

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2021 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] MOORLAND, IA
Jeff Loehr, Webster County, IA 50566

Early-Season Test	2.1 - 2.5 Day CRM S2021IANC02a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Balance Flex, Laudis, Atrazine
SOIL DESCRIPTION:	Nicollet clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.4 pH, 5.2% OM, 32.3 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Fierce Mtz, Roundup, Select, Warrant, Delaro Complete, Hero
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 6 129.2 /A

TEST COMMENTS:

Soybean yields on Jeff's plot this year were about 30 bu/a higher than 2020. Even with a D1 (moderate) drought to deal with for the duration of the season, rainfall was fairly consistent from planting through mid-July. Showers for the remainder of the season were farther between but provided just enough to keep beans going from flowering through seed fill. Some brown stem rot was noted during R6, however, the incidence was not high and severity was generally low with minimal impact on final yields.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	79.3	12.7	0	128.7	991	1
Credenz	CZ 2121GTLL ↗	LLGT27	2.1	MR	78.7	13.1	0	126.0	984	2
NK Brand	NK22-C4E3 § ↗	E3	2.2	R	78.6	12.9	0	124.3	982	3
Hoegemeyer	2421 E ↗	E3	2.4	R	78.4	13.0	0	129.0	980	4
Latham	L 2549 R2X ↗	RRX	2.5	R	78.2	12.9	0	131.0	978	5
Hoegemeyer	2240 E ↗	E3	2.2	R	77.6	13.1	0	141.3	970	6
Zinesto	Z2101E ↗	E3	2.1	R	77.5	13.0	0	136.7	969	7
Renk	RS248NX ↗	RRX	2.4	R	77.4	13.2	0	126.0	967	8
Loyal	L2530E ↗	E3	2.5	R	77.2	13.0	5	132.0	965	10
Golden Harvest	GH2102XF § ↗	RXF	2.1	MR	77.2	13.2	8	137.7	965	11
Cornelius	CB23XF63 ↗	RXF	2.3	R	77.0	13.2	0	127.0	962	12
FS HiSOY	25E00 ↗	E3	2.5	R	77.0	13.0	0	129.7	962	13
Hefty	H21XF2 ↗	RXF	2.1	NA	76.5	13.0	5	132.3	956	14
Credenz	CZ 2550GTLL ↗	LLGT27	2.5	MR	76.3	13.1	0	134.0	954	15
Genesis	G2460ES ↗	E3,ST	2.4	R	76.0	13.3	0	129.7	950	16
Apex	AE2420S ↗	E3,ST	2.4	R	75.6	13.2	0	118.0	945	17
Xitavo	XO 2501E ↗	E3	2.5	R	74.6	13.0	0	125.3	932	18
Loyal	L2130E ↗	E3	2.1	R	74.5	13.0	0	137.0	931	19
Pioneer	P21A28X § ↗	RRX	2.1	R	74.3	13.0	0	125.0	929	20
Cornelius	CB24XF18 ↗	RXF	2.4	R	74.2	12.8	0	137.0	928	21
Stine	21EE62 § ↗	E3	2.1	R	74.2	13.5	0	125.7	927	22
Latham	L 2193 E3 ↗	E3	2.1	R	74.0	13.1	0	130.0	925	23
Zinesto	Z2302SE ↗	E3,ST	2.3	NA	74.0	13.3	0	120.3	925	24
Apex	AE2220 ↗	E3	2.2	R	73.9	13.0	0	121.7	924	25
NK Brand	NK21-H4XF ↗	RXF	2.1	MR	73.5	13.0	8	128.0	919	26
FS HiSOY	23F10 ↗	RXF	2.3	R	73.5	13.4	0	124.0	918	27
FS HiSOY	21F00 ↗	RXF	2.1	R	73.4	13.1	5	130.7	917	28
Genesis	G2260E ↗	E3	2.2	R	73.3	13.1	0	127.7	916	29
Xitavo	XO 2181E ↗	E3	2.1	R	72.8	12.9	0	132.3	910	30
Hefty	H23XF1 ↗	RXF	2.3	NA	72.8	13.2	0	132.3	910	31
Croplan	CP2400X CK	RRX	2.4	R	77.3	13.2	0	127.7	966	9
					Averages =	73.7	13.1	1	129.2	921
					LSD (0.10) =	2.9	0.2	4		
					LSD (0.25) =	1.5	0.1	2		
					C.V. =	3.7	Historic yield: 50.85 bu/a, 9 yr(s)			

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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.50

Report Date: 10/07/2021

† 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 Top 30 Harvest Report

Iowa North Central [IANC] MOORLAND, IA
Jeff Loehr, Webster County, IA 50566

Full-Season Test	2.6 - 2.9 Day CRM S2021IANC02b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Balance Flex, Laudis, Atrazine
SOIL DESCRIPTION:	Nicollet clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.4 pH, 5.2% OM, 32.3 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Fierce Mtz, Roundup, Select, Warrant, Delaro Complete, Hero
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 6 132.4 /A

TEST COMMENTS:

Soybean yields on Jeff's plot this year were about 30 bu/a higher than 2020. Even with a D1 (moderate) drought to deal with for the duration of the season, rainfall was fairly consistent from planting through mid-July. Showers for the remainder of the season were farther between but provided just enough to keep beans going from flowering through seed fill. Some brown stem rot was noted during R6, however, the incidence was not high and severity was generally low with minimal impact on final yields.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hoegemeyer	2660 E ↗	E3	2.6	R	81.6	13.1	0	135.7	1020	1
P3 Genetics	1928E ↗	E3	2.8	R	81.4	12.8	0	135.3	1018	2
NK Brand	S28-E3 ↗	E3	2.8	MR	81.4	13.2	0	130.7	1017	3
Latham	L 2894 E3 ↗	E3	2.8	R	81.0	13.0	0	125.0	1012	4
Asgrow	AG29XF2 § ↗	RXF	2.9	R	80.8	13.2	3	116.7	1010	5
Hoegemeyer	2831 E ↗	E3	2.8	R	80.6	13.1	0	138.7	1007	6
NuTech	26N06E ↗	E3	2.6	R	80.0	13.1	0	137.0	1000	7
Pioneer	P26T23E § ↗	E3	2.6	R	80.0	12.9	0	125.7	1000	8
Golden Harvest	GH2872XF GC ↗	RXF	2.8	R	79.8	13.2	0	130.3	997	9
Pioneer	P27A17X § ↗	RRX	2.7	R	78.7	13.0	0	134.7	984	10
FS HiSOY	28E10 ↗	E3	2.8	R	78.5	13.3	0	133.3	981	11
Zinesto	Z2700E ↗	E3	2.7	R	77.7	12.9	0	137.7	971	12
Asgrow	AG26XF1 § ↗	RXF	2.6	R	77.2	13.4	0	135.0	964	13
Xitavo	XO 2832E ↗	E3	2.8	R	76.8	13.2	0	131.0	960	14
Genesis	G2960E ↗	E3	2.9	R	76.5	13.4	0	138.3	956	15
Zinesto	Z2902E ↗	E3	2.9	NA	76.3	13.0	0	124.3	954	16
Latham	L 2638 E3 ↗	E3	2.6	R	76.3	13.1	0	135.3	954	17
Apex	AE2920 ↗	E3	2.9	R	75.4	13.0	0	129.3	943	19
Hefty	H28XF1 ↗	RXF	2.8	R	75.2	13.3	0	129.7	940	20
Apex	AE2800 ↗	E3	2.8	R	74.9	12.9	0	137.0	936	21
FS HiSOY	26F00 ↗	RXF	2.6	R	74.8	13.5	0	143.0	934	22
Hefty	H29XF1 ↗	RXF	2.9	NA	74.7	13.1	5	135.0	934	23
NK Brand	NK27-A7XF ↗	RXF	2.7	MR	74.6	13.1	0	119.3	932	24
Hefty	H29X1 ↗	RRX	2.9	R	74.5	13.2	0	133.7	931	25
Hefty	H26XF2 ↗	RXF	2.6	NA	73.8	13.1	0	125.7	922	26
Pioneer	P26T57E § ↗	E3	2.6	R	73.5	12.8	0	132.7	919	27
Cornelius	CB26XF76 ↗	RXF	2.6	R	73.1	13.1	0	130.0	914	28
Latham	L 2887 R2X ↗	RRX	2.8	R	72.9	12.9	0	125.0	911	29
Stine	28EC32 § ↗	E3	2.8	R	72.8	13.1	0	138.0	910	30
Cornelius	CB27XF34 ↗	RXF	2.7	R	72.7	13.5	0	135.0	908	31
Croplan	CP2400X CK	RRX	2.4	R	76.2	13.2	0	142.0	952	18
					Averages =	74.4	13.1	0	132.4	930
					LSD (0.10) =	3.9	0.3	ns		
					LSD (0.25) =	2.1	0.1	ns		
					C.V. =	5.0				
					Historic yield: 50.85 bu/a, 9 yr(s)					

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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.50

Report Date: 10/07/2021

† 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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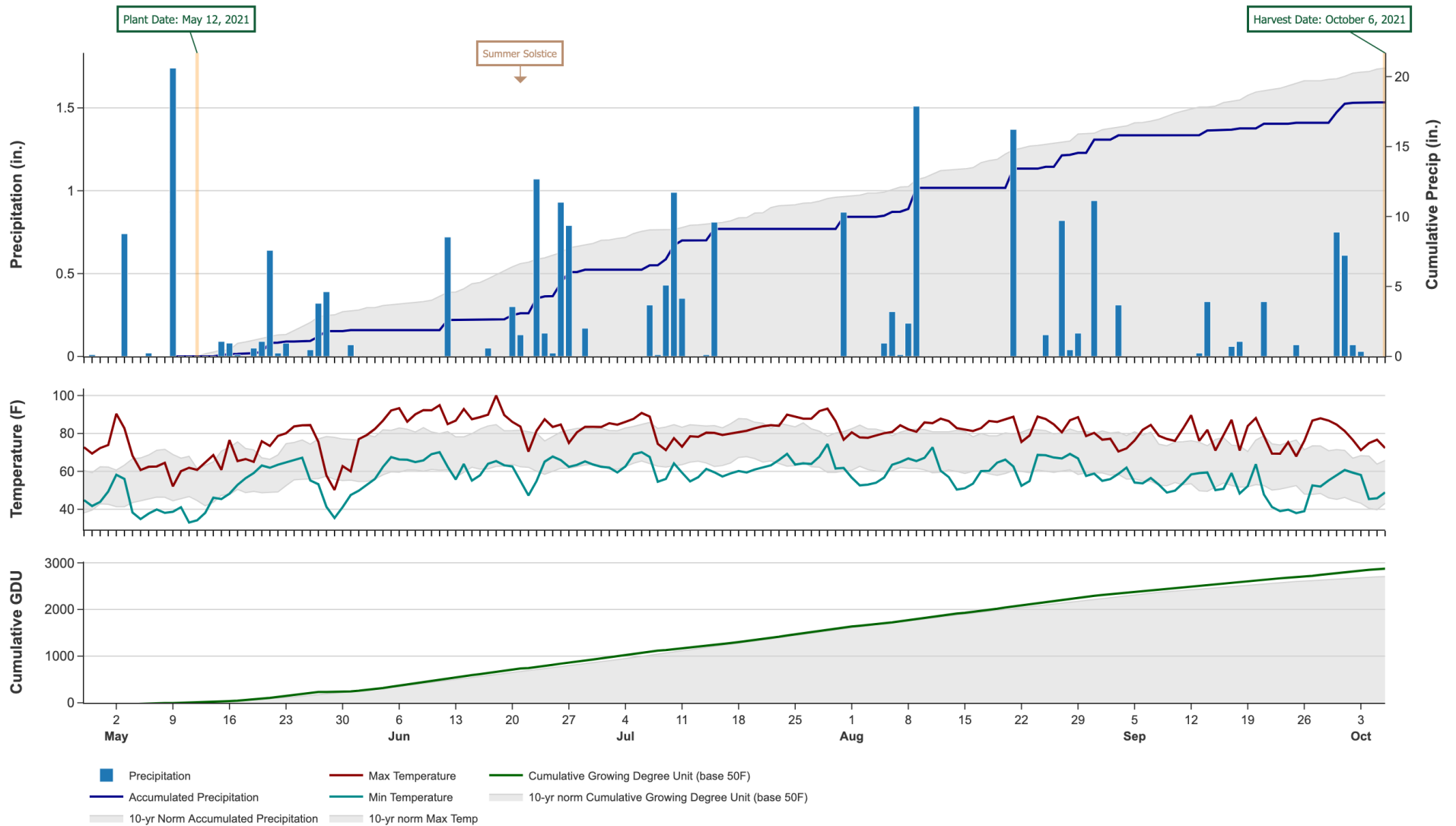
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2021 Soybeans - Iowa North Central [IANC]

Weather Conditions Summary at MOORLAND, IA

Weather Data Retrieved: 10/07/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.0 0.4 (-0.4)	4.4 5.2 (-0.8)	4.3 4.8 (-0.5)	3.8 3.4 (+0.4)	5.5 4.5 (+1.0)	2.0 3.9 (-1.9)	0.7 0.8 (-0.1)	20.7 22.9 (-2.2)
GDU Normal (Diff)	32 6 (+25)	332 338 (-6)	683 619 (+63)	690 729 (-39)	676 636 (+39)	489 429 (+59)	91 51 (+39)	2993 2811 (+181)



* 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 North Central [IANC]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2220	E3	R	2.2	CMBV,SA
Apex	AE2420S	E3,ST	R	2.4	CMBV,SA
Cornelius	CB23XF63	RXF	R	2.3	PG+
Cornelius	CB24XF18	RXF	R	2.4	PG+
Credenz	CZ 2121GTLL	LLGT27	MR	2.1	PV,IL,OB
Credenz	CZ 2550GTLL	LLGT27	MR	2.5	PV,IL,OB
Croplan	CP2400X CK	RRX	R	2.4	Untreated
FS HiSOY	21F00	RXF	R	2.1	ACi,B-200
FS HiSOY	23F10	RXF	R	2.3	ACi,B-200
FS HiSOY	25E00	E3	R	2.5	ACi,B-200
Genesis	G2260E	E3	R	2.2	CMBV,SA
Genesis	G2460ES	E3,ST	R	2.4	CMBV,SA
Genesis	G2550E	E3	R	2.5	CMBV,SA
Golden Harvest	GH2102XF §	RXF	MR	2.1	CMBV,SA
Golden Harvest	GH2292E3	E3	MR	2.2	CMBV,SA
Hefty	H21XF2	RXF	NA	2.1	DST4,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
Hoegemeyer	2141 E	E3	R	2.1	Lum,Lu,IL
Hoegemeyer	2240 E	E3	R	2.2	Lum,Lu,IL
Hoegemeyer	2421 E	E3	R	2.4	Lum,Lu,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Kruger	K2391XF	RXF	R	2.3	ACi,IL
Kruger	K2594XF	RXF	R	2.5	ACi,IL
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2379 E3	E3	R	2.3	SS+,SA
Latham	L 2458 E3	E3	R	2.4	SS+,SA
Latham	L 2549 R2X	RRX	R	2.5	SS+,SA
Loyal	L2130E	E3	R	2.1	CMBV,SA
Loyal	L2530E	E3	R	2.5	CMBV,SA
NK Brand	NK21-H4XF	RXF	MR	2.1	CMBV,SA
NK Brand	NK22-C4E3 §	E3	R	2.2	CMBV,SA
NuTech	21N06E	E3	R	2.1	Lum,Lu,IL
NuTech	22N02E	E3	R	2.2	Lum,Lu,IL
NuTech	24N04E	E3	R	2.4	Lum,Lu,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Pioneer	P21A28X §	RRX	R	2.1	Lum,Lu,IL
Pioneer	P25A54X GC	RRX	R	2.5	Untreated
Renk	RS242NXF	RXF	R	2.4	EcTC,SA
Renk	RS248NX	RRX	R	2.4	EcTC,SA
Stine	21EE62 §	E3	R	2.1	SFI
Stine	25EB32 §	E3	R	2.5	SFI
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB
Zinesto	Z2101E	E3	R	2.1	DST4,SA
Zinesto	Z2202E	E3	NA	2.2	DST4,SA
Zinesto	Z2302SE	E3,ST	NA	2.3	DST5
Zinesto	Z2401E	E3	R	2.4	DST4,SA

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

2021 Soybeans - Iowa North Central [IANC]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2800	E3	R	2.8	CMBV,SA
Apex	AE2920	E3	R	2.9	CMBV,SA
Asgrow	AG26XF1 §	RXF	R	2.6	ACi,IL
Asgrow	AG27XF1 §	RXF	R	2.7	ACi,IL
Asgrow	AG29XF2 §	RXF	R	2.9	ACi,IL
Cornelius	CB26XF76	RXF	R	2.6	PG+
Cornelius	CB27X81 GC	RRX	R	2.7	PG+
Cornelius	CB27XF34	RXF	R	2.7	PG+
Cornelius	CB29XF09	RXF	R	2.9	PG+
Credenz	CZ 2760GTLL	LLGT27	R	2.7	PV,IL,OB
Croplan	CP2400X CK	RRX	R	2.4	Untreated
FS HiSOY	26F00	RXF	R	2.6	ACi,B-200
FS HiSOY	27F10	RXF	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
Genesis	G2960E	E3	R	2.9	CMBV,SA
Golden Harvest	GH2722XF §	RXF	MR	2.7	CMBV,SA
Golden Harvest	GH2872XF GC	RXF	R	2.8	CMBV,SA
Golden Harvest	GH2922E3	E3	R	2.9	CMBV,SA
Hefty	H26XF2	RXF	NA	2.6	DST4,SA
Hefty	H28XF1	RXF	R	2.8	DST5
Hefty	H29X1	RRX	R	2.9	DST4,SA
Hefty	H29XF1	RXF	NA	2.9	DST4,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
Latham	L 2638 E3	E3	R	2.6	SS+,SA
Latham	L 2786 XF	RXF	R	2.7	SS+,SA
Latham	L 2887 R2X	RRX	R	2.8	SS+,SA
Latham	L 2894 E3	E3	R	2.8	SS+,SA
NK Brand	NK27-A7XF	RXF	MR	2.7	CMBV,SA
NK Brand	S28-E3	E3	MR	2.8	CMBV,SA
NuTech	26N06E	E3	R	2.6	Lum,Lu,IL
NuTech	28N02E	E3	R	2.8	Lum,Lu,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
P3 Genetics	1928E	E3	R	2.8	PG+
Pioneer	P26T23E §	E3	R	2.6	Lum,Lu,IL
Pioneer	P26T57E §	E3	R	2.6	Lum,Lu,IL
Pioneer	P27A17X §	RRX	R	2.7	Lum,Lu,IL
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
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB
Zinesto	Z2700E	E3	R	2.7	DST4,SA
Zinesto	Z2900E	E3	R	2.9	DST4,SA
Zinesto	Z2902E	E3	NA	2.9	DST4,SA

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi,B-200	Acceleron® Standard Insecticide-Fungicide, B-200 SAT
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
DST5	Dominance 5 ST
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®
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.