

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

2022 Soybeans Top 30 Harvest Report

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

Early-Season Test	Maturity Group 2.1 - 2.5 S2022IANC02a
Top 30 of 34	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Tripleflex2, Diflexx Duo, Atrazine
SOIL DESCRIPTION:	Nicollet - Clarion clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.1 pH, 4.4% OM, 21.6 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Authority Edge, Roundup Powermax, Select Max Lucento, Hero
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 21 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 4 133.8 /A

TEST COMMENTS:

Even when growing conditions are excellent, this area of Webster county is not known for record-breaking soybean yields. Add drought conditions into the mix and yield potential drops off quickly. Dry conditions and above-average heat were the story of this season. Webster county is currently in D1 intensity (moderate drought) and this field is more than 8" below normal for the growing season. The silver lining to the dry weather was the lack of disease development allowing for short, but healthy plants. All things considered, yields still out-paced the 10-yr historical average for this site.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG21XF2 § ↗	RXF	2.1	R	67.8	10.0	0	138.0	898	1
Titan Pro	TP 25E22 ↗	E3	2.5	R	63.2	10.1	0	130.0	837	2
Stine	23EE06 § ↗	E3	2.3	S	63.2	10.5	0	138.0	837	3
Kruger	K2294XF ↗	RXF	2.2	R	62.8	10.3	0	122.0	832	4
Stine	22EF23 § ↗	E3	2.2	R	62.4	10.0	0	138.0	827	5
NK Brand	NK25-C9XF § ↗	RXF	2.5	MR	62.2	9.9	0	138.0	824	6
Latham	L 2458 E3 ↗	E3	2.4	R	60.0	10.2	0	138.0	795	7
NK Brand	NK20-B6E3S ↗	E3,ST	2.0	R	60.0	10.0	0	138.0	795	8
Golden Harvest	GH2313XF ↗	RXF	2.3	R	59.9	10.0	0	114.0	794	9
NuTech	24N04E ↗	E3	2.4	R	59.4	9.9	0	138.0	787	10
Xitavo	XO 2501E ↗	E3	2.5	R	59.1	10.0	0	138.0	783	11
FS HiSOY	HS 24F00 ↗	RXF,ST	2.4	R	58.9	10.4	0	138.0	780	12
NK Brand	NK23-T9XF ↗	RXF	2.3	R	58.8	10.0	0	130.0	779	13
Genesis	G2550E ↗	E3	2.5	R	58.1	10.1	0	138.0	770	14
Latham	L 2193 E3 ↗	E3	2.1	R	57.0	10.0	0	122.0	755	16
Latham	L 2494 XF ↗	RXF	2.4	R	56.8	10.1	0	138.0	753	17
FS HiSOY	HS 25E00 ↗	E3	2.5	R	56.5	9.7	0	138.0	749	18
Latham	L 2283 XF ↗	RXF	2.2	R	56.5	10.0	0	130.0	749	19
Xitavo	XO 2323E ↗	E3	2.3	R	56.2	10.0	0	130.0	745	20
Xitavo	XO 2472E ↗	E3,ST	2.4	R	56.0	10.1	0	138.0	742	21
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	55.9	9.8	0	130.0	741	22
Genesis	G2570ES ↗	E3,ST	2.5	R	55.5	9.7	0	138.0	735	23
Hoegemeyer	2553 E ↗	E3	2.5	R	55.3	10.0	0	138.0	733	24
Asgrow	AG24XF3 § ↗	RXF	2.4	R	54.8	10.1	0	138.0	726	25
P3 Genetics	2223E ↗	E3	2.3	R	53.7	10.0	0	130.0	712	26
Cornelius	CB25XF99 ↗	RXF	2.5	R	53.6	10.2	0	138.0	710	27
FS HiSOY	HS 25F10 ↗	RXF,ST	2.5	R	53.2	10.1	0	130.0	705	28
NuTech	25N04E ↗	E3	2.5	R	53.1	9.9	0	138.0	704	29
NuTech	21N07E ↗	E3	2.1	R	52.5	10.0	0	138.0	696	30
Xitavo	XO 2282E ↗	E3	2.2	R	52.5	10.0	0	138.0	696	31
CROPLAN	CP2520E CK	E3	2.5	R	57.0	9.9	0	122.0	755	15

Corey Rozenboom

Corey Rozenboom

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

Averages =	57.3	10.0		133.8	759
LSD (0.10) =	3.0	0.2	ns		
LSD (0.25) =	1.6	0.1	ns		
C.V. =	4.9				Historic yield: 53.88 bu/a, 10 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$13.25

Report Date: 10/04/2022

† 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. ↗ Links to full product yield results at www.firstseedtests.com

©2022, All rights reserved by Elite Field Genetics, LLC

Additional reports available at www.firstseedtests.com

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

2022 Soybeans Top 30 Harvest Report

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

Full-Season Test	Maturity Group 2.6 - 2.9 S2022IANC02b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Tripleflex2, Diflexx Duo, Atrazine
SOIL DESCRIPTION:	Nicollet - Clarion clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.1 pH, 4.4% OM, 21.6 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Authority Edge, Roundup Powermax, Select Max Lucento, Hero
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 21 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 4 135.5 /A

TEST COMMENTS:

Even when growing conditions are excellent, this area of Webster county is not known for record-breaking soybean yields. Add drought conditions into the mix and yield potential drops off quickly. Dry conditions and above-average heat were the story of this season. Webster county is currently in D1 intensity (moderate drought) and this field is more than 8" below normal for the growing season. The silver lining to the dry weather was the lack of disease development allowing for short, but healthy plants. All things considered, yields still out-paced the 10-yr historical average for this site.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 2832E ↗	E3	2.8	R	66.1	10.3	0	130.0	876	1
Hoegemeyer	2763 E ↗	E3	2.7	R	64.5	9.7	0	130.0	855	2
NuTech	27N03E ↗	E3	2.7	R	63.8	9.8	0	130.0	845	3
Genesis	G2960E ↗	E3	2.9	R	63.6	10.4	0	138.0	843	4
Pioneer	P26T57E § ↗	E3	2.6	R	62.7	9.8	0	138.0	831	5
Golden Harvest	GH2653XF § ↗	RXF	2.6	R	62.6	9.9	0	138.0	829	6
Stine	26EC32 § ↗	E3	2.6	R	61.6	10.2	0	138.0	816	7
Asgrow	AG27XF3 § ↗	RXF	2.7	R	61.3	10.7	0	138.0	812	8
Xitavo	XO 2963E ↗	E3	2.9	R	60.8	10.3	0	138.0	806	9
Genesis	RS273NE ↗	E3	2.7	R	60.7	10.1	0	138.0	804	10
P3 Genetics	2326E ↗	E3	2.6	R	60.0	10.2	0	138.0	795	11
NK Brand	NK29-Z4E3 § ↗	E3	2.9	R	59.8	10.2	0	138.0	792	12
Xitavo	XO 2613E ↗	E3	2.6	R	59.6	9.9	0	130.0	790	13
Zinesto	Z2902E ↗	E3	2.9	NA	59.0	10.3	0	138.0	782	14
Hoegemeyer	2831 E § ↗	E3	2.8	R	58.9	10.7	0	138.0	780	15
Zinesto	Z2603E ↗	E3	2.6	R	58.9	10.2	0	138.0	780	16
FS HISOY	HS 26F20 ↗	RXF	2.6	R	58.8	10.2	0	138.0	779	17
NuTech	26N06E ↗	E3	2.6	R	58.6	9.9	0	130.0	776	18
NuTech	29N02E ↗	E3	2.9	R	58.6	10.3	0	138.0	776	19
Xitavo	XO 2921E ↗	E3	2.9	R	58.6	11.4	0	138.0	776	20
FS HISOY	HS 26E20 ↗	E3	2.6	R	58.5	10.3	0	130.0	775	21
Kruger	K2793XF ↗	RXF	2.7	R	57.9	10.4	0	138.0	767	22
Stine	26EF23 § ↗	E3	2.6	R	57.8	10.2	0	138.0	766	23
P3 Genetics	2229E ↗	E3	2.9	R	57.6	10.4	0	138.0	763	24
Pioneer	P29T37E § ↗	E3	2.9	NA	57.4	10.0	0	138.0	761	25
Latham	L 2638 E3 ↗	E3	2.6	R	57.4	9.7	0	138.0	761	27
Asgrow	AG28XF3 § ↗	RXF	2.8	R	56.8	9.6	0	138.0	753	28
Pioneer	P26T23E § ↗	E3	2.6	R	56.8	9.9	0	138.0	753	29
Latham	L 2894 E3 ↗	E3	2.8	R	56.5	10.1	0	122.0	749	30
Kruger	K2604XF ↗	RXF	2.6	R	54.9	10.1	0	130.0	727	31
CROPLAN	CP2520E CK	E3	2.5	R	57.4	10.1	0	138.0	761	26

Corey Rozenboom

Corey Rozenboom

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

Averages = **57.7** **10.2** **135.5** **765**

LSD (0.10) = 2.4 0.3 ns

LSD (0.25) = 1.3 0.2 ns

C.V. = 3.9 Historic yield: 53.88 bu/a, 10 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$13.25

Report Date: 10/04/2022

† 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. ↗ Links to full product yield results at www.firstseedtests.com

©2022, All rights reserved by Elite Field Genetics, LLC

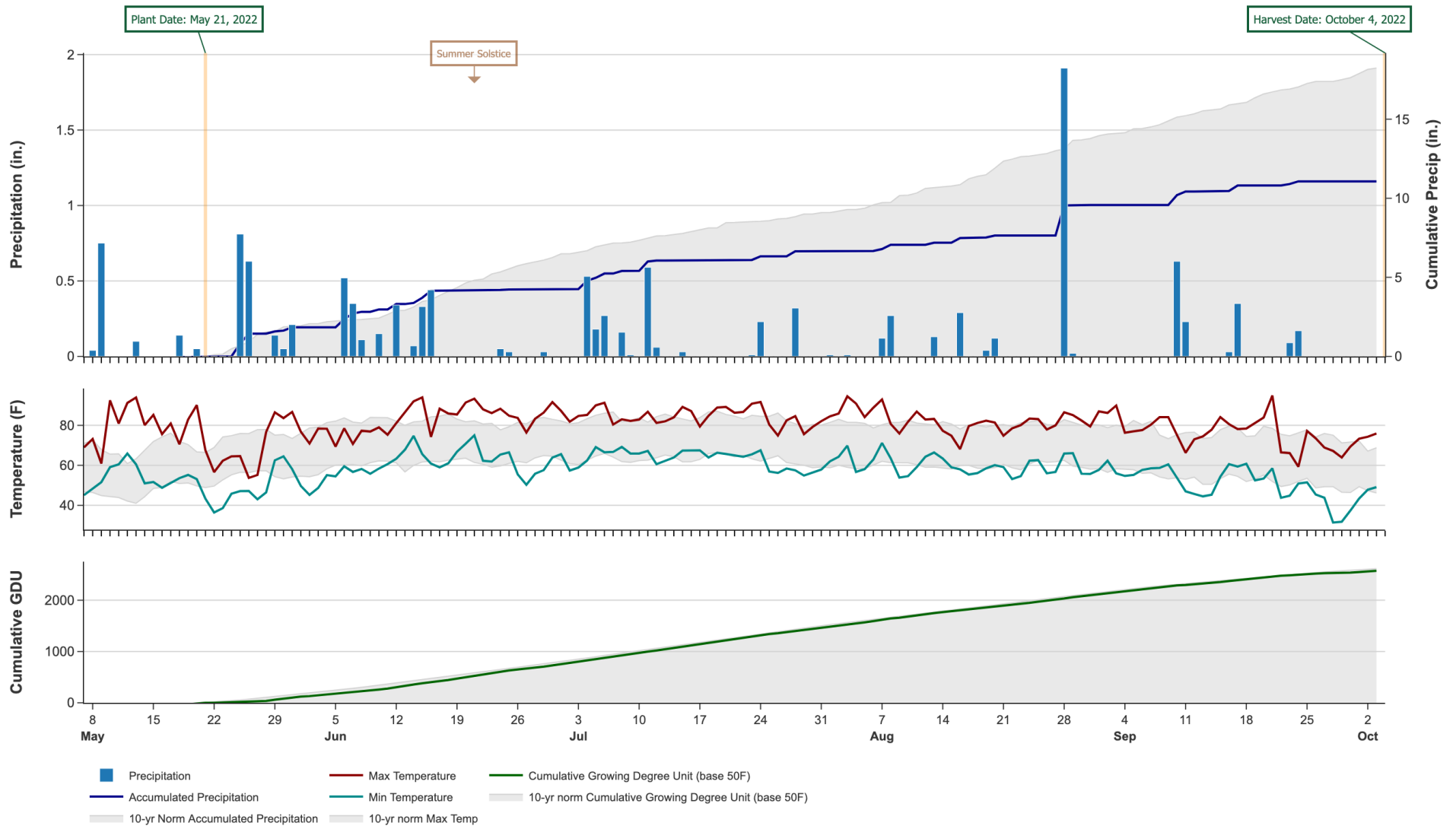
Additional reports available at www.firstseedtests.com

2022 Soybeans - Iowa North Central [IANC]

Weather Conditions Summary at MOORLAND, IA

Weather Data Retrieved: 10/04/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.9 4.3 (-1.3)	2.4 4.3 (-1.9)	2.4 2.8 (-0.4)	2.9 4.7 (-1.8)	1.5 3.9 (-2.4)	0.0 0.6 (-0.6)	12.2 20.6 (-8.4)
GDU Normal (Diff)	348 291 (+56)	623 636 (-13)	721 717 (+3)	645 629 (+15)	442 452 (-10)	37 29 (+7)	2816 2757 (+58)



* 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.

2022 Soybeans - Iowa North Central [IANC]

Early-Season Test Products (34 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG24XF3 §	RXF	R	2.4	ACi
Cornelius	CB25XF99	RXF	R	2.5	PG+
Croplan	CP2520E CK	E3	R	2.5	Untreated
FS HiSOY	HS 23E10	E3,ST	R	2.3	ACi,SA,B-200
FS HiSOY	HS 24F00	RXF,ST	R	2.4	ACi,SA,B-200
FS HiSOY	HS 25E00	E3	R	2.5	ACi,SA,B-200
FS HiSOY	HS 25F10	RXF,ST	R	2.5	ACi,SA,B-200
Genesis	G2550E	E3	R	2.5	EcTC,SA
Genesis	G2570ES	E3,ST	R	2.5	EcTC,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
Golden Harvest	GH2313XF	RXF	R	2.3	CMBV,SA
Hoegemeyer	2123 E	E3	R	2.1	Lum,Lu,IL
Hoegemeyer	2553 E	E3	R	2.5	Lum,Lu,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Kruger	K2594XF	RXF	R	2.5	ACi,IL
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2283 XF	RXF	R	2.2	SS+,SA
Latham	L 2458 E3	E3	R	2.4	SS+,SA
Latham	L 2494 XF	RXF	R	2.4	SS+,SA
NK Brand	NK20-B6E3S	E3,ST	R	2.0	CMBV,SA
NK Brand	NK23-T9XF	RXF	R	2.3	CMBV,SA
NK Brand	NK25-C9XF §	RXF	MR	2.5	CMBV,SA
NuTech	21N07E	E3	R	2.1	Lum,Lu,IL
NuTech	24N04E	E3	R	2.4	Lum,Lu,IL
NuTech	25N04E	E3	R	2.5	Lum,Lu,IL
P3 Genetics	2223E	E3	R	2.3	PG+
Stine	22EF23 §	E3	R	2.2	SFI
Stine	23EE06 §	E3	S	2.3	NA
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,G
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Xitavo	XO 2472E	E3,ST	R	2.4	PV,IL,OB,Rey
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB,Rey

2022 Soybeans - Iowa North Central [IANC]

Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG28XF3 §	RXF	R	2.8	ACi,IL
Cornelius	CB27XF34	RXF	R	2.7	PG+
Cornelius	CB29XF35	RXF	S	2.9	PG+
Croplan	CP2520E CK	E3	R	2.5	Untreated
Federal	F2830N GC	RXF	R	2.8	Treated
Federal	F2930N GC	RXF	R	2.9	Treated
FS HiSOY	HS 26E20	E3	R	2.6	ACi,SA,B-200
FS HiSOY	HS 26F20	RXF	R	2.6	ACi,SA,B-200
FS HiSOY	HS 28F20	RXF,ST	R	2.8	ACi,SA,B-200
FS HiSOY	HS 29F10	RXF	R	2.9	ACi,SA,B-200
Genesis	G2960E	E3	R	2.9	EcTC,SA
Genesis	RS273NE	E3	R	2.7	EcTC,SA
Golden Harvest	GH2653XF §	RXF	R	2.6	CMBV,SA
Golden Harvest	GH2922E3	E3	R	2.9	CMBV,SA
Hoegemeyer	2763 E	E3	R	2.7	Lum,Lu,IL
Hoegemeyer	2831 E §	E3	R	2.8	Lum,Lu,IL
Kruger	K2604XF	RXF	R	2.6	ACi,IL
Kruger	K2793XF	RXF	R	2.7	ACi,IL
Kruger	K2816XF	RXF	R	2.8	ACi,IL
Latham	L 2638 E3	E3	R	2.6	SS+,SA
Latham	L 2786 XF	RXF	R	2.7	SS+,SA
Latham	L 2894 E3	E3	R	2.8	SS+,SA
NK Brand	NK29-Z4E3 §	E3	R	2.9	CMBV,SA
NuTech	26N06E	E3	R	2.6	Lum,Lu,IL
NuTech	27N03E	E3	R	2.7	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
P3 Genetics	1928E GC	E3	R	2.8	PG+
P3 Genetics	2229E	E3	R	2.9	PG+
P3 Genetics	2326E	E3	R	2.6	PG+
Pioneer	P26T23E §	E3	R	2.6	Untreated
Pioneer	P26T57E §	E3	R	2.6	Untreated
Pioneer	P29T37E §	E3	NA	2.9	Untreated
Stine	26EC32 §	E3	R	2.6	SFI
Stine	26EF23 §	E3	R	2.6	SFI
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB,Rey
Xitavo	XO 2963E	E3	R	2.9	PV,IL,OB,Rey
Zinesto	Z2603E	E3	R	2.6	DST4
Zinesto	Z2700E	E3	R	2.7	DST4
Zinesto	Z2902E	E3	NA	2.9	DST4

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
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA,B-200	Acceleron® Standard Insecticide-Fungicide, Salstro®, B-200 SAT
CMBV,SA	Cruisermass® Beans, Vibrance®, Salstro®
DST4	Dominance 4 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salstro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PG+	Profit Guard +
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,G	Salstro, Allegiance FL, Redigo 480, Gaucho 600
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salstro®
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.