

Test by: F.I.R.S.T. MSR, Inc. Columbia, MO

2022 Soybeans Top 30 Harvest Report

Missouri North [MONO] GREENTOP, MO
Terry Sevits, Schuyler County, MO 63546

Early-Season Test	Maturity Group 3.2 - 3.7 S2022MONO04a
Top 29 of 29	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Brawl 2, Roundup
SOIL DESCRIPTION:	Belinda silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	low P, low K, 6.0 pH, 3.5% OM, 11.8 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Glyphosate, Authority Mtz
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 30 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 122.1 /A

TEST COMMENTS:

This site was planted into a uniform seedbed after a final spring tillage pass. A mid-summer scouting visit showed a uniform trial with zero weed pressure and happy-looking plants. Rain, however, was sparse during the second half of the growing season. Terry mentioned at harvest that this field doesn't historically respond well to dry conditions. The plants were short with small seed size at harvest. For a tough growing season, look at yield response to limited water availability – this is your trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DONMARIO	DM37E43S ↗	E3,ST	3.7	R	39.2	8.7	1	118.0	539	1
NuTech	34N02E ↗	E3	3.4	R	38.5	8.5	1	120.0	529	2
Hoegemeyer	3413 E ↗	E3	3.4	R	37.9	8.4	1	124.0	521	3
Asgrow	AG32XF2 § ↗	RXF	3.2	R	37.1	8.5	1	128.0	510	4
FS HiSOY	HS 34F00 ↗	RXF	3.4	R	35.0	8.4	1	118.0	481	5
Dyna-Gro	S35XF72 ↗	RXF	3.5	R	34.9	8.5	1	128.0	480	6
Xitavo	XO 3651E ↗	E3	3.6	R	34.6	8.6	1	116.0	476	7
Lewis	3713XF ↗	RXF	3.7	R	34.5	8.6	1	122.0	474	8
Lewis	3623XF ↗	RXF	3.6	R	34.4	8.5	1	118.0	473	9
Stine	34EA12 § ↗	E3	3.4	R	32.7	8.6	1	130.0	450	10
Stine	32EE21 § ↗	E3	3.2	R	32.3	8.4	1	116.0	444	11
Dyna-Gro	S37ES52 ↗	E3,ST	3.7	R	32.3	8.4	1	116.0	444	12
Xitavo	XO 3752E ↗	E3	3.7	R	31.8	8.4	1	122.3	437	13
Xitavo	XO 3341E ↗	E3	3.3	R	31.6	8.5	1	122.0	434	14
FS HiSOY	HS 33E20 ↗	E3,ST	3.3	R	31.4	8.3	1	114.0	432	15
Pioneer	P37T33E § ↗	E3	3.7	MR	31.3	8.6	1	118.0	430	16
NuTech	37N01E ↗	E3	3.7	R	31.1	8.5	1	124.0	428	17
Hoegemeyer	3591 E ↗	E3	3.5	R	30.5	8.6	1	130.0	419	18
NK Brand	NK36-H9E3S § ↗	E3,ST	3.6	R	30.4	8.5	1	118.0	418	19
Golden Harvest	GH3762E3S § ↗	E3,ST	3.7	MR	30.3	8.7	1	122.0	417	20
NuTech	35N03E ↗	E3	3.5	R	29.2	8.5	1	114.0	402	21
Asgrow	AG35XF1 § ↗	RXF	3.5	R	28.8	8.4	1	134.0	396	22
NK Brand	NK37-V4E3S ↗	E3,ST	3.7	MR	26.6	8.7	1	120.3	366	23
FS HiSOY	HS 35E10 ↗	E3	3.5	R	26.0	8.5	1	122.0	358	24
Lewis	3513XF ↗	RXF	3.5	R	25.0	8.5	1	118.0	344	26
Pioneer	P32T26E § ↗	E3	3.2	NA	23.2	8.5	1	132.0	319	27
Dyna-Gro	S37XF33 ↗	RXF	3.7	MR	19.6	8.5	1	118.0	270	28
FS HiSOY	HS 35F20 ↗	RXF	3.5	R	16.6	8.6	1	125.7	228	29
PIONEER	P38T76E CK	E3	3.8	NA	25.2	8.4	1	131.7	346	25
					Averages =	30.8	8.5	1	122.1	423
					LSD (0.10) =	3.7	0.1	ns		
					LSD (0.25) =	1.9	0.1	ns		
					C.V. =	11.4				
					Historic yield: 49.04 bu/a, 10 yr(s)					

William Schelp

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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$13.75

Report Date: 10/25/2022

† 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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2022 Soybeans Top 30 Harvest Report

Missouri North [MONO] GREENTOP, MO
Terry Sevits, Schuyler County, MO 63546

Full-Season Test	Maturity Group 3.8 - 4.3 S2022MONO04b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Brawl 2, Roundup
SOIL DESCRIPTION:	Belinda silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	low P, low K, 6.0 pH, 3.5% OM, 11.8 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Glyphosate, Authority Mtz
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 30 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 121.9 /A

TEST COMMENTS:

This site was planted into a uniform seedbed after a final spring tillage pass. A mid-summer scouting visit showed a uniform trial with zero weed pressure and happy-looking plants. Rain, however, was sparse during the second half of the growing season. Terry mentioned at harvest that this field doesn't historically respond well to dry conditions. The plants were short with small seed size at harvest. For a tough growing season, look at yield response to limited water availability – this is your trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Lewis	4304XF ↗	RXF	4.3	R	36.6	8.5	1	112.3	503	1
Asgrow	AG39XF3 § ↗	RXF	3.9	R	35.9	8.4	1	114.0	494	2
FS HiSOY	HS 40F20 ↗	RXF	4.0	R	35.8	8.6	1	124.3	492	3
Pioneer	P42A84E § ↗	E3	4.2	R	35.2	8.5	1	122.0	484	4
Stine	38EF32 § ↗	E3	3.8	R	34.9	8.4	1	120.0	480	5
Dyna-Gro	S38XF22S ↗	RXF,ST	3.8	MR	34.3	8.4	1	124.0	472	6
Xitavo	XO 4132E ↗	E3	4.1	R	34.2	8.6	1	116.0	470	7
AgVenture	AV39Y3E ↗	E3	3.9	MR	34.2	8.5	1	126.0	470	8
Lewis	3834XF ↗	RXF	3.8	R	33.6	8.4	1	112.0	462	9
DONMARIO	DM3932E ↗	E3	3.9	R	33.5	8.4	1	135.3	461	10
DONMARIO	DM41E73 ↗	E3	4.1	R	33.4	8.6	1	118.0	459	11
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	33.2	8.5	1	126.0	457	12
Xitavo	XO 4371E ↗	E3	4.3	R	32.8	8.6	1	128.0	451	13
Hoegemeyer	3953 E ↗	E3	3.9	R	32.3	8.4	1	102.7	444	14
Golden Harvest	GH3902E3S ↗	E3,ST	3.9	R	32.2	8.4	1	120.0	443	15
NuTech	39N04E ↗	E3	3.9	R	32.1	8.5	1	120.0	441	16
NuTech	39N07E ↗	E3	3.9	R	32.0	8.4	1	135.7	440	17
Lewis	3910XF ↗	RXF	3.9	R	31.8	8.4	1	131.7	437	18
NK Brand	NK39-T5E3S ↗	E3,ST	3.9	R	31.6	8.5	1	124.0	434	19
FS HiSOY	HS 41E20 ↗	E3	4.1	R	31.3	8.5	1	120.3	430	20
NK Brand	NK40-P5E3 § ↗	E3	4.0	R	31.2	8.4	1	118.3	429	21
AgVenture	AV41Y5E ↗	E3	4.1	MR	30.7	8.5	1	116.0	422	22
Stine	41EE62 § ↗	E3	4.1	R	30.6	8.4	1	130.0	421	23
Golden Harvest	GH4093E3 ↗	E3	4.0	R	30.6	8.6	1	118.0	421	24
Xitavo	XO 3861E ↗	E3	3.8	R	30.4	8.4	1	118.0	418	25
DONMARIO	DM41F33S ↗	RXF,ST	4.1	R	30.4	8.5	1	131.7	418	26
FS HiSOY	HS 38E20 ↗	E3,ST	3.8	R	30.3	8.5	1	130.0	417	27
NuTech	43N04E ↗	E3	4.3	R	30.1	8.5	1	120.3	414	28
Dyna-Gro	S41EN72 ↗	E3	4.1	R	29.2	8.5	1	123.7	402	29
AgVenture	AV38V3E ↗	E3	3.8	MR	29.1	8.5	1	133.7	400	30
PIONEER	P38T76E CK	E3	3.8	NA	29.0	8.4	1	126.0	399	32
					Averages =	31.6	8.5	1	121.9	435
					LSD (0.10) =	3.7	ns	ns		
					LSD (0.25) =	1.9	ns	ns		
					C.V. =	11.1				
					Historic yield: 49.04 bu/a, 10 yr(s)					

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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$13.75

Report Date: 10/25/2022

† 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

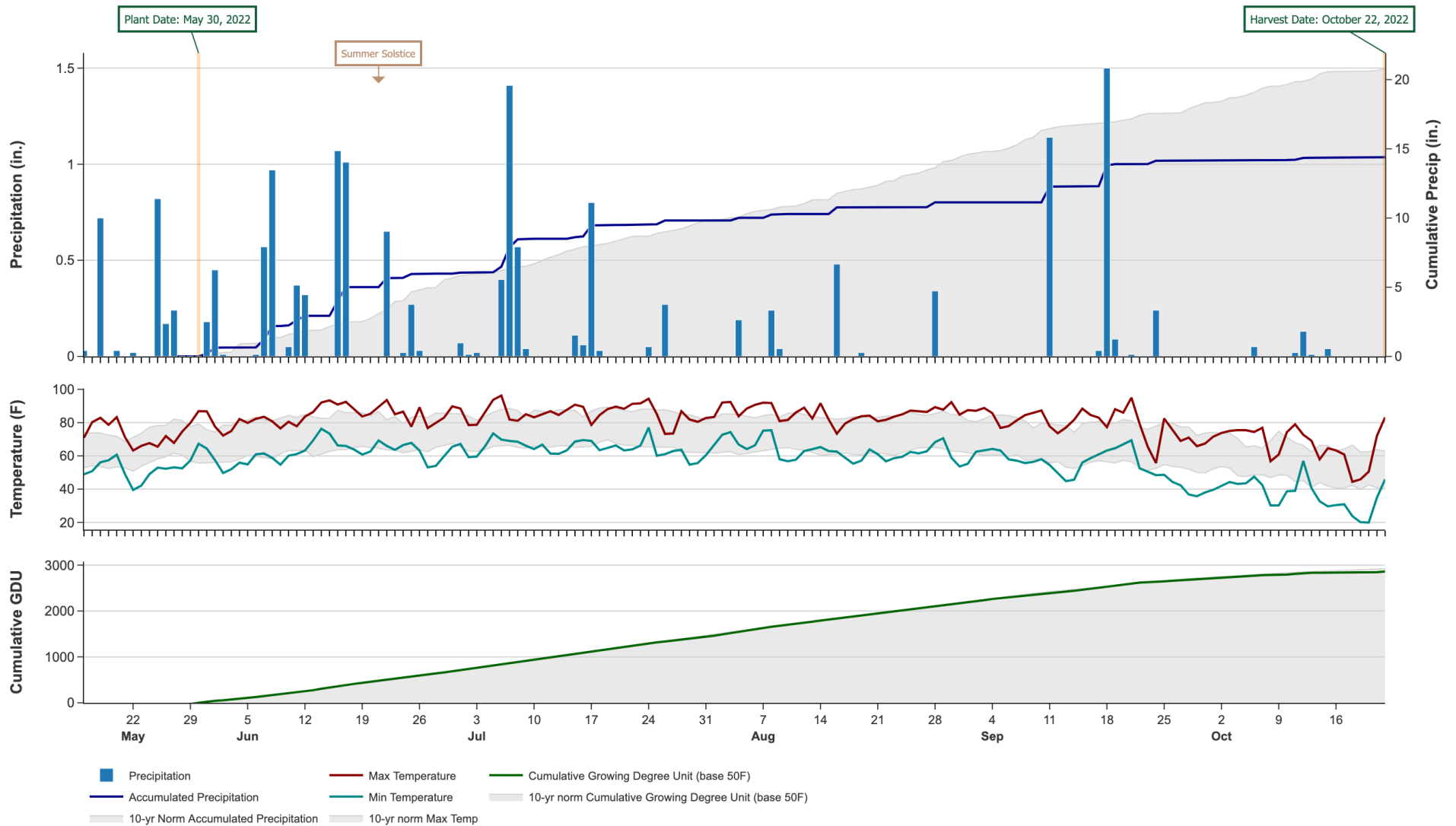
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2022 Soybeans - Missouri North [MONO]

Weather Conditions Summary at GREENTOP, MO

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.2 3.7 (-1.5)	5.8 5.6 (+0.2)	3.8 4.2 (-0.3)	1.3 4.5 (-3.2)	3.0 3.9 (-0.9)	0.2 2.5 (-2.2)	16.4 24.4 (-8.0)
GDU Normal (Diff)	235 248 (-13)	663 676 (-13)	747 781 (-34)	732 724 (+7)	529 530 (-1)	165 193 (-28)	3071 3153 (-82)



* 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 - Missouri North [MONO]

Early-Season Test Products (29 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG32XF2 §	RXF	R	3.2	ACi,IL
Asgrow	AG35XF1 §	RXF	R	3.5	ACi
DONMARIO	DM37E43S	E3,ST	R	3.7	CMBV
Dyna-Gro	S35XF72	RXF	R	3.5	EQV,Sa,Va
Dyna-Gro	S37ES52	E3,ST	R	3.7	EQV,Sa,Va
Dyna-Gro	S37XF33	RXF	MR	3.7	EQV,Sa,Va
FS HiSOY	HS 33E20	E3,ST	R	3.3	ACi,SA,B-200
FS HiSOY	HS 34F00	RXF	R	3.4	ACi,SA,B-200
FS HiSOY	HS 35E10	E3	R	3.5	ACi,SA,B-200
FS HiSOY	HS 35F20	RXF	R	3.5	ACi,SA,B-200
Golden Harvest	GH3762E3S §	E3,ST	MR	3.7	CMBV,SA
Hoegemeyer	3413 E	E3	R	3.4	Lum,Lu,IL
Hoegemeyer	3591 E	E3	R	3.5	Lum,Lu,IL
Lewis	3513XF	RXF	R	3.5	ACi
Lewis	3623XF	RXF	R	3.6	ACi
Lewis	3713XF	RXF	R	3.7	ACi
NK Brand	NK36-H9E3S §	E3,ST	R	3.6	CMBV,SA
NK Brand	NK37-V4E3S	E3,ST	MR	3.7	CMBV,SA
NuTech	34N02E	E3	R	3.4	Lum,Lu,IL
NuTech	35N03E	E3	R	3.5	Lum,Lu,IL
NuTech	37N01E	E3	R	3.7	Lum,Lu,IL
Pioneer	P32T26E §	E3	NA	3.2	NA
Pioneer	P37T33E §	E3	MR	3.7	NA
Pioneer	P38T76E CK	E3	NA	3.8	NA
Stine	32EE21 §	E3	R	3.2	SFI
Stine	34EA12 §	E3	R	3.4	SFI
Xitavo	XO 3341E	E3	R	3.3	PV,IL,OB,Rey
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB,Rey
Xitavo	XO 3752E	E3	R	3.7	PV,IL,OB,Rey

2022 Soybeans - Missouri North [MONO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV38V3E	E3	MR	3.8	F,I,SA
AgVenture	AV39Y3E	E3	MR	3.9	F,I,SA
AgVenture	AV41Y5E	E3	MR	4.1	F,I,SA
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi
DONMARIO	DM3932E	E3	R	3.9	CMBV
DONMARIO	DM41E73	E3	R	4.1	CMBV
DONMARIO	DM41F33S	RXF,ST	R	4.1	CMBV
Dyna-Gro	S38XF22S	RXF,ST	MR	3.8	EQV,Sa,Va
Dyna-Gro	S41EN72	E3	R	4.1	EQV,Sa,Va
FS HiSOY	HS 38E20	E3,ST	R	3.8	ACi,SA,B-200
FS HiSOY	HS 38F20	RXF	R	3.8	ACi,SA,B-200
FS HiSOY	HS 40F20	RXF	R	4.0	ACi,SA,B-200
FS HiSOY	HS 41E20	E3	R	4.1	ACi,SA,B-200
Golden Harvest	GH3902E3S	E3,ST	R	3.9	CMBV,SA
Golden Harvest	GH3913XF §	RXF	R	3.9	CMBV,SA
Golden Harvest	GH4093E3	E3	R	4.0	CMBV,SA
Hoegemeyer	3953 E	E3	R	3.9	Lum,Lu,IL
Hoegemeyer	4123 E	E3	R	4.1	Lum,Lu,IL
Lewis	3834XF	RXF	R	3.8	ACi
Lewis	3910XF	RXF	R	3.9	ACi
Lewis	4304XF	RXF	R	4.3	ACi
NK Brand	NK39-T5E3S	E3,ST	R	3.9	CMBV,SA
NK Brand	NK40-P5E3 §	E3	R	4.0	CMBV,SA
NuTech	39N04E	E3	R	3.9	Lum,Lu,IL
NuTech	39N07E	E3	R	3.9	Lum,Lu,IL
NuTech	40N02E	E3	R	4.0	Lum,Lu,IL
NuTech	43N04E	E3	R	4.3	Lum,Lu,IL
Pioneer	P38T76E CK	E3	NA	3.8	NA
Pioneer	P42A84E §	E3	R	4.2	NA
Stine	38EF32 §	E3	R	3.8	SFI
Stine	41EE62 §	E3	R	4.1	SFI
Xitavo	XO 3861E	E3	R	3.8	PV,IL,OB,Rey
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB,Rey
Xitavo	XO 4371E	E3	R	4.3	PV,IL,OB,Rey

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, Saltro®, B-200 SAT
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis
F,I,SA	Fungicide, Insecticide, Saltro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SFI	Stine XP F&I

* Seed treatments may include unspecified plant health promoting components.