

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

## 2022 Soybeans Top 30 Harvest Report

Iowa South [IASO] WASHINGTON, IA  
Tom Vittetoe, Washington County, IA 52353

<b>Early-Season Test</b>	Maturity Group <b>2.5 - 3.0</b> S2022IASO53a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Anthem Max, 2-4-D, Round Up, Atrazine, Impact, Quilt XI
<b>SOIL DESCRIPTION:</b>	Manaska sandy clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, medium K, 6.1 pH, 4.4% OM, 22.7 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Authority Edge, 2-4-D, Round Up, Liberty, Outlook, Top Guard, Warrior
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 16 140.0 /A 15" spacing
<b>HARVESTED - STAND:</b>	Oct 14 136.3 /A

### TEST COMMENTS:

*Outstanding plot. Planting conditions were great and plants emerged well. Beans stood 27 to 42 inches tall with very good pod sets. Plants were matured well and made harvest easy. There was no weed pressure. Plants stood strong with no lodging. The Vittetoes are very pleased with the yields they are seeing in the general area but did see lower yields just miles away from the plot due to drought conditions. We were fortunate to have plots in the area that received the rains.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG27XF3 § ↗	RXF	2.7	R	<b>94.4</b>	11.4	1	137.0	1255	1
FS HiSOY	HS 26E20 ↗	E3	2.6	R	<b>93.3</b>	11.9	1	137.0	1240	2
Xitavo	XO 2832E ↗	E3	2.8	R	<b>91.8</b>	12.1	1	137.0	1220	3
Xitavo	XO 2921E ↗	E3	2.9	R	<b>91.1</b>	11.5	1	137.0	1211	4
Kruger	K3003XF ↗	RXF	3.0	R	<b>89.1</b>	11.1	1	137.0	1184	5
Pioneer	P30T99E § ↗	E3	3.0	R	<b>88.9</b>	11.6	1	137.0	1181	6
Golden Harvest	GH3043E3 ↗	E3	3.0	R	<b>88.6</b>	11.7	1	137.0	1177	7
NuTech	26N06E ↗	E3	2.6	R	<b>86.7</b>	11.7	1	137.0	1152	8
NK Brand	NK30-B2E3 § ↗	E3	3.0	R	<b>86.2</b>	11.5	1	137.0	1146	9
Hoegemeyer	2763 E ↗	E3	2.7	R	<b>85.9</b>	11.8	1	137.0	1142	10
Stine	26EF23 § ↗	E3	2.6	R	<b>85.0</b>	11.8	1	137.0	1130	11
Latham	L 2638 E3 ↗	E3	2.6	R	<b>84.9</b>	11.4	1	137.0	1128	12
Genesis	G2960E ↗	E3	2.9	R	<b>84.7</b>	12.0	1	137.0	1126	13
Hoegemeyer	2553 E ↗	E3	2.5	R	<b>84.7</b>	11.7	1	135.7	1126	14
Asgrow	AG28XF3 § ↗	RXF	2.8	R	<b>84.5</b>	10.9	1	137.0	1123	15
FS HiSOY	HS 28F20 ↗	RXF,ST	2.8	R	<b>84.3</b>	12.0	1	133.3	1120	16
Pioneer	P29T37E GC ↗	E3	2.9	NA	<b>83.6</b>	11.6	1	137.0	1111	17
Golden Harvest	GH2653XF § ↗	RXF	2.6	R	<b>83.5</b>	11.7	1	133.3	1110	18
Kruger	K2594XF ↗	RXF	2.5	R	<b>83.5</b>	12.0	1	137.0	1110	19
Stine	26EC32 § ↗	E3	2.6	R	<b>83.3</b>	11.9	1	137.0	1107	20
NuTech	27N03E ↗	E3	2.7	R	<b>82.9</b>	11.7	1	137.0	1102	21
Latham	L 3086 XF ↗	RXF	3.0	R	<b>82.4</b>	11.3	1	133.3	1095	22
Latham	L 2786 XF ↗	RXF	2.7	R	<b>82.1</b>	11.5	1	134.3	1091	23
Pioneer	P26T23E § ↗	E3	2.6	R	<b>81.9</b>	11.8	1	137.0	1088	24
NK Brand	NK29-Z4E3 ↗	E3	2.9	R	<b>81.0</b>	11.9	1	135.7	1076	25
NuTech	29N02E ↗	E3	2.9	R	<b>80.9</b>	11.4	1	134.3	1075	26
Kruger	K2604XF ↗	RXF	2.6	R	<b>80.3</b>	11.7	1	133.3	1067	27
Xitavo	XO 2963E ↗	E3	2.9	R	<b>79.3</b>	11.9	1	137.0	1054	28
Xitavo	XO 2613E ↗	E3	2.6	R	<b>79.1</b>	11.7	1	137.0	1051	29
FS HiSOY	HS 29F10 ↗	RXF	2.9	R	<b>78.2</b>	11.1	1	137.0	1039	30
<b>PIONEER</b>	<b>P26T57E CK</b>	<b>E3</b>	<b>2.6</b>	<b>R</b>	<b>73.8</b>	<b>12.0</b>	<b>1</b>	<b>137.0</b>	<b>981</b>	<b>36</b>
					<b>Averages =</b>	<b>83.4</b>	<b>11.7</b>	<b>1</b>	<b>136.3</b>	<b>1108</b>
					LSD (0.10) =	3.0	0.2	ns		
					LSD (0.25) =	1.6	0.1	ns		
					C.V. =	3.4				
Randy Meinsma					Historic yield: 69.3 bu/a, 12 yr(s)					
randym@firstseedtests.com, (815) 238-8007										

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.04 Prices: GMO = \$13.29

Report Date: 10/14/2022

† 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

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## 2022 Soybeans Top 30 Harvest Report

Iowa South [IASO] WASHINGTON, IA  
Tom Vittetoe, Washington County, IA 52353

<b>Full-Season Test</b>	Maturity Group <b>3.1 - 3.6</b> S2022IASO53b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Anthem Max, 2-4-D, Round Up, Atrazine, Impact, Quilt XI
<b>SOIL DESCRIPTION:</b>	Manaska sandy clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, medium K, 6.1 pH, 4.4% OM, 22.7 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Authority Edge, 2-4-D, Round Up, Liberty, Outlook, Top Guard, Warrior
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 16 140.0 /A 15" spacing
<b>HARVESTED - STAND:</b>	Oct 14 136.6 /A

### TEST COMMENTS:

*Outstanding plot. Planting conditions were great and plants emerged well. Beans stood 27 to 42 inches tall with very good pod sets. Plants were matured well and made harvest easy. There was no weed pressure. Plants stood strong with no lodging. The Vittetoes are very pleased with the yields they are seeing in the general area but did see lower yields just miles away from the plot due to drought conditions. We were fortunate to have plots in the area that received the rains.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	34N02E ↗	E3	3.4	R	<b>98.6</b>	11.5	1	137.0	1310	1
Golden Harvest	GH3442XF § ↗	RXF	3.4	MR	<b>98.5</b>	11.8	1	137.0	1309	2
ProHarvest	34F37 ↗	RXF	3.4	R	<b>98.1</b>	11.4	1	137.0	1304	3
Genesis	G3460ES ↗	E3,ST	3.4	R	<b>97.5</b>	11.7	1	135.7	1296	4
NuTech	35N03E ↗	E3	3.5	R	<b>95.6</b>	11.8	1	137.0	1271	5
FS HiSOY	HS 35F20 ↗	RXF	3.5	R	<b>95.1</b>	11.8	1	135.7	1264	6
Hoegemeyer	3413 E ↗	E3	3.4	R	<b>95.0</b>	11.6	1	137.0	1263	7
FS HiSOY	HS 33E20 ↗	E3,ST	3.3	R	<b>94.5</b>	11.6	1	137.0	1256	8
Xitavo	XO 3341E ↗	E3	3.3	R	<b>93.0</b>	12.2	1	135.7	1236	9
Asgrow	AG32XF2 § ↗	RXF	3.2	R	<b>91.9</b>	11.3	1	137.0	1221	10
Latham	L 3123 E3 ↗	E3	3.1	R	90.9	11.2	1	137.0	1208	11
Xitavo	XO 3483E ↗	E3,ST	3.4	MR	90.7	11.7	1	135.7	1205	12
Stine	32EE21 § ↗	E3	3.2	R	89.8	11.6	1	137.0	1193	13
Apex	AE3330S ↗	E3	3.3	R	89.0	11.5	1	137.0	1183	14
Kruger	K3593XF ↗	RXF	3.5	R	89.0	11.9	1	137.0	1183	15
Latham	L 3479 E3 ↗	E3	3.4	R	88.6	11.9	1	137.0	1177	16
NuTech	31N06E ↗	E3	3.1	R	88.5	11.7	1	137.0	1176	17
Kruger	K3603XF ↗	RXF	3.6	R	88.1	11.6	1	137.0	1171	18
P3 Genetics	2234E ↗	E3	3.4	R	88.1	12.1	1	137.0	1171	19
NK Brand	S35-E3 ↗	E3	3.5	R	87.3	11.7	1	137.0	1160	20
Kruger	K3214XF ↗	RXF	3.2	R	87.0	11.6	1	135.7	1156	21
FS HiSOY	HS 35E10 ↗	E3	3.5	R	86.8	11.8	1	137.0	1154	22
FS HiSOY	HS 34F00 ↗	RXF	3.4	R	86.0	11.9	1	137.0	1143	23
Asgrow	AG35XF1 § ↗	RXF	3.5	R	84.1	11.5	1	133.3	1118	24
Pioneer	P31T64E § ↗	E3	3.1	NA	83.2	11.7	1	137.0	1106	25
Hoegemeyer	3591 E ↗	E3	3.5	R	82.8	11.6	1	135.7	1100	26
Kruger	K3305XF ↗	RXF	3.3	R	82.8	11.3	1	137.0	1100	27
Latham	L 3384 XF ↗	RXF	3.3	R	82.5	11.2	1	137.0	1096	28
P3 Genetics	2331E ↗	E3	3.1	R	82.4	11.0	1	137.0	1095	29
Golden Harvest	GH3373E3S ↗	E3,ST	3.3	R	81.7	11.9	1	137.0	1086	30
<b>PIONEER</b>	<b>P26T57E CK</b>	<b>E3</b>	<b>2.6</b>	<b>R</b>	<b>73.3</b>	<b>12.1</b>	<b>1</b>	<b>135.7</b>	<b>974</b>	<b>35</b>
					<b>Averages =</b>	<b>87.7</b>	<b>11.7</b>	<b>1</b>	<b>136.6</b>	<b>1165</b>
					LSD (0.10) =	3.3	0.3	ns		
					LSD (0.25) =	1.8	0.2	ns		
					C.V. =	3.6				
Randy Meinsma					Historic yield: 69.3 bu/a, 12 yr(s)					
randym@firstseedtests.com, (815) 238-8007										

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.04 Prices: GMO = \$13.29

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† 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

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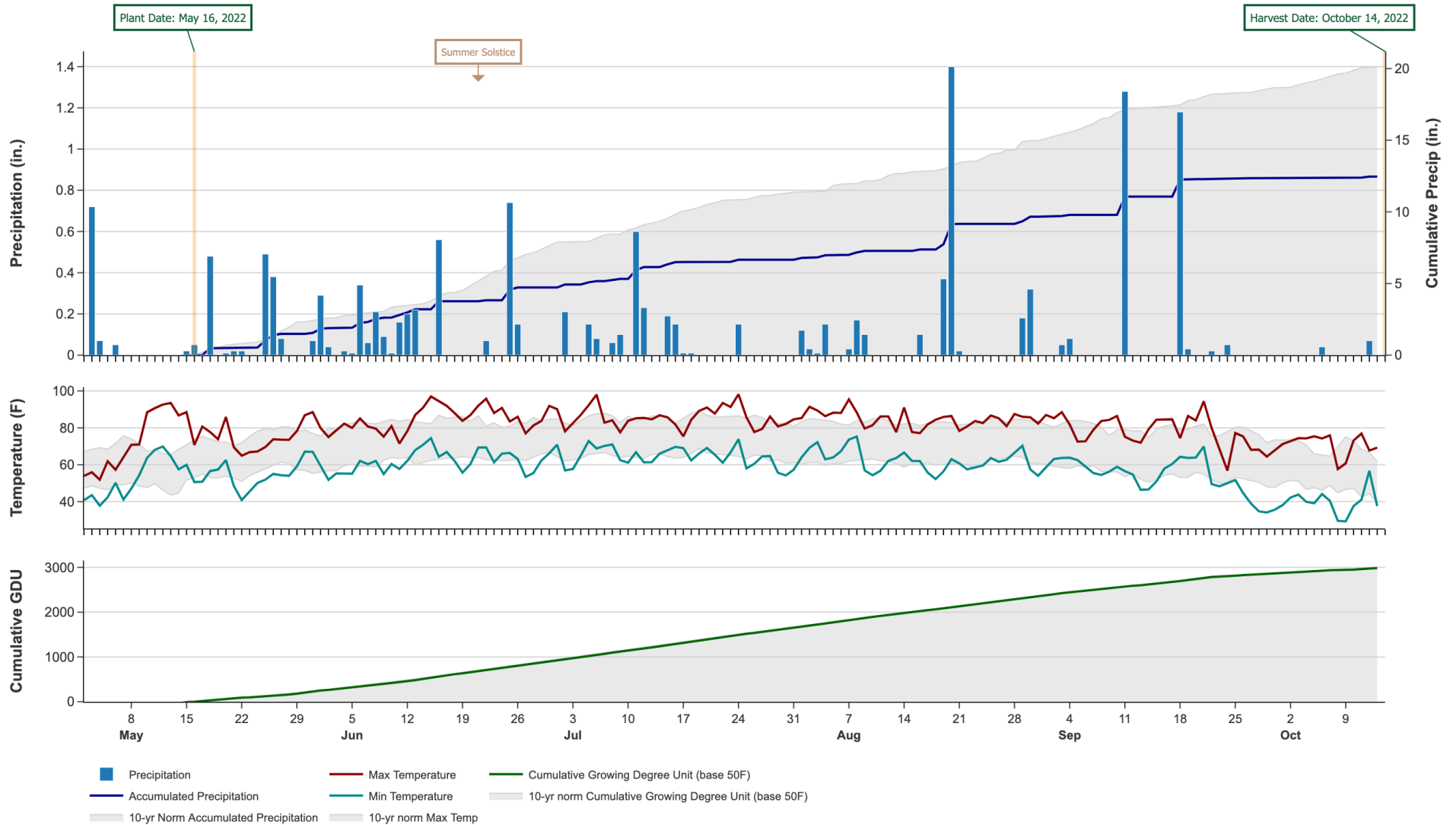
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# 2022 Soybeans - Iowa South [ IASO ]

## Weather Conditions Summary at WASHINGTON, IA

Weather Data Retrieved: 10/14/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	2.5   5.2 (-2.8)	3.2   5.2 (-2.1)	1.9   3.7 (-1.8)	3.0   3.6 (-0.6)	2.7   3.7 (-1.0)	0.1   1.5 (-1.3)	13.4   23.0 (-9.6)
GDU   Normal (Diff)	432   390 (+41)	663   672 (-9)	746   762 (-16)	714   690 (+23)	501   504 (-3)	131   126 (+4)	3187   3146 (+40)



\* 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.

## 2022 Soybeans - Iowa South [ IASO ]

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

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG28XF3 §	RXF	R	2.8	ACi,IL
Brevant	B252EE GC	E3	R	2.5	Lum,Lu,IL
FS HiSOY	HS 26E20	E3	R	2.6	ACi,SA,B-200
FS HiSOY	HS 28F20	RXF,ST	R	2.8	ACi,SA,B-200
FS HiSOY	HS 29F10	RXF	R	2.9	ACi,SA,B-200
Genesis	G2960E	E3	R	2.9	EcTC,SA
Golden Harvest	GH2653XF §	RXF	R	2.6	CMBV,SA
Golden Harvest	GH3043E3	E3	R	3.0	CMBV,SA
Hoegemeyer	2553 E	E3	R	2.5	Lum,Lu
Hoegemeyer	2763 E	E3	R	2.7	Lum,Lu,IL
Kruger	K2594XF	RXF	R	2.5	ACi,IL
Kruger	K2604XF	RXF	R	2.6	ACi,IL
Kruger	K2816XF	RXF	R	2.8	ACi,IL
Kruger	K3003XF	RXF	R	3.0	ACi,IL
Latham	L 2638 E3	E3	R	2.6	SS+,SA
Latham	L 2786 XF	RXF	R	2.7	SS+,SA
Latham	L 2894 E3	E3	R	2.8	SS+,SA
Latham	L 3086 XF	RXF	R	3.0	SS+,SA
NK Brand	NK29-Z4E3	E3	R	2.9	CMBV,SA
NK Brand	NK30-B2E3 §	E3	R	3.0	CMBV,SA
NuTech	25N04E	E3	R	2.5	Lum,Lu,IL
NuTech	26N06E	E3	R	2.6	Lum,Lu,IL
NuTech	27N03E	E3	R	2.7	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
Pioneer	P26T23E §	E3	R	2.6	Lum,Lu
Pioneer	P26T57E CK	E3	R	2.6	Lum,Lu
Pioneer	P28T02E §	E3	R	2.8	Lum,Lu
Pioneer	P29T37E GC	E3	NA	2.9	Lum,Lu
Pioneer	P30T99E §	E3	R	3.0	Lum,Lu
Stine	26EC32 §	E3	R	2.6	SFI
Stine	26EF23 §	E3	R	2.6	SFI
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB,Rey
Xitavo	XO 2963E	E3	R	2.9	PV,IL,OB,Rey

## 2022 Soybeans - Iowa South [ IASO ]

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

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE3330S	E3	R	3.3	PU
Asgrow	AG32XF2 §	RXF	R	3.2	ACi,IL
Asgrow	AG35XF1 §	RXF	R	3.5	ACi
FS HiSOY	HS 33E20	E3,ST	R	3.3	ACi,SA,B-200
FS HiSOY	HS 34F00	RXF	R	3.4	ACi,SA,B-200
FS HiSOY	HS 35E10	E3	R	3.5	ACi,SA,B-200
FS HiSOY	HS 35F20	RXF	R	3.5	ACi,SA,B-200
Genesis	G3460ES	E3,ST	R	3.4	EcTC,SA
Golden Harvest	GH3373E3S	E3,ST	R	3.3	CMBV,SA
Golden Harvest	GH3442XF §	RXF	MR	3.4	CMBV,SA
Hoegemeyer	3413 E	E3	R	3.4	Lum,Lu,IL
Hoegemeyer	3591 E	E3	R	3.5	Lum,Lu,IL
Kruger	K3214XF	RXF	R	3.2	ACi,IL
Kruger	K3305XF	RXF	R	3.3	ACi,IL
Kruger	K3593XF	RXF	R	3.5	ACi,IL
Kruger	K3603XF	RXF	R	3.6	ACi,IL
Latham	L 3123 E3	E3	R	3.1	SS+,SA
Latham	L 3384 XF	RXF	R	3.3	SS+,SA
Latham	L 3479 E3	E3	R	3.4	SS+,SA
NK Brand	NK33-W2E3S §	E3,ST	R	3.3	CMBV,SA
NK Brand	S35-E3	E3	R	3.5	CMBV,SA
NuTech	31N06E	E3	R	3.1	Lum,Lu,IL
NuTech	34N02E	E3	R	3.4	Lum,Lu,IL
NuTech	35N03E	E3	R	3.5	Lum,Lu,IL
P3 Genetics	2136E	E3	R	3.6	PG+
P3 Genetics	2234E	E3	R	3.4	PG+
P3 Genetics	2331E	E3	R	3.1	PG+
Pioneer	P26T57E CK	E3	R	2.6	Lum,Lu
Pioneer	P31T64E §	E3	NA	3.1	Lum,Lu
ProHarvest	34F37	RXF	R	3.4	PU
Stine	31EF23 §	E3	R	3.1	SFI
Stine	32EE21 §	E3	R	3.2	SFI
Xitavo	XO 3131E	E3	R	3.1	PV,IL,OB,Rey
Xitavo	XO 3341E	E3	R	3.3	PV,IL,OB,Rey
Xitavo	XO 3483E	E3,ST	MR	3.4	PV,IL,OB,Rey
Xitavo	XO 3651E	E3	R	3.6	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 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
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,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA,B-200	Acceleron® Standard Insecticide-Fungicide, Salstro®, B-200 SAT
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Salstro®
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salstro®
Lum,Lu	LumiGEN™, Lumisena™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PG+	Profit Guard +
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salstro®

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