

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

2021 Soybeans Top 30 Harvest Report

Iowa South Central [IASC] CENTRAL CITY, IA

Jim Greif, Linn County, IA 52310

Early-Season Test	Maturity Group 2.3 - 2.7 S2021IASC41a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Verdict, Armezon,Headline
SOIL DESCRIPTION:	Kenyon loam, well drained, non- irrigated
SOIL CONDITION:	very high P, very high K, 5.7 pH, 2.7% OM, 10.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Sharpon, Buccaneer Plus, Raptor, Priaxor
Applied N-P-K (units):	0-52-90
SEEDED - RATE - ROW:	May 12 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 18 155.9 /A

TEST COMMENTS:

Planting went very well, then some varieties struggled with emergence. Plants stood 32 to 48 inches tall and pod sets varied throughout the plot. The plants were well matured with very little green stems and shelling was easy. The taller plants caused lodging in the plot, and seed size was small.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Cornelius	CB27XF34 ↗	RXF	2.7	R	87.8	12.1	59	157.0	1064	1
Kruger	K2391XF ↗	RXF	2.3	R	84.4	11.2	7	157.0	1023	2
Champion	2612XL GC ↗	RXF	2.6	NA	83.3	11.5	22	155.3	1010	3
Kruger	K2604XF ↗	RXF	2.6	R	82.6	12.2	16	157.0	1001	4
Latham	L 2494 XF ↗	RXF	2.4	R	82.3	11.2	15	157.0	997	5
Hefty	H24XF2 ↗	RXF	2.4	NA	82.2	13.0	39	155.3	996	6
Hefty	H23XF1 ↗	RXF	2.3	NA	82.1	11.5	2	155.3	995	7
Latham	L 2786 XF ↗	RXF	2.7	R	82.0	12.1	30	157.0	994	8
NK Brand	NK25-C9XF ↗	RXF	2.5	MR	81.7	10.9	27	151.0	990	9
Stine	24EE32 § ↗	E3	2.4	R	81.6	11.6	65	157.0	989	10
Golden Harvest	GH2562XF ↗	RXF	2.5	R	80.8	12.0	70	152.7	979	11
Cornelius	CB26XF76 ↗	RXF	2.6	R	80.6	11.8	41	157.0	977	12
Channel	2420RFX GC ↗	RXF	2.4	R	80.0	11.7	54	157.0	970	13
Kruger	K2594XF ↗	RXF	2.5	R	79.9	12.3	4	157.0	968	14
Xitavo	XO 2501E ↗	E3	2.5	R	79.8	11.9	51	157.0	967	15
Hefty	H25XF1 ↗	RXF	2.5	NA	79.6	11.8	55	157.0	965	16
Zinesto	Z2302SE ↗	E3,ST	2.3	NA	79.5	11.2	49	157.0	964	17
Renk	RS242NFX ↗	RXF	2.4	R	79.2	11.8	4	157.0	960	18
Credenz	CZ 2760GTLL ↗	LLGT27	2.7	R	78.8	11.8	31	157.0	955	19
Golden Harvest	GH2722XF § ↗	RXF	2.7	MR	78.1	11.9	45	157.0	947	20
Latham	L 2458 E3 ↗	E3	2.4	R	77.9	12.8	41	155.3	944	21
Kruger	K2793XF ↗	RXF	2.7	R	77.2	11.4	19	157.0	936	22
Hefty	H26XF2 ↗	RXF	2.6	NA	76.6	12.0	39	157.0	928	23
Xitavo	XO 2472E ↗	E3	2.4	R	75.8	11.5	27	157.0	919	24
LG Seeds	LGS2491XF § ↗	RXF	2.4	NA	75.5	11.0	11	157.0	915	25
FS HiSOY	27F10 ↗	RXF	2.7	R	75.5	11.8	70	157.0	915	26
LG Seeds	LGS2561XF GC ↗	RXF	2.6	R	75.3	12.2	54	152.7	913	27
Genesis	G2460ES ↗	E3,ST	2.4	R	75.1	11.3	35	157.0	910	28
Apex	AE2420S ↗	E3,ST	2.4	R	75.0	11.1	43	157.0	909	29
FS HiSOY	23F10 ↗	RXF	2.3	R	74.5	11.4	34	152.7	903	30
Pioneer	P29T37E CK	E3	2.9	NA	72.9	11.7	54	157.0	884	35
					Averages =	75.9	11.6	36	155.9	920
					LSD (0.10) =	5.5	ns	19		
					LSD (0.25) =	2.9	ns	10		
					C.V. =	6.9				
					Historic yield: 55.84 bu/a, 6 yr(s)					



Randy Meinsma

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

Report Date: 10/26/2021

† 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 S2021IASC41b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
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PEST MANAGEMENT:	Sharpon, Buccaneer Plus, Raptor, Priaxor
Applied N-P-K (units):	0-52-90
SEEDED - RATE - ROW:	May 12 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 18 156.6 /A

TEST COMMENTS:

Planting went very well, then some varieties struggled with emergence. Plants stood 32 to 48 inches tall and pod sets varied throughout the plot. The plants were well matured with very little green stems and shelling was easy. The taller plants caused lodging in the plot, and seed size was small.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	E 2959 E3 ↗	E3	2.9	R	85.7	10.2	21	157.0	1039	1
NK Brand	NK28-T3XF ↗	RXF	2.8	R	85.7	10.0	21	157.0	1039	2
Xitavo	XO 2832E ↗	E3	2.8	R	85.3	10.0	10	157.0	1034	3
Zinesto	Z2902E ↗	E3	2.9	NA	85.0	10.0	30	157.0	1030	4
FS HiSOY	28E10 ↗	E3	2.8	R	83.4	11.2	22	157.0	1011	5
FS HiSOY	31F10 ↗	RXF	3.1	R	83.3	10.0	16	157.0	1008	6
Zinesto	Z3001E ↗	E3	3.0	R	83.1	10.4	15	157.0	1007	7
Renk	RS282NXF ↗	RXF	2.8	R	82.3	10.3	32	157.0	997	8
Asgrow	AG31XF2 § ↗	RXF	3.1	R	82.2	11.4	26	157.0	996	9
Apex	AE2920 ↗	E3	2.9	R	81.7	10.0	8	157.0	990	10
Xitavo	XO 2921E ↗	E3	2.9	R	80.4	10.9	38	157.0	974	11
Golden Harvest	GH3192XF ↗	RXF	3.1	MR	80.1	10.4	36	157.0	971	12
Credenz	CZ 3099GTLL ↗	LLGT27	3.1	R	80.0	9.8	54	157.0	970	13
P3 Genetics	2229E ↗	E3	2.9	R	79.9	10.8	11	157.0	968	14
Zinesto	Z3202E ↗	E3	3.2	NA	79.1	12.3	47	155.3	959	15
Zinesto	Z3101E ↗	E3	3.1	R	78.1	9.6	30	157.0	947	16
Cornelius	CB29XF09 ↗	RXF	2.9	R	77.9	10.0	30	157.0	944	17
Hoegemeyer	2831 E ↗	E3	2.8	R	77.5	10.4	51	157.0	939	18
Apex	AE3220 ↗	E3	3.2	R	77.4	10.2	32	157.0	938	19
Genesis	G3260E ↗	E3	3.2	R	77.3	10.1	36	157.0	937	20
Hefty	H31XF2 ↗	RXF	3.1	NA	77.2	12.9	26	157.0	936	21
Golden Harvest	GH3132E3 ↗	E3	3.1	R	77.1	9.3	29	157.0	934	22
Latham	L 2839 LLGT27 ↗	LLGT27	2.8	R	77.0	11.0	57	157.0	933	23
NuTech	28N02E ↗	E3	2.8	R	76.9	9.8	44	157.0	932	24
Asgrow	AG30XF2 § ↗	RXF	3.0	R	76.8	11.1	33	157.0	931	25
Stine	28EC32 § ↗	E3	2.8	R	76.6	10.2	30	157.0	928	26
Hefty	H28XF2 ↗	RXF	2.8	NA	76.2	10.5	36	157.0	924	27
Kruger	K2885XF ↗	RXF	2.8	R	75.8	10.6	46	157.0	919	28
Channel	2922RFX GC ↗	RXF	2.9	R	74.2	10.0	30	157.0	899	30
FS HiSOY	32F10 ↗	RXF	3.2	R	73.8	10.4	17	155.3	894	31
Pioneer	P29T37E CK	E3	2.9	NA	74.5	10.8	45	157.0	903	29



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Averages = **75.9** **10.5** **31** **156.6** **921**
 LSD (0.10) = 5.7 1.1 17
 LSD (0.25) = 3.0 0.6 9

Historic yield: 55.84 bu/a, 6 yr(s)

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

Report Date: 10/26/2021

† 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

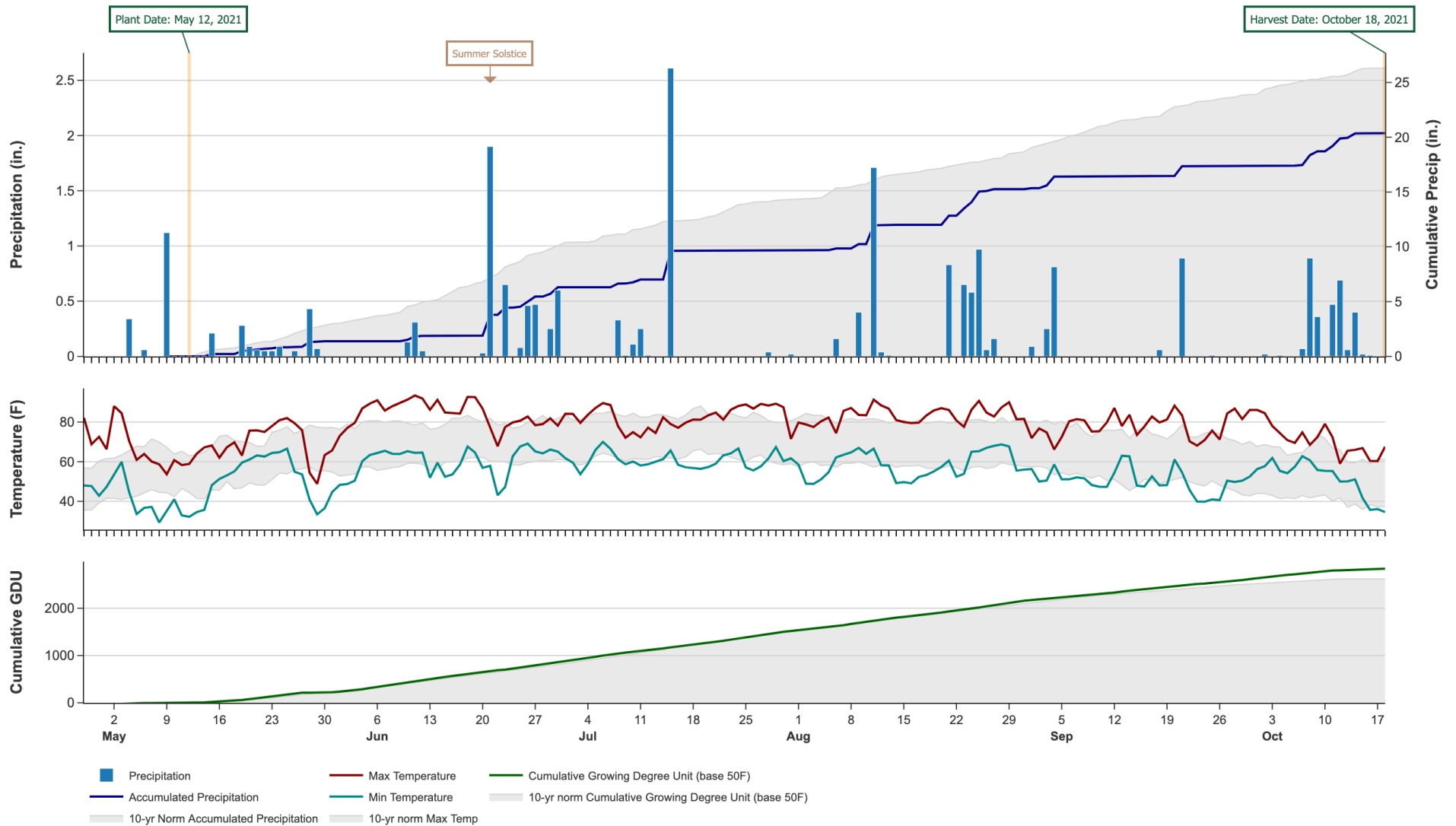
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2021 Soybeans - Iowa South Central [IASC]

Weather Conditions Summary at CENTRAL CITY, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.0 0.4 (-0.4)	2.9 4.3 (-1.4)	4.9 7.2 (-2.2)	3.4 4.2 (-0.8)	5.6 4.3 (+1.2)	2.1 5.2 (-3.1)	3.0 2.4 (+0.6)	21.9 28.1 (-6.2)
GDU Normal (Diff)	37 0 (+37)	296 330 (-34)	640 575 (+64)	654 695 (-41)	641 602 (+38)	457 403 (+53)	220 105 (+114)	2945 2711 (+233)



* 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.