

Test by: F.I.R.S.T. MSR, Inc. Columbia, MO

## 2021 Soybeans Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO  
Dale & Kyle Samp, Randolph County, MO

<b>Early-Season Test</b>	3.2 - 3.7 Day CRM S2021MONO03a
<b>Top 30 of 44</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Distinct, Bicep Ii Magnum, Mustang Max, Callisto, Atrazine, Roundup
<b>SOIL DESCRIPTION:</b>	Mexico silt loam, mod. poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	high P, high K, 6.0 pH, 2.7% OM, 13.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Minimum W/O Fall Till
<b>PEST MANAGEMENT:</b>	Prefix, Roundup Powermax
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEDED - RATE - ROW:</b>	Jun 11 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 10 133.3 /A

### TEST COMMENTS:

The site had excellent soil conditions at planting. Plenty of heat in the first half of June here. Most days between planting and emergence were 90 degrees plus. The trial was quick to emerge with very uniform stands and consistent conditions across both tests. Multiple 1-2 in. rain events scattered throughout July and August allowed yield to finish out well. There was zero green stem at harvest. The trial looked great all year.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dyna-Gro	S35XF72 ↗	RXF	3.5	R	<b>62.6</b>	12.2	1	139.3	751	1
Midland Genetics	3522XF ↗	RXF	3.5	MR	<b>62.1</b>	12.2	1	137.7	745	2
FS HISOY	35E10 ↗	E3	3.5	R	<b>60.8</b>	12.3	3	130.0	730	3
Lewis	3325XF ↗	RXF	3.3	R	<b>60.6</b>	12.6	2	133.7	727	4
Lewis	3623XF ↗	RXF	3.6	R	<b>60.2</b>	12.9	1	128.0	722	5
Xitavo	XO 3402E ↗	E3	3.4	R	<b>60.2</b>	12.3	4	128.0	722	6
NuTech	34N06E ↗	E3	3.4	R	<b>60.0</b>	12.4	4	116.3	720	7
Midland Genetics	3392E3 ↗	E3	3.3	R	<b>59.6</b>	12.2	3	137.3	715	8
Hoegemeyer	3591 E ↗	E3	3.5	R	59.3	12.6	3	128.0	712	9
Xitavo	XO 3651E ↗	E3	3.6	R	59.2	12.6	6	143.0	710	10
Donmario	DM3756E ↗	E3	3.7	R	59.0	12.4	3	133.7	708	11
AgriGold	G3630XF ↗	RXF	3.6	R	59.0	12.8	6	133.3	708	12
Midland Genetics	3591E3 ↗	E3	3.5	MR	59.0	12.5	7	128.0	708	13
Lewis	3713XF ↗	RXF	3.7	R	58.9	12.8	1	139.3	707	14
AgriGold	G3649E3 ↗	E3	3.6	R	58.7	12.5	3	129.7	704	15
AgriGold	G3490XF ↗	RXF	3.4	R	58.5	12.2	2	135.3	702	16
NuTech	37N01E ↗	E3	3.7	R	58.5	12.6	2	137.7	702	17
Xitavo	XO 3341E ↗	E3	3.3	R	58.4	12.6	4	133.7	701	18
Golden Harvest	GH3442XF ↗	RXF	3.4	MR	58.4	12.1	3	137.3	701	19
Donmario	DM37F51 ↗	RXF	3.7	NA	58.2	12.5	1	131.7	698	20
Burrus	3642E ↗	E3	3.6	R	58.1	12.4	4	139.3	697	22
Asgrow	AG35XF1 § ↗	RXF	3.5	R	57.4	12.6	6	125.7	689	23
Stine	36EB32 § ↗	E3	3.6	R	56.7	12.5	5	135.7	680	24
Hoegemeyer	3421 SE ↗	E3,ST	3.4	R	56.7	12.7	3	133.7	680	25
Xitavo	XO 3752E ↗	E3,ST	3.7	R	56.7	12.3	4	139.3	680	26
Pioneer	P38T05E § ↗	E3	3.8	R	56.2	12.4	1	131.7	674	27
NuTech	35N03E ↗	E3	3.5	R	56.2	12.9	4	134.0	674	28
FS HISOY	37E10 ↗	E3	3.7	R	55.8	12.3	1	131.7	670	29
Dyna-Gro	S37ES52 ↗	E3	3.7	R	55.7	12.3	1	132.0	668	30
Stine	35EE32 § ↗	E3	3.5	R	55.5	12.3	8	141.3	666	31
Pioneer	P41T07E CK	E3	4.1	MR	58.1	13.0	3	131.7	697	21
					Averages =	<b>57.1</b>	<b>12.5</b>	<b>3</b>	<b>133.3</b>	<b>685</b>
					LSD (0.10) =	2.5	0.2	3		
					LSD (0.25) =	1.3	0.1	2		
					C.V. =	4.1				
					Historic yield: 59.53 bu/a, 1 yr(s)					

William Schelp

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**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.00; non-GMO = \$12.00

Report Date: 10/13/2021

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com

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## 2021 Soybeans Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO  
Dale & Kyle Samp, Randolph County, MO

<b>Full-Season Test</b>	3.8 - 4.3 Day CRM S2021MONO03b
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Distinct, Bicep li Magnum, Mustang Max, Callisto, Atrazine, Roundup
<b>SOIL DESCRIPTION:</b>	Mexico silt loam, mod. poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	high P, high K, 6.0 pH, 2.7% OM, 13.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Minimum W/O Fall Till
<b>PEST MANAGEMENT:</b>	Prefix, Roundup Powermax
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEDED - RATE - ROW:</b>	Jun 11 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 10 130.2 /A

### TEST COMMENTS:

The site had excellent soil conditions at planting. Plenty of heat in the first half of June here. Most days between planting and emergence were 90 degrees plus. The trial was quick to emerge with very uniform stands and consistent conditions across both tests. Multiple 1-2 in. rain events scattered throughout July and August allowed yield to finish out well. There was zero green stem at harvest. The trial looked great all year.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 3861E ↗	E3,ST	3.8	R	<b>63.3</b>	12.4	1	126.0	760	1
Donmario	DM3932E ↗	E3	3.9	R	<b>62.0</b>	12.5	1	132.0	744	2
Midland Genetics	3999E3 ↗	E3	3.9	R	<b>61.8</b>	12.5	2	129.7	742	3
NuTech	43N04E ↗	E3	4.3	R	<b>61.5</b>	12.8	5	128.0	738	4
Asgrow	AG41XF2 § ↗	RXF	4.1	R	<b>61.3</b>	12.9	2	132.0	736	5
Asgrow	AG40XF1 § ↗	RXF	4.0	R	<b>60.6</b>	12.6	6	137.3	727	6
Lewis	3910XF ↗	RXF	3.9	R	<b>60.0</b>	12.6	3	133.7	720	7
Hoegemeyer	3921 E ↗	E3	3.9	R	<b>59.7</b>	12.2	1	127.7	716	8
Hoegemeyer	4081 SE ↗	E3,ST	4.0	R	<b>59.6</b>	12.5	1	122.0	715	9
FS HiSOY	40F10 ↗	RXF	4.0	R	<b>59.6</b>	12.7	20	118.0	715	10
AgriGold	G3724XF ↗	RXF	3.7	R	<b>59.5</b>	12.7	2	133.7	714	11
Xitavo	XO 4132E ↗	E3	4.1	R	<b>59.5</b>	12.8	6	131.7	714	12
Burrus	3859E ↗	E3	3.8	R	<b>59.2</b>	13.3	4	137.3	710	13
Dyna-Gro	S41EN72 ↗	E3	4.1	R	<b>59.2</b>	12.8	5	118.0	710	14
FS HiSOY	42E10 ↗	E3,ST	4.2	R	<b>58.8</b>	12.6	2	131.3	706	15
Lewis	4211XF ↗	RXF	4.2	R	<b>58.8</b>	13.1	6	132.0	705	16
Midland Genetics	4221XFS ↗	RXF	4.2	MR	<b>58.7</b>	13.0	7	124.0	704	17
Lewis	4304XF ↗	RXF	4.3	R	<b>58.0</b>	12.6	3	127.7	696	18
Dyna-Gro	S40XF21S ↗	RXF,ST	4.0	R	<b>57.6</b>	13.3	9	130.0	691	19
Midland Genetics	3921XFS ↗	RXF	3.9	R	<b>57.3</b>	13.5	14	118.0	687	21
Lewis	4004XF ↗	RXF	4.0	R	<b>57.2</b>	12.4	4	121.7	686	22
Golden Harvest	GH4392XF ↗	RXF	4.3	MR	<b>57.1</b>	12.6	14	133.3	685	23
Credenz	CZ 4241GTLL ↗	LLGT27	4.2	NA	<b>56.8</b>	12.9	6	135.7	682	24
Golden Harvest	GH3952XF ↗	RXF	3.9	R	<b>56.3</b>	12.5	10	124.0	676	25
FS HiSOY	39E10 ↗	E3	3.9	R	<b>55.7</b>	12.9	3	125.7	668	26
AgriGold	G3957E3 ↗	E3	3.9	R	<b>55.7</b>	13.0	6	131.7	668	27
Dyna-Gro	S39XF41 ↗	RXF,ST	3.9	MR	<b>55.2</b>	12.5	12	126.0	662	28
Golden Harvest	GH3902E3S § ↗	E3,ST	3.9	R	<b>55.0</b>	12.6	9	135.3	660	29
Donmario	DM39F62 ↗	RXF	3.9	NA	<b>55.0</b>	12.8	17	129.7	660	30
NuTech	39N05E ↗	E3	3.9	R	<b>54.8</b>	12.2	2	137.7	658	31
Pioneer	P41T07E CK	E3	4.1	MR	<b>57.5</b>	13.0	1	133.7	690	20
					Averages =	<b>56.6</b>	<b>12.7</b>	<b>5</b>	<b>130.2</b>	<b>679</b>
					LSD (0.10) =	2.2	0.2	5		
					LSD (0.25) =	1.2	0.1	2		
					C.V. =	3.7				
					Historic yield: 59.53 bu/a, 1 yr(s)					

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**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.00; non-GMO = \$12.00

Report Date: 10/13/2021

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com

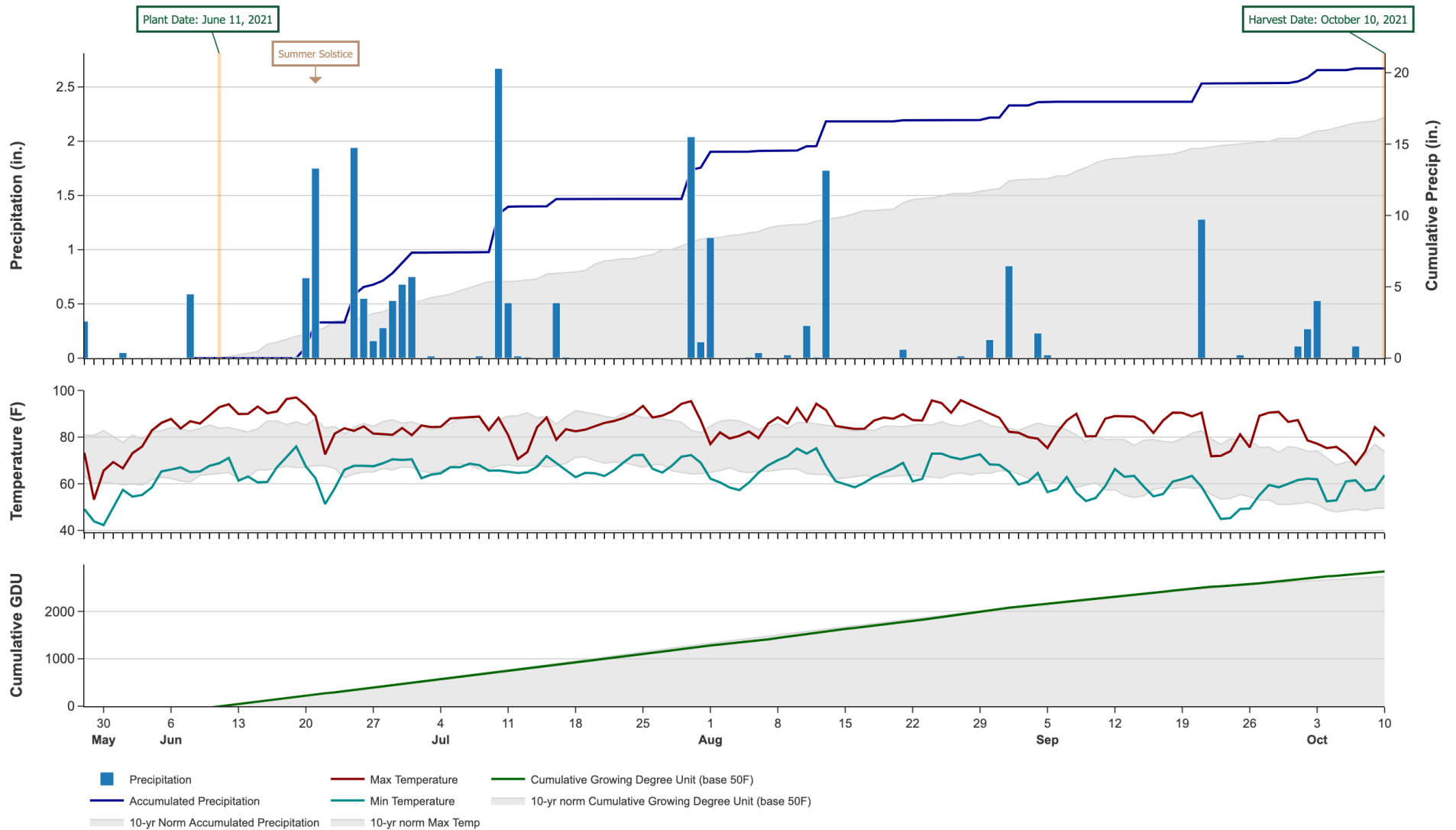
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# 2021 Soybeans - Missouri North [ MONO ]

## Weather Conditions Summary at CAIRO, MO

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	0.3   0.7 (-0.3)	7.3   5.3 (+2.0)	6.7   4.5 (+2.2)	3.5   3.5 (-0.0)	2.4   3.5 (-1.1)	1.0   1.5 (-0.4)	21.3   19.0 (+2.3)
GDU   Normal (Diff)	29   84 (-55)	715   721 (-6)	790   821 (-31)	791   761 (+29)	607   557 (+49)	182   114 (+67)	3114   3061 (+52)



\* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

## 2021 Soybeans - Missouri North [ MONO ]

### Early-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgriGold	G3490XF	RXF	R	3.4	ASfi,SA
AgriGold	G3630XF	RXF	R	3.6	ASfi,SA
AgriGold	G3649E3	E3	R	3.6	ASfi,SA
AgriGold	G3755E3	E3	R	3.7	ASfi,SA
Asgrow	AG35XF1 §	RXF	R	3.5	ACi
Burrus	3642E	E3	R	3.6	NA
Credenz	CZ 3750GTLL	LLGT27	R	3.7	PV,IL,OB
Donmario	DM3756E	E3	R	3.7	BPS-SDS
Donmario	DM37F51	RXF	NA	3.7	BPS-SDS
Dyna-Gro	S35XF72	RXF	R	3.5	EQV,SA
Dyna-Gro	S37ES52	E3	R	3.7	EQV,SA
Dyna-Gro	S37XF42	RXF	MR	3.7	EQV,SA
FS HiSOY	35E10	E3	R	3.5	ACi,B-200
FS HiSOY	35F10	RXF	R	3.5	ACi,B-200
FS HiSOY	37E10	E3	R	3.7	ACi,B-200
FS HiSOY	37F00	RXF	R	3.7	ACi,B-200
Golden Harvest	GH3442XF	RXF	MR	3.4	CMBV,SA
Golden Harvest	GH3512E3S	E3,ST	MR	3.5	CMBV,SA
Golden Harvest	GH3732XF §	RXF	R	3.7	CMBV,SA
Golden Harvest	GH3762E3S	E3,ST	MR	3.7	CMBV,SA
Hoegemeyer	3421 SE	E3,ST	R	3.4	Lum,Lu,IL
Hoegemeyer	3591 E	E3	R	3.5	Lum,Lu,IL
Lewis	3325XF	RXF	R	3.3	ACi
Lewis	3513XF	RXF	R	3.5	ACi
Lewis	3623XF	RXF	R	3.6	ACi
Lewis	3713XF	RXF	R	3.7	ACi
Midland Genetics	3392E3	E3	R	3.3	Edge-SST
Midland Genetics	3522XF	RXF	MR	3.5	Edge-SST
Midland Genetics	3591E3	E3	MR	3.5	Edge-SST
Midland Genetics	3722XFS	RXF	MR	3.7	Edge-SST
NK Brand	NK37-V4E3S	E3,ST	MR	3.7	CMBV,SA
NK Brand	NK37-Z9XF	RXF	R	3.7	CMBV,SA
NuTech	34N06E	E3	R	3.4	Lum,Lu,IL
NuTech	35N03E	E3	R	3.5	Lum,Lu,IL
NuTech	37N01E	E3	R	3.7	Lum,Lu,IL
Pioneer	P38T05E §	E3	R	3.8	NA
Pioneer	P38T76E §	E3	NA	3.8	NA
Pioneer	P41T07E CK	E3	MR	4.1	NA
Stine	35EE32 §	E3	R	3.5	SFI
Stine	36EB32 §	E3	R	3.6	NA
Xitavo	XO 3341E	E3	R	3.3	PV,IL,OB
Xitavo	XO 3402E	E3	R	3.4	PV,IL,OB

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB
Xitavo	XO 3752E	E3,ST	R	3.7	PV,IL,OB

\* FIRST does not inspect products for refuge blend. N\* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

## 2021 Soybeans - Missouri North [ MONO ]

### Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgriGold	G3724XF	RXF	R	3.7	ASfi,SA
AgriGold	G3957E3	E3	R	3.9	ASfi,SA
AgriGold	G4094XF	RXF	R	4.0	ASfi,SA
Asgrow	AG40XF1 §	RXF	R	4.0	ACi,IL
Asgrow	AG41XF2 §	RXF	R	4.1	ACi,IL
Burrus	3859E	E3	R	3.8	Treated
Credenz	CZ 3930GTLL	LLGT27	R	3.9	PV,IL,OB
Credenz	CZ 4241GTLL	LLGT27	NA	4.2	PV,IL,OB
Donmario	DM3932E	E3	R	3.9	BPS-SDS
Donmario	DM39F62	RXF	NA	3.9	CMBV
Donmario	DM40E62	E3	NA	4.0	CMBV
Dyna-Gro	S39XF41	RXF,ST	MR	3.9	EQV,SA
Dyna-Gro	S40XF21S	RXF,ST	R	4.0	EQV,SA
Dyna-Gro	S41EN72	E3	R	4.1	EQV,SA
FS HiSOY	39E10	E3	R	3.9	Treated
FS HiSOY	39F10	RXF	R	3.9	ACi,B-200
FS HiSOY	40F10	RXF	R	4.0	ACi,B-200
FS HiSOY	42E10	E3,ST	R	4.2	Treated
Golden Harvest	GH3902E3S §	E3,ST	R	3.9	CMBV,SA
Golden Harvest	GH3952XF	RXF	R	3.9	CMBV,SA
Golden Harvest	GH4072E3	E3	MR	4.0	CMBV,SA
Golden Harvest	GH4392XF	RXF	MR	4.3	CMBV,SA
Hoegemeyer	3921 E	E3	R	3.9	Lum,Lu,IL
Hoegemeyer	4081 SE	E3,ST	R	4.0	Lum,Lu,IL
Lewis	3910XF	RXF	R	3.9	ACi
Lewis	4004XF	RXF	R	4.0	ACi
Lewis	4211XF	RXF	R	4.2	ACi
Lewis	4304XF	RXF	R	4.3	ACi
Midland Genetics	3921XFS	RXF	R	3.9	Edge-SST
Midland Genetics	3999E3	E3	R	3.9	Edge-SST
Midland Genetics	4221XFS	RXF	MR	4.2	Edge-SST
Midland Genetics	4260E3S	E3,ST	MR	4.2	Edge-SST
NK Brand	NK39-A1XF §	RXF	R	3.9	CMBV,SA
NK Brand	NK40-U7E3	E3	R	4.0	CMBV,SA
NuTech	39N04E	E3	R	3.9	Lum,Lu,IL
NuTech	39N05E	E3	R	3.9	Lum,Lu,IL
NuTech	41N03E	E3	R	4.1	Lum,Lu,IL
NuTech	43N04E	E3	R	4.3	Lum,Lu,IL
Pioneer	P41T07E CK	E3	MR	4.1	NA
Stine	39EC22 §	E3	R	3.9	SFI
Stine	40EC20 §	E3	R	4.0	SFI
Xitavo	XO 3861E	E3,ST	R	3.8	PV,IL,OB

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB
Xitavo	XO 4371E	E3	R	4.3	PV,IL,OB

\* FIRST does not inspect products for refuge blend. N\* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

### Soybean Cyst Nematode (SCN) Resistance Rating

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies

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E3	Enlist™ E3
LLGT27	LibertyLink® GT27®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,B-200	Acceleron® Standard Insecticide-Fungicide, B-200 SAT
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ASfi,SA	AgriShield Max with Saltro®
BPS-SDS	Burrus PowerShield® SDS
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
Edge-	Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®,
SST	Optimize®, Saltro® (Midland Genetics)
EQV,SA	Equity VIP, Saltro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
Treated	Treated, unspecified

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\* Seed treatments may include unspecified plant health promoting components.