

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

2022 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] GALVA, IA
Tom Andresen, Ida County, IA 51025

Early-Season Test	Maturity Group 1.9 - 2.4 S2022IANW03a
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surpass, Impact, Atrazine
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.0 pH, 5.0% OM, 21.1 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Prowl, Authority Mtz, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 20 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 13 123.4 /A

TEST COMMENTS:

There was plenty of heat but not a lot of rain in this part of Ida county. Except for a storm that brought a little over 1" on May 30, conditions were quite dry from planting through the beginning of flowering. July showers returned to provide nearly 3.6" of precipitation, which was very welcome and allowed for good pod formation. August turned dry again, but some nice showers during the last half of the month were well-timed as pods were filling. Overall, plants stood very well and appeared healthy. Yields here didn't quite reach levels seen last year, but were still above the 10-yr average for this area.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Stine	17EE32 § ↗	E3	1.7	R	71.2	9.2	0	138.0	943	1
Xitavo	XO 2472E ↗	E3,ST	2.4	R	71.0	9.0	0	122.0	941	2
Stine	22EF23 § ↗	E3	2.2	R	70.9	9.0	0	138.0	939	3
Zinesto	Z2401E ↗	E3	2.4	R	70.4	8.9	0	130.0	933	4
NK Brand	NK23-T9XF ↗	RXF	2.3	R	70.4	9.0	0	114.0	933	5
Xitavo	XO 2323E ↗	E3	2.3	R	69.5	8.9	0	130.0	921	6
Zinesto	Z2303E ↗	E3	2.3	R	69.5	9.1	0	138.0	921	7
FS HiSOY	HS 21E20 ↗	E3	2.1	R	69.2	8.9	0	114.0	917	8
Kruger	K2294XF ↗	RXF	2.2	R	68.5	9.0	0	122.0	908	9
Golden Harvest	GH2083E3S ↗	E3,ST	2.0	R	68.0	9.1	0	138.0	901	10
Latham	L 2193 E3 ↗	E3	2.1	R	68.0	8.9	0	122.0	901	11
FS HiSOY	HS 24F00 ↗	RXF,ST	2.4	R	67.6	9.1	0	130.0	896	12
Xitavo	XO 2181E ↗	E3	2.1	R	67.5	9.2	0	130.0	894	13
FS HiSOY	HS 21F20 ↗	RXF	2.1	R	66.0	9.0	0	122.0	874	14
NK Brand	NK19-D5XF § ↗	RXF	1.9	R	65.8	8.9	0	114.0	872	15
Latham	L 2049 E3 ↗	E3	2.0	R	65.7	8.7	0	106.7	871	17
Asgrow	AG24XF3 § ↗	RXF	2.4	R	65.6	9.0	0	130.0	869	18
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	65.6	8.8	0	114.7	869	19
Xitavo	XO 1971E ↗	E3	1.9	R	65.4	9.0	0	122.0	867	20
Latham	L 1947 E3 ↗	E3	1.9	R	64.8	9.0	0	114.0	859	21
FS HiSOY	HS 23E10 ↗	E3,ST	2.3	R	64.5	9.0	0	122.7	855	22
Croplan	CP2240XF GC ↗	RXF	2.2	R	64.3	9.0	0	114.0	852	23
Pioneer	P20T64E § ↗	E3	2.0	R	64.2	8.9	0	122.0	851	24
Zinesto	Z2101G ↗	LLGT27	2.1	R	63.4	9.1	0	114.7	840	25
Asgrow	AG20XF1 § ↗	RXF	2.0	R	63.1	9.1	0	130.0	836	26
Hoegemeyer	2123 E ↗	E3	2.1	R	62.8	9.0	0	122.0	832	27
Kruger	K1914XF ↗	RXF	1.9	R	62.8	9.0	0	138.0	832	28
Zinesto	Z1902E ↗	E3	1.9	NA	62.4	9.1	0	114.0	827	29
Titan Pro	TP 20E22 ↗	E3	2.0	R	61.7	9.0	0	130.0	818	30
Hoegemeyer	1903 E ↗	E3	1.9	R	61.6	9.0	0	114.0	816	31
CROPLAN	CP2520E CK	E3	2.5	R	65.7	9.0	0	122.0	871	16

Corey Rozenboom

Corey Rozenboom

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Averages = **65.5** **9.0** **0** **123.4** **868**

LSD (0.10) = 2.6 0.1 ns

LSD (0.25) = 1.4 0.1 ns

C.V. = 3.8

Historic yield: 60.3 bu/a, 18 yr(s)

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

Report Date: 10/13/2022

† 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

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Full-Season Test	Maturity Group 2.5 - 2.8 S2022IANW03b
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL CONDITION:	very high P, very high K, 6.0 pH, 5.0% OM, 21.1 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Prowl, Authority Mtz, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 20 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 13 119.7 /A

TEST COMMENTS:

There was plenty of heat but not a lot of rain in this part of Ida county. Except for a storm that brought a little over 1" on May 30, conditions were quite dry from planting through the beginning of flowering. July showers returned to provide nearly 3.6" of precipitation, which was very welcome and allowed for good pod formation. August turned dry again, but some nice showers during the last half of the month were well-timed as pods were filling. Overall, plants stood very well and appeared healthy. Yields here didn't quite reach levels seen last year, but were still above the 10-yr average for this area.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG27XF3 § ↗	RXF	2.7	R	75.3	8.9	0	122.0	998	1
FS HiSOY	HS 26F20 ↗	RXF	2.6	R	69.4	8.6	0	130.0	920	2
Hoegemeyer	2763 E ↗	E3	2.7	R	69.3	8.9	0	114.0	918	3
Stine	26EF23 § ↗	E3	2.6	R	69.1	9.1	0	122.0	916	4
NK Brand	NK25-C9XF § ↗	RXF	2.5	MR	69.0	8.8	0	122.0	914	5
FS HiSOY	HS 26E20 ↗	E3	2.6	R	68.9	9.0	0	122.0	913	6
Latham	L 2786 XF ↗	RXF	2.7	R	68.4	9.1	0	130.0	906	7
Golden Harvest	GH2653XF ↗	RXF	2.6	R	68.2	9.0	0	130.0	904	8
Zinesto	Z2700E ↗	E3	2.7	R	68.2	8.8	0	76.0	904	9
FS HiSOY	HS 27F20 ↗	RXF	2.7	R	68.2	9.0	0	99.3	904	10
Kruger	K2594XF ↗	RXF	2.5	R	67.4	9.1	0	114.7	893	11
Pioneer	P26T23E § ↗	E3	2.6	R	67.3	8.9	0	130.0	892	12
Asgrow	AG26XF3 § ↗	RXF	2.6	R	67.3	9.0	0	130.0	892	13
Zinesto	Z2503E ↗	E3	2.5	R	67.3	9.0	0	138.0	892	14
Hoegemeyer	2831 E GC ↗	E3	2.8	R	67.2	9.0	0	122.7	890	15
Golden Harvest	GH2722XF § ↗	RXF	2.7	MR	67.1	9.1	0	122.0	889	16
Zinesto	Z2603E ↗	E3	2.6	R	66.9	9.0	0	130.0	886	17
Latham	L 2638 E3 ↗	E3	2.6	R	66.7	9.0	0	122.0	884	18
FS HiSOY	HS 28F20 ↗	RXF,ST	2.8	R	66.6	9.1	0	130.0	882	19
Kruger	K2793XF ↗	RXF	2.7	R	66.6	9.1	0	122.7	882	20
Kruger	K2816XF ↗	RXF	2.8	R	66.5	8.9	0	122.0	881	21
Hoegemeyer	2553 E ↗	E3	2.5	R	66.3	8.6	0	122.0	878	22
Xitavo	XO 2501E ↗	E3	2.5	R	66.2	9.0	0	122.7	877	24
Stine	26EC32 § ↗	E3	2.6	R	66.2	9.2	0	114.0	877	25
Pioneer	P26T57E § ↗	E3	2.6	R	65.8	8.9	0	122.0	872	26
Kruger	K2604XF ↗	RXF	2.6	R	64.9	8.9	0	99.3	860	27
Xitavo	XO 2832E ↗	E3	2.8	R	64.9	9.2	0	114.0	860	28
Xitavo	XO 2613E ↗	E3	2.6	R	62.5	9.0	0	138.0	828	29
Latham	L 2894 E3 ↗	E3	2.8	R	60.8	9.0	0	93.0	806	30
CROPLAN	CP2520E CK	E3	2.5	R	66.2	8.9	0	114.0	877	23

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Averages = **67.2** **9.0** **119.7** **890**

LSD (0.10) = 1.9 0.2 ns

LSD (0.25) = 1.0 0.1 ns

C.V. = 2.7 Historic yield: 60.3 bu/a, 18 yr(s)

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

Report Date: 10/13/2022

† 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

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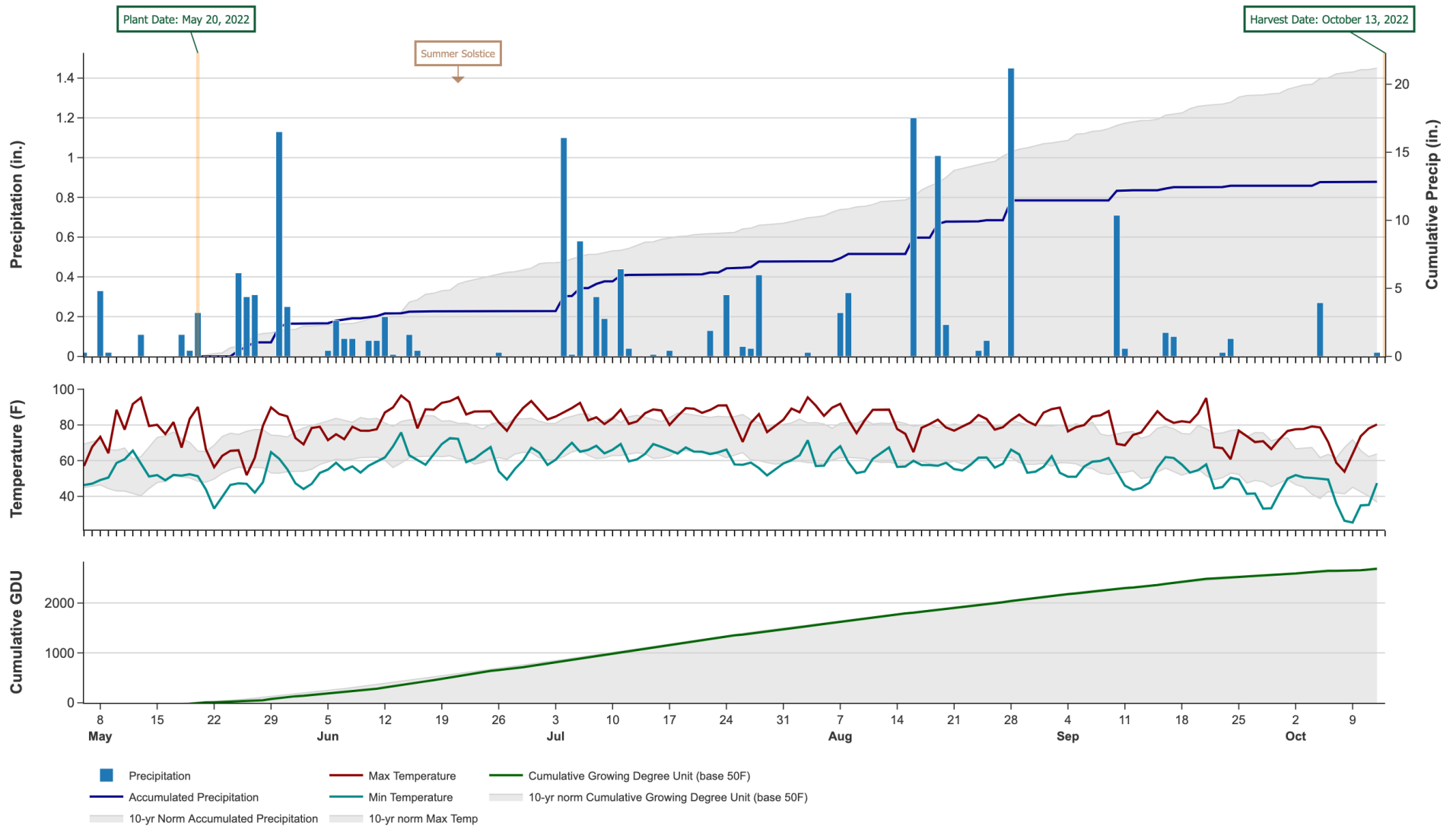
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2022 Soybeans - Iowa Northwest [IANW]

Weather Conditions Summary at GALVA, IA

Weather Data Retrieved: 10/13/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	3.2 4.1 (-0.9)	0.9 4.5 (-3.6)	3.6 3.3 (+0.3)	4.5 5.7 (-1.2)	1.1 3.9 (-2.8)	0.3 1.8 (-1.6)	13.7 23.3 (-9.7)
GDU Normal (Diff)	347 293 (+53)	620 631 (-11)	722 712 (+9)	638 623 (+14)	467 449 (+17)	123 95 (+27)	2917 2807 (+109)



* 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 Northwest [IANW]

Early-Season Test Products (35 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG20XF1 §	RXF	R	2.0	Untreated
Asgrow	AG24XF3 §	RXF	R	2.4	ACi
Croplan	CP2240XF GC	RXF	R	2.2	Untreated
Croplan	CP2520E CK	E3	R	2.5	Untreated
FS HiSOY	HS 21E20	E3	R	2.1	ACi,SA,B-200
FS HiSOY	HS 21F20	RXF	R	2.1	ACi,SA,B-200
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
Golden Harvest	GH2083E3S	E3,ST	R	2.0	CMBV,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
Hoegemeyer	1903 E	E3	R	1.9	Lum,Lu,IL
Hoegemeyer	2123 E	E3	R	2.1	Lum,Lu,IL
Kruger	K1914XF	RXF	R	1.9	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Latham	L 1947 E3	E3	R	1.9	SS+,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2379 E3	E3	R	2.3	SS+,SA
NK Brand	NK19-D5XF §	RXF	R	1.9	CMBV,SA
NK Brand	NK19-T8E3S	E3,ST	R	1.9	CMBV,SA
NK Brand	NK23-T9XF	RXF	R	2.3	CMBV,SA
Pioneer	P18T91E GC	E3	R	1.8	Untreated
Pioneer	P20T64E §	E3	R	2.0	Untreated
Pioneer	P21T72E §	E3	R	2.1	Untreated
Stine	17EE32 §	E3	R	1.7	SFI
Stine	22EF23 §	E3	R	2.2	SFI
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,G
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB,Rey
Xitavo	XO 2181E	E3	R	2.1	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
Zinesto	Z1902E	E3	NA	1.9	DST4
Zinesto	Z2101G	LLGT27	R	2.1	DST4
Zinesto	Z2303E	E3	R	2.3	DST4
Zinesto	Z2401E	E3	R	2.4	DST4

2022 Soybeans - Iowa Northwest [IANW]

Full-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG26XF3 §	RXF	R	2.6	ACi,IL
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Croplan	CP2520E CK	E3	R	2.5	Untreated
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 27F20	RXF	R	2.7	ACi,SA,B-200
FS HiSOY	HS 28F20	RXF,ST	R	2.8	ACi,SA,B-200
Golden Harvest	GH2653XF	RXF	R	2.6	CMBV,SA
Golden Harvest	GH2722XF §	RXF	MR	2.7	CMBV,SA
Hoegemeyer	2553 E	E3	R	2.5	Lum,Lu,IL
Hoegemeyer	2763 E	E3	R	2.7	Lum,Lu,IL
Hoegemeyer	2831 E GC	E3	R	2.8	Lum,Lu,IL
Kruger	K2594XF	RXF	R	2.5	ACi,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	NK25-C9XF §	RXF	MR	2.5	CMBV,SA
Pioneer	P26T23E §	E3	R	2.6	Untreated
Pioneer	P26T57E §	E3	R	2.6	Untreated
Stine	26EC32 §	E3	R	2.6	SFI
Stine	26EF23 §	E3	R	2.6	SFI
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB,Rey
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Zinesto	Z2503E	E3	R	2.5	DST4
Zinesto	Z2603E	E3	R	2.6	DST4
Zinesto	Z2700E	E3	R	2.7	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
LLGT27	LibertyLink® GT27®
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	Cruisermaxx® Beans, Vibrance®, Salstro®
DST4	Dominance 4 ST
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,G	Salstro, Allegiance FL, Redigo 480, Gaucho 600
SF1	Stine XP F&I
SS+,SA	SoyShield Plus, Salstro®
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.