

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

2022 Soybeans Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO
Dale & Kyle Samp, Randolph County, MO

Early-Season Test	Maturity Group 3.2 - 3.7 S2022MONO03a
Top 29 of 29	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicep li Magnum, Mustang Max, Callisto, Atrazine, Roundup
SOIL DESCRIPTION:	Mexico silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.7 pH, 3.5% OM, 11.4 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Prefix, Zidua, Liberty, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 14 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 23 130.9 /A

TEST COMMENTS:

Planted into a very uniform stale seedbed. Quick and even emergence followed. Well above average July rainfall helped pull this trial yield through a prevailing dry late summer weather pattern. It was a good-looking trial from the start. Pods filled out nicely with good seed size and only modest lodging from a handful of plots at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hoegemeyer	3591 E ↗	E3	3.5	R	67.6	8.6	1	129.7	929	1
NuTech	35N03E ↗	E3	3.5	R	66.6	8.7	1	131.7	916	2
NK Brand	NK36-H9E3S § ↗	E3,ST	3.6	R	66.2	8.5	1	141.0	910	3
Stine	34EA12 § ↗	E3	3.4	R	65.4	8.7	4	126.0	899	4
Hoegemeyer	3413 E ↗	E3	3.4	R	63.9	8.5	1	137.3	879	5
Dyna-Gro	S37ES52 ↗	E3,ST	3.7	R	63.5	8.6	2	135.7	873	6
Xitavo	XO 3651E ↗	E3	3.6	R	63.4	8.7	1	129.7	872	7
NuTech	34N02E ↗	E3	3.4	R	62.7	8.5	1	133.7	862	8
FS HISOY	HS 34F00 ↗	RXF	3.4	R	62.7	8.6	1	122.0	862	9
FS HISOY	HS 33E20 ↗	E3,ST	3.3	R	62.6	8.5	1	133.3	861	10
Lewis	3623XF ↗	RXF	3.6	R	62.5	8.5	1	124.0	859	11
Lewis	3513XF ↗	RXF	3.5	R	62.1	8.5	1	134.0	854	12
Dyna-Gro	S35XF72 ↗	RXF	3.5	R	62.1	8.5	1	122.0	854	13
Golden Harvest	GH3762E3S § ↗	E3,ST	3.7	MR	61.5	8.7	6	128.0	846	15
Asgrow	AG32XF2 § ↗	RXF	3.2	R	61.3	8.5	1	129.3	843	16
Xitavo	XO 3752E ↗	E3	3.7	R	61.1	8.6	3	131.7	840	17
DONMARIO	DM37E43S ↗	E3,ST	3.7	R	60.8	8.8	4	125.7	836	18
FS HISOY	HS 35E10 ↗	E3	3.5	R	60.7	8.5	1	133.7	835	19
Dyna-Gro	S37XF33 ↗	RXF	3.7	MR	60.7	8.6	3	131.7	835	20
Asgrow	AG35XF1 § ↗	RXF	3.5	R	60.6	8.5	4	131.7	833	21
Pioneer	P37T33E § ↗	E3	3.7	MR	60.4	8.6	2	131.7	830	22
NuTech	37N01E ↗	E3	3.7	R	60.2	8.7	1	131.7	828	23
Lewis	3713XF ↗	RXF	3.7	R	60.1	8.5	4	137.3	826	24
NK Brand	NK37-V4E3S ↗	E3,ST	3.7	MR	59.9	8.7	7	131.7	824	25
Stine	32EE21 § ↗	E3	3.2	R	59.7	8.6	1	141.3	821	26
Pioneer	P32T26E § ↗	E3	3.2	NA	59.2	8.6	1	131.7	814	27
FS HISOY	HS 35F20 ↗	RXF	3.5	R	58.0	8.6	14	122.0	798	28
Xitavo	XO 3341E ↗	E3	3.3	R	55.5	8.6	1	129.7	763	29
PIONEER	P38T76E CK	E3	3.8	NA	61.7	8.6	2	126.0	848	14

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Averages = **61.8** **8.6** **2** **130.9** **850**

LSD (0.10) = 2.7 0.1 4

LSD (0.25) = 1.4 0.1 2

C.V. = 4.1

Historic yield: 58.02 bu/a, 2 yr(s)

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] CAIRO, MO
Dale & Kyle Samp, Randolph County, MO

Full-Season Test	Maturity Group 3.8 - 4.3 S2022MONO03b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicep li Magnum, Mustang Max, Callisto, Atrazine, Roundup
SOIL DESCRIPTION:	Mexico silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.7 pH, 3.5% OM, 11.4 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Prefix, Zidua, Liberty, Roundup
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	Jun 14 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 23 128.7 /A

TEST COMMENTS:

Planted into a very uniform stale seedbed. Quick and even emergence followed. Well above average July rainfall helped pull this trial yield through a prevailing dry late summer weather pattern. It was a good-looking trial from the start. Pods filled out nicely with good seed size and only modest lodging from a handful of plots at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AgVenture	AV39Y3E ↗	E3	3.9	MR	67.5	8.7	4	126.0	928	1
Xitavo	XO 3861E ↗	E3	3.8	R	66.6	8.7	1	125.7	916	2
Dyna-Gro	S41EN72 ↗	E3	4.1	R	63.9	8.7	4	132.0	879	3
NK Brand	NK40-P5E3 § ↗	E3	4.0	R	63.7	8.7	2	120.0	876	4
FS HiSOY	HS 38E20 ↗	E3,ST	3.8	R	63.5	8.8	4	118.0	873	5
Xitavo	XO 3922E ↗	E3	3.9	R	63.3	8.8	3	139.3	870	6
Lewis	3910XF ↗	RXF	3.9	R	62.6	8.7	4	133.7	861	7
Stine	38EF32 § ↗	E3	3.8	R	62.3	8.8	7	135.3	857	8
Dyna-Gro	S38XF22S ↗	RXF,ST	3.8	MR	62.2	8.8	6	131.7	855	9
Golden Harvest	GH3913XF § ↗	RXF	3.9	R	62.2	8.7	1	133.7	855	10
DONMARIO	DM41F33S ↗	RXF,ST	4.1	R	61.9	8.7	5	139.0	851	11
FS HiSOY	HS 41E20 ↗	E3	4.1	R	61.8	8.8	9	130.0	850	12
Golden Harvest	GH4093E3 ↗	E3	4.0	R	61.7	8.8	2	128.0	848	13
Xitavo	XO 4371E ↗	E3	4.3	R	61.5	8.8	2	114.0	846	14
Xitavo	XO 4132E ↗	E3	4.1	R	61.5	8.7	4	120.0	846	15
NuTech	43N04E ↗	E3	4.3	R	61.0	8.8	12	130.0	839	16
NuTech	40N02E ↗	E3	4.0	R	60.9	8.7	4	133.7	837	17
NuTech	39N07E ↗	E3	3.9	R	60.9	8.7	1	124.0	837	18
AgVenture	AV41Y5E ↗	E3	4.1	MR	60.8	8.8	10	129.7	836	19
Pioneer	P42A84E § ↗	E3	4.2	R	60.7	8.8	4	129.7	835	20
FS HiSOY	HS 40F20 ↗	RXF	4.0	R	60.6	8.8	7	131.7	833	21
Hoegemeyer	4123 E ↗	E3	4.1	R	60.2	8.7	3	120.0	828	23
Golden Harvest	GH3902E3S ↗	E3,ST	3.9	R	59.9	8.8	6	122.0	824	24
Hoegemeyer	3953 E ↗	E3	3.9	R	59.6	8.7	2	135.3	820	25
Stine	41EE62 § ↗	E3	4.1	R	59.5	8.7	12	135.7	818	26
AgVenture	AV38V3E ↗	E3	3.8	MR	59.4	8.7	2	125.7	817	27
DONMARIO	DM3932E ↗	E3	3.9	R	59.4	8.7	1	135.7	817	28
NuTech	39N04E ↗	E3	3.9	R	59.1	8.8	1	124.0	813	29
DONMARIO	DM41E73 ↗	E3	4.1	R	58.6	8.9	5	130.0	806	30
Lewis	3834XF ↗	RXF	3.8	R	58.4	8.9	7	126.0	803	31
PIONEER	P38T76E CK	E3	3.8	NA	60.3	8.6	1	126.0	829	22
					Averages =	60.9	8.8	5	128.7	837
					LSD (0.10) =	2.5	0.1	ns		
					LSD (0.25) =	1.3	0.0	ns		
					C.V. =	3.9	Historic yield: 58.02 bu/a, 2 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

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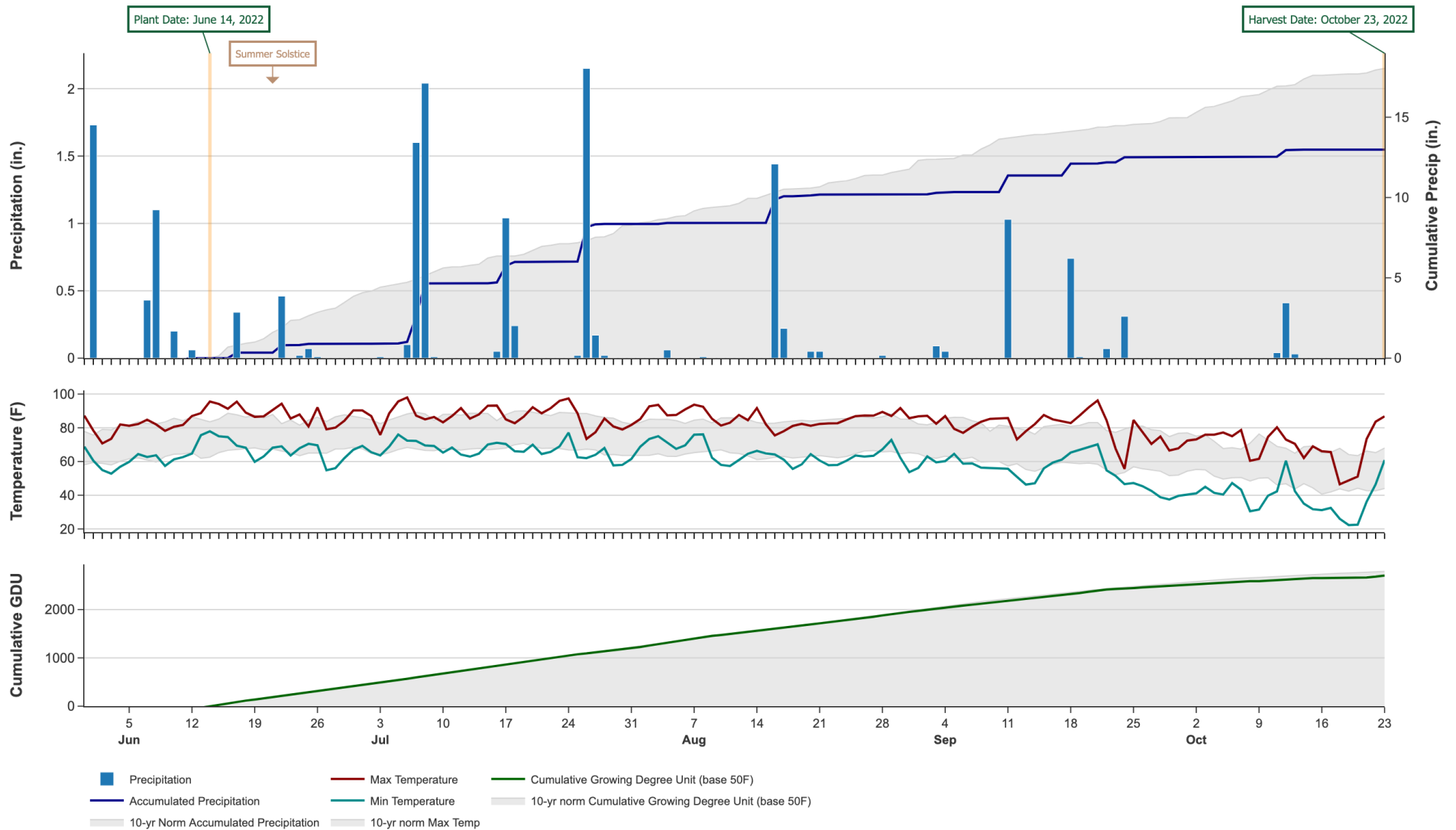
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2022 Soybeans - Missouri North [MONO]

Weather Conditions Summary at CAIRO, MO

Weather Data Retrieved: 10/25/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.0 0.1 (-0.1)	4.4 5.3 (-0.9)	7.5 4.4 (+3.0)	1.9 3.5 (-1.6)	2.3 3.2 (-0.9)	0.5 3.1 (-2.6)	16.5 19.6 (-3.1)
GDU Normal (Diff)	27 17 (+9)	711 719 (-8)	792 811 (-19)	753 755 (-2)	548 582 (-34)	205 227 (-22)	3036 3114 (-78)



* 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.