

Test by: F.I.R.S.T. CCB, Inc. Elizabeth, IL

2021 Soybeans Top 30 Harvest Report

Iowa South [IASO] WINTERSET, IA
Mike Erdman, Madison County, IA 50273

Early-Season Test	Maturity Group 2.5 - 3.0 S2021IASO54a
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicap, Callisto, Headline
SOIL DESCRIPTION:	Sharpsburg sandy clay loam, well drained, non-irrigated
SOIL CONDITION:	medium P, very high K, 5.6 pH, 4.0% OM, 17.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Liberty, Ziduo Pro
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 22 156.6 /A

TEST COMMENTS:

Planting went very well at this site and plants emerged nice. It's possible the plot did not receive the rain needed to fill the pods, which held yields down. The plants stood 29 to 40 inches tall and the taller plants had wider pod sets. Plants were matured and made shelling easy. Conditions were damp the day before harvest, and we had to wait till pods dried down to harvest. There was no major lodging.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 2921E	E3	2.9	R	82.3	12.6	1	157.0	997	1
FS HiSOY	30F10	RXF	3.0	R	79.9	11.6	1	157.0	968	2
Hoegemeyer	2660 E	E3	2.6	R	79.4	12.0	1	157.0	962	3
Hoegemeyer	2831 E	E3	2.8	R	79.1	12.1	1	157.0	959	4
Apex	AE2920	E3	2.9	R	76.0	12.0	1	157.0	921	5
Golden Harvest	GH2922E3	E3	2.9	R	76.0	11.7	1	157.0	921	6
NuTech	29N02E	E3	2.9	R	75.2	12.2	2	157.0	911	7
Genesis	G2960E	E3	2.9	R	75.2	12.3	1	157.0	911	8
Stine	28EC32 §	E3	2.8	R	75.1	12.2	1	157.0	910	9
Golden Harvest	GH2722XF §	RXF	2.7	MR	74.5	11.7	1	157.0	903	10
NuTech	30N05E	E3	3.0	R	72.9	12.2	2	157.0	884	11
NuTech	28N02E	E3	2.8	R	72.8	12.1	1	157.0	882	12
Kruger	K2902XF	RXF	2.9	R	72.6	12.1	1	157.0	880	13
Kruger	K3003XF	RXF	3.0	R	71.7	11.7	2	157.0	869	14
Golden Harvest	GH2872XF	RXF	2.8	R	71.6	11.9	1	157.0	868	15
FS HiSOY	27E10	E3	2.7	R	70.3	12.1	1	157.0	852	16
Pioneer	P30T99E §	E3	3.0	R	69.8	12.3	1	157.0	846	17
Kruger	K2793XF	RXF	2.7	R	69.7	12.2	1	157.0	845	18
Golden Harvest	GH2562XF	RXF	2.5	R	68.2	11.8	1	157.0	827	19
NuTech	26N06E	E3	2.6	R	66.6	12.1	1	157.0	807	21
Asgrow	AG30XF2 §	RXF	3.0	R	66.4	11.8	1	157.0	805	22
Xitavo	XO 2501E	E3	2.5	R	65.8	11.6	1	155.3	797	23
Miller Hybrids	2503-E3 §	E3	2.5	R	65.6	11.7	1	155.3	795	24
Xitavo	XO 2832E	E3	2.8	R	65.1	11.7	1	152.7	789	25
FS HiSOY	29F10	RXF	2.9	R	64.0	11.3	1	152.7	776	26
Champion	3022XL GC	RXF	3.0	NA	62.6	11.7	1	157.0	759	27
Kruger	K2885XF	RXF	2.8	R	62.4	11.7	1	157.0	756	28
Credenz	CZ 3099GTLL	LLGT27	3.1	R	62.3	11.7	1	157.0	755	29
FS HiSOY	28E10	E3	2.8	R	60.0	11.6	1	157.0	727	30
Pioneer	P29T37E CK	E3	2.9	NA	67.4	11.7	1	157.0	817	20
					Averages =	70.7	11.9	1	156.6	857
					LSD (0.10) =	6.7	ns	ns		
					LSD (0.25) =	3.5	ns	ns		
					C.V. =	8.9				
					Historic yield: 68.28 bu/a, 17 yr(s)					



Randy Meinsma
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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.03 Prices: GMO = \$12.12

Report Date: 10/25/2021

† 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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Full-Season Test	Maturity Group 3.1 - 3.6 S2021IASO54b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicap, Callisto, Headline
SOIL DESCRIPTION:	Sharpsburg sandy clay loam, well drained, non-irrigated
SOIL CONDITION:	medium P, very high K, 5.6 pH, 4.0% OM, 17.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Liberty, Ziduo Pro
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 22 156.7 /A

TEST COMMENTS:

Planting went very well at this site and plants emerged nice. It's possible the plot did not receive the rain needed to fill the pods, which held yields down. The plants stood 29 to 40 inches tall and the taller plants had wider pod sets. Plants were matured and made shelling easy. Conditions were damp the day before harvest, and we had to wait till pods dried down to harvest. There was no major lodging.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Apex	AE3220	E3	3.2	R	77.1	12.2	1	157.0	934	1
Hoegemeyer	3591 E	E3	3.5	R	75.8	11.8	1	157.0	919	2
Golden Harvest	GH3380E3	E3	3.3	NA	75.3	11.6	1	157.0	913	3
FS HiSOY	35E10	E3	3.5	R	75.2	11.8	1	157.0	911	4
Kruger	K3305XF	RXF	3.3	R	74.7	12.0	1	157.0	905	5
Golden Harvest	GH3192XF §	RXF	3.1	MR	73.4	11.7	2	157.0	890	6
NuTech	34N06E	E3	3.4	R	73.1	11.9	1	157.0	886	7
Xitavo	XO 3341E	E3	3.3	R	72.4	11.8	1	157.0	877	8
NuTech	31N06E	E3	3.1	R	72.3	11.6	1	152.7	876	9
Xitavo	XO 3131E	E3	3.1	R	72.0	11.8	1	157.0	873	10
Apex	AE3310	E3	3.3	R	71.5	11.6	1	157.0	867	12
Genesis	G3460E	E3	3.4	R	71.4	12.3	2	157.0	865	13
NK Brand	S35-E3	E3	3.5	R	71.1	11.7	1	157.0	862	14
Asgrow	AG32XF2 §	RXF	3.2	R	70.7	12.0	1	155.3	857	15
P3 Genetics	2136E	E3	3.6	R	70.5	11.8	1	157.0	854	16
Stine	32EB02 §	E3	3.2	R	70.5	11.9	1	157.0	854	17
P3 Genetics	2234E	E3	3.4	R	70.5	12.1	1	157.0	854	18
FS HiSOY	36F10	RXF	3.6	R	70.3	12.4	1	157.0	852	19
Apex	AE3420	E3	3.4	R	69.6	12.2	1	157.0	844	20
Credenz	CZ 3309GTLL	LLGT27	3.3	R	69.4	12.2	1	157.0	841	21
Genesis	G3260E	E3	3.2	R	68.8	12.8	2	157.0	834	22
Channel	3022RFX GC	RXF	3.0	R	68.3	11.8	1	155.3	828	23
Golden Harvest	GH3132E3 GC	E3	3.1	R	67.9	11.7	1	157.0	823	24
Miller Hybrids	3403-E3 GC	E3	3.4	R	67.6	12.1	1	157.0	819	25
Asgrow	AG35XF1 §	RXF	3.5	R	67.4	12.0	1	157.0	817	26
Xitavo	XO 3651E	E3	3.6	R	67.4	12.1	1	157.0	817	27
Cornelius	CB31XF42	RXF	3.1	R	67.3	11.6	2	157.0	816	28
Golden Harvest	GH3512E3S	E3,ST	3.5	MR	66.7	12.0	1	157.0	808	29
Cornelius	CB35XF65	RXF	3.5	R	66.4	11.7	1	157.0	805	30
Kruger	K3103XF	RXF	3.1	R	66.3	11.6	1	157.0	804	31
Pioneer	P29T37E CK	E3	2.9	NA	71.9	11.7	1	155.3	871	11
					Averages =	68.7	12.0	1	156.7	831
					LSD (0.10) =	5.6	0.6	ns		
					LSD (0.25) =	3.0	0.3	ns		
					C.V. =	7.8	Historic yield: 68.28 bu/a, 17 yr(s)			




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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.03 Prices: GMO = \$12.12

Report Date: 10/25/2021

† 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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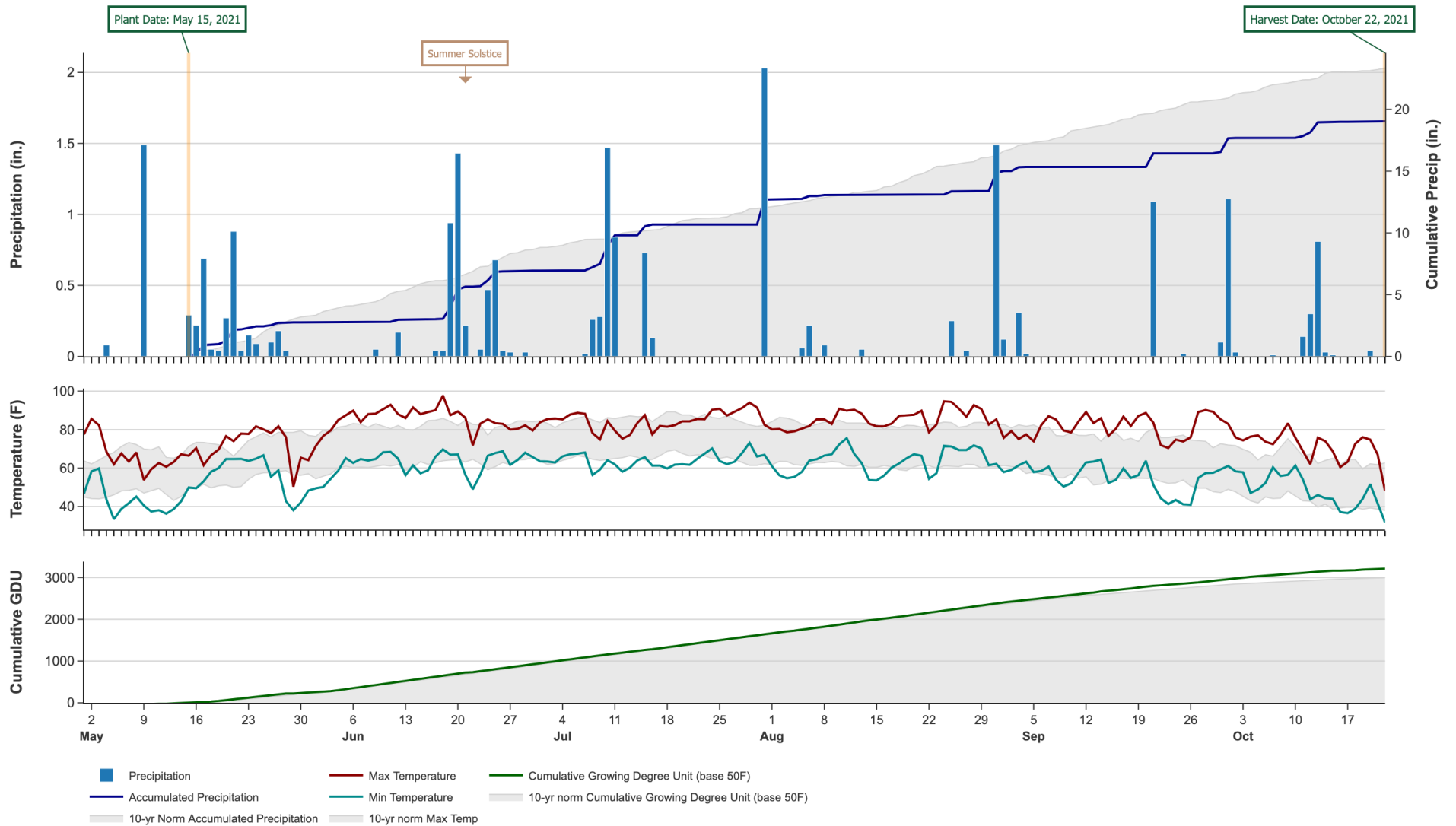
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2021 Soybeans - Iowa South [IASO]

Weather Conditions Summary at WINTERSET, IA

Weather Data Retrieved: 10/25/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	4.6 5.4 (-0.8)	4.2 5.4 (-1.2)	5.8 3.4 (+2.4)	2.2 4.2 (-2.0)	1.7 4.6 (-2.9)	2.5 2.5 (-0.0)	20.9 25.4 (-4.6)
GDU Normal (Diff)	359 365 (-6)	683 652 (+30)	733 773 (-40)	733 688 (+44)	559 477 (+81)	264 174 (+89)	3331 3130 (+200)



* 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 South [IASO]

Early-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2920	E3	R	2.9	CMBV,SA
Asgrow	AG30XF2 §	RXF	R	3.0	ACi,IL
Champion	3022XL GC	RXF	NA	3.0	NA
Credenz	CZ 3099GTLL	LLGT27	R	3.1	PV,IL,OB
FS HiSOY	27E10	E3	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
FS HiSOY	30F10	RXF	R	3.0	ACi,SA,B-200
Genesis	G2960E	E3	R	2.9	CMBV,SA
Golden Harvest	GH2562XF	RXF	R	2.5	CMBV,SA
Golden Harvest	GH2722XF §	RXF	MR	2.7	CMBV,SA
Golden Harvest	GH2872XF	RXF	R	2.8	CMBV,SA
Golden Harvest	GH2922E3	E3	R	2.9	CMBV,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
Kruger	K3003XF	RXF	R	3.0	ACi,IL
Miller Hybrids	2503-E3 §	E3	R	2.5	NA
NuTech	26N06E	E3	R	2.6	Lum,Lu,IL
NuTech	28N02E	E3	R	2.8	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
NuTech	30N05E	E3	R	3.0	Lum,Lu,IL
Pioneer	P29T37E CK	E3	NA	2.9	NA
Pioneer	P30T99E §	E3	R	3.0	NA
Stine	28EC32 §	E3	R	2.8	SFI
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB

2021 Soybeans - Iowa South [IASO]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE3220	E3	R	3.2	CMBV,SA
Apex	AE3310	E3	R	3.3	CMBV,SA
Apex	AE3420	E3	R	3.4	CMBV,SA
Asgrow	AG31XF2 §	RXF	R	3.1	ACi
Asgrow	AG32XF2 §	RXF	R	3.2	ACi,IL
Asgrow	AG35XF1 §	RXF	R	3.5	Untreated
Channel	3022RXF GC	RXF	R	3.0	ACi,IL
Cornelius	CB31XF42	RXF	R	3.1	PG+
Cornelius	CB35XF65	RXF	R	3.5	PG+
Credenz	CZ 3309GTLL	LLGT27	R	3.3	PV,IL,OB
Donmario	DM36F62S	RXF	NA	3.6	CMBV
FS HiSOY	32E00	E3	R	3.2	ACi,SA,B-200
FS HiSOY	35E10	E3	R	3.5	ACi,B-200
FS HiSOY	35F10	RXF	R	3.5	ACi,B-200
FS HiSOY	36F10	RXF	R	3.6	ACi,B-200
Genesis	G3260E	E3	R	3.2	CMBV,SA
Genesis	G3460E	E3	R	3.4	CMBV,SA
Golden Harvest	GH3132E3 GC	E3	R	3.1	CMBV,SA
Golden Harvest	GH3192XF §	RXF	MR	3.1	CMBV,SA
Golden Harvest	GH3380E3	E3	NA	3.3	Untreated
Golden Harvest	GH3442XF	RXF	MR	3.4	CMBV,SA
Golden Harvest	GH3512E3S	E3,ST	MR	3.5	CMBV,SA
Hoegemeyer	3141 E	E3	R	3.1	Lum,Lu,IL
Hoegemeyer	3421 SE	E3,ST	R	3.4	Lum,Lu,IL
Hoegemeyer	3591 E	E3	R	3.5	Lum,Lu,IL
Kruger	K3103XF	RXF	R	3.1	ACi,IL
Kruger	K3305XF	RXF	R	3.3	ACi,IL
Kruger	K3594XF	RXF	R	3.5	ACi,IL
Kruger	K3603XF	RXF	R	3.6	ACi,IL
Miller Hybrids	3403-E3 GC	E3	R	3.4	NA
NK Brand	NK31-M7E3	E3	R	3.1	CMBV,SA
NK Brand	NK34-G1XF	RXF	MR	3.4	CMBV,SA
NK Brand	NK35-J6E3S §	E3,ST	MR	3.5	CMBV,SA
NK Brand	S35-E3	E3	R	3.5	CMBV,SA
NuTech	31N06E	E3	R	3.1	Lum,Lu,IL
NuTech	34N06E	E3	R	3.4	Lum,Lu,IL
NuTech	35N03E	E3	R	3.5	Lum,Lu,IL
P3 Genetics	2136E	E3	R	3.6	PG+
P3 Genetics	2234E	E3	R	3.4	PG+
Pioneer	P29T37E CK	E3	NA	2.9	NA
Stine	32EB02 §	E3	R	3.2	SFI
Stine	35EE32 §	E3	R	3.5	SFI

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 3131E	E3	R	3.1	PV,IL,OB
Xitavo	XO 3341E	E3	R	3.3	PV,IL,OB
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB

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,B-200	Acceleron® Standard Insecticide-Fungicide, B-200 SAT
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA,B-200	Acceleron® Standard Insecticide-Fungicide, Saltro®, B-200 SAT
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PG+	Profit Guard +
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.