

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

2021 Soybeans Top 30 Harvest Report

Iowa South Central [IASC] NEVADA, IA
Shane, Spencer, Norman Harrison, Story County, IA 50201

Early-Season Test	Maturity Group 2.3 - 2.7 S2021IASC42a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Glyphosate, Laudis, Atrazine, Quilt Exel
SOIL DESCRIPTION:	Clarion loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 7.0 pH, 3.6% OM, 18.1 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Dual, Zidua Pro, Clehodim, Fomesofan
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 13 160.0 /A 15" spacing
HARVESTED - STAND:	Nov 4 156.8 /A

TEST COMMENTS:

Planting conditions were very good and plants emerged well. The plot grew fast, and at harvest, the plants stood 38 to 50 inches tall. The plot was located on a lower part of the field and held what little moisture it received during the season. The pod sets were tight with small seed sizes. With such tall plants, lodging was going to happen. All lodging stayed within the strips and had no problem harvesting. The field did receive close to 6 inches of rain before we could harvest, which made us wait until things dried down. The plants were mature and the plots were very clean.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Stine	25EB32 § ↗	E3	2.5	R	91.0	12.9	46	157.0	1103	1
NK Brand	NK25-C9XF ↗	RXF	2.5	MR	89.4	12.9	7	157.0	1084	2
Golden Harvest	GH2562XF ↗	RXF	2.5	R	88.4	13.3	59	157.0	1071	3
Hefty	H26XF2 ↗	RXF	2.6	NA	86.7	13.0	59	157.0	1051	4
Hoegemeyer	2660 E ↗	E3	2.6	R	86.2	13.5	8	157.0	1043	5
Zinesto	Z2700E ↗	E3	2.7	R	85.6	13.2	14	157.0	1037	6
Latham	L 2458 E3 ↗	E3	2.4	R	85.0	13.0	39	157.0	1030	7
Credenz	CZ 2760GTLL ↗	LLGT27	2.7	R	84.7	13.1	15	155.3	1026	8
Stine	24EE32 § ↗	E3	2.4	R	83.8	12.9	38	157.0	1016	9
Xitavo	XO 2472E ↗	E3	2.4	R	83.6	13.3	14	157.0	1012	10
Zinesto	Z2300E ↗	E3	2.3	R	83.3	13.2	49	157.0	1009	11
Hoegemeyer	2421 E ↗	E3	2.4	R	82.7	13.1	30	157.0	1002	12
Golden Harvest	GH2722XF § ↗	RXF	2.7	MR	82.3	13.1	35	157.0	997	14
FS HISOY	27F10 ↗	RXF	2.7	R	81.7	13.3	46	157.0	989	15
NuTech	24N04E ↗	E3	2.4	R	81.1	13.5	43	157.0	982	16
Pioneer	P25T09E § ↗	E3	2.5	R	79.7	13.2	3	157.0	965	17
P3 Genetics	2126E ↗	E3	2.6	R	79.4	13.0	7	155.3	962	18
Apex	AE2610 ↗	E3	2.6	R	79.2	12.9	11	157.0	960	19
Channel	2420RXC GC ↗	RXF	2.4	R	79.1	13.5	65	157.0	958	20
Zinesto	Z2401E ↗	E3	2.4	R	78.7	12.9	49	157.0	954	21
NuTech	26N06E ↗	E3	2.6	R	78.3	13.6	6	157.0	948	22
Cornelius	CB26XF76 ↗	RXF	2.6	R	78.2	13.7	41	157.0	946	23
Apex	AE2420S ↗	E3,ST	2.4	R	77.7	13.3	30	157.0	941	24
LG Seeds	LGS2561XF GC ↗	RXF	2.6	R	77.3	13.5	31	157.0	936	25
FS HISOY	27E10 ↗	E3	2.7	R	77.3	13.2	2	157.0	936	26
Hefty	H25XF1 ↗	RXF	2.5	NA	77.1	12.6	46	155.3	934	27
Latham	L 2638 E3 ↗	E3	2.6	R	76.6	12.8	13	157.0	928	28
Cornelius	CB27XF34 ↗	RXF	2.7	R	76.5	13.9	50	157.0	925	29
Credenz	CZ 2550GTLL ↗	LLGT27	2.5	MR	76.1	12.7	4	157.0	922	30
Champion	2612XL GC ↗	RXF	2.6	NA	75.4	13.6	13	157.0	912	31
PIONEER	P29T37E CK	E3	2.9	NA	82.6	12.8	11	157.0	1001	13
					Averages =	78.0	13.2	25	156.8	945
					LSD (0.10) =	5.2	0.3	16		
					LSD (0.25) =	2.7	0.2	8		
					C.V. =	6.4				
					Historic yield: 48.63 bu/a, 2 yr(s)					



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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.03 Prices: GMO = \$12.12

Report Date: 11/05/2021

† 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

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Full-Season Test	Maturity Group 2.8 - 3.2 S2021IASC42b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Glyphosate, Laudis, Atrazine, Quilt Exel
SOIL DESCRIPTION:	Clarion loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 7.0 pH, 3.6% OM, 18.1 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Dual, Zidua Pro, Clehodim, Fomesofan
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 13 160.0 /A 15" spacing
HARVESTED - STAND:	Nov 4 156.7 /A

TEST COMMENTS:

Planting conditions were very good and plants emerged well. The plot grew fast, and at harvest, the plants stood 38 to 50 inches tall. The plot was located on a lower part of the field and held what little moisture it received during the season. The pod sets were tight with small seed sizes. With such tall plants, lodging was going to happen. All lodging stayed within the strips and had no problem harvesting. The field did receive close to 6 inches of rain before we could harvest, which made us wait until things dried down. The plants were mature and the plots were very clean.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z3001E ↗	E3	3.0	R	90.6	12.5	13	157.0	1098	1
Apex	AE3220 ↗	E3	3.2	R	90.1	12.6	54	157.0	1092	2
Hefty	H28XF2 ↗	RXF	2.8	NA	89.5	12.3	64	157.0	1085	3
Zinesto	Z3101E ↗	E3	3.1	R	88.5	12.9	8	157.0	1073	4
NuTech	28N02E ↗	E3	2.8	R	87.1	12.1	26	157.0	1056	6
Hoegemeyer	2831 E ↗	E3	2.8	R	87.1	12.3	31	157.0	1056	7
Genesis	G2960E ↗	E3	2.9	R	85.3	12.2	33	157.0	1034	8
Golden Harvest	GH3132E3 ↗	E3	3.1	R	85.1	12.5	26	157.0	1031	9
P3 Genetics	2231E ↗	E3	3.1	R	84.6	12.6	45	157.0	1025	10
Zinesto	Z3202E ↗	E3	3.2	NA	84.4	12.4	43	157.0	1023	11
Golden Harvest	GH3192XF ↗	RXF	3.1	MR	84.2	12.7	11	157.0	1021	12
FS HiSOY	28E10 ↗	E3	2.8	R	84.1	12.4	5	157.0	1019	13
NuTech	30N05E ↗	E3	3.0	R	83.2	12.8	9	157.0	1008	14
Xitavo	XO 2921E ↗	E3	2.9	R	82.7	12.5	14	157.0	1002	15
Zinesto	Z2902E ↗	E3	2.9	NA	82.4	12.4	6	157.0	999	16
Genesis	G3260E ↗	E3	3.2	R	81.9	12.4	50	157.0	993	17
Cornelius	CB31XF42 ↗	RXF	3.1	R	81.1	12.7	45	157.0	983	18
NuTech	31N06E ↗	E3	3.1	R	80.8	12.3	54	157.0	979	19
Apex	AE2920 ↗	E3	2.9	R	80.4	12.3	10	157.0	974	20
Hoegemeyer	3141 E ↗	E3	3.1	R	79.4	12.4	19	157.0	962	21
Stine	28EC32 § ↗	E3	2.8	R	78.4	12.2	3	157.0	950	22
Channel	2922RFX GC ↗	RXF	2.9	R	78.3	12.3	42	157.0	949	23
Credenz	CZ 3099GTLL ↗	LLGT27	3.1	R	77.8	12.6	54	157.0	943	24
Hefty	H30XF2 ↗	RXF	3.0	NA	76.7	12.8	31	157.0	930	25
Xitavo	XO 3131E ↗	E3	3.1	R	76.4	12.5	27	157.0	926	26
FS HiSOY	29F10 ↗	RXF	2.9	R	76.3	12.9	10	157.0	925	27
NuTech	29N02E ↗	E3	2.9	R	76.2	12.1	41	157.0	924	28
Latham	L 2839 LLGT27 ↗	LLGT27	2.8	R	76.1	12.5	46	157.0	922	29
Latham	L 3086 XF ↗	RXF	3.0	R	75.3	12.9	37	157.0	913	30
Golden Harvest	GH2922E3 ↗	E3	2.9	R	75.2	12.1	9	157.0	911	31
PIONEER	P29T37E CK	E3	2.9	NA	87.6	12.1	31	157.0	1062	5
					Averages =	78.2	12.5	27	156.7	947
					LSD (0.10) =	5.9	0.2	15		
					LSD (0.25) =	3.1	0.1	8		
					C.V. =	7.2				
								Historic yield: 48.63 bu/a, 2 yr(s)		



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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.03 Prices: GMO = \$12.12

Report Date: 11/05/2021

† 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

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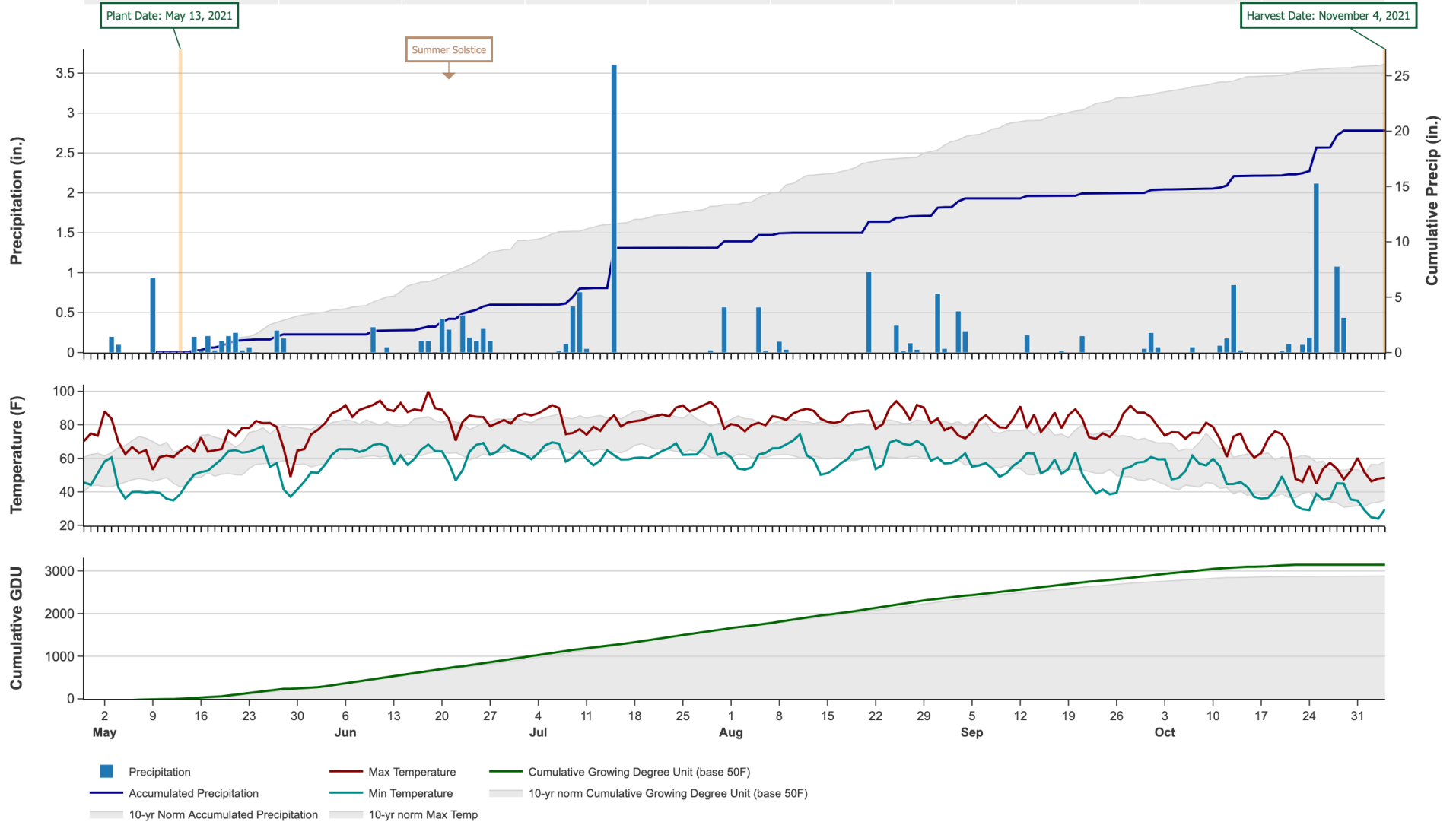
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2021 Soybeans - Iowa South Central [IASC]

Weather Conditions Summary at NEVADA, IA

Weather Data Retrieved: 11/05/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	0.0 0.3 (-0.3)	2.9 5.4 (-2.6)	2.7 5.9 (-3.2)	5.7 4.0 (+1.7)	3.0 4.9 (-1.9)	1.3 4.9 (-3.6)	5.6 2.6 (+3.0)	0.0 0.2 (-0.2)	21.3 28.3 (-7.0)
GDU Normal (Diff)	22 11 (+10)	349 357 (-8)	687 634 (+52)	711 746 (-35)	704 655 (+48)	530 450 (+79)	263 146 (+116)	0 0 (0)	3266 3002 (+263)



* 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 Central [IASC]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2420S	E3,ST	R	2.4	CMBV,SA
Apex	AE2610	E3	R	2.6	CMBV,SA
Champion	2612XL GC	RXF	NA	2.6	NA
Channel	2420RXF GC	RXF	R	2.4	ACi,IL
Channel	2521RXF GC	RXF	NA	2.5	ACi
Cornelius	CB26XF76	RXF	R	2.6	PG+
Cornelius	CB27XF34	RXF	R	2.7	PG+
Credenz	CZ 2550GTLL	LLGT27	MR	2.5	PV,IL,OB
Credenz	CZ 2760GTLL	LLGT27	R	2.7	PV,IL,OB
FS HiSOY	23F10	RXF	R	2.3	ACi,B-200
FS HiSOY	27E10	E3	R	2.7	ACi,B-200
FS HiSOY	27F10	RXF	R	2.7	ACi,B-200
Genesis	G2460ES	E3,ST	R	2.4	CMBV,SA
Golden Harvest	GH2562XF	RXF	R	2.5	CMBV,SA
Golden Harvest	GH2722XF §	RXF	MR	2.7	CMBV,SA
Hefty	H23XF1	RXF	NA	2.3	DST4,SA
Hefty	H24XF2	RXF	NA	2.4	DST4,SA
Hefty	H25XF1	RXF	NA	2.5	DST4,SA
Hefty	H26XF2	RXF	NA	2.6	DST4,SA
Hoegemeyer	2421 E	E3	R	2.4	Lum,Lu,IL
Hoegemeyer	2660 E	E3	R	2.6	Lum,Lu,IL
Kruger	K2391XF	RXF	R	2.3	ACi,IL
Kruger	K2594XF	RXF	R	2.5	ACi,IL
Kruger	K2604XF	RXF	R	2.6	ACi,IL
Kruger	K2793XF	RXF	R	2.7	ACi,IL
Latham	L 2458 E3	E3	R	2.4	SS+,SA
Latham	L 2494 XF	RXF	R	2.4	SS+,SA
Latham	L 2638 E3	E3	R	2.6	SS+,SA
Latham	L 2786 XF	RXF	R	2.7	SS+,SA
LG Seeds	LGS2348E3 §	E3	R	2.3	NA
LG Seeds	LGS2491XF §	RXF	NA	2.4	NA
LG Seeds	LGS2561XF GC	RXF	R	2.6	ASfi,SA
NK Brand	NK25-C9XF	RXF	MR	2.5	CMBV,SA
NK Brand	NK27-A7XF §	RXF	MR	2.7	CMBV,SA
NuTech	24N04E	E3	R	2.4	Lum,Lu,IL
NuTech	26N06E	E3	R	2.6	Lum,Lu,IL
P3 Genetics	2126E	E3	R	2.6	PG+
Pioneer	P25T09E §	E3	R	2.5	Treated
Pioneer	P29T37E CK	E3	NA	2.9	NA
Renk	RS242NXF	RXF	R	2.4	EcTC,SA
Stine	24EE32 §	E3	R	2.4	SFI
Stine	25EB32 §	E3	R	2.5	SFI

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 2472E	E3	R	2.4	PV,IL,OB
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB
Zinesto	Z2300E	E3	R	2.3	DST4,SA
Zinesto	Z2302SE	E3,ST	NA	2.3	DST4,SA
Zinesto	Z2401E	E3	R	2.4	DST4,SA
Zinesto	Z2700E	E3	R	2.7	DST4,SA

2021 Soybeans - Iowa South Central [IASC]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2920	E3	R	2.9	CMBV,SA
Apex	AE3220	E3	R	3.2	CMBV,SA
Asgrow	AG30XF2 §	RXF	R	3.0	ACi,IL
Asgrow	AG31XF2 §	RXF	R	3.1	ACi
Channel	2922RXF GC	RXF	R	2.9	ACi,IL
Cornelius	CB29XF09	RXF	R	2.9	PG+
Cornelius	CB31XF42	RXF	R	3.1	PG+
Credenz	CZ 3099GTLL	LLGT27	R	3.1	PV,IL,OB
FS HiSOY	28E10	E3	R	2.8	ACi,B-200
FS HiSOY	29F10	RXF	R	2.9	ACi,B-200
FS HiSOY	31F10	RXF	R	3.1	ACi,B-200
FS HiSOY	32F10	RXF	R	3.2	ACi,B-200
Genesis	G2960E	E3	R	2.9	CMBV,SA
Genesis	G3260E	E3	R	3.2	CMBV,SA
Golden Harvest	GH2922E3	E3	R	2.9	CMBV,SA
Golden Harvest	GH3132E3	E3	R	3.1	CMBV,SA
Golden Harvest	GH3192XF	RXF	MR	3.1	CMBV,SA
Hefty	H28XF2	RXF	NA	2.8	DST4,SA
Hefty	H30XF2	RXF	NA	3.0	DST4,SA
Hefty	H31XF2	RXF	NA	3.1	DST4,SA
Hoegemeyer	2831 E	E3	R	2.8	Lum,Lu,IL
Hoegemeyer	3141 E	E3	R	3.1	Lum,Lu,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
Kruger	K3103XF	RXF	R	3.1	ACi,IL
Latham	E 2959 E3	E3	R	2.9	SS+,SA
Latham	L 2839 LLGT27	LLGT27	R	2.8	SS+,SA
Latham	L 2894 E3	E3	R	2.8	SS+,SA
Latham	L 3086 XF	RXF	R	3.0	SS+,SA
NK Brand	NK28-T3XF	RXF	R	2.8	CMBV,SA
NK Brand	NK29-A5E3 §	E3	MR	2.9	CMBV,SA
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
NuTech	31N06E	E3	R	3.1	Lum,Lu,IL
P3 Genetics	2229E	E3	R	2.9	PG+
P3 Genetics	2231E	E3	R	3.1	PG+
Pioneer	P29T37E CK	E3	NA	2.9	NA
Renk	RS282NXF	RXF	R	2.8	EcTC,SA
Stine	28EC32 §	E3	R	2.8	SFI
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB
Xitavo	XO 3131E	E3	R	3.1	PV,IL,OB
Zinesto	Z2902E	E3	NA	2.9	DST4,SA
Zinesto	Z3001E	E3	R	3.0	DST4,SA
Zinesto	Z3101E	E3	R	3.1	DST4,SA
Zinesto	Z3202E	E3	NA	3.2	DST4,SA

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
ASfi,SA	AgriShield Max with Saltro®
CMBV,SA	Cruisermass® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PG+	Profit Guard +
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SF1	Stine XP F&I
SS+,SA	SoyShield Plus, Saltro®
Treated	Treated, unspecified

* Seed treatments may include unspecified plant health promoting components.