

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

2022 Soybeans Top 30 Harvest Report

Iowa South [IASO] CAMBRIA, IA
Dan Allred, Wayne County, IA 50060

Early-Season Test	Maturity Group 2.5 - 3.0 S2022IASO52a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Full Time, Nxt, Glyphosate, Callisto
SOIL DESCRIPTION:	Seymour silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 6.7 pH, 3.8% OM, 16.3 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 3 140.0 /A 15" spacing
HARVESTED - STAND:	Oct 20 119.1 /A

TEST COMMENTS:

We attempted 3 times to plant this plot but the soil would not dry down. After planting it turned hot and dry which caused problems with emergence. The plants stood 20 to 31 inches tall and looked to have good pod sets but inspecting them we found many aborted seeds. Seed size was small. Again, yield depended on location, and if it received the spotty rainfall. There was no weed pressure and the plants were well-matured. Drydown on the seeds was happening fast and farmers in the area are trying to get them harvested quickly.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P30T99E § ↗	E3	3.0	R	58.4	7.8	1	132.0	776	1
NK Brand	NK30-B2E3 § ↗	E3	3.0	R	54.7	7.7	1	127.3	727	2
Asgrow	AG28XF3 § ↗	RXF	2.8	R	54.6	7.5	1	123.7	726	3
FS HiSOY	HS 26E20 ↗	E3	2.6	R	54.5	7.6	1	122.7	724	4
Xitavo	XO 2963E ↗	E3	2.9	R	54.0	7.8	1	132.0	718	5
Golden Harvest	GH3043E3 ↗	E3	3.0	R	53.5	7.8	1	123.7	711	6
Pioneer	P28T02E § ↗	E3	2.8	R	52.7	7.5	1	123.7	700	7
Pioneer	P29T37E GC ↗	E3	2.9	NA	51.8	7.4	1	128.7	688	8
NuTech	29N02E ↗	E3	2.9	R	51.4	7.7	1	127.3	683	9
Genesis	G2960E ↗	E3	2.9	R	51.1	7.5	1	121.3	679	10
NK Brand	NK29-Z4E3 ↗	E3	2.9	R	50.6	7.6	1	121.3	672	11
Xitavo	XO 2921E ↗	E3	2.9	R	50.5	7.8	1	125.0	671	12
Pioneer	P26T23E § ↗	E3	2.6	R	49.7	7.6	1	123.7	661	13
Asgrow	AG27XF3 § ↗	RXF	2.7	R	49.1	7.4	1	114.3	653	14
Stine	26EF23 § ↗	E3	2.6	R	48.8	7.7	1	125.0	649	15
Kruger	K3003XF ↗	RXF	3.0	R	48.8	7.9	1	114.3	649	16
Latham	L 2894 E3 ↗	E3	2.8	R	47.7	7.8	1	112.0	634	17
Xitavo	XO 2832E ↗	E3	2.8	R	46.6	7.7	1	123.7	619	18
Latham	L 2638 E3 ↗	E3	2.6	R	46.2	7.5	1	123.7	614	19
Kruger	K2816XF ↗	RXF	2.8	R	45.7	7.7	1	112.0	607	20
Hoegemeyer	2553 E ↗	E3	2.5	R	45.1	7.4	1	129.7	599	21
NuTech	25N04E ↗	E3	2.5	R	44.9	7.4	1	123.7	597	22
Xitavo	XO 2613E ↗	E3	2.6	R	44.6	7.9	1	123.7	593	23
Latham	L 2786 XF ↗	RXF	2.7	R	44.5	7.7	1	100.3	591	24
Stine	26EC32 § ↗	E3	2.6	R	44.5	7.6	1	123.7	591	25
NuTech	27N03E ↗	E3	2.7	R	44.4	7.5	1	132.0	590	26
NuTech	26N06E ↗	E3	2.6	R	44.3	7.6	1	120.3	589	27
Hoegemeyer	2763 E ↗	E3	2.7	R	43.8	7.4	1	127.3	582	28
Brevant	B252EE GC ↗	E3	2.5	R	43.8	7.5	1	128.7	582	29
Kruger	K2604XF ↗	RXF	2.6	R	42.9	7.8	1	105.0	570	30
PIONEER	P26T57E CK	E3	2.6	R	41.1	7.5	1	127.3	546	33
					Averages =	47.0	7.6	1	119.1	624
					LSD (0.10) =	6.8	0.2	ns		
					LSD (0.25) =	3.6	0.1	ns		
					C.V. =	13.7				
Randy Meinsma					randym@firstseedtests.com, (815) 238-8007					
									Historic yield: 61.43 bu/a, 4 yr(s)	

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

Report Date: 10/20/2022

† 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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Full-Season Test	Maturity Group 3.1 - 3.6 S2022IASO52b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Full Time, Nxt, Glyphosate, Callisto
SOIL DESCRIPTION:	Seymour silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 6.7 pH, 3.8% OM, 16.3 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 3 140.0 /A 15" spacing
HARVESTED - STAND:	Oct 20 126.6 /A

TEST COMMENTS:

We attempted 3 times to plant this plot but the soil would not dry down. After planting it turned hot and dry which caused problems with emergence. The plants stood 20 to 31 inches tall and looked to have good pod sets but inspecting them we found many aborted seeds. Seed size was small. Again, yield depended on location, and if it received the spotty rainfall. There was no weed pressure and the plants were well-matured. Drydown on the seeds was happening fast and farmers in the area are trying to get them harvested quickly.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	L 3123 E3 ↗	E3	3.1	R	62.3	7.7	1	129.7	828	1
Hoegemeyer	3591 E ↗	E3	3.5	R	60.5	8.0	1	135.7	804	2
Stine	32EE21 § ↗	E3	3.2	R	59.7	7.7	1	134.3	793	3
NK Brand	NK33-W2E3S § ↗	E3,ST	3.3	R	59.4	7.9	1	135.7	789	4
Genesis	G3460ES ↗	E3,ST	3.4	R	58.6	7.6	1	121.3	779	5
NuTech	34N02E ↗	E3	3.4	R	58.5	8.1	1	137.0	777	6
NK Brand	S35-E3 ↗	E3	3.5	R	58.1	8.1	1	129.7	772	7
Golden Harvest	GH3373E3S ↗	E3,ST	3.3	R	58.1	8.0	1	130.7	772	8
NuTech	31N06E ↗	E3	3.1	R	57.2	7.7	1	134.3	760	9
Xitavo	XO 3651E ↗	E3	3.6	R	57.0	8.0	1	132.0	758	10
P3 Genetics	2136E ↗	E3	3.6	R	56.9	8.1	1	132.0	756	11
P3 Genetics	2234E ↗	E3	3.4	R	56.6	7.8	1	129.7	752	12
Pioneer	P31T64E § ↗	E3	3.1	NA	56.2	7.7	1	135.7	747	13
P3 Genetics	2331E ↗	E3	3.1	R	56.0	7.6	1	132.0	744	14
Stine	31EF23 § ↗	E3	3.1	R	56.0	7.8	1	130.7	744	15
FS HiSOY	HS 35E10 ↗	E3	3.5	R	55.8	7.7	1	130.7	742	16
NuTech	35N03E ↗	E3	3.5	R	54.6	8.0	1	135.7	726	17
Apex	AE3330S ↗	E3	3.3	R	54.5	7.8	1	135.7	724	18
Hoegemeyer	3413 E ↗	E3	3.4	R	54.3	7.8	1	129.7	722	19
FS HiSOY	HS 33E20 ↗	E3,ST	3.3	R	54.0	7.6	1	126.0	718	20
Kruger	K3214XF ↗	RXF	3.2	R	53.5	7.7	1	121.3	711	21
Xitavo	XO 3341E ↗	E3	3.3	R	52.6	7.9	1	132.0	699	22
Xitavo	XO 3483E ↗	E3,ST	3.4	MR	52.2	7.6	1	130.7	694	23
ProHarvest	34F37 ↗	RXF	3.4	R	51.8	8.0	1	123.7	688	24
FS HiSOY	HS 34F00 ↗	RXF	3.4	R	51.7	7.9	1	126.0	687	25
Latham	L 3479 E3 ↗	E3	3.4	R	50.7	7.5	1	128.3	674	26
Xitavo	XO 3131E ↗	E3	3.1	R	50.3	7.7	1	135.7	668	27
Kruger	K3305XF ↗	RXF	3.3	R	49.4	8.0	1	126.0	657	28
Golden Harvest	GH3442XF § ↗	RXF	3.4	MR	47.9	7.6	1	116.7	637	29
Asgrow	AG32XF2 § ↗	RXF	3.2	R	46.8	7.9	1	119.0	622	30
PIONEER	P26T57E CK	E3	2.6	R	43.1	7.6	1	130.7	573	34
					Averages =	53.2	7.9	1	126.6	706
					LSD (0.10) =	5.8	0.2	ns		
					LSD (0.25) =	3.0	0.1	ns		
					C.V. =	10.3				
					Historic yield: 61.43 bu/a, 4 yr(s)					



Randy Meinsma

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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.04 Prices: GMO = \$13.29

Report Date: 10/20/2022

† 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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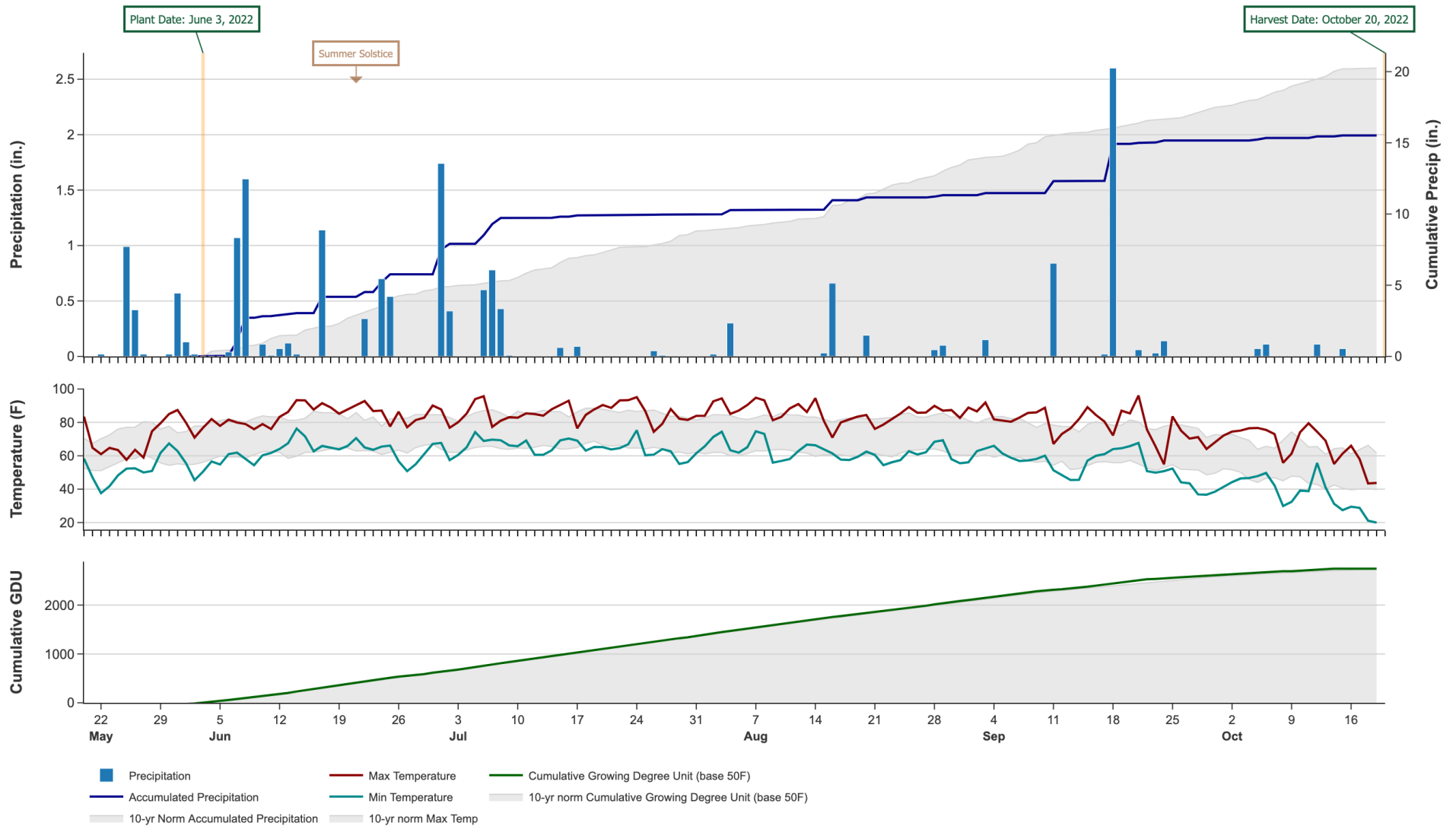
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2022 Soybeans - Iowa South [IASO]

Weather Conditions Summary at CAMBRIA, IA

Weather Data Retrieved: 10/20/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.0 2.6 (-0.5)	5.9 4.9 (+1.0)	4.2 4.1 (+0.1)	1.4 4.6 (-3.3)	3.8 4.0 (-0.2)	0.4 2.8 (-2.4)	17.7 23.1 (-5.4)
GDU Normal (Diff)	144 182 (-38)	656 654 (+1)	749 766 (-17)	720 697 (+22)	523 509 (+13)	138 160 (-22)	2930 2970 (-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

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	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

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®

* Seed treatments may include unspecified plant health promoting components.