

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

2021 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] IOWA FALLS, IA
Landon Aldinger, Hardin County, IA

Early-Season Test	2.1 - 2.5 Day CRM S2021IANC03a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surestart, Callisto Xtra
SOIL DESCRIPTION:	Nicollet-Clarion loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.5 pH, 2.8% OM, 14.2 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Sonic, Flexstar, Abundit Edge, Outlook
Applied N-P-K (units):	0-82-100
SEEDED - RATE - ROW:	May 12 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 130.8 /A

TEST COMMENTS:

This site was planted mid-May in good conditions. There was a fair amount of precipitation for a couple weeks following planting and early plant vigor was good. But like much of north-central Iowa, it has been a dry year in this area and crops struggled through some periods of the drought when soil moisture was depleted. Since July, Hardin county has been in the middle of a D2 (severe) drought which has persisted through harvest. The showers that arrived Aug 21 - Sept 3 were very welcome and helped fill top pods.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	24N04E ↗	E3	2.4	R	65.5	13.5	0	116.7	818	1
Latham	L 2458 E3 ↗	E3	2.4	R	64.4	13.6	0	125.7	804	2
Hefty	H25XF1 ↗	RXF	2.5	NA	63.3	13.7	0	119.7	790	3
Pioneer	P21A28X § ↗	RRX	2.1	R	63.2	13.3	0	126.0	790	4
Hoegemeyer	2421 E ↗	E3	2.4	R	63.2	13.6	0	138.3	789	5
Zinesto	Z2302SE ↗	E3,ST	2.3	NA	62.5	13.6	0	125.0	780	6
Renk	RS242NXF ↗	RXF	2.4	R	61.9	13.4	0	122.3	773	7
Genesis	G2550E ↗	E3	2.5	R	61.6	13.5	0	131.3	769	8
Golden Harvest	GH2102XF § ↗	RXF	2.1	MR	61.2	13.4	0	132.7	764	9
Genesis	G2460ES ↗	E3,ST	2.4	R	61.1	13.4	0	134.7	763	10
Hefty	H21XF2 ↗	RXF	2.1	NA	60.8	13.4	0	130.0	760	11
Latham	L 2549 R2X ↗	RRX	2.5	R	60.8	13.1	0	132.3	760	12
NK Brand	NK21-H4XF ↗	RXF	2.1	MR	60.7	13.5	0	132.3	758	13
NK Brand	NK22-C4E3 § ↗	E3	2.2	R	60.6	13.5	0	136.0	757	14
Loyal	L2530E ↗	E3	2.5	R	60.5	13.4	0	126.3	756	15
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	60.1	13.4	0	131.0	751	16
Kruger	K2594XF ↗	RXF	2.5	R	59.3	13.7	0	129.0	740	17
Xitavo	XO 2501E ↗	E3	2.5	R	59.0	13.4	0	130.7	737	18
Apex	AE2220 ↗	E3	2.2	R	59.0	13.5	0	116.3	737	19
Apex	AE2420S ↗	E3,ST	2.4	R	58.5	13.6	0	139.0	731	20
Pioneer	P25A54X GC ↗	RRX	2.5	R	58.0	13.2	0	125.0	725	21
Stine	21EE62 § ↗	E3	2.1	R	58.0	13.5	0	139.7	724	22
FS HISOY	25E00 ↗	E3	2.5	R	57.8	13.4	0	137.0	722	23
Credenz	CZ 2121GTLL ↗	LLGT27	2.1	MR	57.4	13.4	0	128.7	717	24
NuTech	21N06E ↗	E3	2.1	R	57.2	13.2	0	132.7	715	25
Credenz	CZ 2550GTLL ↗	LLGT27	2.5	MR	57.1	13.4	0	136.3	713	26
Hefty	H23XF1 ↗	RXF	2.3	NA	56.8	13.4	0	137.0	710	28
Zinesto	Z2101E ↗	E3	2.1	R	56.8	13.2	0	135.3	710	29
Stine	25EB32 § ↗	E3	2.5	R	56.5	13.6	0	128.3	706	30
Renk	RS248NX ↗	RRX	2.4	R	56.4	13.3	0	138.7	705	31
Croplan	CP2400X CK	RRX	2.4	R	56.9	13.2	0	126.7	711	27

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **57.2** **13.4** **130.8** **715**

LSD (0.10) = 4.1 0.1 ns

LSD (0.25) = 2.1 0.1 ns

C.V. = 6.8 Historic yield: 57.53 bu/a, 19 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.50

Report Date: 10/16/2021

† 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] IOWA FALLS, IA
Landon Aldinger, Hardin County, IA

Full-Season Test	2.6 - 2.9 Day CRM S2021IANC03b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surestart, Callisto Xtra
SOIL DESCRIPTION:	Nicollet-Clarion loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.5 pH, 2.8% OM, 14.2 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Sonic, Flexstar, Abundit Edge, Outlook
Applied N-P-K (units):	0-82-100
SEEDED - RATE - ROW:	May 12 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 129.6 /A

TEST COMMENTS:

This site was planted mid-May in good conditions. There was a fair amount of precipitation for a couple weeks following planting and early plant vigor was good. But like much of north-central Iowa, it has been a dry year in this area and crops struggled through some periods of the drought when soil moisture was depleted. Since July, Hardin county has been in the middle of a D2 (severe) drought which has persisted through harvest. The showers that arrived Aug 21 - Sept 3 were very welcome and helped fill top pods.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z2700E ↗	E3	2.7	R	68.2	13.3	0	132.0	852	1
Credenz	CZ 2760GTLL ↗	LLGT27	2.7	R	68.1	13.6	0	132.7	850	2
Pioneer	P27A17X § ↗	RRX	2.7	R	67.4	13.1	0	134.0	842	3
Pioneer	P26T57E § ↗	E3	2.6	R	64.0	13.4	0	131.7	800	4
Latham	L 2638 E3 ↗	E3	2.6	R	63.8	13.4	0	133.3	797	5
Cornelius	CB29XF09 ↗	RXF	2.9	R	62.3	13.5	0	127.7	778	6
Cornelius	CB26XF76 ↗	RXF	2.6	R	62.0	13.4	0	121.0	774	7
Zinesto	Z2902E ↗	E3	2.9	NA	62.0	13.5	0	133.3	774	8
NuTech	29N02E ↗	E3	2.9	R	61.9	13.3	0	126.3	773	9
Hefty	H29XF1 ↗	RXF	2.9	NA	61.2	13.3	0	133.7	765	10
FS HiSOY	28E10 ↗	E3	2.8	R	61.2	13.5	0	138.3	764	11
Xitavo	XO 2921E ↗	E3	2.9	R	61.0	13.5	0	126.0	762	12
Asgrow	AG27XF1 § ↗	RXF	2.7	R	61.0	13.8	0	110.3	762	13
Apex	AE2920 ↗	E3	2.9	R	60.6	13.5	0	139.7	757	14
Cornelius	CB27XF34 ↗	RXF	2.7	R	60.2	13.6	0	137.3	752	15
Apex	AE2800 ↗	E3	2.8	R	60.2	13.3	0	140.3	752	16
Hoegemeyer	2660 E ↗	E3	2.6	R	59.3	13.4	0	127.3	741	17
Hefty	H26XF2 ↗	RXF	2.6	NA	59.2	13.4	0	122.0	740	18
Zinesto	Z2900E ↗	E3	2.9	R	58.9	13.4	0	128.3	736	19
Hefty	H29X1 ↗	RRX	2.9	R	58.7	13.5	0	125.3	733	20
Asgrow	AG26XF1 § ↗	RXF	2.6	R	58.6	13.7	0	121.7	732	21
Golden Harvest	GH2872XF GC ↗	RXF	2.8	R	58.6	13.4	0	132.3	732	22
Pioneer	P26T23E § ↗	E3	2.6	R	57.5	13.4	0	130.0	718	23
Golden Harvest	GH2922E3 ↗	E3	2.9	R	57.5	13.4	0	136.7	718	24
P3 Genetics	1928E ↗	E3	2.8	R	56.4	13.2	0	134.7	705	26
Latham	L 2887 R2X ↗	RRX	2.8	R	55.9	13.3	0	129.7	698	27
Xitavo	XO 2832E ↗	E3	2.8	R	55.6	13.4	0	133.3	695	28
Latham	L 2894 E3 ↗	E3	2.8	R	54.9	13.3	0	133.3	686	29
Golden Harvest	GH2722XF § ↗	RXF	2.7	MR	54.8	13.3	0	121.3	685	30
Kruger	K2902XF ↗	RXF	2.9	R	54.4	13.3	0	108.3	680	31
Croplan	CP2400X CK	RRX	2.4	R	56.5	13.2	0	133.0	706	25

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Averages = **56.9** **13.4** **0** **129.6** **710**

LSD (0.10) = 5.0 0.2 ns

LSD (0.25) = 2.6 0.1 ns

C.V. = 8.4

Historic yield: 57.53 bu/a, 19 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.50

Report Date: 10/16/2021

† 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

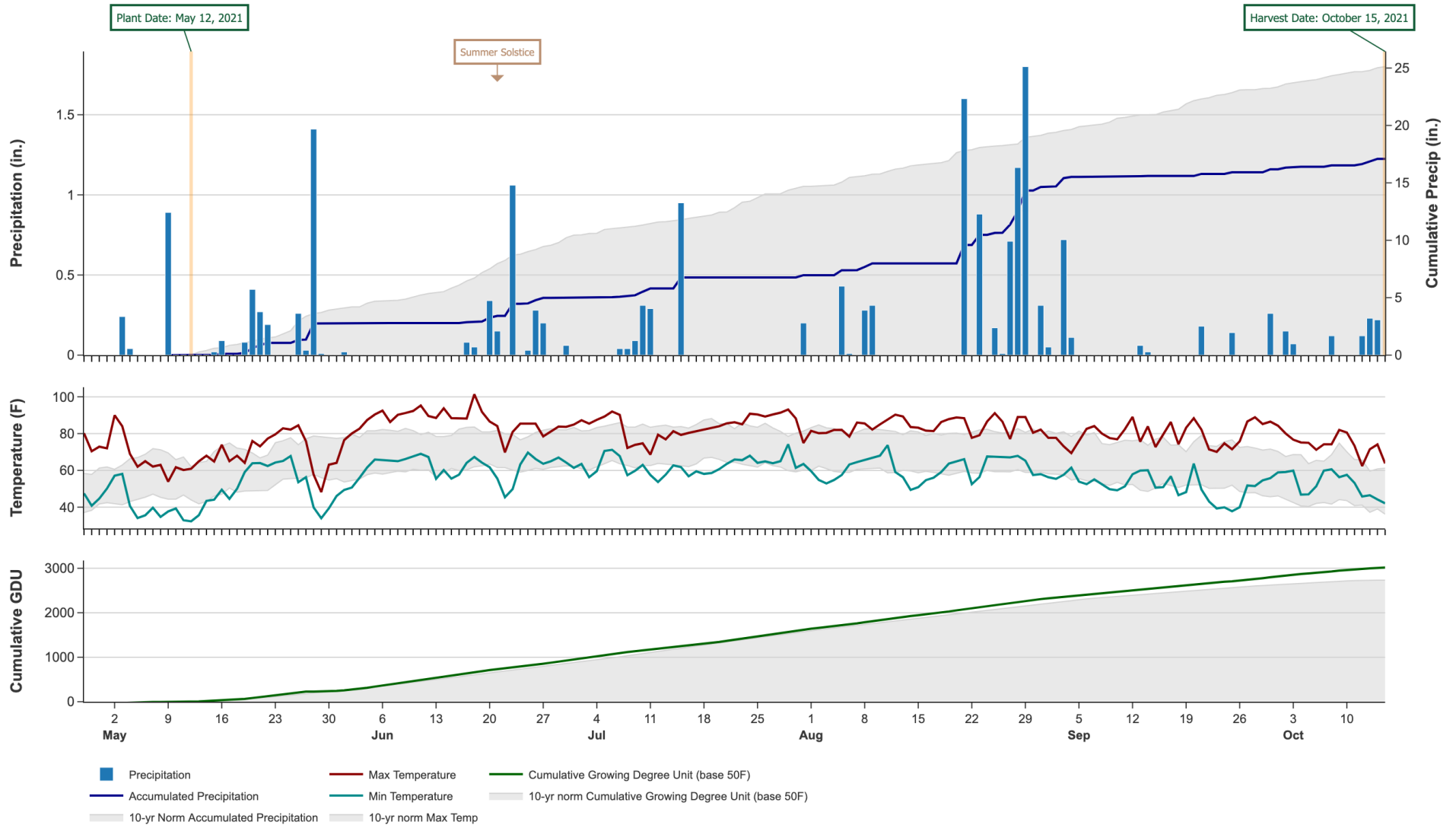
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2021 Soybeans - Iowa North Central [IANC]

Weather Conditions Summary at IOWA FALLS, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.0 0.6 (-0.6)	3.9 5.8 (-1.9)	2.3 6.2 (-3.9)	1.9 4.5 (-2.6)	7.7 4.4 (+3.2)	1.5 4.1 (-2.6)	0.9 1.9 (-1.0)	18.3 27.5 (-9.2)
GDU Normal (Diff)	37 5 (+31)	324 340 (-16)	685 605 (+79)	695 721 (-26)	685 631 (+53)	491 422 (+68)	218 107 (+110)	3135 2834 (+300)



* 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
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

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
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
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

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
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

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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	Cruisemaxx® 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.