

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

2021 Soybeans Top 30 Harvest Report

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

Early-Season Test	Maturity Group 2.5 - 3.0 S2021IASO53a
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Round Up, Atrazine, Callisto, Harness Xtra, 2-4d
SOIL DESCRIPTION:	Taintor sandy clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.7 pH, 5.0% OM, 21.8 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Authority Supreme, 2-4d, Round Up, Liberty, Outlook, Volunter, Domark, Leverage
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 2 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 20 156.7 /A

TEST COMMENTS:

This plot was held up by the rains in May and did not get planted till early June. Soil conditions were very good and plants emerged very well. At harvest, the plants stood 32 to 46 inches tall. Most plants were in the shorter range and were full of pods and pod sets were tight with small seed size. Almost all plant stems were matured and made harvest easy.

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	83.4	12.1	1	157.0	1011	1
Stine	28EC32 § ↗	E3	2.8	R	79.6	12.1	1	157.0	965	2
FS HiSOY	30F10 ↗	RXF	3.0	R	79.5	12.0	1	157.0	964	3
NuTech	26N06E ↗	E3	2.6	R	78.9	11.7	1	157.0	956	4
Credenz	CZ 3099GTLL ↗	LLGT27	3.1	R	78.5	11.5	1	157.0	951	6
Golden Harvest	GH2922E3 ↗	E3	2.9	R	78.5	11.7	1	157.0	951	7
Hoegemeyer	2831 E ↗	E3	2.8	R	77.1	11.8	1	157.0	934	8
NuTech	30N05E ↗	E3	3.0	R	76.9	11.3	1	157.0	932	9
Xitavo	XO 2832E ↗	E3	2.8	R	76.3	12.0	1	157.0	925	10
Golden Harvest	GH2562XF ↗	RXF	2.5	R	76.0	11.7	1	157.0	921	11
Golden Harvest	GH2722XF § ↗	RXF	2.7	MR	75.3	11.2	1	153.7	913	12
FS HiSOY	27E10 ↗	E3	2.7	R	75.3	11.7	1	157.0	913	13
Xitavo	XO 2501E ↗	E3	2.5	R	75.3	11.8	1	157.0	913	14
Apex	AE2920 ↗	E3	2.9	R	74.5	11.8	1	157.0	903	15
Champion	3022XL GC ↗	RXF	3.0	NA	72.9	11.9	1	157.0	884	16
Asgrow	AG30XF2 § ↗	RXF	3.0	R	72.7	11.9	1	155.3	881	17
Golden Harvest	GH2872XF ↗	RXF	2.8	R	71.9	11.5	1	157.0	871	18
Genesis	G2960E ↗	E3	2.9	R	71.6	11.8	1	157.0	868	19
NuTech	29N02E ↗	E3	2.9	R	70.8	12.4	1	155.3	858	20
Xitavo	XO 2921E ↗	E3	2.9	R	70.7	11.7	1	157.0	857	21
Kruger	K3003XF ↗	RXF	3.0	R	70.1	11.2	1	155.3	850	22
FS HiSOY	28E10 ↗	E3	2.8	R	69.7	12.0	1	157.0	845	23
Miller Hybrids	2503-E3 § ↗	E3	2.5	R	69.3	11.6	1	157.0	840	24
Kruger	K2902XF ↗	RXF	2.9	R	68.5	11.9	1	157.0	830	25
Kruger	K2793XF ↗	RXF	2.7	R	68.1	11.8	1	157.0	825	26
Kruger	K2885XF ↗	RXF	2.8	R	67.9	12.0	1	157.0	823	27
FS HiSOY	29F10 ↗	RXF	2.9	R	67.2	11.3	1	155.3	814	28
NuTech	28N02E ↗	E3	2.8	R	66.4	11.5	1	157.0	805	29
Hoegemeyer	2660 E ↗	E3	2.6	R	65.0	11.5	1	157.0	788	30
Pioneer	P29T37E CK	E3	2.9	NA	78.8	11.6	1	157.0	955	5



Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

Averages = **73.6** **11.7** **1** **156.7** **892**

LSD (0.10) = 4.9 ns ns

LSD (0.25) = 2.6 ns ns

C.V. = 6.3

Historic yield: 68.56 bu/a, 11 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.03 Prices: GMO = \$12.12

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

©2021, All rights reserved by Elite Field Genetics, LLC

Additional reports available at www.firstseedtests.com

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

2021 Soybeans Top 30 Harvest Report

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

Full-Season Test	Maturity Group 3.1 - 3.6 S2021IASO53b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Round Up, Atrazine, Callisto, Harness Xtra, 2-4d
SOIL DESCRIPTION:	Taintor sandy clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.7 pH, 5.0% OM, 21.8 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Authority Supreme, 2-4d, Round Up, Liberty, Outlook, Volunter, Domark, Leverage
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 2 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 20 157.0 /A

TEST COMMENTS:

This plot was held up by the rains in May and did not get planted till early June. Soil conditions were very good and plants emerged very well. At harvest, the plants stood 32 to 46 inches tall. Most plants were in the shorter range and were full of pods and pod sets were tight with small seed size. Almost all plant stems were matured and made harvest easy.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG32XF2 § ↗	RXF	3.2	R	85.7	12.3	1	157.0	1039	1
Genesis	G3260E ↗	E3	3.2	R	83.7	11.4	1	157.0	1014	2
Credenz	CZ 3309GTLL ↗	LLGT27	3.3	R	81.2	11.4	1	157.0	984	3
Kruger	K3103XF ↗	RXF	3.1	R	81.0	12.0	1	157.0	982	4
Apex	AE3310 ↗	E3	3.3	R	80.8	11.2	1	157.0	979	5
Golden Harvest	GH3192XF § ↗	RXF	3.1	MR	80.5	11.5	1	157.0	976	6
FS HiSOY	35F10 ↗	RXF	3.5	R	80.4	12.2	2	157.0	974	7
Hoegemeyer	3141 E ↗	E3	3.1	R	80.2	12.0	1	157.0	972	8
Kruger	K3305XF ↗	RXF	3.3	R	79.6	11.6	2	157.0	965	9
Apex	AE3220 ↗	E3	3.2	R	79.3	12.2	1	157.0	961	10
Xitavo	XO 3131E ↗	E3	3.1	R	79.3	11.7	1	157.0	961	11
NK Brand	NK34-G1XF ↗	RXF	3.4	MR	79.3	12.0	1	157.0	961	12
Golden Harvest	GH3442XF ↗	RXF	3.4	MR	78.6	11.6	1	157.0	953	13
Donmario	DM36F62S ↗	RXF	3.6	NA	78.6	11.8	1	157.0	953	14
FS HiSOY	32E00 ↗	E3	3.2	R	78.1	11.5	1	157.0	947	15
Golden Harvest	GH3132E3 GC ↗	E3	3.1	R	77.9	11.4	1	157.0	944	16
NuTech	35N03E ↗	E3	3.5	R	77.4	11.0	1	157.0	938	17
Golden Harvest	GH3380E3 ↗	E3	3.3	NA	76.4	11.4	1	157.0	926	18
FS HiSOY	35E10 ↗	E3	3.5	R	76.3	11.5	1	157.0	925	19
NK Brand	S35-E3 ↗	E3	3.5	R	76.0	12.3	1	157.0	921	20
FS HiSOY	36F10 ↗	RXF	3.6	R	75.8	12.1	1	157.0	919	21
P3 Genetics	2234E ↗	E3	3.4	R	75.7	12.3	2	157.0	917	22
NK Brand	NK35-J6E3S § ↗	E3,ST	3.5	MR	75.6	11.9	1	157.0	916	23
Cornelius	CB31XF42 ↗	RXF	3.1	R	75.5	12.1	1	157.0	915	24
NK Brand	NK31-M7E3 ↗	E3	3.1	R	75.3	11.4	1	157.0	913	25
Hoegemeyer	3591 E ↗	E3	3.5	R	75.0	11.4	1	157.0	909	27
NuTech	31N06E ↗	E3	3.1	R	74.4	12.5	1	157.0	902	28
Xitavo	XO 3651E ↗	E3	3.6	R	74.2	11.6	1	157.0	899	29
Cornelius	CB35XF65 ↗	RXF	3.5	R	73.8	11.6	1	157.0	894	30
Channel	3022RFX GC ↗	RXF	3.0	R	73.6	12.5	3	157.0	891	31
Pioneer	P29T37E CK	E3	2.9	NA	75.1	11.8	1	157.0	910	26



Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

Averages = **75.3** **11.8** **1** **157.0** **913**

LSD (0.10) = 4.9 ns ns

LSD (0.25) = 2.6 ns ns

C.V. = 6.2

Historic yield: 68.56 bu/a, 11 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.03 Prices: GMO = \$12.12

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

©2021, All rights reserved by Elite Field Genetics, LLC

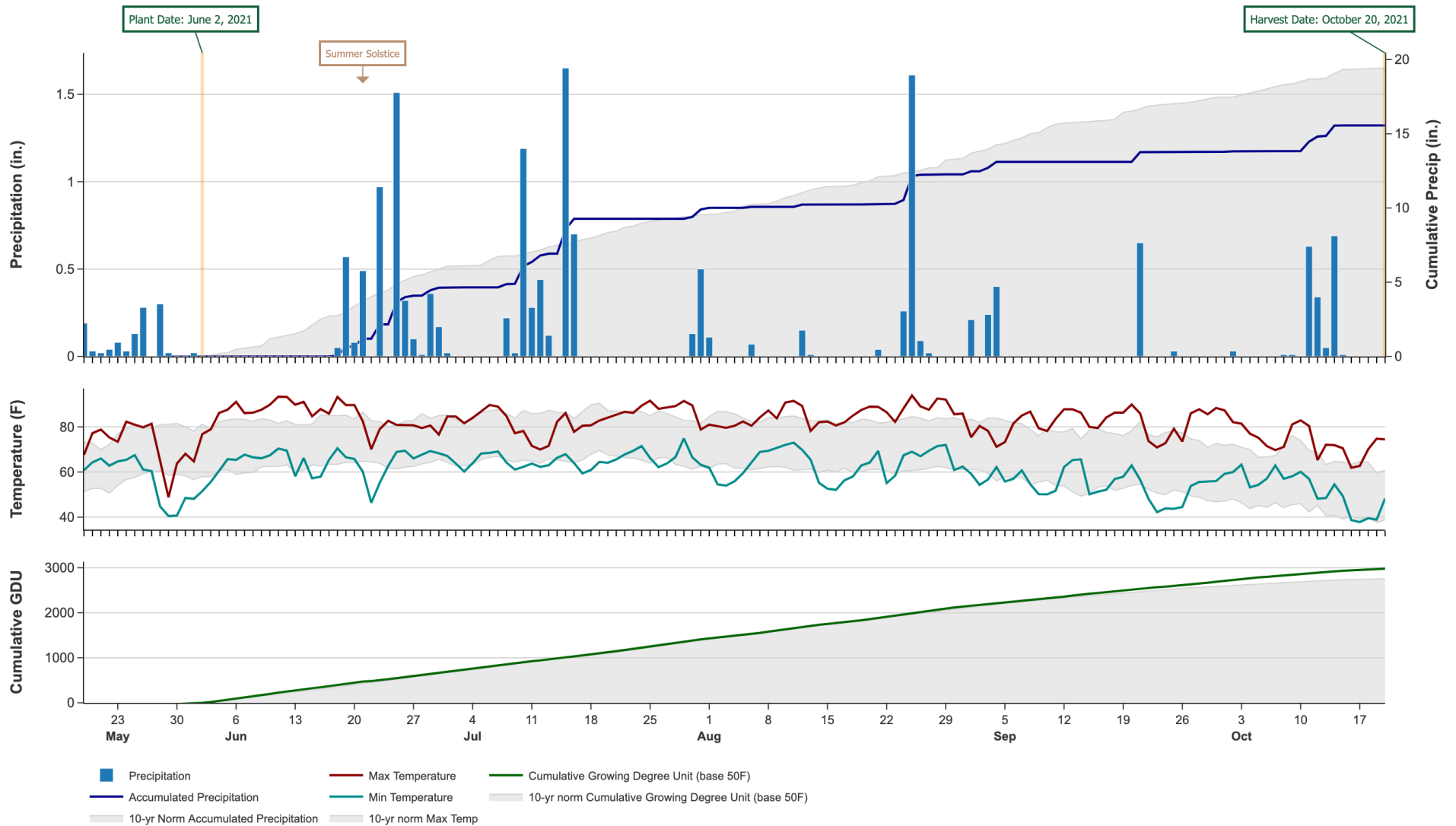
Additional reports available at www.firstseedtests.com

2021 Soybeans - Iowa South [IASO]

Weather Conditions Summary at WASHINGTON, IA

Weather Data Retrieved: 10/21/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.1 2.1 (-0.9)	4.7 6.2 (-1.5)	5.3 3.7 (+1.6)	2.4 3.8 (-1.4)	1.5 4.1 (-2.6)	1.8 2.0 (-0.2)	16.7 21.8 (-5.1)
GDU Normal (Diff)	209 219 (-10)	688 671 (+16)	740 778 (-38)	732 694 (+37)	548 481 (+66)	289 165 (+123)	3206 3009 (+196)



* 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 - Iowa South [IASO]

Early-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2920	E3	R	2.9	CMBV,SA
Asgrow	AG30XF2 §	RXF	R	3.0	ACi,IL
Champion	3022XL GC	RXF	NA	3.0	NA
Credenz	CZ 3099GTLL	LLGT27	R	3.1	PV,IL,OB
FS HiSOY	27E10	E3	R	2.7	ACi,B-200
FS HiSOY	28E10	E3	R	2.8	ACi,B-200
FS HiSOY	29F10	RXF	R	2.9	ACi,B-200
FS HiSOY	30F10	RXF	R	3.0	ACi,SA,B-200
Genesis	G2960E	E3	R	2.9	CMBV,SA
Golden Harvest	GH2562XF	RXF	R	2.5	CMBV,SA
Golden Harvest	GH2722XF §	RXF	MR	2.7	CMBV,SA
Golden Harvest	GH2872XF	RXF	R	2.8	CMBV,SA
Golden Harvest	GH2922E3	E3	R	2.9	CMBV,SA
Hoegemeyer	2660 E	E3	R	2.6	Lum,Lu,IL
Hoegemeyer	2831 E	E3	R	2.8	Lum,Lu,IL
Kruger	K2793XF	RXF	R	2.7	ACi,IL
Kruger	K2885XF	RXF	R	2.8	ACi,IL
Kruger	K2902XF	RXF	R	2.9	ACi,IL
Kruger	K3003XF	RXF	R	3.0	ACi,IL
Miller Hybrids	2503-E3 §	E3	R	2.5	NA
NuTech	26N06E	E3	R	2.6	Lum,Lu,IL
NuTech	28N02E	E3	R	2.8	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
NuTech	30N05E	E3	R	3.0	Lum,Lu,IL
Pioneer	P29T37E CK	E3	NA	2.9	NA
Pioneer	P30T99E §	E3	R	3.0	NA
Stine	28EC32 §	E3	R	2.8	SFI
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB

2021 Soybeans - Iowa South [IASO]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE3220	E3	R	3.2	CMBV,SA
Apex	AE3310	E3	R	3.3	CMBV,SA
Apex	AE3420	E3	R	3.4	CMBV,SA
Asgrow	AG31XF2 §	RXF	R	3.1	ACi
Asgrow	AG32XF2 §	RXF	R	3.2	ACi,IL
Asgrow	AG35XF1 §	RXF	R	3.5	Untreated
Channel	3022RXF GC	RXF	R	3.0	ACi,IL
Cornelius	CB31XF42	RXF	R	3.1	PG+
Cornelius	CB35XF65	RXF	R	3.5	PG+
Credenz	CZ 3309GTLL	LLGT27	R	3.3	PV,IL,OB
Donmario	DM36F62S	RXF	NA	3.6	CMBV
FS HiSOY	32E00	E3	R	3.2	ACi,SA,B-200
FS HiSOY	35E10	E3	R	3.5	ACi,B-200
FS HiSOY	35F10	RXF	R	3.5	ACi,B-200
FS HiSOY	36F10	RXF	R	3.6	ACi,B-200
Genesis	G3260E	E3	R	3.2	CMBV,SA
Genesis	G3460E	E3	R	3.4	CMBV,SA
Golden Harvest	GH3132E3 GC	E3	R	3.1	CMBV,SA
Golden Harvest	GH3192XF §	RXF	MR	3.1	CMBV,SA
Golden Harvest	GH3380E3	E3	NA	3.3	Untreated
Golden Harvest	GH3442XF	RXF	MR	3.4	CMBV,SA
Golden Harvest	GH3512E3S	E3,ST	MR	3.5	CMBV,SA
Hoegemeyer	3141 E	E3	R	3.1	Lum,Lu,IL
Hoegemeyer	3421 SE	E3,ST	R	3.4	Lum,Lu,IL
Hoegemeyer	3591 E	E3	R	3.5	Lum,Lu,IL
Kruger	K3103XF	RXF	R	3.1	ACi,IL
Kruger	K3305XF	RXF	R	3.3	ACi,IL
Kruger	K3594XF	RXF	R	3.5	ACi,IL
Kruger	K3603XF	RXF	R	3.6	ACi,IL
Miller Hybrids	3403-E3 GC	E3	R	3.4	NA
NK Brand	NK31-M7E3	E3	R	3.1	CMBV,SA
NK Brand	NK34-G1XF	RXF	MR	3.4	CMBV,SA
NK Brand	NK35-J6E3S §	E3,ST	MR	3.5	CMBV,SA
NK Brand	S35-E3	E3	R	3.5	CMBV,SA
NuTech	31N06E	E3	R	3.1	Lum,Lu,IL
NuTech	34N06E	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+
Pioneer	P29T37E CK	E3	NA	2.9	NA
Stine	32EB02 §	E3	R	3.2	SFI
Stine	35EE32 §	E3	R	3.5	SFI

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 3131E	E3	R	3.1	PV,IL,OB
Xitavo	XO 3341E	E3	R	3.3	PV,IL,OB
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB

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
LLGT27	LibertyLink® GT27®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

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
ACi,SA,B-200	Acceleron® Standard Insecticide-Fungicide, Saltro®, B-200 SAT
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PG+	Profit Guard +
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.