

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

2022 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] SWEET SPRINGS, MO
Bruce Strobel, Johnson County, MO 64020

Early-Season Test	Maturity Group 3.4 - 3.9 S2022MOCE01a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Atrazine, Mustang Max, Stalwart 3w, Autumn Super
SOIL DESCRIPTION:	Haig silt loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 7.3 pH, 3.1% OM, 13.4 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Anthem Maxx, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 19 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 1 128.1 /A

TEST COMMENTS:

This site received less than half of the normal rain for the year (10.2 in. of 20.6 in. 10-year average). It was an uphill battle for full yield potential. The largest daily rainfall event came through on October 24, much too late for the crop to utilize. When you take that into account, prior to October 24th, this crop had only about 7.7" of rainfall. This is a good look at differences in yield potential on a dry-year, clean and uniform Missouri site.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Midland Genetics	39E83 ↗	E3,ST	3.9	MR	51.6	10.4	1	133.7	710	1
Midland Genetics	38X63 ↗	RXF,ST	3.7	MR	50.9	10.0	1	130.0	700	2
Asgrow	AG39XF3 § ↗	RXF	3.9	R	48.4	10.2	1	126.0	666	4
DONMARIO	DM3932E ↗	E3	3.9	R	47.0	10.1	1	133.3	646	5
Dyna-Gro	S38XF22S ↗	RXF,ST	3.8	MR	46.1	10.2	1	125.7	634	6
NuTech	34N02E ↗	E3	3.4	R	45.9	9.7	1	125.7	631	7
Pioneer	P38T76E § ↗	E3	3.8	NA	45.9	10.2	1	133.7	631	8
Lewis	3834XF ↗	RXF	3.8	R	45.9	10.3	1	135.7	631	9
Pioneer	P37T33E § ↗	E3	3.7	MR	45.8	10.4	1	127.7	630	10
NuTech	35N03E ↗	E3	3.5	R	45.8	10.1	1	125.7	630	11
Dyna-Gro	S37XF33 ↗	RXF	3.7	MR	45.2	10.3	1	124.0	622	12
Stine	38EF32 § ↗	E3	3.8	R	45.2	10.1	1	135.7	622	13
NuTech	37N01E ↗	E3	3.7	R	45.0	10.2	1	124.0	619	14
Xitavo	XO 3861E ↗	E3	3.8	R	45.0	9.7	1	120.0	619	15
Golden Harvest	GH3762E3S § ↗	E3,ST	3.7	MR	45.0	10.3	1	127.7	619	16
AgVenture	AV38V3E ↗	E3	3.8	MR	44.5	10.0	1	126.0	612	17
FS HiSOY	HS 38F20 ↗	RXF	3.8	R	44.3	10.0	1	122.0	609	18
Dyna-Gro	S37ES52 ↗	E3,ST	3.7	R	43.9	10.3	1	135.3	604	19
Midland Genetics	3742 E3S ↗	E3,ST	3.7	R	43.5	10.2	1	129.7	598	20
FS HiSOY	HS 37E10 ↗	E3,ST	3.7	R	43.2	10.4	1	129.7	594	21
FS HiSOY	HS 38E20 ↗	E3,ST	3.8	R	43.2	10.4	1	135.7	594	22
Golden Harvest	GH3902E3S ↗	E3,ST	3.9	R	43.2	10.3	1	125.7	594	23
Burrus	3886F ↗	RXF	3.8	R	42.8	9.6	1	116.0	588	24
Lewis	3623XF ↗	RXF	3.6	R	42.4	9.5	1	129.7	583	25
Asgrow	AG35XF1 § ↗	RXF	3.5	R	42.2	9.8	1	131.7	580	26
DONMARIO	DM37E43S ↗	E3,ST	3.7	R	42.0	10.0	1	129.7	578	27
Xitavo	XO 3651E ↗	E3	3.6	R	41.8	9.9	1	133.7	575	28
NuTech	39N07E ↗	E3	3.9	R	41.4	9.2	1	127.7	569	29
Midland Genetics	3522XF ↗	RXF	3.5	MR	41.2	9.8	1	129.7	566	30
NK Brand	NK38-D2E3S ↗	E3,ST	3.8	R	41.2	9.9	1	122.3	566	31
PIONEER	P42A84E CK	E3	4.2	R	50.3	10.2	1	137.7	692	3
					Averages =	44.2	10.0	1	128.1	608
					LSD (0.10) =	4.0	0.3	ns		
					LSD (0.25) =	2.1	0.2	ns		
					C.V. =	8.6				
									Historic yield: 58.54 bu/a, 3 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: 11/03/2022

† 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 4.0 - 4.5 S2022MOCE01b
Top 30 of 32	For Gross Income (Sorted by Yield) Average of (3) Replications
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TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Anthem Maxx, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 19 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 1 129.0 /A

TEST COMMENTS:

This site received less than half of the normal rain for the year (10.2 in. of 20.6 in. 10-year average). It was an uphill battle for full yield potential. The largest daily rainfall event came through on October 24, much too late for the crop to utilize. When you take that into account, prior to October 24th, this crop had only about 7.7" of rainfall. This is a good look at differences in yield potential on a dry-year, clean and uniform Missouri site.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH4155E3 ↗	E3	4.1	MR	51.0	9.6	1	116.0	701	2
Midland Genetics	4082E3 ↗	E3	4.0	R	50.9	9.4	1	136.5	700	3
AgVenture	AV41Y5E ↗	E3	4.1	MR	50.2	8.9	1	125.7	690	4
Lewis	4304XF ↗	RXF	4.3	R	49.8	9.5	1	135.7	685	5
Lewis	4035XF ↗	RXF	4.0	R	49.2	9.7	1	135.7	676	6
FS HiSOY	HS 42F10 ↗	RXF	4.2	R	48.5	9.6	1	133.7	667	7
Golden Harvest	GH4093E3 § ↗	E3	4.0	R	48.5	9.5	1	122.0	667	8
Xitavo	XO 4132E ↗	E3	4.1	R	48.4	9.5	1	129.7	666	9
Stine	41EE62 § ↗	E3	4.1	R	48.3	9.4	1	127.7	664	10
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	48.2	9.7	1	135.7	663	11
Midland Genetics	4422XF ↗	RXF	4.4	MR	48.1	9.7	1	116.3	661	12
DONMARIO	DM41F33S ↗	RXF,ST	4.1	R	48.1	9.4	1	135.7	661	13
DONMARIO	DM41E73 ↗	E3	4.1	R	47.9	9.8	1	128.0	659	14
NuTech	43N04E ↗	E3	4.3	R	47.9	9.5	1	128.0	659	15
Dyna-Gro	S42XF93S ↗	RXF,ST	4.2	MR	47.5	9.8	1	130.0	653	16
Asgrow	AG45XF3 § ↗	RXF,ST	4.5	R	47.5	9.8	1	131.7	653	17
Dyna-Gro	S41EN72 ↗	E3	4.1	R	47.2	9.5	1	133.7	649	18
NuTech	40N02E ↗	E3	4.0	R	46.4	8.6	1	131.7	638	19
NK Brand	NK43-P7E3S § ↗	E3,ST	4.3	R	46.4	8.9	1	125.7	638	20
FS HiSOY	HS 43E20 ↗	E3	4.3	R	46.3	9.7	1	125.7	637	21
FS HiSOY	HS 41E20 ↗	E3	4.1	R	45.9	9.5	1	126.0	631	22
Lewis	4211XF ↗	RXF,ST	4.2	R	45.8	9.1	1	132.0	630	23
Lewis	4533XF ↗	RXF	4.5	R	45.6	9.8	1	122.0	627	24
Xitavo	XO 4522E ↗	E3	4.5	R	45.1	9.6	1	135.3	620	25
AgVenture	AV43V6E ↗	E3	4.3	MR	44.6	9.5	1	133.7	613	26
Xitavo	XO 4371E ↗	E3	4.3	R	44.3	9.3	1	116.3	609	27
Stine	44EE20 § ↗	E3	4.4	R	44.1	9.7	1	131.7	606	28
Midland Genetics	4260E3S ↗	E3,ST	4.2	MR	43.9	9.8	1	125.7	604	29
NuTech	45N09E ↗	E3	4.5	R	43.5	9.2	1	129.7	598	30
FS HiSOY	HS 44F20 ↗	RXF	4.4	R	42.7	9.6	1	135.3	587	31
PIONEER	P42A84E CK	E3	4.2	R	51.9	9.6	1	128.0	714	1
					Averages =	47.0	9.5	1	129.0	647
					LSD (0.10) =	3.2	0.2	ns		
					LSD (0.25) =	1.7	0.1	ns		
					C.V. =	6.4	Historic yield: 58.54 bu/a, 3 yr(s)			

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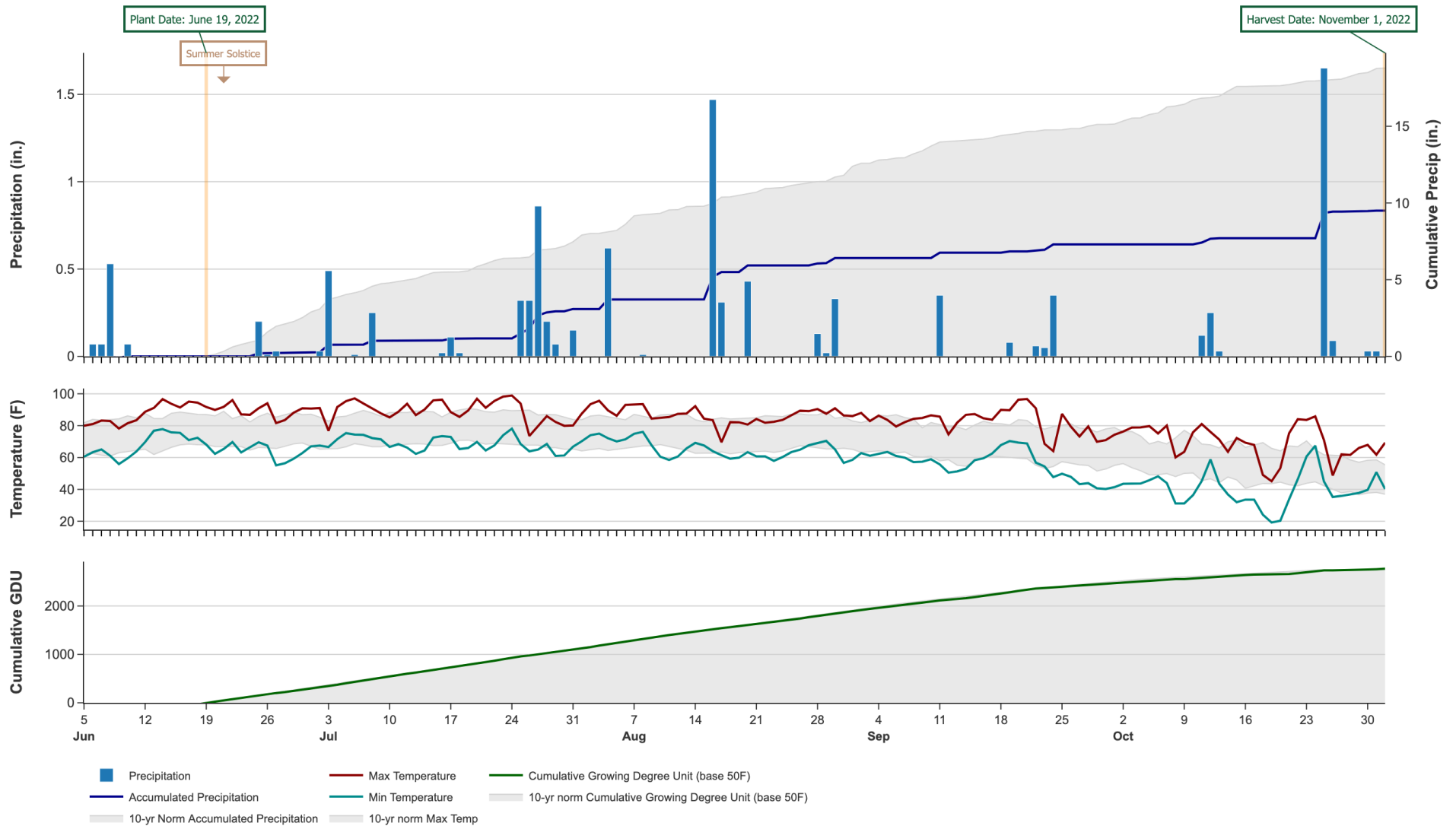
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2022 Soybeans - Missouri Central [MOCE]

Weather Conditions Summary at SWEET SPRINGS, MO

Weather Data Retrieved: 11/03/2022

Monthly Total	Jun*	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	1.0 4.3 (-3.3)	2.9 4.9 (-2.1)	3.3 4.3 (-1.0)	0.9 3.3 (-2.4)	2.2 3.6 (-1.4)	0.0 0.0 (-0.0)	10.2 20.6 (-10.3)
GDU Normal (Diff)	656 657 (-1)	824 827 (-3)	778 778 (0)	588 598 (-10)	302 260 (+41)	10 0 (+10)	3158 3123 (+34)



* 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 Central [MOCE]

Early-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
Asgrow	AG35XF1 §	RXF	R	3.5	ACi
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Burrus	3886F	RXF	R	3.8	NA
DONMARIO	DM37E43S	E3,ST	R	3.7	CMBV
DONMARIO	DM3932E	E3	R	3.9	CMBV
Dyna-Gro	S37ES52	E3,ST	R	3.7	EQV,Sa,Va
Dyna-Gro	S37XF33	RXF	MR	3.7	EQV,Sa,Va
Dyna-Gro	S38XF22S	RXF,ST	MR	3.8	EQV,Sa,Va
FS HiSOY	HS 37E10	E3,ST	R	3.7	ACi,SA,B-200
FS HiSOY	HS 37F00	RXF	R	3.7	ACi,SA,B-200
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
Golden Harvest	GH3762E3S §	E3,ST	MR	3.7	CMBV,SA
Golden Harvest	GH3902E3S	E3,ST	R	3.9	CMBV,SA
Lewis	3623XF	RXF	R	3.6	ACi
Lewis	3834XF	RXF	R	3.8	ACi
Lewis	3910XF	RXF	R	3.9	ACi
Midland Genetics	3522XF	RXF	MR	3.5	Edge-SST
Midland Genetics	3742 E3S	E3,ST	R	3.7	Edge-SST
Midland Genetics	38X63	RXF,ST	MR	3.7	Edge-SST
Midland Genetics	39E83	E3,ST	MR	3.9	Edge-SST
NK Brand	NK38-D2E3S	E3,ST	R	3.8	NA
NK Brand	NK39-T5E3S	E3,ST	R	3.9	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
NuTech	39N07E	E3	R	3.9	Lum,Lu,IL
Pioneer	P37T33E §	E3	MR	3.7	NA
Pioneer	P38T76E §	E3	NA	3.8	NA
Pioneer	P42A84E CK	E3	R	4.2	NA
Stine	38EF32 §	E3	R	3.8	SFI
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB,Rey
Xitavo	XO 3752E	E3	R	3.7	PV,IL,OB,Rey
Xitavo	XO 3861E	E3	R	3.8	PV,IL,OB,Rey

2022 Soybeans - Missouri Central [MOCE]

Full-Season Test Products (32 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV41Y5E	E3	MR	4.1	F,I,SA
AgVenture	AV43V6E	E3	MR	4.3	F,I,SA
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi
Asgrow	AG45XF3 §	RXF,ST	R	4.5	ACi,IL
DONMARIO	DM41E73	E3	R	4.1	CMBV
DONMARIO	DM41F33S	RXF,ST	R	4.1	CMBV
Dyna-Gro	S41EN72	E3	R	4.1	EQV,Sa,Va
Dyna-Gro	S42XF93S	RXF,ST	MR	4.2	EQV,Sa,Va
FS HiSOY	HS 41E20	E3	R	4.1	ACi,SA,B-200
FS HiSOY	HS 42F10	RXF	R	4.2	ACi,SA,B-200
FS HiSOY	HS 43E20	E3	R	4.3	ACi,SA,B-200
FS HiSOY	HS 44F20	RXF	R	4.4	ACi,SA,B-200
Golden Harvest	GH4093E3 §	E3	R	4.0	CMBV,SA
Golden Harvest	GH4155E3	E3	MR	4.1	CMBV,SA
Lewis	4035XF	RXF	R	4.0	NA
Lewis	4211XF	RXF,ST	R	4.2	ACi
Lewis	4304XF	RXF	R	4.3	ACi
Lewis	4533XF	RXF	R	4.5	ACi
Midland Genetics	4082E3	E3	R	4.0	Edge-SST
Midland Genetics	4260E3S	E3,ST	MR	4.2	Edge-SST
Midland Genetics	4422XF	RXF	MR	4.4	Edge-SST
NK Brand	NK40-P5E3	E3	R	4.0	CMBV,SA
NK Brand	NK43-P7E3S §	E3,ST	R	4.3	CMBV,SA
NuTech	40N02E	E3	R	4.0	Lum,Lu,IL
NuTech	43N04E	E3	R	4.3	Lum,Lu,IL
NuTech	45N09E	E3	R	4.5	Lum,Lu,IL
Pioneer	P42A84E CK	E3	R	4.2	NA
Stine	41EE62 §	E3	R	4.1	SFI
Stine	44EE20 §	E3	R	4.4	SFI
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB,Rey
Xitavo	XO 4371E	E3	R	4.3	PV,IL,OB,Rey
Xitavo	XO 4522E	E3	R	4.5	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, Salto®, B-200 SAT
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Salto®
Edge-SST	Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®, Optimize®, Salto® (Midland Genetics)
EQV,Sa,Va	Equity VIP, Salto®, Vayantis
F,I,SA	Fungicide, Insecticide, Salto®
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.