

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

2023 Soybeans Top 30 Harvest Report

Iowa South [IASO] WINTERSET, IA
Mike Erdman, Madison County, IA 50273

Early-Season Test	Maturity Group 2.5 - 3.0 S2023IASO54a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Glyphosate, Callisto,
SOIL DESCRIPTION:	Sharpsburg silty clay loam, well drained, non-irrigated
SOIL CONDITION:	high P, high K, 5.9 pH, 4.3% OM, 19.7 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Zidua Pro, Liberty, Sulphur-N, Choice
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 13 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 18 143.3 /A

TEST COMMENTS:

Planting went very well. Drought conditions affected this site with some plants having great pod sets and others light on pod sets. Plants stood 28 to 42 inches tall. Plants were well-matured, and seed size was on the small side. The plot needed 3 passes of herbicide to control weeds. The plot was clean at harvest. Mike said he could see a large yield loss in fields where the crop was next to waterways, terraces, and tree lines due to competing for moisture,

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Stine	28EG29 § ↗	E3	2.8	R	86.5	12.7	3	144.0	1100	1
NuTech	29N02E ↗	E3	2.9	R	77.6	12.3	2	144.0	987	2
Xitavo	XO 3014E ↗	E3,ST	3.0	R	76.9	12.4	2	144.0	978	3
Apex	AE2940S ↗	E3,ST	2.9	R	76.8	12.6	2	144.0	977	4
Genesis	G2960E ↗	E3	2.9	R	75.9	12.4	1	144.0	965	5
NuTech	27N03E ↗	E3	2.7	R	73.0	12.3	1	144.0	929	6
Mustang	29E224 GC ↗	E3	2.9	R	72.7	12.6	2	144.0	925	7
Xitavo	XO 2613E ↗	E3	2.6	R	71.3	13.1	1	144.0	907	8
Titan Pro	TP 25E22 ↗	E3	2.5	R	70.1	11.8	1	144.0	892	9
LG Seeds	LGS2505E3 GC ↗	E3	2.5	NA	69.4	12.2	1	144.0	883	10
NuTech	27N06E ↗	E3	2.7	R	69.0	12.3	1	141.3	878	11
FS HiSOY	HS 25E30 ↗	E3	2.5	R	69.0	11.8	1	144.0	878	12
Genesis	G2550E ↗	E3	2.5	R	68.0	12.2	2	144.0	865	14
Hoegemeyer	2834 E ↗	E3	2.8	R	67.5	13.0	2	144.0	859	15
FS HiSOY	HS 26E20 ↗	E3	2.6	R	67.2	13.2	1	144.0	854	16
NK Brand	NK29-Z4E3 ↗	E3	2.9	R	66.8	12.8	1	144.0	850	17
Brevant	B263EE § ↗	E3	2.6	R	66.7	12.4	1	141.3	848	18
Xitavo	XO 2832E ↗	E3	2.8	R	66.1	12.8	1	144.0	841	19
Pioneer	P28A65E § ↗	E3	2.8	R	65.8	11.8	2	141.3	837	20
Genesis	G2780E ↗	E3	2.7	R	65.8	12.4	1	144.0	837	21
Xitavo	XO 2963E ↗	E3	2.9	R	65.8	13.2	1	144.0	837	22
Golden Harvest	GH2884XF § ↗	RXF	2.8	MR	65.6	12.6	1	144.0	834	23
Golden Harvest	GH3043E3 ↗	E3	3.0	R	64.9	13.2	1	144.0	825	24
Brevant	B283EE § ↗	E3	2.8	R	64.8	12.5	1	144.0	824	25
NuTech	29N04E ↗	E3	2.9	R	64.8	12.2	2	144.0	824	26
Kruger	K2604XF ↗	RXF	2.6	R	64.6	12.9	1	141.3	822	27
FS HiSOY	HS 27E30 ↗	E3	2.7	R	63.6	12.8	1	144.0	809	28
FS HiSOY	HS 28F30 ↗	RXF	2.8	R	63.4	12.7	1	144.0	806	29
NK Brand	NK30-B2E3 § ↗	E3	3.0	R	62.9	12.8	1	144.0	800	30
Asgrow	AG27XF3 § ↗	RXF	2.7	R	62.7	12.1	2	144.0	798	31
PIONEER	P30A75E CK	E3	3.0	MR	68.2	12.1	1	144.0	868	13
					Averages =	67.5	12.5	1	143.3	859
					LSD (0.10) =	3.0	0.5	ns		
					LSD (0.25) =	1.6	0.2	ns		
					C.V. =	4.2				
								Historic yield: 67.25 bu/a, 19 yr(s)		



Randy Meinsma

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$12.72

Report Date: 10/19/2023

† 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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Full-Season Test	Maturity Group 3.1 - 3.6 S2023IASO54b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL DESCRIPTION:	Sharpsburg silty clay loam, well drained, non-irrigated
SOIL CONDITION:	high P, high K, 5.9 pH, 4.3% OM, 19.7 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Zidua Pro, Liberty, Sulphur-N, Choice
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 13 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 18 143.7 /A

TEST COMMENTS:

Planting went very well. Drought conditions affected this site with some plants having great pod sets and others light on pod sets. Plants stood 28 to 42 inches tall. Plants were well-matured, and seed size was on the small side. The plot needed 3 passes of herbicide to control weeds. The plot was clean at harvest. Mike said he could see a large yield loss in fields where the crop was next to waterways, terraces, and tree lines due to competing for moisture,

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG35XF1 § ↗	RXF	3.5	R	72.1	13.0	1	144.0	917	1
Kruger	K3305XF ↗	RXF	3.3	R	71.9	12.9	1	144.0	915	2
ProHarvest	32F26 ↗	RXF	3.2	R	71.4	12.6	1	144.0	908	3
Genesis	G3460E ↗	E3	3.4	R	70.7	12.5	1	144.0	899	4
Xitavo	XO 3224E ↗	E3	3.2	R	70.1	12.5	1	144.0	892	5
Genesis	G3171ES ↗	E3,ST	3.1	R	69.7	12.6	1	144.0	887	6
FS HiSOY	HS 32E30 ↗	E3	3.2	R	69.6	12.8	1	144.0	885	7
Stine	35EG29 § ↗	E3	3.5	R	69.3	13.2	1	144.0	881	8
P3 Genetics	2433E ↗	E3	3.4	R	68.0	12.8	1	144.0	865	9
NuTech	33N04E ↗	E3	3.3	R	67.4	12.1	1	144.0	857	10
Golden Harvest	GH3373E3S § ↗	E3,ST	3.3	R	67.2	13.0	1	144.0	855	11
Apex	AE3541 ↗	E3	3.5	R	67.2	12.7	1	144.0	855	12
Kruger	K3214XF ↗	RXF	3.2	R	66.6	12.4	1	144.0	847	14
FS HiSOY	HS 34F30 ↗	RXF	3.4	R	65.4	12.5	1	144.0	832	15
Stine	33FD32 § ↗	RXF	3.5	R	65.2	12.7	1	141.3	829	16
Apex	AE3340 ↗	E3	3.3	R	64.9	12.0	1	144.0	826	17
Asgrow	AG33XF3 § ↗	RXF	3.3	R	64.8	12.4	1	144.0	824	18
NK Brand	S35-E3 § ↗	E3	3.5	R	64.5	12.9	1	144.0	820	19
Kruger	K3593XF ↗	RXF	3.5	R	63.2	12.3	1	144.0	804	20
Xitavo	XO 3651E ↗	E3	3.6	R	63.0	12.8	1	144.0	801	21
FS HiSOY	HS 31E20 ↗	E3,ST	3.1	R	62.6	13.2	1	144.0	796	22
Hoegemeyer	3544 E ↗	E3	3.5	R	61.8	12.2	1	144.0	786	23
NuTech	31N07E ↗	E3	3.1	R	61.7	12.3	1	144.0	785	24
FS HiSOY	HS 35F20 ↗	RXF	3.5	R	61.6	12.7	2	144.0	784	25
Renk	RS353NXF ↗	RXF	3.5	R	60.6	12.4	1	144.0	771	26
NuTech	34N02E ↗	E3	3.4	R	59.6	12.4	1	144.0	758	27
Apex	AE3131S ↗	E3,ST	3.1	R	58.9	12.6	1	144.0	749	28
Xitavo	XO 3131E ↗	E3	3.1	R	58.8	12.7	1	144.0	748	29
Stine	36PD92 § ↗	RXF	3.6	R	57.9	12.9	1	144.0	736	30
Hoegemeyer	3134 E ↗	E3	3.1	R	57.8	12.3	1	138.7	735	31
PIONEER	P30A75E CK	E3	3.0	MR	66.6	12.1	1	141.3	847	13
					Averages =	63.9	12.6	1	143.7	813
					LSD (0.10) =	3.9	0.4	ns		
					LSD (0.25) =	2.0	0.2	ns		
					C.V. =	5.7				
									Historic yield: 67.25 bu/a, 19 yr(s)	



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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$12.72

Report Date: 10/19/2023

† 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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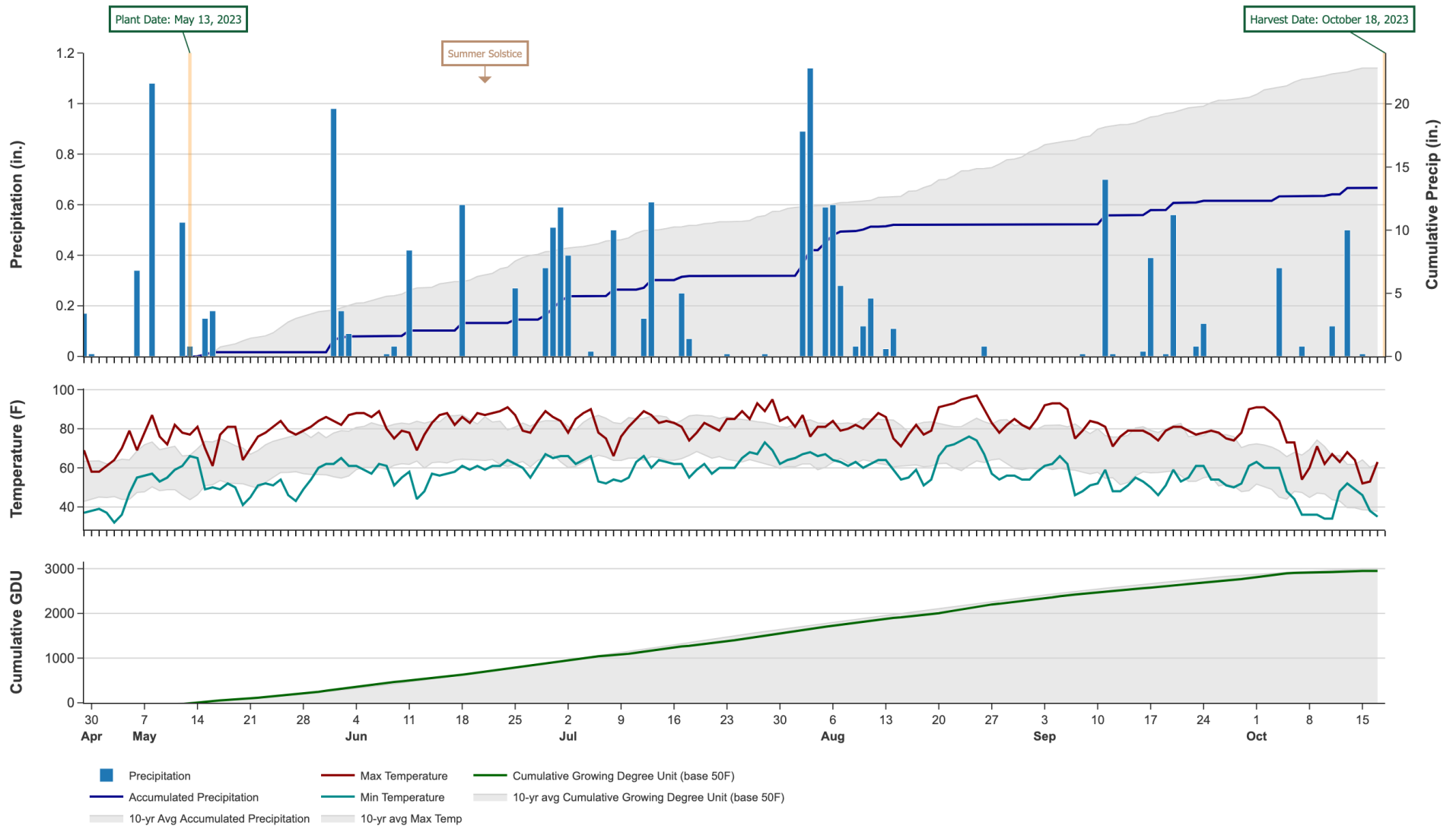
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2023 Soybeans - Iowa South [IASO]

Weather Conditions Summary at WINTERSET, IA

Weather Data Retrieved: 10/19/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.2 0.3 (-0.1)	2.3 5.3 (-3.0)	3.5 4.7 (-1.3)	2.6 3.4 (-0.8)	4.1 4.1 (-0.0)	1.9 4.7 (-2.8)	1.0 2.3 (-1.3)	15.5 24.9 (-9.3)
GDU Avg (Diff)	10 13 (-3)	435 357 (+77)	632 664 (-32)	680 746 (-66)	691 693 (-2)	518 513 (+4)	158 134 (+23)	3124 3125 (-1)



* 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.

2023 Soybeans - Iowa South [IASO]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2940S	E3,ST	R	2.9	PU
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG30XF4 §	RXF	R	3.0	ACi,IL
Brevant	B263EE §	E3	R	2.6	Lum,Lu,Lud,IL
Brevant	B283EE §	E3	R	2.8	Lum,Lu,Lud,IL
FS HiSOY	HS 25E30	E3	R	2.5	ACi,SA
FS HiSOY	HS 26E20	E3	R	2.6	ACi,SA
FS HiSOY	HS 27E30	E3	R	2.7	ACi,SA
FS HiSOY	HS 28F30	RXF	R	2.8	ACi,SA
Genesis	G2550E	E3	R	2.5	EcQ,NF,NH,SA
Genesis	G2780E	E3	R	2.7	EcQ,NF,NH,SA
Genesis	G2960E	E3	R	2.9	EcQ,NF,NH,SA
Golden Harvest	GH2884XF §	RXF	MR	2.8	CMB-APX,SA
Golden Harvest	GH3043E3	E3	R	3.0	CMB-APX,SA
Hoegemeyer	2724 E	E3	R	2.7	Lum,Lu,IL
Hoegemeyer	2834 E	E3	R	2.8	Lum,Lu,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
LG Seeds	LGS2505E3 GC	E3	NA	2.5	ASfi,SA
Mustang	29E224 GC	E3	R	2.9	Treated
NK Brand	NK29-Z4E3	E3	R	2.9	CMB-APX,SA
NK Brand	NK30-B2E3 §	E3	R	3.0	CMB-APX,SA
NuTech	27N03E	E3	R	2.7	Lum,Lu,IL
NuTech	27N06E	E3	R	2.7	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
NuTech	29N04E	E3	R	2.9	Lum,Lu,IL
Pioneer	P25A16E §	E3	R	2.5	NA
Pioneer	P28A65E §	E3	R	2.8	NA
Pioneer	P30A75E CK	E3	MR	3.0	Lum, LumT, IL
Stine	28EG29 §	E3	R	2.8	ACi
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,TU
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 2963E	E3	R	2.9	PV,IL,OB,Rey
Xitavo	XO 3014E	E3,ST	R	3.0	PV,IL,OB,Rey

2023 Soybeans - Iowa South [IASO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE3131S	E3,ST	R	3.1	PU
Apex	AE3340	E3	R	3.3	PU
Apex	AE3541	E3	R	3.5	PU
Asgrow	AG33XF3 §	RXF	R	3.3	ACi,IL
Asgrow	AG35XF1 §	RXF	R	3.5	ACi,IL
FS HiSOY	HS 31E20	E3,ST	R	3.1	ACi,SA
FS HiSOY	HS 32E30	E3	R	3.2	ACi,SA
FS HiSOY	HS 34F30	RXF	R	3.4	ACi,SA
FS HiSOY	HS 35F20	RXF	R	3.5	ACi,SA
Genesis	G3171ES	E3,ST	R	3.1	EcQ,NF,NH,SA
Genesis	G3460E	E3	R	3.4	EcQ,NF,NH,SA
Golden Harvest	GH3373E3S §	E3,ST	R	3.3	CMB-APX,SA
Golden Harvest	GH3693E3S	E3,ST	R	3.6	CMB-APX,SA
Hoegemeyer	3134 E	E3	R	3.1	Lum,Lu,IL
Hoegemeyer	3544 E	E3	R	3.5	Lum, LumT, 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
NK Brand	NK36-H9E3S	E3,ST	R	3.6	CMB-APX,SA
NK Brand	S35-E3 §	E3	R	3.5	CMB-APX,SA
NuTech	31N07E	E3	R	3.1	Lum,Lu,IL
NuTech	33N04E	E3	R	3.3	Lum,Lu,IL
NuTech	34N02E	E3	R	3.4	Lum,Lu,IL
NuTech	36N04E	E3	R	3.6	Lum,Lu,Lud,IL
P3 Genetics	2331E	E3	R	3.1	PG+
P3 Genetics	2433E	E3	R	3.4	PG+
Pioneer	P30A75E CK	E3	MR	3.0	Lum, LumT, IL
ProHarvest	32F26	RXF	R	3.2	PU
Renk	RS353NXF	RXF	R	3.5	Treated
Stine	33FD32 §	RXF	R	3.5	ACi
Stine	35EG29 §	E3	R	3.5	ACi
Stine	36PD92 §	RXF	R	3.6	ACi
Xitavo	XO 3131E	E3	R	3.1	PV,IL,OB,Rey
Xitavo	XO 3224E	E3	R	3.2	PV,IL,OB,Rey
Xitavo	XO 3483E	E3	MR	3.4	PV,IL,OB,Rey
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB,Rey

Footnotes and Abbreviations Descriptions

Brand Footnotes

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

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

Soybeans Technologies

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
ASfi,SA	AgriShield Max with Saltro®
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Treated	Treated, unspecified

* Seed treatments may include unspecified plant health promoting components.