558	-88.82629283	-90.0166284

RainFall

April	2.6	1.6	4.0
May	2.5	2.9	6.2
June	2.6	8.3	3.3
July	3.1	2.2	4.0
August	3.4	1.8	0.9
September	0.7	1.0	1.0
Total	14.9	17.8	19.4

Region 2: Trial location information

Location	Monmouth	Goodfield	Dwight
County	Warren	Woodford	Grundy
Host	Greg Steckel	Glenn and Ron Joos	Tyson Dollinger
Soil type	Sabble silty clay loam	Ipava silt loam	Drummer silty clay loam
Planting date	May 7, 2021	May 6, 2021	May 6, 2021
Harvest date	October 19, 2021	October 20, 2021	October 22, 2021

Pesticides

PRE	Authority First, Zidua	Authority First, Zidua	Authority First, Zidua
POST	Phoenix, First Rate, Zidua	Phoenix, First Rate, Zidua	Phoenix, First Rate, Zidua
Fungicide	None		Trivapro

Tillage

Spring	Field cultivate	None	Field cultivator
Fall	Disk ripper	Strip Till	Chisel
Latitude	40.92655348	40.63804665	41.20390892
Longitude	-90.72566152	-89.26309873	-88.49109627

RainFall

April	3.9	2.8	4.2
May	6.6	5.3	3.9
June	8.1	4.9	6.8
July	4.1	2.6	4.4
August	2.6	4.7	4.2
September	1.8	1.3	1.8
Total	27.1	21.6	25.3

**2021 Soybean Test Results
Region 2 Early**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				Monmouth Yield bu/a	Goodfield Yield bu/a	Dwight Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-9	Height in					
Early MG: 2.5-3.1												
Asgrow	AG29XF2	RF	B	60.9	9/25	1.2	36.0	60.1	46.9	75.7		
Asgrow	AG31XF2	RF	B	61.2	9/21	1.0	31.8	61.3	47.4	74.7		
Baird Seed	Illini 2904N	CV	B	59.8	9/23	1.7	31.7	56.6	42.9	80.0	67.1	66.4
Baird Seed	Illini 3025N	CV	B	61.5	9/23	0.9	33.5	59.4	49.3	75.8		
Baird Seed	Illini 3156N	CV	B	64.1	9/21	1.3	34.6	59.5	51.5	81.3	66.4	66.1
Beck's	3225XF	RF	B	60.5	9/22	1.0	36.1	60.2	46.3	74.9		
Burrus	2853F	RF	B	57.6	9/17	1.1	33.6	53.7	40.8	78.1		
Burrus	3145E	EN	B	65.1	9/26	1.1	36.7	64.2	51.1	80.0		
Channel	3322RXF	RF	B	67.1	9/25	0.8	33.8	65.2	53.8	82.2		
Cornelius	CB31XF42	RF	Bs	56.7	9/22	1.0	36.6	52.7	43.9	73.6		
DONMARIO	DM30F52	RF	B	56.8	9/24	1.0	37.1	48.0	43.5	78.8		
DONMARIO	DM32C52	CV	B	61.2	9/24	1.1	36.9	58.8	48.2	76.7		
Dyna-Gro	S2872N	CV	Bs	70.8	9/24	1.0	33.5	64.8	57.2	90.5		
Dyna-Gro	S28EN22	EN	Bs	64.0	9/21	1.1	31.8	60.3	48.9	82.8		
Dyna-Gro	S28XF92S	RF/ST	Bs	58.7	9/19	1.0	33.0	56.1	44.2	75.8		
Dyna-Gro	S29EN62	EN	Bs	64.4	9/20	1.0	32.4	61.2	46.9	85.2		
Dyna-Gro	S31XF82	RF	Bs	64.3	9/25	1.0	38.9	60.9	53.3	78.6		
GENESIS	G2960E	EN	B	63.9	9/20	1.0	32.7	59.0	49.5	83.2		
Golden Harvest	GH2722XF	RF	Bs	59.2	9/22	1.2	35.3	56.9	45.0	75.7		
Lakeview Farms	LVF2630	CV	Bn	57.4	9/13	1.1	32.5	52.4	45.2	74.5		
Lakeview Farms	LVF2849	CV	Bn	64.0	9/22	1.0	32.5	62.3	47.6	82.2		
Lakeview Farms	LVF3039	CV	Bn	64.2	9/23	0.9	33.6	59.5	54.0	79.1		
Lakeview Farms	LVF3230	CV	Bn	57.9	9/25	1.3	36.5	55.1	46.7	71.9		
NuTech	29N02E	EN	B	64.2	9/22	1.0	34.3	60.3	48.3	84.1		
NuTech	30N03E	EN	B	64.3	9/22	1.1	37.6	63.5	49.3	80.3	67.2	
NuTech	31N06E	EN	B	65.2	9/25	1.2	34.4	62.8	49.8	83.0	71.9	
P3 Genetics	2231E	EN	Bs	65.9	9/25	1.0	36.5	62.8	51.4	83.5		
Pioneer	P26T57E	EN	B	61.0	9/17	0.8	32.3	54.2	46.9	82.0		
Pioneer	P28T14E	EN	B	64.7	9/20	1.0	32.8	62.2	48.0	84.1		
Pioneer	P31T64E	EN	B	67.0	9/25	1.0	35.6	59.7	54.1	87.4		
Pioneer	P32T26E	EN	B	64.0	9/24	1.1	35.1	61.9	47.5	82.6		
Public	Dwight	CV	B	50.5	9/14	1.3	36.8	47.6	36.6	67.4	51.0	51.9
Public	Jack	CV	F	48.6	9/21	2.3	42.1	43.2	38.9	63.7	49.1	50.0
RENK	RS282NXF	RF	B	57.5	9/18	0.9	33.5	53.0	42.0	77.6		
RENK	RS322NXF	RF	B	60.6	9/21	0.9	33.1	61.2	44.4	76.2		
Stone Seed	2XF3052	RF	Be	59.2	9/23	1.0	38.5	56.0	46.6	75.0		
Sun Prairie	SP29E22	EN	B	66.9	9/20	0.8	32.5	56.3	55.8	88.4		
Sun Prairie	SP29F22	RF	B	61.9	9/26	1.2	34.3	57.4	50.7	77.6		
Sun Prairie	SP32F22	RF	B	65.4	9/26	1.0	34.1	64.3	51.3	80.5		
Xitavo	XO 2921E	EN	B	61.6	9/21	1.0	34.3	57.7	46.6	80.3		
Xitavo	XO 3131E	EN	B	66.8	9/26	1.0	35.7	63.7	49.8	86.9		
	AVERAGE			61.8	9/22	1.1	34.6	58.2	47.8	79.4		
	L.S.D. 25% LEVEL			2.7		0.0	1.4	3.2	2.6	3.5		
	COEFF. OF VAR. (%)			8.1		0.0	7.3	5.8	5.8	4.6		

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

**2021 Soybean Test Results
Region 2 Late**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				Monmouth Yield bu/a	Goodfield Yield bu/a	Dwight Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-9	Height in					
Late MG: 3.3-3.9												
Asgrow	AG33XF2	RF	B	64.1	9/28	1.1	35.9	63.1	53.0	76.3		
Asgrow	AG35XF1	RF	B	62.9	9/27	1.1	34.3	62.2	48.9	77.7		
Asgrow	AG37XF2	RF	B	62.5	9/30	0.9	38.1	61.2	52.0	74.3		
Asgrow	AG38XF1	RF	B	63.9	10/4	1.1	38.6	63.4	52.5	75.9		
Baird Seed	BHP 3462Y	CV	B	57.6	9/28	1.2	33.8	53.0	50.8	69.0		
Baird Seed	Illini 3546N	CV	B	60.5	9/25	0.8	32.9	58.0	47.8	75.7		
Baird Seed	Illini 3648N	CV	B	60.1	9/25	1.0	33.3	57.4	45.9	77.1		
Beck's	3510E3	EN	B	62.9	9/26	1.0	34.3	61.6	48.0	78.9		
Beck's	3555XF	RF	B	59.2	9/26	1.0	32.5	57.4	47.1	73.1		
Channel	3521RXF	RF	Be	64.3	9/26	0.8	32.9	60.6	53.8	78.5		
Channel	3721RXF	RF	Be	59.2	9/29	1.2	38.9	54.0	48.2	75.5		
Cornelius	CB35XF65	RF	Bs	56.3	9/30	1.0	35.4	55.3	43.2	70.3		
DONMARIO	DM34E11	EN	B	66.5	9/28	0.9	36.0	65.3	49.9	84.1		
DONMARIO	DM34E52	EN	B	64.8	9/26	1.1	34.6	64.4	50.0	79.9		
Dyna-Gro	S33EN42	EN	Bs	65.9	9/27	0.9	33.8	60.7	57.6	79.3		
Dyna-Gro	S33XF62	RF	Bs	64.2	9/26	1.0	32.6	57.9	52.1	82.7		
Dyna-Gro	S35ES82	EN/ST	Bs	55.9	9/26	1.3	32.0	49.1	42.1	76.7		
Dyna-Gro	S35XF72	RF	Bs	60.1	9/27	0.8	35.4	61.6	45.1	73.6		
Dyna-Gro	S3681STS	CV/ST	Bs	64.3	9/28	1.0	33.8	60.7	50.2	82.0	67.6	
GENESIS	G3460ES	EN	B	62.8	9/26	1.0	32.9	61.8	48.3	78.3		
Golden Harvest	GH3442XF	RF	Bs	66.6	9/28	1.1	34.7	63.4	55.6	80.7		
Golden Harvest	GH3732XF	RF	Bs	64.4	9/30	0.9	36.5	67.4	49.7	76.1		
Golden Harvest	GH3952XF	RX	Bs	57.1	9/27	0.9	34.7	56.9	44.8	69.6		
Lakeview Farms	LVF3530	CV	Bn	59.0	9/24	0.9	32.7	53.5	42.7	81.0		
Lakeview Farms	LVF3641	CV	Bn	56.9	9/22	0.8	32.8	55.3	41.9	73.5		
Lakeview Farms	LVF3648	CV	Bn	55.2	9/29	1.0	34.5	51.5	45.3	68.8		
NuTech	34N06E	EN	B	64.3	9/28	0.9	38.4	60.7	52.9	79.2	69.1	
NuTech	35N05E	EN	B	65.2	9/29	1.0	37.1	64.7	53.3	77.6		
NuTech	37N01E	EN	B	61.4	9/29	0.8	32.6	60.8	46.1	77.2		
NuTech	39N04E	EN	B	64.3	9/29	1.0	32.6	61.5	52.2	79.2	68.9	
NuTech	39N05E	EN	B	62.8	9/30	0.8	33.7	55.1	60.9	72.2	66.7	
P3 Genetics	2136E	EN	Bs	62.9	9/28	1.0	34.7	59.8	52.7	76.2	70.9	
P3 Genetics	2234E	EN	Bs	64.5	9/26	1.3	33.9	61.4	52.5	79.5		
Pioneer	P34T21SE	EN	B	64.1	9/27	1.1	37.5	65.8	47.8	78.6		
Pioneer	P35T15E	EN	B	62.9	9/27	1.0	36.6	62.9	49.2	76.8		
Stone Seed	2XF3352	RF	Be	62.9	9/26	0.9	31.8	61.8	47.9	79.0		
Stone Seed	2XF3531	RF	Be	63.4	9/25	1.0	32.8	61.2	47.3	81.8		
Xitavo	XO 3651E	EN	B	63.9	9/26	1.0	35.6	61.2	51.3	79.2		
Xitavo	XO 3861E	EN	B	65.8	9/29	1.0	32.2	62.5	57.4	77.6		
	AVERAGE			61.8	9/26	1.0	34.1	59.5	49.1	76.7		
	L.S.D. 25% LEVEL			3.0		0.0	1.2	3.3	2.8	3.0		
	COEFF. OF VAR. (%)			8.9		0.0	6.2	5.9	6.0	4.1		

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

**2021 Soybean Test Results
Region 3 Early**

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 0-9	Height in					
Early MG: 2.7-3.5												
Asgrow	AG31XF2	RF	B	78.4	9/20	0.8	36.5	73.1	82.3	79.9		
Asgrow	AG33XF2	RF	B	81.4	9/22	1.9	39.1	74.1	88.7	81.5		
Asgrow	AG35XF1	RF	B	83.1	9/21	2.2	40.0	77.1	91.2	81.0		
Baird Seed	BHP 3462Y	CV	B	68.1	9/18	3.6	37.8	58.8	77.9	67.6		
Baird Seed	Illini 2904N	CV	B	77.9	9/19	3.2	36.5	72.3	80.4	81.1	77.4 76.2	
Baird Seed	Illini 3025N	CV	B	77.4	9/15	1.7	36.1	71.0	80.5	80.8	77.2 75.9	
Baird Seed	Illini 3156N	CV	B	76.1	9/12	2.4	37.0	75.3	76.9	76.2	75.5 74.9	
Baird Seed	Illini 3267N	CV	B	79.6	9/14	2.2	37.3	74.1	86.3	78.3	76.5 76.0	
Baird Seed	Illini 3317N	CV	B	79.2	9/20	2.2	40.1	74.4	84.6	78.5	78.8	
Baird Seed	Illini 3546N	CV	B	77.0	9/18	1.1	36.4	67.1	86.8	77.1	75.9 75.2	
Beck's	3225XF	RF	B	77.7	9/17	3.2	39.1	72.8	83.5	77.0		
Burrus	3229F	RF	B	81.4	9/21	0.7	39.1	70.7	95.1	78.3		
Channel	3322RXF	RF	B	80.1	9/18	1.0	35.4	67.7	93.6	79.1		
Channel	3521RXF	RF	Be	81.2	9/22	1.4	39.6	76.0	85.0	82.5		
DONMARIO	DM34E52	EN	B	84.7	9/19	2.8	38.0	80.5	84.1	89.4		
Dyna-Gro	S32EN01	EN	Bs	79.4	9/20	2.2	37.6	74.8	82.6	80.8	81.8	
Dyna-Gro	S33EN42	EN	Bs	82.9	9/21	2.2	36.5	80.3	90.7	77.8		
Dyna-Gro	S33XF62	RF	Bs	81.3	9/15	0.9	37.7	72.9	92.5	78.5		
Dyna-Gro	S35EN99	EN	Bs	85.1	9/21	1.4	39.8	77.0	95.3	83.1	85.4 81.6	
Dyna-Gro	S35ES82	EN/ST	Bs	80.5	9/21	2.0	38.4	70.0	90.0	81.7		
Dyna-Gro	S35XF72	RF	Bs	79.9	9/20	1.3	40.6	73.4	87.8	78.6		
Golden Harvest	GH3442XF	RX	Bs	84.5	9/20	1.7	39.3	77.7	92.6	83.4		
Lakeview Farms	LVF3039	CV	Bn	78.6	9/14	1.6	36.6	73.2	83.7	78.9		
Lakeview Farms	LVF3230	CV	Bn	71.4	9/19	2.9	38.4	65.5	78.2	70.4		
Lakeview Farms	LVF3530	CV	Bn	79.2	9/17	1.0	35.9	71.3	87.1	79.1		
Martin	M27-E3	EN	B	73.9	9/11	1.0	34.1	65.4	82.7	73.7		
Martin	M33-E3	EN	B	82.5	9/20	3.0	37.0	75.4	88.2	83.8	83.3	
NuTech	29N02E	EN	B	75.6	9/14	2.9	37.5	66.9	83.9	76.1		
NuTech	30N03E	EN	B	75.5	9/16	1.9	37.6	65.9	82.6	77.9		
NuTech	31N06E	EN	B	80.9	9/21	2.8	36.2	73.1	88.9	80.7	81.6	
NuTech	34N06E	EN	B	81.8	9/23	1.9	40.7	77.3	84.6	83.4	82.3	
NuTech	35N05E	EN	B	81.0	9/22	2.4	39.7	70.5	88.7	83.9		
Pioneer	P28T14E	EN	B	78.7	9/12	1.9	34.9	72.4	82.8	80.8		
Pioneer	P31A29L	LL	B	81.6	9/13	2.2	39.2	78.6	87.0	79.1		
Pioneer	P31T64E	EN	B	82.7	9/18	2.8	37.7	72.3	87.4	88.4		
Pioneer	P32A87L	LL	B	80.8	9/18	3.7	42.4	82.4	83.2	76.8	79.2	
Pioneer	P32T26E	EN	B	85.2	9/20	2.4	39.1	72.9	93.0	89.7		
Pioneer	P34T21SE	EN	B	80.1	9/23	2.4	42.3	76.2	83.1	81.0		
Pioneer	P35A89L	LL	B	80.1	9/18	1.8	34.8	74.5	82.9	83.0		
Pioneer	P35T15E	EN	B	83.2	9/22	1.7	39.5	75.1	93.1	81.6		
Public	Jack	CV	F	63.9	9/13	5.8	47.5	59.8	67.0	65.0	63.9 62.2	
Stone Seed	2XF3352	RF	Be	82.4	9/17	0.9	37.1	75.9	90.4	80.8		
Stone Seed	2XF3531	RF	Be	80.6	9/21	1.0	37.2	75.6	82.1	84.0		
Sun Prairie	SP29E22	EN	B	82.6	9/13	1.2	34.1	71.0	90.5	86.3		
Sun Prairie	SP29F22	RF	B	82.3	9/16	2.8	38.6	76.9	94.2	75.7		
Sun Prairie	SP32F22	RF	B	81.6	9/19	1.8	36.6	70.3	91.9	82.5		
Xitavo	XO 2921E	EN	B	75.3	9/16	1.1	37.2	65.7	80.0	80.4		
Xitavo	XO 3131E	EN	B	78.5	9/21	2.1	38.0	66.8	86.6	82.0		
	AVERAGE			79.5	9/18	2.1	38.1	72.5	86.1	79.9		
	L.S.D. 25% LEVEL			3.5		0.0	1.5	3.3	5.3	3.5		
	COEFF. OF VAR. (%)			8.0		0.0	7.3	4.8	6.5	4.6		

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

**2021 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 0-9	Height in					
Late MG: 3.6-4.3												
Asgrow	AG37XF2	RF	B	77.7	9/22	2.1	41.4	71.9	84.5	76.7		
Asgrow	AG38XF1	RF	B	81.1	9/24	2.0	41.5	77.1	81.0	85.2		
Asgrow	AG40XF1	RF	B	79.6	9/23	1.9	43.9	72.2	87.5	79.1		
Baird Seed	BHP 3887Y	CV	B	73.9	9/23	4.4	44.9	70.3	79.7	71.6		
Baird Seed	Illini 3648N	CV	B	77.0	9/18	1.6	35.9	69.4	81.0	80.5	78.1	77.6
Baird Seed	Illini 3855N	CV	B	77.9	9/20	1.1	35.3	71.8	83.7	78.2	77.6	76.8
Baird Seed	Illini 3989N	CV	B	75.3	9/23	2.2	41.1	68.9	82.2	74.8	76.0	
Beck's	3510E3	EN	B	83.9	9/21	1.4	36.5	76.9	88.0	86.8		
Beck's	3555XF	RF	B	81.1	9/20	1.2	37.8	70.5	90.3	82.6		
Burrus	3859E	EN	B	81.1	9/25	1.6	36.6	72.5	92.6	78.2		
Channel	3721RXF	RF	Be	79.0	9/23	2.1	41.8	77.0	84.6	75.5		
Cornelius	CB37XF97	RF	Bs	80.1	9/21	3.1	43.9	72.4	91.2	76.8		
Cornelius	CB39XF19	RF	Bs	83.0	9/23	2.7	42.6	76.1	94.2	78.7		
DONMARIO	DM3756E	EN	B	81.6	9/22	2.1	36.5	72.2	91.0	81.5	80.8	79.6
DONMARIO	DM37C62S	CV	B	80.5	9/22	2.6	40.9	74.7	86.7	80.0		
DONMARIO	DM37F51	RF	B	82.2	9/19	1.5	37.3	72.5	92.2	82.0		
DONMARIO	DM39F62	RF	B	78.3	9/27	3.6	48.5	72.2	88.0	74.6		
DONMARIO	DM40E62	EN	B	71.6	9/30	3.1	40.2	67.2	75.8	71.8		
DONMARIO	DM41C51	CV	B	80.6	9/26	3.1	37.7	72.0	87.4	82.5	82.0	
DONMARIO	DM42F62	RF	B	80.6	9/29	3.6	45.0	71.0	91.6	79.3		
Dyna-Gro	S3681STS	CV/ST	Bs	84.2	9/20	2.2	37.3	78.8	87.7	85.9	82.5	
Dyna-Gro	S37ES52	EN/ST	Bs	83.8	9/21	1.9	37.5	76.6	88.8	86.1		
Dyna-Gro	S37XF42	RF	Bs	78.5	9/21	1.6	43.4	73.1	84.8	77.7		
GENESIS	G3660E	EN	B	82.5	9/24	1.3	40.1	76.2	85.2	86.2		
GENESIS	G3960E	EN	B	78.4	9/22	0.9	35.3	68.2	89.9	77.1		
Golden Harvest	GH3732XF	RX	Bs	85.7	9/19	1.5	42.4	76.5	94.3	86.3		
Golden Harvest	GH3762E3S	EN	Bs	82.2	9/20	2.7	43.3	70.1	94.3	82.3		
Golden Harvest	GH3952XF	RX	Bs	77.5	9/21	1.8	40.8	65.3	85.7	81.4		
Lakeview Farms	LVF3641	CV	Bn	77.8	9/19	1.9	36.3	69.3	82.0	82.0		
Lakeview Farms	LVF3648	CV	Bn	73.8	9/23	1.7	38.7	67.0	77.8	76.6		
Lakeview Farms	LVF3731	CV	Bn	80.4	9/21	2.0	36.9	74.0	87.1	80.1		
Lakeview Farms	LVF3831	CV	Bn	78.8	9/18	1.0	34.7	71.6	86.6	78.2		
Lakeview Farms	LVF3949	CV	Bn	77.1	9/24	2.7	41.9	71.6	80.6	79.0		
Martin	M36-E3	EN	B	84.5	9/23	1.5	38.5	75.1	91.1	87.1		
NuTech	37N01E	EN	B	79.2	9/22	1.6	36.6	74.7	83.2	79.7		
NuTech	39N04E	EN	B	81.9	9/24	1.9	36.0	71.6	91.3	82.7	82.4	
NuTech	39N05E	EN	B	81.5	9/22	1.8	37.2	74.9	88.8	80.9	82.2	
NuTech	41N03E	EN	B	74.0	9/29	2.4	41.0	66.0	80.8	75.1	74.9	
P3 Genetics	2039E	EN	Bs	82.9	9/27	1.9	38.2	78.9	88.7	81.1	82.3	79.7
Pioneer	P38A49L	LL	B	85.4	9/25	2.1	42.0	80.8	85.4	90.1	81.9	
Pioneer	P38T76E	EN	B	82.2	9/24	2.3	34.9	76.2	86.5	83.9		
Public	Dwight	CV	B	65.1	9/14	3.8	40.1	58.4	71.1	65.8		
Public	Williams 82	CV	B	59.1	9/20	4.2	46.5	55.8	65.8	55.6	58.8	57.4
Renk	R392NFX	RF	B	81.0	9/26	3.0	42.3	72.9	93.2	76.8		
Stone Seed	2XF3731	RF	Be	79.7	9/24	2.2	42.1	76.1	81.8	81.1		
Sun Prairie	SP36E22	EN	B	83.6	9/22	2.2	39.4	71.2	88.0	91.7		
Sun Prairie	SP36F22	RF	B	77.2	9/25	2.3	43.7	66.9	85.8	78.9		
Sun Prairie	SP37E22	EN	B	75.7	9/24	2.5	39.8	65.0	84.2	77.8		
Virtue	V3720S	CV	B	79.0	9/23	1.8	39.7	72.3	88.6	76.1		
Xitavo	XO 3651E	EN	B	80.9	9/24	1.9	38.4	75.6	83.3	84.0		
Xitavo	XO 3861E	EN	B	84.7	9/23	1.4	34.4	77.8	90.7	85.6		
Xitavo	XO 4371E	EN	B	79.6	9/29	2.9	40.8	75.4	82.2	81.3		
	AVERAGE			79.4	9/22	2.2	39.8	72.3	86.0	79.8		
	L.S.D. 25% LEVEL			3.1		0.0	1.6	2.9	4.5	3.3		
	COEFF. OF VAR. (%)			7.1		0.0	7.2	4.3	5.5	4.4		

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

Region 3: Trial location information

Location	Perry	New Berlin	Urbana
County	Pike	Sangamon	Chamapign
Host	Luke Merritt	Leahy Bennett	Nick Eisenmenger
Soil type	Ipava silt loam	Sabble silty clay loam	Flanagan silt loam
Planting date	May 7, 2021	May 7, 2021	May 12, 2021
Harvest date	September 30, 2021	October 20, 2021	October 4, 2021

Pesticides

PRE	Authority First, Zidua	Authority First, Zidua	Authority First, Zidua
POST	Phoenix, First Rate, Zidua	Phoenix, First Rate, Zidua	Phoenix, First Rate, Zidua
Fungicide	None	Headline AMP	None

Tillage

Spring	Field cultivate	Field cultivator	Field cultivator
Fall	Chisel	Disk ripper	Chisel
Latitude	39.7906767	39.81979871	40.06020365
Longitude	-90.82732182	-89.94720407	-88.2283236

RainFall

April	3.7	2.8	1.9
May	4.8	4.8	3.6
June	7.5	6.4	7.8
July	5.7	6.4	4.2
August	1.8	7.3	2.0
September	1.0	1.8	3.0
Total	24.5	29.5	22.5

Region 4: Trial location information

Location	St Peter	Belleville
County	Fayette	St. Clair
Host	Russ Schwarm	David and Dan Tiedeman
Soil type	Bluford silt loam	Edwardsville silt loam
Planting date	May 15, 2021	May 14, 2021
Harvest date	October 19, 2021	October 22, 2021

Pesticides

PRE	Authority First, Zidua	Authority First, Zidua
POST	Phoenix, First Rate, Zidua	Phoenix, First Rate, Zidua
Fungicide	None	

Tillage

Spring	Field cultivator	Field cultivator
Fall	None	None
Latitude	39.01767709	38.53341441
Longitude	-89.09881688	-89.89438565

RainFall

April	1.5	2.9
May	4.3	2.7
June	4.3	5.1
July	8.5	6.2
August	4.3	3.1
September	1.5	2.8
Total	24.4	22.8

2021 Soybean Test Results Region 4 Early

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				St. Peter Yield bu/a	Belleville Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0--9	Height in				
Early MG: 3.3-3.9											
AgVenture	AV38V3E	EN	B	78.6	9/23	1.3	35.7	74.5	82.8		
AgVenture	AV39V7E	EN	B	74.6	9/27	1.5	36.5	78.3	70.8	72.5	
AgVenture	AV39V8E	EN	B	79.1	9/25	0.5	37.5	72.9	85.4		
Asgrow	AG33XF2	RF	B	74.4	9/24	1.2	37.5	70.8	78.1		
Asgrow	AG35XF1	RF	B	74.2	9/24	1.3	37.8	72.5	75.9		
Asgrow	AG37XF2	RF	B	71.5	9/24	1.5	39.7	68.6	74.4		
Asgrow	AG38XF1	RF	B	78.4	9/25	0.8	41.1	73.3	83.4		
Baird Seed	BHP 3887Y	CV	B	61.6	9/25	2.5	44.8	59.0	64.2		
Baird Seed	Illini 3855N	CV	B	75.6	9/18	0.8	33.5	74.8	76.3	72.8 70.5	
Baird Seed	Illini 3989N	CV	B	75.9	9/29	1.5	38.8	69.1	82.8	75.4	
Burrus	3859E	EN	B	78.1	9/25	0.8	36.1	76.0	80.2		
Channel	3521RXF	RF	Be	76.8	9/21	1.2	35.1	72.8	80.8		
Channel	3721RXF	RF	Be	80.8	9/23	2.0	41.3	80.9	80.8		
DONMARIO	DM3756E	EN	B	74.1	9/21	1.5	34.6	69.5	78.7	74.7 75.5	
DONMARIO	DM37C62S	CV	B	74.2	9/25	1.7	41.3	69.7	78.7		
DONMARIO	DM37F51	RF	B	80.3	9/19	1.0	35.9	78.7	81.8		
DONMARIO	DM3932E	EN	B	78.6	9/26	1.7	38.4	77.6	79.6	77.6 78.8	
DONMARIO	DM39F62	RF	B	72.3	9/28	2.0	46.5	73.4	71.2		
Dyna-Gro	S37ES52	EN/ST	Bs	77.6	9/27	1.8	36.2	82.5	72.7		
Dyna-Gro	S37XF42	RF	Bs	72.5	9/22	0.8	39.1	72.8	72.2		
Dyna-Gro	S3961STS	CV/ST	Bs	77.2	9/26	1.0	40.7	78.8	75.5	75.2	
Dyna-Gro	S39XF41	RF/ST	Bs	72.1	9/26	1.5	39.3	63.0	81.1		
Hoffman	H393N	CV	B	76.6	9/26	1.5	38.9	77.6	75.6	73.6 72.9	
Hoffman	H39E22	EN	B	78.2	9/25	0.8	35.5	73.6	82.8		
NuTech	35N05E	EN	B	72.1	9/22	1.7	38.7	68.8	75.3		
NuTech	37N01E	EN	B	78.2	9/26	1.5	37.6	74.5	81.8		
NuTech	39N04E	EN	B	70.7	9/22	1.0	33.1	62.0	79.5	73.0	
NuTech	39N05E	EN	B	78.1	9/27	0.7	36.5	75.5	80.7	71.6	
Pioneer	P34T21SE	EN	B	74.8	9/21	1.3	38.9	69.0	80.7		
Pioneer	P35T15E	EN	B	73.8	9/22	1.7	39.3	69.7	78.0		
Pioneer	P38A49L	LL	B	78.3	9/24	0.7	39.8	70.6	85.9	76.1	
Pioneer	P38T76E	EN	B	78.4	9/27	1.3	35.1	75.4	81.5		
Public	Williams 82	CV	B	56.9	9/28	2.5	44.7	57.4	56.4		
Stone Seed	2XF3531	RF	Be	75.7	9/22	1.2	34.6	71.7	79.7		
Stone Seed	2XF3731	RF	Be	74.7	9/23	2.0	41.3	74.6	74.9		
Stone Seed	2XF4231-SR	RF	Be	73.7	9/29	0.8	47.1	68.5	78.8		
Xitavo	XO 3651E	EN	B	79.7	9/21	1.7	37.8	77.7	81.8		
Xitavo	XO 3861E	EN	B	79.2	9/22	1.0	33.9	80.1	78.3		
	AVERAGE			74.9	9/24	1.4	38.5	72.5	77.3		
	L.S.D. 25% LEVEL			5.2		0.0	2.1	3.9	4.4		
	COEFF. OF VAR. (%)			10.4		0.0	8.2	5.7	6.0		

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

**2021 Soybean Test Results
Region 4 Late**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				St. Peter Yield bu/a	Belleville Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0--9	Height in				
Late MG: 4.0-4.7											
AgVenture	AV40V7E	EN	B	67.5	9/30	0.7	39.3	63.9	71.1	70.0	
AgVenture	AV43V6E	EN	B	77.1	9/28	1.8	39.3	72.7	81.5	76.7	
AgVenture	AV43V8LL	LL	B	77.7	9/30	0.8	42.8	79.9	75.4	78.9	
AgVenture	AV46V2E	EN	B	73.7	9/29	1.2	35.5	70.5	77.0		
AgVenture	AV46V9LL	LL	B	83.1	10/3	1.3	42.8	83.9	82.3		
AgVenture	AV47V4LL	LL	B	81.3	9/29	1.0	41.2	78.5	84.1	80.3	
Asgrow	AG40XF1	RF	B	82.6	9/30	1.3	43.4	85.3	79.8		
Asgrow	AG43XF2	RF	B	77.0	10/3	1.0	39.4	75.5	78.5		
Asgrow	AG47XF0	RF	B	70.1	10/1	0.8	41.6	68.5	71.6		
Baird Seed	Illini 4218N	CV	B	75.5	9/23	1.5	38.3	81.8	69.3	74.5	
Baird Seed	Illini 4300N	CV	B	73.1	9/26	0.8	35.4	69.5	76.7	74.2	
DONMARIO	DM40E62	EN	B	70.3	9/30	1.5	37.2	70.9	69.7		
DONMARIO	DM41C51	CV	B	72.1	9/30	2.0	38.2	73.0	71.2		
DONMARIO	DM42F62	RF	B	74.7	9/29	1.8	41.4	68.3	81.1		
Dyna-Gro	S40XF21S	RF/ST	Bs	72.4	9/28	1.2	44.8	72.0	72.8		
Dyna-Gro	S4122STS	CV/ST	Bs	69.3	9/30	2.3	40.5	68.2	70.4		
Dyna-Gro	S41EN72	EN	Bs	80.0	9/30	1.8	38.9	79.2	80.8		
Dyna-Gro	S41ES80	EN/ST	Bs	77.4	10/2	1.2	38.4	72.7	82.1	75.4	
Hoffman	H41E22	EN	B	75.2	9/30	2.0	37.6	68.6	81.9		
Hoffman	H420N	CV	B	76.2	9/26	1.2	39.7	74.7	77.6	74.4	
Hoffman	H46E21	EN	B	70.6	10/2	1.2	44.2	69.4	71.8	67.8	
Missouri	S09-13608C	CV	B	61.8	10/3	1.7	45.0	58.4	65.2		
Missouri	S16-12137C	CV	B	71.3	10/4	1.5	48.5	66.7	76.0		
Missouri	S16-14730C	CV	B	64.3	10/4	1.5	39.7	65.5	63.1		
Missouri	S16-5540R	RR	B	69.5	10/8	2.0	40.5	64.4	74.6		
Missouri	S17-2193C	CV	B	67.6	10/5	1.2	47.1	61.7	73.5		
Missouri	S17-2243C	CV	B	72.1	10/1	0.7	44.8	67.2	76.9		
NuTech	41N03E	EN	B	75.2	9/30	0.8	38.4	74.5	75.9	72.0	
NuTech	43N04E	EN	B	81.7	9/27	2.2	39.8	85.5	78.0	78.1	
NuTech	46N02E	EN	B	71.9	10/1	0.7	37.3	67.5	76.4	72.8	
Pioneer	P40T19E	EN	B	74.0	9/26	1.0	33.9	69.5	78.6		
Pioneer	P42T31E	EN	B	71.1	9/29	1.8	38.8	68.2	74.1		
Pioneer	P44A37L	LL	B	70.8	10/1	0.7	43.1	66.1	75.4	73.0	
Virtue	V4122S	CV	B	75.2	10/1	1.8	39.9	75.4	74.9		
Xitavo	XO 4371E	EN	B	72.4	10/1	1.8	38.2	75.6	69.2		
	AVERAGE			72.9	9/29	1.5	40.1	71.2	74.6		
	L.S.D. 25% LEVEL			4.9		0.0	1.8	2.6	4.0		
	COEFF. OF VAR. (%)			10.0		0.0	6.8	3.9	5.6		

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

2021 Soybean Test Results Region 5 Early

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				Elkville Yield bu/a	Harrisburg Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-9	Height in				
Early MG: 3.4-4.0											
AgVenture	AV38V3E	EN	B	74.2	9/23	1.0	30.5	74.4	73.9		
AgVenture	AV39V7E	EN	B	68.8	9/24	1.2	32.0	68.9	68.7	72.4	
AgVenture	AV39V8E	EN	B	72.4	9/22	0.2	31.6	68.6	76.3		
AgVenture	AV40V7E	EN	B	73.6	9/28	0.8	36.8	70.5	76.8	72.5	71.4
Asgrow	AG33XF2	RF	B	69.0	9/19	0.8	33.2	63.5	74.4		
Asgrow	AG35XF1	RF	B	73.5	9/23	1.0	33.3	69.4	77.5		
Asgrow	AG37XF2	RF	B	69.4	9/18	1.0	34.3	60.3	78.4		
Asgrow	AG38XF1	RF	B	75.4	9/24	0.8	33.6	70.0	80.8		
Asgrow	AG40XF1	RF	B	76.5	9/24	1.2	37.2	74.1	78.8		
Baker	3923NRXF	RF	F	73.3	9/24	1.5	36.6	66.6	80.0		
Channel	3521RXF	RF	Be	66.2	9/18	0.7	30.3	62.4	70.1		
Channel	3721RXF	RF	Be	67.6	9/22	1.8	36.8	64.5	70.7		
DONMARIO	DM3756E	EN	B	77.0	9/21	1.0	30.6	72.6	81.5	77.5	78.5
DONMARIO	DM37C62S	CV	B	66.9	9/18	1.2	34.7	59.2	74.7		
DONMARIO	DM37F51	RF	B	68.9	9/18	0.8	31.8	63.4	74.4		
DONMARIO	DM39F62	RF	B	72.0	9/24	1.7	41.4	68.8	75.1		
DONMARIO	DM40E62	EN	B	72.2	9/25	0.7	34.8	65.9	78.4		
Dyna-Gro	S39XF41	RF/ST	Bs	75.8	9/25	1.3	38.1	73.9	77.8		
Dyna-Gro	S40XF21S	RF/ST	Bs	71.2	9/26	1.0	40.6	69.7	72.8		
Hoffman	H393N	CV	B	70.4	9/23	1.0	33.4	69.3	71.5	70.7	69.7
Hoffman	H39E22	EN	B	68.5	9/23	0.7	32.1	65.2	71.7		
NuTech	39N04E	EN	B	72.0	9/21	0.7	29.8	70.9	73.1	73.6	
NuTech	39N05E	EN	B	72.4	9/22	1.0	31.8	70.8	74.0	74.5	
Pioneer	P34T21SE	EN	B	71.3	9/16	1.0	33.0	62.4	80.3		
Pioneer	P35T15E	EN	B	74.5	9/19	1.0	33.0	69.5	79.4		
Pioneer	P38A49L	LL	B	72.1	9/20	1.5	36.4	65.0	79.3	71.9	
Pioneer	P38T76E	EN	B	68.8	9/18	1.3	29.9	65.5	72.2		
Pioneer	P40T19E	EN	B	76.5	9/24	1.0	31.3	77.2	75.7		
Stone Seed	2XF3632	RF	Be	70.7	9/18	1.3	35.3	67.2	74.2		
Stone Seed	2XF4231-SR	RF	Be	71.3	9/25	0.7	40.1	70.9	71.7		
Xitavo	XO 3651E	EN	B	76.4	9/20	0.8	33.4	70.6	82.1		
Xitavo	XO 3861E	EN	B	69.4	9/22	1.0	28.1	67.0	71.9		
	AVERAGE			71.9	9/22	1.0	34.7	68.5	75.3		
	L.S.D. 25% LEVEL			4.4		0.0	2.0	3.9	3.7		
	COEFF. OF VAR. (%)			9.1		0.0	8.4	5.9	5.2		

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

**2021 Soybean Test Results
Region 5 Late**

COMPANY	NAME	Herbicide Trait	ST ¹	Regional Results				Elkville Yield bu/a	Harrisburg Yield bu/a	2 yr Avg Yield bu/a	3 yr Avg Yield bu/a
				Yield bu/a	Maturity Date	Lodging 0-9	Height in				
Late MG: 4.1-4.7											
AgVenture	AV43V6E	EN	B	78.7	9/26	1.8	36.2	75.2	82.3	76.9	
AgVenture	AV43V8LL	LL	B	78.0	9/28	1.3	38.5	70.2	85.8	75.9	
AgVenture	AV46V2E	EN	B	78.5	9/28	1.2	32.6	77.0	79.9		
AgVenture	AV46V9LL	LL	B	84.6	9/30	1.0	40.0	78.7	90.4		
AgVenture	AV47V4LL	LL	B	84.7	9/27	1.2	38.0	79.7	89.8	80.0	
Asgrow	AG43XF2	RF	B	82.7	9/29	0.3	37.1	78.7	86.7		
Asgrow	AG47XF0	RF	B	78.4	10/1	1.5	38.5	75.4	81.4		
DONMARIO	DM41C51	CV	B	74.5	9/25	1.2	34.4	69.4	79.6		
DONMARIO	DM42F62	RF	B	77.0	9/27	1.2	38.8	71.8	82.2		
Dyna-Gro	S4122STS	CV/ST	Bs	74.7	9/23	1.0	36.6	64.2	85.2		
Dyna-Gro	S41EN72	EN	Bs	80.4	9/25	1.8	35.7	73.8	87.0		
Dyna-Gro	S41ES80	EN/ST	Bs	73.7	9/27	1.0	33.7	68.9	78.4		
Dyna-Gro	S43EN61	EN	Bs	75.2	9/24	1.3	37.7	76.4	74.0	76.0	
Dyna-Gro	S45ES10	EN/ST	Bs	74.5	9/29	1.0	36.9	73.4	75.6	72.7	
Dyna-Gro	S46XF31S	RF/ST	Bs	80.8	10/2	1.3	39.9	78.0	83.6		
Hoffman	H41E22	EN	B	79.3	9/25	1.7	33.6	77.4	81.2		
Hoffman	H420N	CV	B	73.1	9/24	0.7	37.8	68.5	77.8		
Hoffman	H46E21	EN	B	74.6	9/29	1.0	41.0	71.5	77.7	70.2	
Missouri	S09-13608C	CV	B	66.8	9/30	1.3	37.4	63.4	70.2		
Missouri	S16-12137C	CV	B	67.1	9/28	1.8	44.9	61.5	72.7		
Missouri	S16-14730C	CV	B	71.6	9/27	1.2	37.3	69.1	74.0		
Missouri	S16-5540R	RR	B	72.2	10/4	2.7	37.1	72.9	71.6		
Missouri	S17-2193C	CV	B	71.8	10/3	2.0	43.1	64.2	79.4		
Missouri	S17-2243C	CV	B	72.1	9/29	1.2	39.9	65.8	78.4		
NuTech	41N03E	EN	B	76.2	9/26	1.2	35.2	72.6	79.9		
NuTech	43N04E	EN	B	78.2	9/25	1.7	35.8	78.0	78.5	77.0	
NuTech	46N02E	EN	B	73.1	9/28	1.2	32.5	68.2	77.9	73.1	
Pioneer	P42T31E	EN	B	80.7	9/27	1.7	35.7	77.9	83.5		
Pioneer	P44A37L	LL	B	75.7	9/29	0.7	39.1	72.4	79.0	72.6	
Stone Seed	2XF4442-SR	RF	Be	72.8	9/26	0.8	40.4	67.9	77.6		
Xitavo	XO 4371E	EN	B	74.3	9/27	0.5	35.7	73.0	75.6		
	AVERAGE			75.9	9/27	1.2	37.9	72.3	79.5		
	L.S.D. 25% LEVEL			4.1		0.0	1.6	4.1	4.3		
	COEFF. OF VAR. (%)			7.9		0.0	6.3	5.9	5.7		

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

Region 5: Trial location information

Location	Elkville	Harrisburg
County	Jackson	Saline
Host	John and Trent Funk	David and Dan Tiedeman
Soil type	Cisne silt loam	Zipp silt loam
Planting date	May 14, 2021	May 14, 2021
Harvest date	October 19, 2021	October 18, 2021

Pesticides

PRE	Authority First, Zidua	Authority First, Zidua
POST	Phoenix, First Rate, Zidua	
Fungicide	None	

Tillage

Spring	Field cultivator	Field cultivator
Fall	Chisel	None
Latitude	37.96253966	37.73593639
Longitude	-89.09025876	-88.46540723

RainFall

April	3.5	2.4
May	3.6	4.5
June	3.6	3.3
July	4.6	4.8
August	3.0	4.0
September	4.0	1.9
Total	22.3	20.9