

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

2023 Soybeans Top 30 Harvest Report

Iowa North [IANO] VENTURA, IA
Brent Renner, Cerro Gordo County, IA

Early-Season Test	Maturity Group 1.7 - 2.0 S2023IANO02a
Top 30 of 41	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Dual, Callisto, Atrazine
SOIL DESCRIPTION:	Canisteo clay loam, moderately drained, non-irrigated
SOIL CONDITION:	high P, medium K, 6.6 pH, 4.5% OM, 22.4 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Buccaneer, Noventa, Outlook, Section Three
Applied N-P-K (units):	0-50-70
SEEDED - RATE - ROW:	May 22 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 126.1 /A

TEST COMMENTS:

This soybean trial was planted on May 22nd, however, many farms in the county were planted a few days earlier. As Brent put it, May 19th was a bad day to plant soybeans, especially no-till. He observed many fields of replanted beans in the area this year due to poor emergence and stand counts. Rainfall from planting through mid-July was spread out nicely and allowed for very good early season vigor. After a few small showers from the first couple weeks of August conditions turned dry until the end of September. From planting until October 1, this farm ended 8.3" below the 10-yr average. Plants stood well at harvest and very little lodging was observed.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG18XF1 § ↗	RXF	1.8	R	68.3	9.2	0	130.0	861	1
Xitavo	XO 1632E ↗	E3	1.6	R	67.8	9.3	0	124.7	854	2
Cornelius	CB18XF88 ↗	RXF	1.8	R	67.8	9.3	3	127.3	854	3
Zinesto	Z1702E ↗	E3	1.7	NA	67.4	9.4	0	127.3	849	4
P3 Genetics	2216E ↗	E3	1.6	R	67.3	9.7	0	130.0	848	5
Golden Harvest	GH2004XF § ↗	RXF	2.0	MR	67.1	9.0	0	124.7	845	6
Kruger	K1804XF ↗	RXF	1.8	R	66.9	9.8	1	122.3	843	7
NuTech	20N05E ↗	E3	2.0	R	66.6	9.8	0	122.3	839	8
P3 Genetics	2218E ↗	E3	1.8	R	66.4	9.7	4	127.3	837	9
Apex	AE1930 ↗	E3	1.9	R	66.1	9.4	0	124.7	833	10
Asgrow	AG19XF3 § ↗	RXF	1.9	R	65.5	9.1	1	124.7	825	11
Genesis	G1760E ↗	E3	1.7	R	65.4	9.4	0	127.3	824	12
NuTech	18N03E ↗	E3	1.8	R	65.3	10.3	0	122.3	823	13
Kruger	K1914XF ↗	RXF	1.9	R	65.1	9.0	0	124.7	820	14
Genesis	G1980E ↗	E3	1.9	R	65.0	9.4	0	127.3	819	15
FS HiSOY	HS 18F20 ↗	RXF	1.8	R	64.9	9.0	0	125.0	818	16
Xitavo	XO 1822E ↗	E3	1.8	R	64.3	9.3	0	120.0	810	17
Stine	19EG92 § ↗	E3	1.9	R	64.0	9.9	0	132.3	806	18
FS HiSOY	HS 15E10 ↗	E3	1.5	R	63.8	9.5	0	130.0	804	19
FS HiSOY	HS 18E30 ↗	E3	1.8	R	63.5	9.8	0	127.3	800	20
P3 Genetics	2320E ↗	E3	2.0	R	62.7	9.2	0	125.0	790	21
NuTech	16N04E ↗	E3	1.6	R	62.4	9.2	0	130.0	786	22
Zinesto	Z1802E ↗	E3	1.8	NA	62.0	9.8	0	127.3	781	23
Pioneer	P19A66E § ↗	E3	1.9	NA	61.9	8.7	0	127.3	780	24
Hefty	H18E3 ↗	E3	1.8	R	61.8	9.2	0	127.3	779	25
Genesis	G1950E ↗	E3	1.9	R	61.8	9.2	0	124.7	779	26
Stine	20EG02 § ↗	E3	2.0	R	61.4	10.1	0	127.3	774	27
Xitavo	XO 1971E ↗	E3	1.9	R	60.9	9.4	0	127.3	767	28
Xitavo	XO 1761E ↗	E3	1.7	R	60.9	8.9	0	127.3	767	29
FS HiSOY	HS 15F30 ↗	RXF	1.5	R	60.4	9.6	0	119.7	761	30
CROPLAN	CP2123E CK	E3	2.1	MR	58.8	9.3	0	130.0	741	34
					Averages =	62.5	9.5	0	126.1	788
					LSD (0.10) =	3.7	0.5	1		
					LSD (0.25) =	1.9	0.3	1		
					C.V. =	5.5				
					Historic yield: 68.5 bu/a, 1 yr(s)					

Corey Rozenboom

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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.60

Report Date: 10/11/2023

† 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

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Iowa North [IANO] VENTURA, IA

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Full-Season Test	Maturity Group 2.1 - 2.5 S2023IANO02b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Dual, Callisto, Atrazine
SOIL DESCRIPTION:	Canisteo clay loam, moderately drained, non-irrigated
SOIL CONDITION:	high P, medium K, 6.6 pH, 4.5% OM, 22.4 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Buccaneer, Noventa, Outlook, Section Three
Applied N-P-K (units):	0-50-70
SEEDED - RATE - ROW:	May 22 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 126.9 /A

TEST COMMENTS:

This soybean trial was planted on May 22nd, however, many farms in the county were planted a few days earlier. As Brent put it, May 19th was a bad day to plant soybeans, especially no-till. He observed many fields of replanted beans in the area this year due to poor emergence and stand counts. Rainfall from planting through mid-July was spread out nicely and allowed for very good early season vigor. After a few small showers from the first couple weeks of August conditions turned dry until the end of September. From planting until October 1, this farm ended 8.3" below the 10-yr average. Plants stood well at harvest and very little lodging was observed.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Genesis	G2180E ↗	E3	2.1	R	70.8	10.3	0	129.7	892	1
Golden Harvest	GH2313XF § ↗	RXF	2.3	R	69.9	9.4	0	127.3	881	2
Asgrow	AG21XF2 § ↗	RXF	2.1	R	69.8	9.5	0	127.3	879	3
Genesis	G2480E ↗	E3	2.4	R	69.3	9.5	0	132.3	873	4
Xitavo	XO 2323E ↗	E3	2.3	R	69.2	9.6	0	122.0	872	5
Titan Pro	TP 22E23 ↗	E3	2.2	R	69.0	10.0	0	124.7	869	6
Cornelius	CB22XF52 ↗	RXF	2.2	R	67.7	9.5	0	124.7	853	7
Stine	21EG32 § ↗	E3	2.1	R	67.6	10.2	0	127.3	852	8
Xitavo	XO 2282E ↗	E3	2.2	R	66.9	9.5	0	130.0	843	9
Apex	AE2130 ↗	E3	2.1	MR	66.5	9.8	0	122.0	838	10
P3 Genetics	2322E ↗	E3	2.2	R	66.3	9.7	0	127.3	835	11
FS HiSOY	HS 21E20 ↗	E3	2.1	R	66.0	9.4	0	127.3	832	12
Xitavo	XO 2181E ↗	E3	2.1	R	65.7	9.6	0	127.3	828	13
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	65.6	9.4	0	130.0	827	14
FS HiSOY	HS 24E30 ↗	E3	2.4	R	65.4	9.8	0	125.0	824	15
Stine	24FD32 § ↗	RXF	2.4	R	65.2	10.4	0	130.0	822	16
Zinesto	Z2303E ↗	E3	2.3	R	64.3	10.0	0	127.3	810	17
Renk	RS214NXF ↗	RXF	2.1	R	64.0	10.2	0	127.3	806	18
Kruger	K2294XF ↗	RXF	2.2	R	63.8	10.0	0	130.0	804	19
Asgrow	AG25XF3 § ↗	RXF	2.5	R	63.7	10.7	0	125.0	803	20
Titan Pro	TP 25E22 ↗	E3	2.5	R	63.0	9.8	0	127.3	794	21
Zinesto	Z2101E ↗	E3	2.1	R	62.9	9.6	3	125.0	793	22
NuTech	25N04E ↗	E3	2.5	R	62.9	9.9	0	127.3	793	23
Hoegemeyer	2254 E GC ↗	E3	2.2	R	62.4	9.7	2	119.7	786	24
Pioneer	P21A53E § ↗	E3	2.1	NA	62.3	9.5	0	124.7	785	25
FS HiSOY	HS 25E30 ↗	E3	2.5	R	62.3	9.9	0	130.0	785	26
Kruger	K2115XF ↗	RXF	2.1	R	62.2	10.3	0	127.3	784	27
NuTech	22N03E ↗	E3	2.2	R	61.4	10.0	0	124.7	774	28
Zinesto	Z2202E ↗	E3	2.2	NA	61.3	9.5	0	127.3	772	29
FS HiSOY	HS 24F00 ↗	RXF,ST	2.4	R	60.8	10.0	0	130.0	766	30
CROPLAN	CP2123E CK	E3	2.1	MR	59.7	9.4	1	119.7	752	35
					Averages =	64.3	9.9	0	126.9	810
					LSD (0.10) =	3.8	ns	ns		
					LSD (0.25) =	2.0	ns	ns		
					C.V. =	5.6				
					Historic yield: 68.5 bu/a, 1 yr(s)					

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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.60

Report Date: 10/11/2023

† 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

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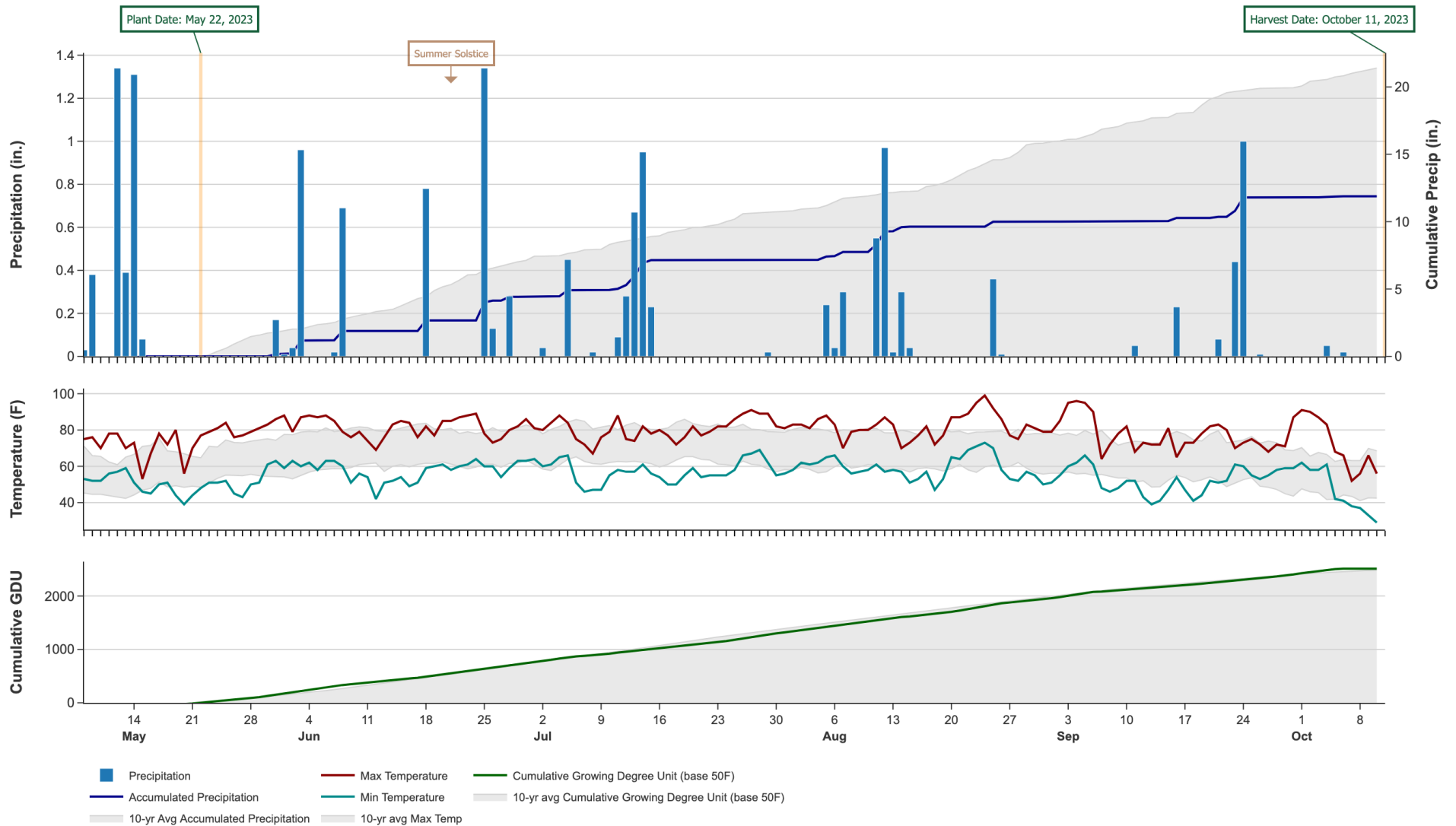
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2023 Soybeans - Iowa North [IANO]

Weather Conditions Summary at VENTURA, IA

Weather Data Retrieved: 10/11/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	3.7 4.1 (-0.4)	4.2 5.3 (-1.1)	2.8 3.7 (-0.9)	2.8 5.0 (-2.2)	1.8 4.1 (-2.3)	0.1 1.4 (-1.4)	15.4 23.7 (-8.3)
GDU Avg (Diff)	325 254 (+70)	588 596 (-8)	580 672 (-92)	625 592 (+32)	460 420 (+39)	107 80 (+26)	2685 2616 (+68)



* 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.

2023 Soybeans - Iowa North [IANO]

Early-Season Test Products (41 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1930	E3	R	1.9	PU
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Cornelius	CB16XF21	RXF	R	1.6	PG+
Cornelius	CB18XF88	RXF	R	1.8	PG+
Croplan	CP2123E CK	E3	MR	2.1	Untreated
FS HiSOY	HS 15E10	E3	R	1.5	ACi,SA
FS HiSOY	HS 15F30	RXF	R	1.5	ACi,SA
FS HiSOY	HS 18E30	E3	R	1.8	ACi,SA
FS HiSOY	HS 18F20	RXF	R	1.8	ACi,SA
Genesis	G1760E	E3	R	1.7	EcQ,NF,NH,SA
Genesis	G1950E	E3	R	1.9	EcQ,NF,NH,SA
Genesis	G1980E	E3	R	1.9	EcQ,NF,NH,SA
Golden Harvest	GH1973E3S §	E3,ST	R	1.9	CMB-APX,SA
Golden Harvest	GH2004XF §	RXF	MR	2.0	CMB-APX,SA
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Jacobsen	J1873E3	E3	R	1.8	Treated
Jacobsen	J1942E3	E3	R	1.9	Treated
Kruger	K1804XF	RXF	R	1.8	ACi,IL
Kruger	K1914XF	RXF	R	1.9	ACi,IL
NuTech	16N04E	E3	R	1.6	Lum,Lu,IL
NuTech	18N03E	E3	R	1.8	Lum,Lu,Lud,IL
NuTech	20N05E	E3	R	2.0	Lum,Lu,Lud,IL
P3 Genetics	2216E	E3	R	1.6	PG+
P3 Genetics	2218E	E3	R	1.8	PG+
P3 Genetics	2320E	E3	R	2.0	PG+
Pioneer	P18A73E §	E3	NA	1.8	Untreated
Pioneer	P19A66E §	E3	NA	1.9	Untreated
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Titan Pro	TP 18E22 GC	E3	R	1.8	Untreated
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,TU
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB,Rey
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB,Rey
Xitavo	XO 1822E	E3	R	1.8	PV,IL,OB,Rey
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB,Rey
Zinesto	Z1702E	E3	NA	1.7	DST5
Zinesto	Z1802E	E3	NA	1.8	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST5

2023 Soybeans - Iowa North [IANO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2130	E3	MR	2.1	PU
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG25XF3 §	RXF	R	2.5	ACi,IL
Cornelius	CB22XF52	RXF	R	2.2	PG+
Croplan	CP2123E CK	E3	MR	2.1	Untreated
FS HiSOY	HS 21E20	E3	R	2.1	ACi,SA
FS HiSOY	HS 24E30	E3	R	2.4	ACi,SA
FS HiSOY	HS 24F00	RXF,ST	R	2.4	ACi,SA
FS HiSOY	HS 25E30	E3	R	2.5	ACi,SA
Genesis	G2180E	E3	R	2.1	EcQ,NF,NH,SA
Genesis	G2480E	E3	R	2.4	EcQ,NF,NH,SA
Genesis	G2550E	E3	R	2.5	EcQ,NF,NH,SA
Genesis	G2570ES	E3,ST	R	2.5	EcQ,NF,NH,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMB-APX,SA
Golden Harvest	GH2313XF §	RXF	R	2.3	CMB-APX,SA
Hoegemeyer	2254 E GC	E3	R	2.2	Lum, LumT, IL
Kruger	K2115XF	RXF	R	2.1	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
NuTech	22N03E	E3	R	2.2	Lum,Lu,Lud,IL
NuTech	24N05E	E3	R	2.4	Lum,Lu,IL
NuTech	25N04E	E3	R	2.5	Lum,Lu,IL
P3 Genetics	2322E	E3	R	2.2	PG+
Pioneer	P21A53E §	E3	NA	2.1	Untreated
Renk	RS214NXF	RXF	R	2.1	Treated
Stine	21EG32 §	E3	R	2.1	ACi
Stine	24FD32 §	RXF	R	2.4	ACi
Titan Pro	TP 22E23	E3	R	2.2	SA,A,R,TU
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,TU
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Xitavo	XO 2444E	E3,ST	R	2.4	PV,IL,OB,Rey
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	DST5
Zinesto	Z2303E	E3	R	2.3	DST5
Zinesto	Z2401E	E3	R	2.4	DST5

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	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
CMB-APX,SA	CruiserMaxx® APX with Saltro®
DST5	Dominance 5 ST
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.