

Test by: F.I.R.S.T. CCB, Inc. Elizabeth, IL

## 2024 Soybeans Top 30 Harvest Report

Iowa South [IASO] OAKLAND, IA  
Mark & Keith Bentley, Pottawattamie County, IA 51560

<b>Early-Season Test</b>	Maturity Group <b>2.5 - 3.0</b> S2024IASO51a
<b>Top 30 of 30</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Acuron, Status
<b>SOIL DESCRIPTION:</b>	Marshall silty clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, high K, 7.2 pH, 3.2% OM, 19.0 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Authority Supreme, Liberty, Roundup, Clethodim
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 10 160.0 /A 15" spacing
<b>HARVESTED - STAND:</b>	Oct 6 158.4 /A

### TEST COMMENTS:

Planting conditions were very good and plants emerged with no problem. This site was outstanding. It looked very uniform across the plot, and plants stood 29 to 43 inches tall, full of pods. Plants were matured and shelled easily. Again dry down was rapid in the area. There was no weed pressure and no lodging issues. The area received good rainfall till mid-July, then caught a couple of good showers after that to fill out.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Titan Pro	TP 29E23 ↗	E3	2.9	M	<b>90.9</b>	8.0	1	160.0	883	1
Dyna-Gro	S28XF85 ↗	RXF	2.8	M	<b>90.5</b>	8.1	1	154.7	879	2
NuTech	30N06E ↗	E3	3.0	M	<b>90.5</b>	8.4	1	160.0	879	3
Dyna-Gro	S29ES45 ↗	E3,ST	2.9	M	<b>86.9</b>	7.8	1	160.0	844	5
AgVenture	AV30B2E GC ↗	E3	3.0	M	<b>86.6</b>	8.0	1	160.0	841	6
Xitavo	XO 2735E ↗	E3	2.7	M	<b>85.2</b>	8.5	1	160.0	827	7
Apex	AE2950 ↗	E3	2.9	PK	84.3	9.5	1	160.0	819	8
Asgrow	AG30XF4 § ↗	RXF	3.0	R	83.6	8.1	1	154.7	812	9
Apex	AE2940S ↗	E3,ST	2.9	M	83.6	7.9	1	160.0	812	10
AgVenture	AV27Y1E § ↗	E3	2.7	PK	83.1	7.7	1	160.0	807	11
Golden Harvest	GH3043E3 ↗	E3	3.0	M	82.8	7.9	1	160.0	804	12
Golden Harvest	GH3035E3 § ↗	E3	3.0	M	82.2	7.9	1	160.0	798	13
Xitavo	XO 2865E ↗	E3	2.8	M	82.1	8.3	2	154.7	797	14
NuTech	27N07E ↗	E3	2.7	M	82.1	7.9	1	160.0	797	15
FS HiSOY	HS 28F30 ↗	RXF	2.8	M	81.7	8.7	1	154.7	793	16
Xitavo	XO 3014E ↗	E3,ST	3.0	M	81.5	8.2	1	160.0	791	17
FS HiSOY	HS 29E40 ↗	E3	2.9	PK	80.7	8.0	1	160.0	784	18
FS HiSOY	HS 30E40 ↗	E3,ST	3.0	M	80.6	7.9	1	160.0	783	19
NK Brand	NK30-A9E3 ↗	E3	3.0	M	80.6	8.3	1	160.0	783	20
Pioneer	P28Z89E § ↗	E3	2.8	PK	80.0	8.8	1	160.0	777	21
Xitavo	XO 2985E ↗	E3	2.9	M	79.4	7.9	1	160.0	771	22
NuTech	29N05E ↗	E3	2.9	PK	78.9	7.7	1	160.0	766	23
Hoegemeyer	2905 E ↗	E3	2.9	PK	78.8	7.9	1	160.0	765	24
NK Brand	NK28-B9E3S ↗	E3,ST	2.8	M	77.8	7.8	1	154.7	755	25
Hoegemeyer	2855 E ↗	E3	2.8	M	74.6	7.8	1	160.0	724	26
Pioneer	P28A39E § ↗	E3	2.8	M	74.4	7.9	1	154.7	722	27
NK Brand	NK27-J5E3 ↗	E3	2.7	M	73.8	7.9	1	154.7	717	28
NuTech	28N03E ↗	E3	2.8	M	73.1	8.9	1	154.7	710	29
FS HiSOY	HS 30F40 ↗	RXF	3.0	M	72.4	8.6	3	154.7	703	30
<b>PIONEER</b>	<b>P30A75E CK</b>	<b>E3</b>	<b>3.0</b>	<b>MR</b>	<b>87.2</b>	<b>8.3</b>	<b>1</b>	<b>160.0</b>	<b>847</b>	<b>4</b>



Randy Meinsma  
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Averages =	<b>81.7</b>	<b>8.1</b>	<b>1</b>	<b>158.4</b>	<b>793</b>
LSD (0.10) =	4.6	ns	1		
LSD (0.25) =	2.4	ns	0		
C.V. =	5.3				Historic yield: 69.6 bu/a, 13 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$9.71

Report Date: Oct. 6, 2024

Revised: 10/10/2024 Revised stand values to the correct unit, NO yield or rank changes

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

† 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. ↗ Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

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## 2024 Soybeans Top 30 Harvest Report

Iowa South [IASO] OAKLAND, IA

Mark & Keith Bentley, Pottawattamie County, IA 51560

<b>Full-Season Test</b>	Maturity Group <b>3.1 - 3.6</b> S2024IASO51b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Acuron, Status
<b>SOIL DESCRIPTION:</b>	Marshall silty clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, high K, 7.2 pH, 3.2% OM, 19.0 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Authority Supreme, Liberty, Roundup, Clethodim
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 10 160.0 /A 15" spacing
<b>HARVESTED - STAND:</b>	Oct 6 159.0 /A

### TEST COMMENTS:

*Planting conditions were very good and plants emerged with no problem. This site was outstanding. It looked very uniform across the plot, and plants stood 29 to 43 inches tall, full of pods. Plants were matured and shelled easily. Again dry down was rapid in the area. There was no weed pressure and no lodging issues. The area received good rainfall till mid-July, then caught a couple of good showers after that to fill out.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 3555E ↗	E3,ST	3.5	M	<b>93.9</b>	8.5	1	160.0	912	1
Apex	AE3550S ↗	E3,ST	3.5	M	<b>89.4</b>	8.4	1	160.0	868	2
Stine	31EF02 § ↗	E3	3.1	M	<b>85.7</b>	8.1	1	160.0	832	3
Xitavo	XO 3375E ↗	E3	3.3	M	<b>85.7</b>	9.7	1	160.0	832	4
Genesis	G3380E ↗	E3	3.3	PK	<b>85.5</b>	9.2	3	160.0	830	5
ProHarvest	35E52 ↗	E3	3.5	M	<b>85.3</b>	7.9	1	160.0	828	6
Dyna-Gro	S35XF44 ↗	RXF	3.5	M	84.4	8.4	1	160.0	820	7
Xitavo	XO 3224E ↗	E3	3.2	PK	84.3	8.4	2	160.0	819	8
Dyna-Gro	S31EN14 ↗	E3	3.1	M	84.1	8.5	1	160.0	817	9
FS HISOY	HS 36F40 ↗	RXF	3.6	M	84.0	8.6	2	160.0	816	10
P3 Genetics	2434E ↗	E3	3.4	PK	84.0	9.0	3	160.0	816	11
NK Brand	NK33-Y7E3S § ↗	E3,ST	3.3	PK	83.8	8.3	3	160.0	814	12
Golden Harvest	GH3355E3S ↗	E3,ST	3.3	PK	83.6	8.0	4	160.0	812	13
FS HISOY	HS 34E40 ↗	E3	3.4	PK	83.4	8.7	1	160.0	810	15
Hoegemeyer	3185 E ↗	E3	3.1	M	83.0	8.3	1	160.0	806	16
NuTech	35N05E ↗	E3	3.5	PK	82.8	8.2	1	160.0	804	17
NuTech	36N06E ↗	E3	3.6	M	82.4	9.8	2	160.0	800	18
Stine	36EE12 § ↗	E3	3.6	M	81.8	8.7	1	160.0	794	19
Apex	AE3131S ↗	E3,ST	3.1	M	81.5	9.3	1	160.0	791	20
Golden Harvest	GH3655E3S ↗	E3,ST	3.6	M	80.5	8.3	3	160.0	782	21
Xitavo	XO 3105E ↗	E3	3.1	M	80.4	8.0	1	160.0	781	22
Apex	AE3540S ↗	E3,ST	3.5	M	80.1	8.4	2	160.0	778	23
Stine	35EG92 § ↗	E3	3.5	M	79.7	8.2	1	160.0	774	24
Cornelius	CB36XF60 ↗	RXF	3.6	M	79.4	8.8	1	154.7	771	25
Cornelius	CB33XF26 ↗	RXF	3.3	M	78.9	8.1	1	160.0	766	26
Hoegemeyer	3605 E ↗	E3	3.6	M	78.6	8.3	1	160.0	763	27
NuTech	34N02E ↗	E3	3.4	PK	78.5	7.9	1	160.0	762	28
Asgrow	AG33XF3 § ↗	RXF	3.3	R	78.4	7.9	1	154.7	761	29
NK Brand	NK36-Q6E3S ↗	E3,ST	3.6	M	78.3	9.3	2	160.0	760	30
Genesis	G3580ES ↗	E3,ST	3.5	M	78.1	8.4	2	160.0	758	31
<b>PIONEER</b>	<b>P30A75E CK</b>	<b>E3</b>	<b>3.0</b>	<b>MR</b>	<b>83.6</b>	<b>8.6</b>	<b>1</b>	<b>160.0</b>	<b>812</b>	<b>14</b>
					<b>Averages =</b>	<b>81.5</b>	<b>8.5</b>	<b>2</b>	<b>159.0</b>	<b>791</b>
					LSD (0.10) =	3.9	ns	1		
					LSD (0.25) =	2.0	ns	1		
					C.V. =	4.5				
					Historic yield: 69.6 bu/a, 13 yr(s)					



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### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$9.71

Report Date: Oct. 6, 2024

Revised: 10/10/2024 Revised stand values to the correct unit, NO yield or rank changes

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

† 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. ↗ Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

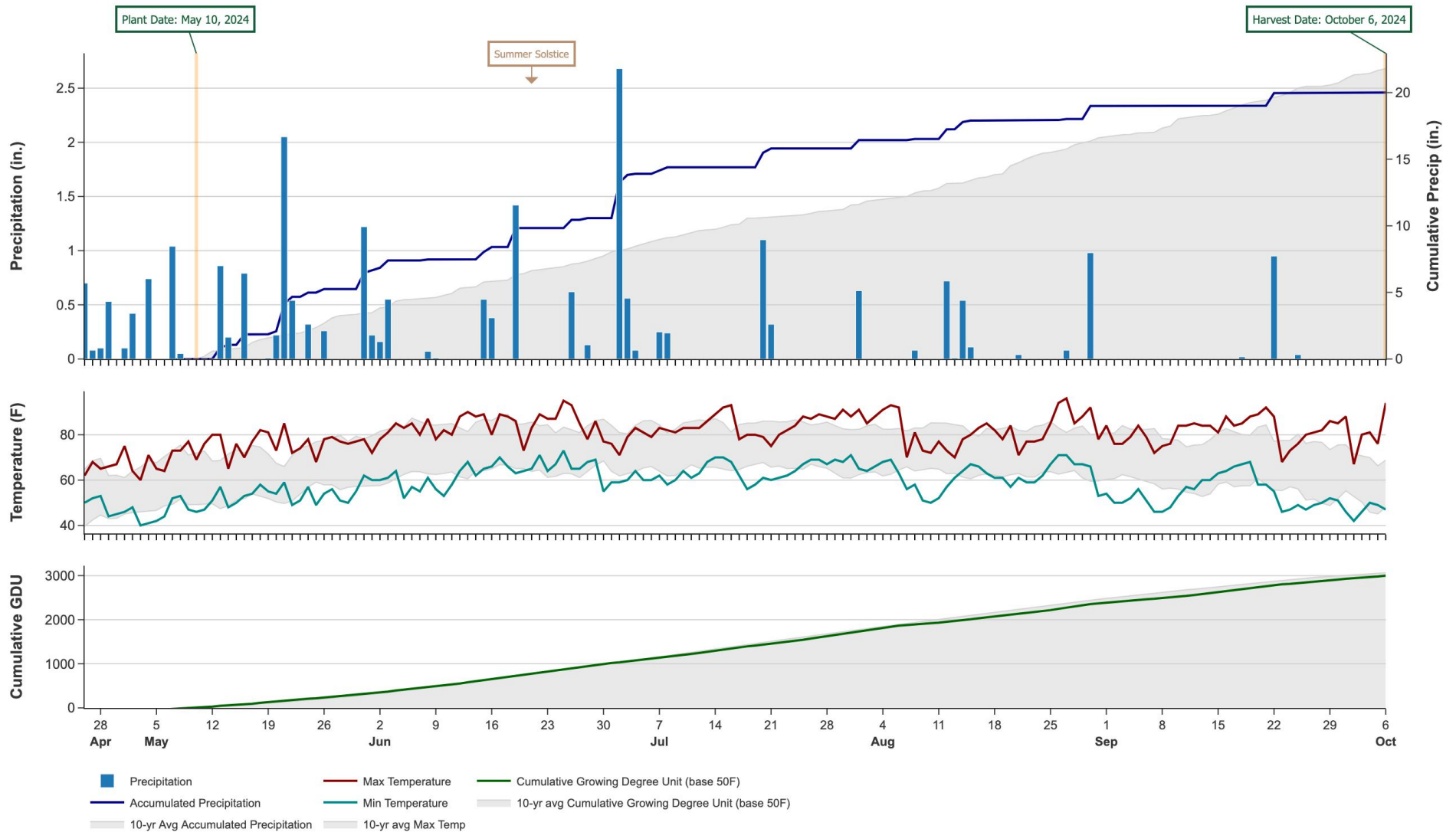
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# 2024 Soybeans - Iowa South [ IASO ]

## Weather Conditions Summary at OAKLAND, IA

Weather Data Retrieved: 10/10/2024

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	1.4   0.6 (+0.8)	8.8   4.8 (+4.0)	4.1   4.3 (-0.2)	5.2   3.8 (+1.4)	3.2   5.0 (-1.9)	1.0   4.1 (-3.1)	0.0   1.1 (-1.1)	23.8   23.8 (0.0)
GDU   Avg (Diff)	42   38 (+3)	412   382 (+29)	686   706 (-20)	709   760 (-51)	659   706 (-47)	542   535 (+6)	88   65 (+22)	3138   3195 (-57)



\* 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.

## 2024 Soybeans - Iowa South [ IASO ]

### Early-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV27Y1E §	E3	PK	2.7	CMB
AgVenture	AV30B2E GC	E3	M	3.0	Lum,Lu,Lud,IL
Apex	AE2940S	E3,ST	M	2.9	PU
Apex	AE2950	E3	PK	2.9	PU
Asgrow	AG30XF4 §	RXF	R	3.0	ACi,IL
Dyna-Gro	S28XF85	RXF	M	2.8	PLTM
Dyna-Gro	S29ES45	E3,ST	M	2.9	PLTM
FS HiSOY	HS 28F30	RXF	M	2.8	ACi,SA
FS HiSOY	HS 29E40	E3	PK	2.9	ACi,SA
FS HiSOY	HS 30E40	E3,ST	M	3.0	ACi,SA
FS HiSOY	HS 30F40	RXF	M	3.0	ACi,SA
Golden Harvest	GH3035E3 §	E3	M	3.0	CMB-APX,SA
Golden Harvest	GH3043E3	E3	M	3.0	CMB-APX,SA
Hoegemeyer	2855 E	E3	M	2.8	Lum, LumT, IL
Hoegemeyer	2905 E	E3	PK	2.9	Lum, LumT, IL
NK Brand	NK27-J5E3	E3	M	2.7	CMB-APX,SA
NK Brand	NK28-B9E3S	E3,ST	M	2.8	CMB-APX,SA
NK Brand	NK30-A9E3	E3	M	3.0	CMB-APX,SA
NuTech	27N07E	E3	M	2.7	Lum, LumT, IL
NuTech	28N03E	E3	M	2.8	Lum, LumT, IL
NuTech	29N05E	E3	PK	2.9	Lum, LumT, IL
NuTech	30N06E	E3	M	3.0	Lum, LumT, IL
Pioneer	P28A39E §	E3	M	2.8	Lum, LumT, IL
Pioneer	P28Z89E §	E3	PK	2.8	Lum, LumT, IL
Pioneer	P30A75E CK	E3	MR	3.0	Lum
Titan Pro	TP 29E23	E3	M	2.9	CMB-APX,SA
Xitavo	XO 2735E	E3	M	2.7	PV,IL,OB,Rey
Xitavo	XO 2865E	E3	M	2.8	PV,IL,OB,Rey
Xitavo	XO 2985E	E3	M	2.9	PV,IL,OB,Rey
Xitavo	XO 3014E	E3,ST	M	3.0	PV,IL,OB,Rey

## 2024 Soybeans - Iowa South [ IASO ]

### Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE3131S	E3,ST	M	3.1	PU
Apex	AE3540S	E3,ST	M	3.5	CMB-APX,SA
Apex	AE3550S	E3,ST	M	3.5	PU
Asgrow	AG33XF3 §	RXF	R	3.3	ACi,IL
Asgrow	AG36XF4 §	RXF	R	3.6	ACi,IL
Cornelius	CB33XF26	RXF	M	3.3	PG+
Cornelius	CB36XF60	RXF	M	3.6	PG+
Dyna-Gro	S31EN14	E3	M	3.1	PLTM
Dyna-Gro	S35XF44	RXF	M	3.5	PLTM
FS HiSOY	HS 34E40	E3	PK	3.4	ACi,SA
FS HiSOY	HS 34F30	RXF	M	3.4	ACi,SA
FS HiSOY	HS 36E40	E3,ST	M	3.6	ACi,SA
FS HiSOY	HS 36F40	RXF	M	3.6	ACi,SA
Genesis	G3380E	E3	PK	3.3	EcTC,SA
Genesis	G3580ES	E3,ST	M	3.5	EcTC,SA
Golden Harvest	GH3355E3S	E3,ST	PK	3.3	CMB-APX,SA
Golden Harvest	GH3655E3S	E3,ST	M	3.6	CMB-APX,SA
Hoegemeyer	3185 E	E3	M	3.1	Lum, LumT, IL
Hoegemeyer	3605 E	E3	M	3.6	Lum, LumT, IL
NK Brand	NK33-Y7E3S §	E3,ST	PK	3.3	CMB-APX,SA
NK Brand	NK34-Z8E3S §	E3,ST	M	3.4	CMB-APX,SA
NK Brand	NK36-Q6E3S	E3,ST	M	3.6	CMB-APX,SA
NuTech	32N04E	E3	M	3.2	Lum, LumT, IL
NuTech	34N02E	E3	PK	3.4	Lum, LumT, IL
NuTech	35N05E	E3	PK	3.5	Lum, LumT, IL
NuTech	36N06E	E3	M	3.6	Lum, LumT, IL
P3 Genetics	2434E	E3	PK	3.4	PG+
Pioneer	P30A75E CK	E3	MR	3.0	Lum
ProHarvest	35E52	E3	M	3.5	PU
Stine	31EF02 §	E3	M	3.1	TFX1,SA
Stine	35EG92 §	E3	M	3.5	TFX1,SA
Stine	36EE12 §	E3	M	3.6	TFX1,SA
Xitavo	XO 3105E	E3	M	3.1	PV,IL,OB,Rey
Xitavo	XO 3224E	E3	PK	3.2	PV,IL,OB,Rey
Xitavo	XO 3375E	E3	M	3.3	PV,IL,OB,Rey
Xitavo	XO 3555E	E3,ST	M	3.5	PV,IL,OB,Rey

## 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 Source or Rating

Note: Source of SCN resistance used when available, otherwise older susceptibility ratings are reported.

M	PI 88788 (MR)
PK	Peking (R)
H	Hartwig (R)
B	Blend (PK + M)
MR	moderate resistance
R	resistant
S	susceptible
NA	info unavailable

### Soybeans Technologies

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E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
CMB	CruiserMaxx® Beans
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
Lum	LumiGEN™
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PLTM	DynaGro PLTM
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro

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