

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

## 2021 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] LAURENS, IA  
Dale Roewe, Pocahontas County, IA 50554

<b>Early-Season Test</b>	2.1 - 2.5 Day CRM S2021IANC01a
<b>Top 30 of 48</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Halex Gt, Atrazine
<b>SOIL DESCRIPTION:</b>	Webster clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 5.3 pH, 5.1% OM, 29.4 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Metolachlor, Warrant Ultra, Clethodim, Treaty
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 6 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 8 135.2 /A

### TEST COMMENTS:

Temperatures approached freezing 5 days after planting and again on May 29. The cold weather impacted areas of Dale's farm, but didn't affect the plot area as recorded stands were excellent. May and June were quite dry and together produced only 5.9" of precipitation across those two months. Showers returned from mid-June through mid-July as flowering and pod formation started. The late August rainfall was welcome and pods filled nicely as a result. Very little disease or pest pressure was observed.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z2401E ↗	E3	2.4	R	<b>80.3</b>	11.4	0	135.0	1004	1
Genesis	G2550E ↗	E3	2.5	R	<b>79.6</b>	11.7	0	138.3	995	2
Latham	L 2549 R2X ↗	RRX	2.5	R	<b>79.4</b>	11.5	0	137.7	993	3
Loyal	L2530E ↗	E3	2.5	R	<b>79.2</b>	11.5	0	137.7	990	4
FS HISOY	25E00 ↗	E3	2.5	R	<b>76.8</b>	11.8	0	136.7	960	5
Pioneer	P25A54X GC ↗	RRX	2.5	R	<b>76.2</b>	11.8	0	138.3	952	6
Hefty	H23XF1 ↗	RXF	2.3	NA	75.1	12.5	0	136.0	939	7
Xitavo	XO 2181E ↗	E3	2.1	R	74.6	11.8	0	139.7	932	8
Latham	L 2458 E3 ↗	E3	2.4	R	74.6	12.2	0	140.3	932	9
Genesis	G2460ES ↗	E3,ST	2.4	R	74.2	12.1	5	126.3	928	11
Credenz	CZ 2121GTLL ↗	LLGT27	2.1	MR	74.0	11.8	0	130.3	925	12
Kruger	K2391XF ↗	RXF	2.3	R	73.7	12.4	0	135.0	921	13
Credenz	CZ 2550GTLL ↗	LLGT27	2.5	MR	73.6	11.9	0	139.7	920	14
Hefty	H25XF1 ↗	RXF	2.5	NA	73.1	12.0	0	133.0	914	15
FS HISOY	23F10 ↗	RXF	2.3	R	73.1	12.4	0	134.7	914	16
Kruger	K2594XF ↗	RXF	2.5	R	73.1	12.2	0	135.7	914	17
Renk	RS248NX ↗	RRX	2.4	R	72.8	12.2	0	138.0	910	18
Renk	RS242NXF ↗	RXF	2.4	R	72.8	11.8	0	137.0	910	19
Genesis	G2260E ↗	E3	2.2	R	72.4	11.9	3	127.0	905	20
Kruger	K2294XF ↗	RXF	2.2	R	72.2	12.2	0	137.3	902	21
Loyal	L2130E ↗	E3	2.1	R	71.2	11.6	0	138.0	890	22
NuTech	24N04E ↗	E3	2.4	R	70.1	12.0	0	136.7	876	23
Zinesto	Z2101E ↗	E3	2.1	R	70.0	11.7	0	126.7	875	24
Stine	25EB32 § ↗	E3	2.5	R	69.9	12.1	0	135.7	874	25
Zinesto	Z2302SE ↗	E3,ST	2.3	NA	69.7	12.1	0	134.7	871	26
Apex	AE2420S ↗	E3,ST	2.4	R	69.1	12.1	0	136.3	864	27
Stine	21EE62 § ↗	E3	2.1	R	69.0	12.4	0	136.0	862	28
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	69.0	11.8	0	130.0	862	29
Zinesto	Z2202E ↗	E3	2.2	NA	68.7	11.7	0	137.0	859	30
Latham	L 2379 E3 ↗	E3	2.3	R	68.5	12.0	0	139.0	856	31
Croplan	CP2400X CK	RRX	2.4	R	74.5	11.7	0	137.7	931	10

*Corey Rozenboom*

Corey Rozenboom

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Averages = **70.1** **11.9** **1** **135.2** **876**

LSD (0.10) = 5.2 0.3 ns

LSD (0.25) = 2.7 0.2 ns

C.V. = 7.1 Historic yield: 57.27 bu/a, 9 yr(s)

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

Report Date: 10/09/2021

† 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] LAURENS, IA

Dale Roewe, Pocahontas County, IA 50554

<b>Full-Season Test</b>	2.6 - 2.9 Day CRM S2021IANC01b
<b>Top 30 of 48</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Halex Gt, Atrazine
<b>SOIL DESCRIPTION:</b>	Webster clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 5.3 pH, 5.1% OM, 29.4 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Metolachlor, Warrant Ultra, Clethodim, Treaty
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 6 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 8 135.4 /A

### TEST COMMENTS:

Temperatures approached freezing 5 days after planting and again on May 29. The cold weather impacted areas of Dale's farm, but didn't affect the plot area as recorded stands were excellent. May and June were quite dry and together produced only 5.9" of precipitation across those two months. Showers returned from mid-June through mid-July as flowering and pod formation started. The late August rainfall was welcome and pods filled nicely as a result. Very little disease or pest pressure was observed.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Stine	28EC32 § ↗	E3	2.8	R	<b>79.8</b>	11.8	0	134.0	998	1
Pioneer	P27A17X § ↗	RRX	2.7	R	<b>79.4</b>	11.7	0	136.3	993	2
Hoegemeyer	2831 E ↗	E3	2.8	R	<b>78.2</b>	11.8	0	134.0	978	3
Xitavo	XO 2832E ↗	E3	2.8	R	<b>77.6</b>	11.9	0	138.7	970	4
Latham	L 2638 E3 ↗	E3	2.6	R	<b>77.6</b>	11.8	0	135.7	970	5
NK Brand	S28-E3 ↗	E3	2.8	MR	<b>77.3</b>	11.7	0	136.3	966	6
Asgrow	AG26XF1 § ↗	RXF	2.6	R	<b>76.9</b>	12.4	0	134.7	961	7
Credenz	CZ 2760GTLL ↗	LLGT27	2.7	R	<b>76.5</b>	12.0	0	137.7	956	8
Apex	AE2920 ↗	E3	2.9	R	<b>76.5</b>	12.2	0	139.3	956	9
FS HISOY	28E10 ↗	E3	2.8	R	<b>76.2</b>	11.9	0	136.0	952	10
Latham	L 2786 XF ↗	RXF	2.7	R	76.0	12.3	0	138.3	950	11
Apex	AE2800 ↗	E3	2.8	R	75.6	11.9	0	139.7	945	12
Zinesto	Z2902E ↗	E3	2.9	NA	75.6	12.1	0	140.0	945	13
Cornelius	CB27XF34 ↗	RXF	2.7	R	75.5	12.3	0	137.3	944	14
FS HISOY	26F00 ↗	RXF	2.6	R	75.2	12.5	0	137.7	940	15
Latham	L 2887 R2X ↗	RRX	2.8	R	75.1	12.0	0	136.3	939	16
Zinesto	Z2900E ↗	E3	2.9	R	75.1	12.2	0	140.3	939	17
P3 Genetics	1928E ↗	E3	2.8	R	75.0	11.7	3	134.7	938	18
Cornelius	CB26XF76 ↗	RXF	2.6	R	74.8	11.7	0	133.7	935	19
Hefty	H26XF2 ↗	RXF	2.6	NA	74.5	11.7	0	138.7	931	20
NuTech	29N02E ↗	E3	2.9	R	74.2	11.6	0	138.0	928	21
Latham	L 2894 E3 ↗	E3	2.8	R	73.8	11.6	0	134.7	922	23
NuTech	28N02E ↗	E3	2.8	R	73.8	11.7	0	132.3	922	24
Cornelius	CB27X81 GC ↗	RRX	2.7	R	73.7	11.8	0	137.0	921	25
Hefty	H29X1 ↗	RRX	2.9	R	73.5	12.1	0	131.3	919	26
Renk	RS282NXF ↗	RXF	2.8	R	73.5	12.2	0	139.0	919	27
Kruger	K2793XF ↗	RXF	2.7	R	73.0	12.5	0	136.0	912	28
Pioneer	P26T57E § ↗	E3	2.6	R	72.6	12.0	27	136.3	907	29
Xitavo	XO 2921E ↗	E3	2.9	R	72.6	12.1	0	134.7	907	30
Golden Harvest	GH2922E3 ↗	E3	2.9	R	72.5	11.8	0	132.7	906	31
Croplan	CP2400X CK	RRX	2.4	R	74.1	12.2	0	136.7	926	22

*Corey Rozenboom*

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Averages = **72.8** **11.9** **1** **135.4** **910**

LSD (0.10) = 3.3 0.3 ns

LSD (0.25) = 1.7 0.1 ns

C.V. = 4.3

Historic yield: 57.27 bu/a, 9 yr(s)

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

Report Date: 10/09/2021

† 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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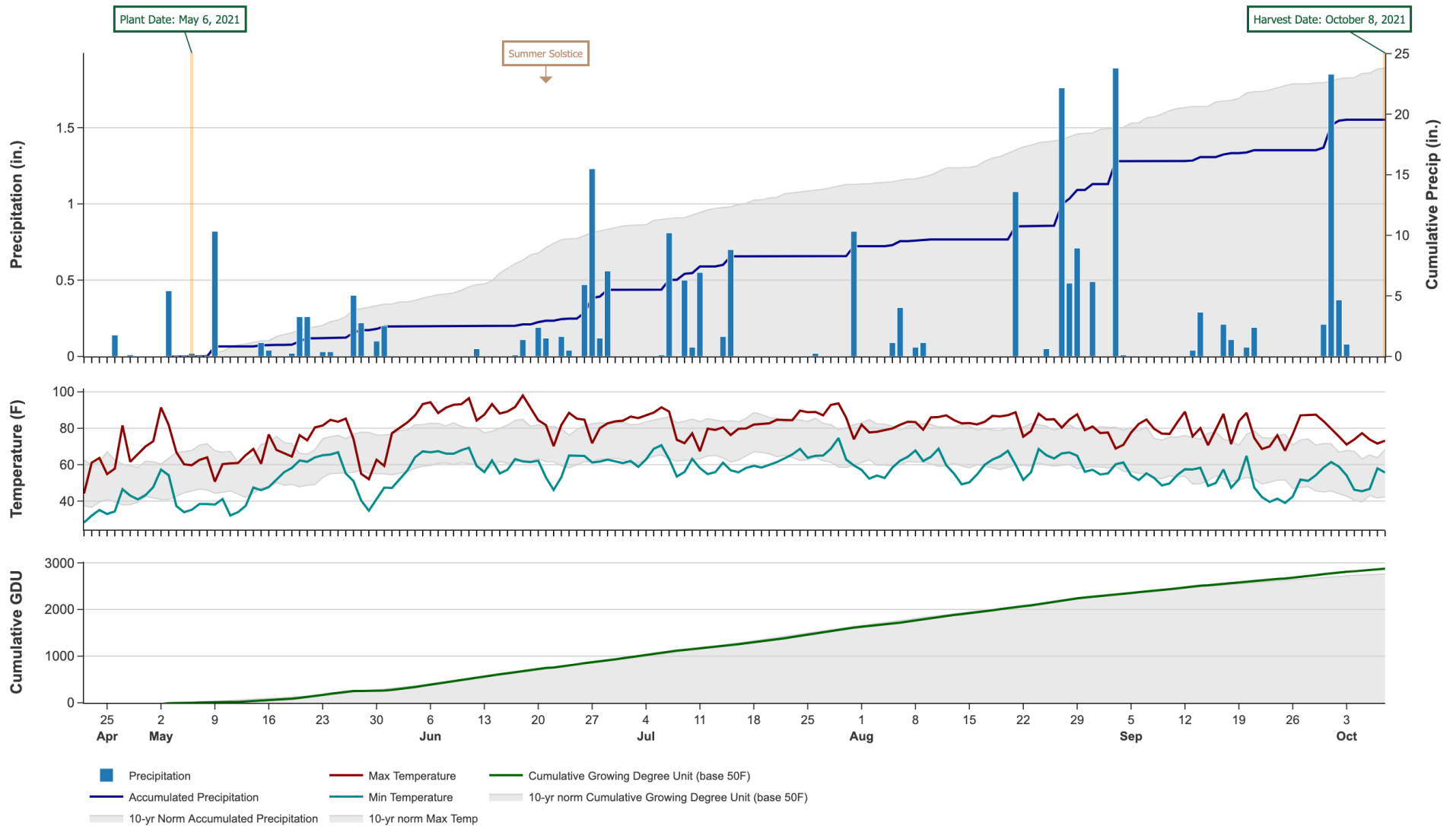
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# 2021 Soybeans - Iowa North Central [ IANC ]

## Weather Conditions Summary at LAURENS, IA

Weather Data Retrieved: 10/09/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	0.1   0.9 (-0.7)	2.9   5.2 (-2.3)	3.0   6.3 (-3.2)	3.6   3.6 (-0.0)	5.1   4.2 (+0.9)	3.0   4.2 (-1.1)	2.3   1.2 (+1.1)	20.1   25.6 (-5.4)
GDU   Normal (Diff)	39   32 (+6)	322   331 (-9)	669   618 (+50)	679   728 (-49)	664   630 (+33)	482   429 (+52)	117   67 (+49)	2972   2839 (+132)



\* 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

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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

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies

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E3	Enlist™ E3
LLGT27	LibertyLink® GT27®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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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

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\* Seed treatments may include unspecified plant health promoting components.