

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

2023 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] LAURENS, IA
Dale Roewe, Pocahontas County, IA 50554

Early-Season Test	Maturity Group 1.6 - 2.0 S2023IANW03a
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex Gt, Atrazine
SOIL DESCRIPTION:	Webster clay loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, high K, 5.5 pH, 4.5% OM, 25.0 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Metolachlor, Metribuzin, Roundup Power Max, Noveenta, Outlook, Section Three
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 23 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 127.8 /A

TEST COMMENTS:

Dale reported 7.5" of rain during the second week of May before the FIRST plot was planted. Once soils dried up and planting resumed, the warmer soil temperatures allowed plants to emerge quickly with good early-season vigor. Several more small showers came with regularity through mid-July providing the plants with just enough moisture to prevent too much stress during flowering. Pod set was excellent. Then it turned quite dry. Not much rain fell from mid-Aug through September. From planting through Oct 1, the season ended nearly 7" below the 10-yr average. Some varieties were lodged at harvest more than others and the scores in this report reflect the severity of lodging. None were totally flat and, actually, even the more severely lodged varieties still fed into the combine reasonably well.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH2004XF § ↗	RXF	2.0	MR	76.0	10.5	2	130.0	958	1
Titan Pro	TP 18E22 GC ↗	E3	1.8	R	73.6	10.7	6	132.3	927	2
Hefty	H18E3 ↗	E3	1.8	R	71.9	10.6	9	130.0	906	3
Xitavo	XO 1822E ↗	E3	1.8	R	71.7	10.7	23	125.0	903	4
Asgrow	AG18XF1 § ↗	RXF	1.8	R	71.2	10.4	5	132.3	897	5
FS HiSOY	HS 15E10 ↗	E3	1.5	R	71.1	10.7	12	127.3	896	6
FS HiSOY	HS 15F30 ↗	RXF	1.5	R	70.0	10.6	7	124.7	882	8
FS HiSOY	HS 18F20 ↗	RXF	1.8	R	69.9	10.5	3	127.3	881	9
Hefty	H20E3 ↗	E3	2.0	R	69.9	10.8	3	130.0	881	10
Zinesto	Z1802E ↗	E3	1.8	NA	69.9	10.5	9	125.0	881	11
Titan Pro	TP 20E22 GC ↗	E3	2.0	R	69.7	10.6	5	124.7	878	12
FS HiSOY	HS 18E30 ↗	E3	1.8	R	69.6	10.5	7	130.0	877	13
Stine	20EG02 § ↗	E3	2.0	R	69.4	10.9	8	127.3	874	14
Cornelius	CB18XF88 GC ↗	RXF	1.8	R	69.3	10.3	8	129.7	873	15
Stine	19EG92 § ↗	E3	1.9	R	68.9	10.6	17	130.0	868	16
Asgrow	AG19XF3 § ↗	RXF	1.9	R	68.7	10.5	21	125.0	866	17
Cornelius	CB16XF21 GC ↗	RXF	1.6	R	68.4	10.5	4	127.3	862	18
Kruger	K1804XF ↗	RXF	1.8	R	67.7	10.3	6	127.3	853	19
Pioneer	P19A66E § ↗	E3	1.9	NA	67.5	10.3	18	127.3	850	20
Zinesto	Z2002E ↗	E3	2.0	NA	67.4	10.9	43	134.7	849	21
Xitavo	XO 1632E ↗	E3	1.6	R	67.1	10.9	10	125.0	845	22
Zinesto	Z1603E ↗	E3	1.6	R	66.7	10.2	1	120.0	840	23
Pioneer	P18A73E § ↗	E3	1.8	NA	66.7	10.4	2	122.0	840	24
Xitavo	XO 1761E ↗	E3	1.7	R	66.5	10.2	4	130.0	838	25
Kruger	K1914XF ↗	RXF	1.9	R	65.3	10.6	15	132.3	823	26
Zinesto	Z1902E ↗	E3	1.9	NA	65.3	10.9	11	130.0	823	27
Golden Harvest	GH2083E3S § ↗	E3,ST	2.0	R	65.1	11.4	14	124.7	820	28
Xitavo	XO 1971E ↗	E3	1.9	R	64.7	10.3	5	124.7	815	29
Hefty	H16E4 ↗	E3	1.6	R	64.2	11.3	6	127.3	809	30
CROPLAN	CP2520E CK	E3	2.5	R	70.6	10.3	11	130.0	890	7

Corey Rozenboom

Corey Rozenboom

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

Averages = **68.8** **10.6** **10** **127.8** **867**

LSD (0.10) = 2.6 0.3 10

LSD (0.25) = 1.4 0.1 5

C.V. = 3.5

Historic yield: 60.61 bu/a, 11 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$12.60

Report Date: 10/07/2023

Revised: 10/23/2023 Corrected the test maturity range, no data changes.

Additional reports available at www.firstseedtests.com

† 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 Northwest [IANW] LAURENS, IA

Dale Roewe, Pocahontas County, IA 50554

Full-Season Test	Maturity Group 2.1 - 2.5 S2023IANW03b
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SOIL CONDITION:	very high P, high K, 5.5 pH, 4.5% OM, 25.0 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Metolachlor, Metribuzin, Roundup Power Max, Noventa, Outlook, Section Three
Applied N-P-K (units):	0-0-0
SEEDING - RATE - ROW:	May 23 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 125.4 /A

TEST COMMENTS:

Dale reported 7.5" of rain during the second week of May before the FIRST plot was planted. Once soils dried up and planting resumed, the warmer soil temperatures allowed plants to emerge quickly with good early-season vigor. Several more small showers came with regularity through mid-July providing the plants with just enough moisture to prevent too much stress during flowering. Pod set was excellent. Then it turned quite dry. Not much rain fell from mid-Aug through September. From planting through Oct 1, the season ended nearly 7" below the 10-yr average. Some varieties were lodged at harvest more than others and the scores in this report reflect the severity of lodging. None were totally flat and, actually, even the more severely lodged varieties still fed into the combine reasonably well.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Cornelius	CB22XF52 ↗	RXF	2.2	R	79.8	10.2	5	130.0	1005	1
Asgrow	AG21XF2 § ↗	RXF	2.1	R	75.4	10.7	4	119.7	950	2
Genesis	G2570ES ↗	E3,ST	2.5	R	73.8	10.5	2	130.0	930	3
Titan Pro	TP 25E22 ↗	E3	2.5	R	72.8	10.6	6	130.0	917	4
Golden Harvest	GH2544XF § ↗	RXF	2.5	R	72.2	10.7	20	122.0	910	5
Genesis	G2550E ↗	E3	2.5	R	71.7	11.0	14	124.7	903	6
Xitavo	XO 2181E ↗	E3	2.1	R	71.7	10.5	2	124.7	903	7
Zinesto	Z2101E ↗	E3	2.1	R	71.3	10.6	2	125.0	898	8
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	71.0	10.5	4	130.0	895	9
Genesis	G2480E ↗	E3	2.4	R	70.6	10.4	1	122.3	890	11
Titan Pro	TP 22E23 ↗	E3	2.2	R	70.4	10.5	1	127.3	887	12
FS HiSOY	HS 25E30 ↗	E3	2.5	R	70.3	10.7	10	127.3	886	13
Zinesto	Z2401E ↗	E3	2.4	R	70.0	10.6	5	124.7	882	14
Zinesto	Z2202E ↗	E3	2.2	NA	69.9	10.7	1	130.0	881	15
Pioneer	P21A53E § ↗	E3	2.1	NA	69.7	10.4	5	124.7	878	16
Stine	24FD32 § ↗	RXF	2.4	R	69.4	10.7	2	130.0	874	17
Kruger	K2294XF ↗	RXF	2.2	R	69.4	10.8	1	130.0	874	18
Xitavo	XO 2444E ↗	E3,ST	2.4	R	68.9	10.5	1	117.3	868	19
Xitavo	XO 2323E ↗	E3	2.3	R	68.1	10.6	6	125.0	858	20
Kruger	K2115XF ↗	RXF	2.1	R	67.8	10.7	4	124.7	854	21
Zinesto	Z2303E ↗	E3	2.3	R	67.0	10.8	3	127.3	844	22
Xitavo	XO 2282E ↗	E3	2.2	R	66.8	10.5	3	122.3	842	23
Asgrow	AG25XF3 § ↗	RXF	2.5	R	66.8	10.7	9	122.0	842	24
FS HiSOY	HS 24E30 ↗	E3	2.4	R	66.1	10.8	5	122.0	833	25
Hoegemeyer	2574 E ↗	E3	2.5	R	66.0	10.8	3	130.0	832	26
Stine	21EG32 § ↗	E3	2.1	R	65.8	10.8	1	122.0	829	27
FS HiSOY	HS 23F10 ↗	RXF	2.3	R	65.4	10.9	3	127.3	824	28
FS HiSOY	HS 23E10 ↗	E3,ST	2.3	R	64.4	10.7	3	127.3	811	29
Hoegemeyer	2254 E ↗	E3	2.2	R	64.4	10.7	2	122.3	811	30
CROPLAN	CP2520E CK	E3	2.5	R	71.0	10.4	7	119.7	895	10

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Averages = **69.6** **10.6** **4** **125.4** **877**

LSD (0.10) = 2.5 ns 5

LSD (0.25) = 1.3 ns 3

C.V. = 3.5

Historic yield: 60.61 bu/a, 11 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.60

Report Date: 10/07/2023

Revised: 10/23/2023 Corrected the test maturity range, no data changes.

Additional reports available at www.firstseedtests.com

† 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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at www.firstseedtests.com

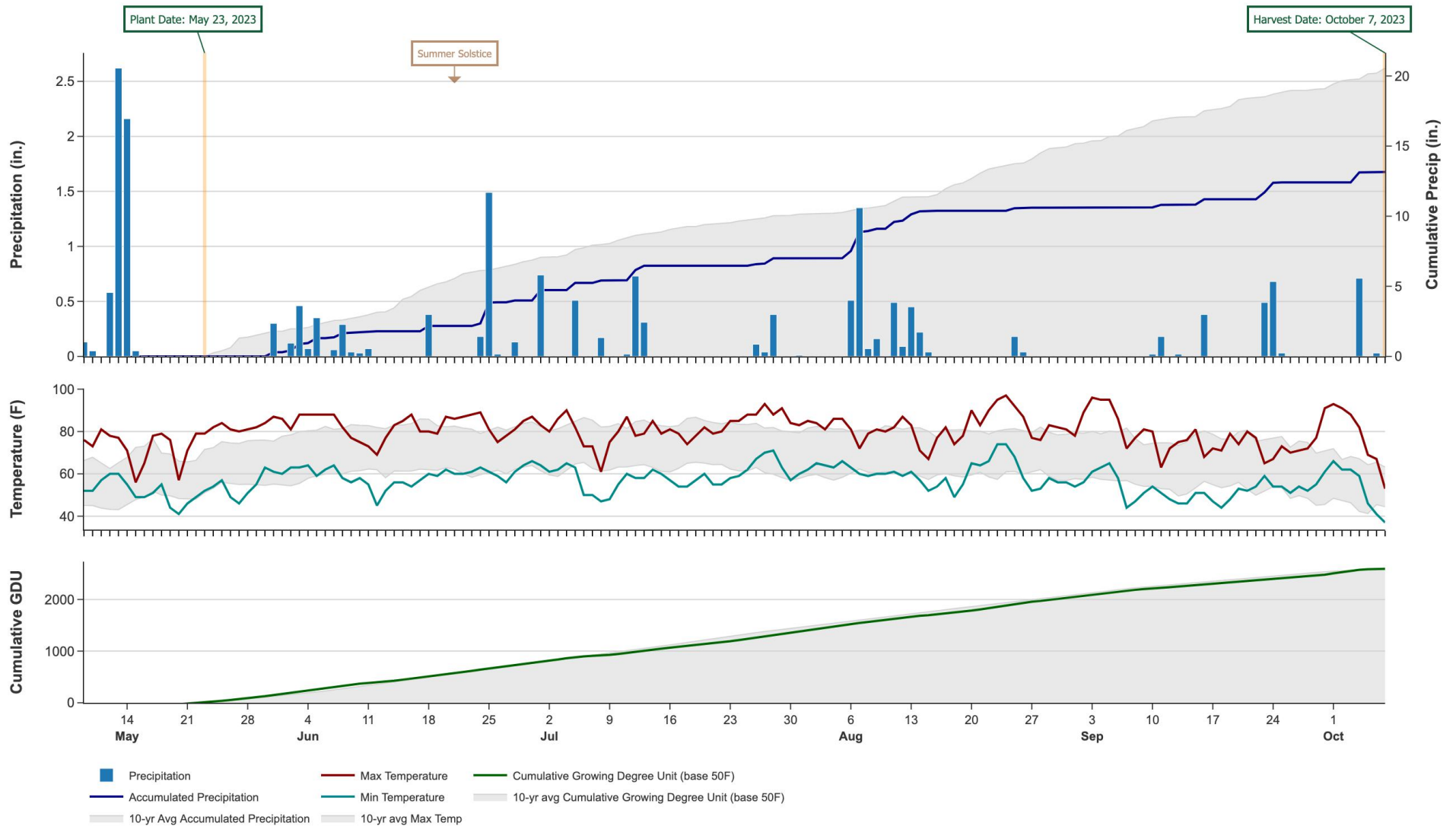
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2023 Soybeans - Iowa Northwest [IANW]

Weather Conditions Summary at LAURENS, IA

Weather Data Retrieved: 10/23/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	5.9 4.2 (+1.7)	3.7 5.1 (-1.4)	3.0 3.3 (-0.3)	3.6 4.8 (-1.2)	1.8 4.2 (-2.4)	0.7 1.5 (-0.7)	18.7 23.0 (-4.2)
GDU Avg (Diff)	342 258 (+83)	619 635 (-16)	616 701 (-85)	643 622 (+20)	450 457 (-7)	112 58 (+53)	2782 2733 (+48)



* 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 Northwest [IANW]

Early-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Cornelius	CB16XF21 GC	RXF	R	1.6	PG+
Cornelius	CB18XF88 GC	RXF	R	1.8	PG+
Croplan	CP2520E CK	E3	R	2.5	W
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
Golden Harvest	GH2004XF §	RXF	MR	2.0	CMB-APX,SA
Golden Harvest	GH2083E3S §	E3,ST	R	2.0	CMB-APX,SA
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Kruger	K1804XF	RXF	R	1.8	ACi,IL
Kruger	K1914XF	RXF	R	1.9	ACi,IL
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 GC	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	Z1603E	E3	R	1.6	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 Northwest [IANW]

Full-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG25XF3 §	RXF	R	2.5	ACi,IL
Cornelius	CB22XF52	RXF	R	2.2	PG+
Croplan	CP2520E CK	E3	R	2.5	W
FS HiSOY	HS 23E10	E3,ST	R	2.3	ACi,SA
FS HiSOY	HS 23F10	RXF	R	2.3	ACi,SA
FS HiSOY	HS 24E30	E3	R	2.4	ACi,SA
FS HiSOY	HS 25E30	E3	R	2.5	ACi,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	GH2544XF §	RXF	R	2.5	CMB-APX,SA
Hoegemeyer	2254 E	E3	R	2.2	Lum, LumT, IL
Hoegemeyer	2574 E	E3	R	2.5	Lum,Lu,IL
Kruger	K2115XF	RXF	R	2.1	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Pioneer	P21A53E §	E3	NA	2.1	Untreated
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, LumT, IL	LumiGEN™, LumiTreo, ILEVO
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PG+	Profit Guard +
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Untreated	No seed treatment
W	Warden® CX

* Seed treatments may include unspecified plant health promoting components.