

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

## 2021 Soybeans Top 30 Harvest Report

Missouri North [MONO] GREENTOP, MO  
Terry Sevits, Schuyler County, MO 63546

<b>Early-Season Test</b>	Maturity Group <b>3.2 - 3.7</b> S2021MONO04a
<b>Top 30 of 44</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Brawl 2, Roundup
<b>SOIL DESCRIPTION:</b>	Edina-Seymour silty clay loam, moderately drained, non- irrigated
<b>SOIL CONDITION:</b>	low P, medium K, 5.9 pH, 2.5% OM, 14.6 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/O Fall Till
<b>PEST MANAGEMENT:</b>	Sonic, Zidua, Liberty
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 9 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 20 123.9 /A

### TEST COMMENTS:

*Unusually cold late May weather created challenges for crop establishment in parts of Missouri. Many soybean replant acres were reported and observed. On May 29th, the normal maximum low for this site is 57 degrees. This year the high did not leave the 40's on May 29th. The trial was planted as temperatures quickly rebounded in early June. There was plenty of rain early, although as Terry mentioned, "if we could have gotten another rain in August, it would have been even better". Half of the 4 in. of August rainfall came through on the last day of the month. No observed herbicide damage throughout the season. Small seed size and healthy test weight at harvest.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Donmario	DM37F51 ↗	RXF	3.7	NA	<b>61.6</b>	11.1	1	116.0	739	1
Stine	35EE32 § ↗	E3	3.5	R	<b>59.6</b>	11.1	1	120.0	715	2
Hoegemeyer	3591 E ↗	E3	3.5	R	<b>59.6</b>	11.1	1	129.7	715	3
NuTech	37N01E ↗	E3	3.7	R	<b>59.6</b>	11.0	1	124.0	715	4
Burrus	3642E ↗	E3	3.6	R	<b>59.4</b>	11.1	1	126.0	713	5
Midland Genetics	3392E3 ↗	E3	3.3	R	<b>59.1</b>	11.0	1	122.0	709	6
Asgrow	AG35XF1 § ↗	RXF	3.5	R	<b>58.9</b>	11.1	1	120.0	707	7
Pioneer	P38T05E § ↗	E3	3.8	R	58.6	11.1	1	124.0	703	8
Midland Genetics	3591E3 ↗	E3	3.5	MR	58.4	11.1	1	125.7	701	9
Xitavo	XO 3402E ↗	E3	3.4	R	58.3	11.1	1	131.7	700	10
NuTech	35N03E ↗	E3	3.5	R	58.2	11.1	1	122.0	698	11
Midland Genetics	3722XF5 ↗	RXF	3.7	MR	58.2	11.1	1	132.0	698	12
Stine	36EB32 § ↗	E3	3.6	R	58.0	11.1	1	129.3	696	13
Dyna-Gro	S37ES52 ↗	E3	3.7	R	57.9	11.0	1	128.0	695	14
FS HiSOY	35E10 ↗	E3	3.5	R	57.5	11.1	1	110.3	690	15
NK Brand	NK37-V4E3S ↗	E3,ST	3.7	MR	57.3	11.1	1	119.7	688	16
FS HiSOY	37E10 ↗	E3	3.7	R	57.0	11.0	1	132.0	684	17
AgriGold	G3649E3 ↗	E3	3.6	R	57.0	11.2	1	126.0	684	18
Hoegemeyer	3421 SE ↗	E3,ST	3.4	R	56.8	11.0	1	116.0	682	19
AgriGold	G3490XF ↗	RXF	3.4	R	56.8	11.1	1	122.0	682	20
AgriGold	G3755E3 ↗	E3	3.7	R	56.5	11.2	1	116.3	678	21
Lewis	3713XF ↗	RXF	3.7	R	56.4	11.0	1	124.0	677	22
AgriGold	G3630XF ↗	RXF	3.6	R	55.8	11.2	1	127.7	670	23
Lewis	3513XF ↗	RXF	3.5	R	55.5	11.0	1	126.0	666	24
Lewis	3623XF ↗	RXF	3.6	R	55.2	11.0	1	122.0	662	25
Golden Harvest	GH3732XF § ↗	RXF	3.7	R	55.2	11.1	1	122.0	662	26
Golden Harvest	GH3512E3S ↗	E3,ST	3.5	MR	55.2	11.1	1	122.0	662	27
Golden Harvest	GH3442XF ↗	RXF	3.4	MR	54.8	11.0	1	124.0	658	29
Xitavo	XO 3651E ↗	E3	3.6	R	54.6	11.1	1	122.0	655	30
Midland Genetics	3522XF ↗	RXF	3.5	MR	54.5	10.9	1	124.0	654	31
Pioneer	P41T07E CK	E3	4.1	MR	55.1	11.2	1	124.0	661	28
					Averages =	<b>55.9</b>	<b>11.1</b>	<b>1</b>	<b>123.9</b>	<b>669</b>
					LSD (0.10) =	2.9	ns	ns		
					LSD (0.25) =	1.5	ns	ns		
					C.V. =	4.8				
					Historic yield: 46.92 bu/a, 9 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: 10/21/2021

† 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] GREENTOP, MO  
Terry Sevits, Schuyler County, MO 63546

<b>Full-Season Test</b>	Maturity Group <b>3.8 - 4.3</b> S2021MONO04b
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Brawl 2, Roundup
<b>SOIL DESCRIPTION:</b>	Edina-Seymour silty clay loam, moderately drained, non- irrigated
<b>SOIL CONDITION:</b>	low P, medium K, 5.9 pH, 2.5% OM, 14.6 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/O Fall Till
<b>PEST MANAGEMENT:</b>	Sonic, Zidua, Liberty
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 9 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 20 125.3 /A

### TEST COMMENTS:

*Unusually cold late May weather created challenges for crop establishment in parts of Missouri. Many soybean replant acres were reported and observed. On May 29th, the normal maximum low for this site is 57 degrees. This year the high did not leave the 40's on May 29th. The trial was planted as temperatures quickly rebounded in early June. There was plenty of rain early, although as Terry mentioned, "if we could have gotten another rain in August, it would have been even better". Half of the 4 in. of August rainfall came through on the last day of the month. No observed herbicide damage throughout the season. Small seed size and healthy test weight at harvest.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Dyna-Gro	S41EN72 ↗	E3	4.1	R	<b>63.6</b>	11.5	1	116.3	763	1	
FS HiSOY	39E10 ↗	E3	3.9	R	<b>62.3</b>	11.4	1	127.7	748	2	
Xitavo	XO 3922E ↗	E3	3.9	R	<b>62.1</b>	11.6	1	135.7	745	3	
Golden Harvest	GH4392XF ↗	RXF	4.3	MR	<b>62.0</b>	11.6	1	129.7	744	4	
Xitavo	XO 3861E ↗	E3,ST	3.8	R	<b>62.0</b>	11.5	1	139.3	744	5	
Hoegemeyer	4081 SE ↗	E3,ST	4.0	R	61.4	11.4	1	126.0	737	6	
Lewis	4211XF ↗	RXF	4.2	R	61.4	11.6	1	120.0	737	7	
Xitavo	XO 4132E ↗	E3	4.1	R	61.0	11.4	1	114.0	732	8	
NuTech	41N03E ↗	E3	4.1	R	60.8	11.7	1	128.0	730	9	
AgriGold	G3957E3 ↗	E3	3.9	R	60.7	11.5	1	124.0	728	10	
Stine	39EC22 § ↗	E3	3.9	R	60.6	11.4	1	122.0	727	11	
Lewis	4304XF ↗	RXF	4.3	R	60.6	11.6	1	134.0	727	12	
Dyna-Gro	S40XF21S ↗	RXF,ST	4.0	R	60.4	11.6	1	116.3	725	14	
FS HiSOY	42E10 ↗	E3,ST	4.2	R	60.2	11.6	1	118.0	722	15	
NuTech	43N04E ↗	E3	4.3	R	60.1	11.5	1	120.0	721	16	
Midland Genetics	4221XFS ↗	RXF	4.2	MR	60.1	11.5	1	129.7	721	17	
Hoegemeyer	3921 E ↗	E3	3.9	R	60.0	11.6	1	128.0	720	18	
NuTech	39N05E ↗	E3	3.9	R	59.9	11.5	1	120.0	719	19	
Burrus	3859E ↗	E3	3.8	R	59.9	11.6	1	124.0	719	20	
Dyna-Gro	S39XF41 ↗	RXF,ST	3.9	MR	59.4	11.5	1	135.7	713	21	
Midland Genetics	3999E3 ↗	E3	3.9	R	59.3	11.4	1	116.0	712	22	
Midland Genetics	3921XFS ↗	RXF	3.9	R	59.0	11.6	1	127.7	708	23	
Asgrow	AG41XF2 § ↗	RXF	4.1	R	58.9	11.4	1	118.3	707	24	
Xitavo	XO 4371E ↗	E3	4.3	R	58.5	11.5	1	122.3	702	25	
Donmario	DM40E62 ↗	E3	4.0	NA	58.5	11.6	1	135.3	702	26	
Midland Genetics	4260E3S ↗	E3,ST	4.2	MR	58.5	11.5	1	132.0	702	27	
Golden Harvest	GH3902E3S § ↗	E3,ST	3.9	R	58.4	11.6	1	131.7	701	28	
AgriGold	G4094XF ↗	RXF	4.0	R	58.0	11.6	1	124.3	696	29	
Stine	40EC20 § ↗	E3	4.0	R	57.7	11.6	1	112.3	692	30	
Lewis	3910XF ↗	RXF	3.9	R	57.4	11.5	1	130.0	689	31	
Pioneer	P41T07E CK	E3	4.1	MR	60.5	11.5	1	116.0	726	13	
					<b>Averages =</b>	<b>58.9</b>	<b>11.5</b>	<b>1</b>	<b>125.3</b>	<b>706</b>	
					LSD (0.10) =	2.7	ns	ns			
					LSD (0.25) =	1.4	ns	ns			
					C.V. =	4.3					
									Historic yield: 46.92 bu/a, 9 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: 10/21/2021

† 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

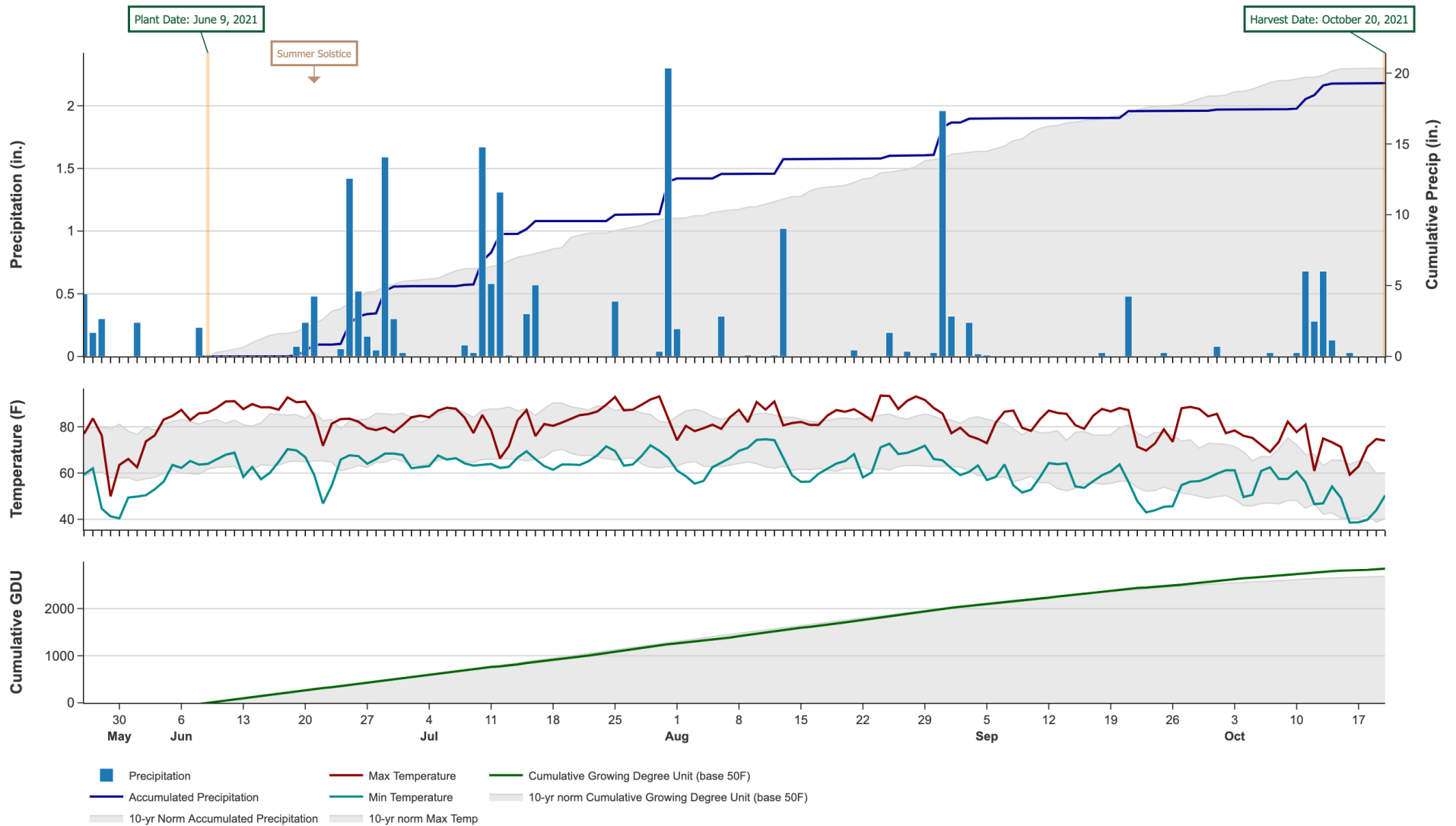
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# 2021 Soybeans - Missouri North [ MONO ]

## Weather Conditions Summary at GREENTOP, MO

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.0   1.8 (-0.9)	5.4   6.6 (-1.2)	7.4   4.7 (+2.8)	3.9   4.3 (-0.4)	1.2   4.4 (-3.2)	1.9   2.0 (-0.0)	20.8   23.8 (-3.0)
GDU   Normal (Diff)	69   114 (-45)	671   673 (-2)	749   792 (-43)	753   728 (+24)	571   503 (+67)	277   168 (+108)	3090   2981 (+108)



\* 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

## 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

## 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.