

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

2022 Soybeans Top 30 Harvest Report

Missouri North [MONO] ST. JOSEPH, MO
Jeff Gaskill, Buchanan County, MO 64098

Early-Season Test	Maturity Group 3.2 - 3.7 S2022MONO01a
Top 29 of 29	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Fulltime Nxt, Armezon, Atrazine
SOIL DESCRIPTION:	Waldron silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	very high P, very high K, 7.7 pH, 3.4% OM, 23.1 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Outlook, Zidua, Roundup, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 29 129.4 /A

TEST COMMENTS:

May 12th was the first day FIRST soybean trials went in the ground. The Gaskills accommodated final tillage on the plot area ahead of planned planting for the surrounding field. There was somewhat below-average precipitation this season, yet rainfall was evenly spread out. Very good yields for this North Missouri river bottom trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH3762E3S § ↗	E3,ST	3.7	MR	82.2	10.3	12	127.7	1130	1
Xitavo	XO 3341E ↗	E3	3.3	R	80.3	10.1	6	135.3	1104	2
NK Brand	NK37-V4E3S ↗	E3,ST	3.7	MR	80.2	10.2	7	137.7	1103	3
FS HiSOY	HS 33E20 ↗	E3,ST	3.3	R	79.0	9.7	6	130.0	1086	4
Dyna-Gro	S37XF33 ↗	RXF	3.7	MR	78.0	9.8	6	131.7	1072	5
Hoegemeyer	3413 E ↗	E3	3.4	R	78.0	9.9	11	122.3	1072	6
Lewis	3513XF ↗	RXF	3.5	R	77.8	10.1	1	125.7	1070	7
NuTech	37N01E ↗	E3	3.7	R	76.2	10.2	6	119.7	1048	8
Asgrow	AG35XF1 § ↗	RXF	3.5	R	75.6	9.7	2	129.7	1040	9
Pioneer	P37T33E § ↗	E3	3.7	MR	75.2	10.2	6	133.3	1034	10
Asgrow	AG32XF2 § ↗	RXF	3.2	R	75.2	10.1	1	125.7	1034	11
Dyna-Gro	S37ES52 ↗	E3,ST	3.7	R	75.2	9.9	10	126.0	1034	12
Xitavo	XO 3651E ↗	E3	3.6	R	74.9	9.9	3	126.0	1030	13
NuTech	35N03E ↗	E3	3.5	R	74.7	10.1	2	128.0	1027	14
Xitavo	XO 3752E ↗	E3	3.7	R	74.6	9.8	14	133.3	1026	15
Stine	32EE21 § ↗	E3	3.2	R	74.6	9.8	20	131.7	1026	16
Dyna-Gro	S35XF72 ↗	RXF	3.5	R	73.8	9.9	1	133.7	1015	18
Hoegemeyer	3591 E ↗	E3	3.5	R	73.3	10.3	1	129.7	1008	19
Lewis	3623XF ↗	RXF	3.6	R	72.9	9.9	1	126.0	1002	20
FS HiSOY	HS 34F00 ↗	RXF	3.4	R	72.5	9.9	1	129.7	997	21
Stine	34EA12 § ↗	E3	3.4	R	72.4	10.4	4	135.7	996	22
NuTech	34N02E ↗	E3	3.4	R	71.7	10.0	14	129.7	986	23
DONMARIO	DM37E43S ↗	E3,ST	3.7	R	69.2	9.8	11	126.0	952	24
Pioneer	P32T26E § ↗	E3	3.2	NA	69.1	10.6	17	130.0	950	25
Lewis	3713XF ↗	RXF	3.7	R	69.0	9.5	8	135.3	949	26
NK Brand	NK36-H9E3S § ↗	E3,ST	3.6	R	67.8	10.0	10	129.7	932	27
FS HiSOY	HS 35F20 ↗	RXF	3.5	R	62.4	10.1	14	127.7	858	28
FS HiSOY	HS 35E10 ↗	E3	3.5	R	61.6	10.3	10	125.7	847	29
PIONEER	P38T76E CK	E3	3.8	NA	74.0	10.0	10	130.0	1018	17

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Averages = **73.8** **10.0** **7** **129.4** **1015**

LSD (0.10) = 5.5 0.3 6

LSD (0.25) = 2.9 0.2 3

C.V. = 7.1

Historic yield: 53.97 bu/a, 4 yr(s)

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

Report Date: 11/09/2022

† 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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Missouri North [MONO] ST. JOSEPH, MO
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Full-Season Test	Maturity Group 3.8 - 4.3 S2022MONO01b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Fulltime Nxt, Armezon, Atrazine
SOIL DESCRIPTION:	Waldron silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	very high P, very high K, 7.7 pH, 3.4% OM, 23.1 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Outlook, Zidua, Roundup, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 29 129.6 /A

TEST COMMENTS:

May 12th was the first day FIRST soybean trials went in the ground. The Gaskills accommodated final tillage on the plot area ahead of planned planting for the surrounding field. There was somewhat below-average precipitation this season, yet rainfall was evenly spread out. Very good yields for this North Missouri river bottom trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH3902E3S ↗	E3,ST	3.9	R	86.7	9.7	15	130.0	1192	1
Lewis	3834XF ↗	RXF	3.8	R	83.8	9.8	7	133.7	1152	2
Golden Harvest	GH3913XF § ↗	RXF	3.9	R	83.8	9.4	4	124.0	1152	3
Golden Harvest	GH4093E3 ↗	E3	4.0	R	81.5	9.4	4	129.7	1121	4
FS HiSOY	HS 38E20 ↗	E3,ST	3.8	R	81.4	9.7	22	123.7	1119	5
FS HiSOY	HS 38F20 ↗	RXF	3.8	R	81.1	9.7	13	133.7	1115	6
FS HiSOY	HS 40F20 ↗	RXF	4.0	R	80.6	9.6	3	130.0	1108	7
Pioneer	P42A84E § ↗	E3	4.2	R	80.1	9.6	3	128.0	1101	8
NuTech	40N02E ↗	E3	4.0	R	80.0	9.6	29	122.0	1100	9
Dyna-Gro	S38XF22S ↗	RXF,ST	3.8	MR	79.7	9.7	5	133.3	1096	10
Lewis	4304XF ↗	RXF	4.3	R	79.5	9.7	4	126.0	1093	11
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	79.3	9.8	7	131.7	1090	12
AgVenture	AV39Y3E ↗	E3	3.9	MR	79.0	9.6	5	129.7	1086	13
Xitavo	XO 3861E ↗	E3	3.8	R	78.7	9.5	1	126.0	1082	14
FS HiSOY	HS 41E20 ↗	E3	4.1	R	78.6	9.8	7	123.7	1081	15
DONMARIO	DM41F33S ↗	RXF,ST	4.1	R	78.2	9.6	12	133.7	1075	16
NK Brand	NK39-T5E3S ↗	E3,ST	3.9	R	77.5	10.2	17	122.0	1066	17
Stine	38EF32 § ↗	E3	3.8	R	77.4	9.5	19	131.3	1064	18
NK Brand	NK40-P5E3 § ↗	E3	4.0	R	77.1	9.6	7	127.7	1060	19
Hoegemeyer	3953 E ↗	E3	3.9	R	76.5	9.6	2	129.3	1052	20
Asgrow	AG39XF3 § ↗	RXF	3.9	R	76.5	9.9	10	127.7	1052	21
NuTech	39N04E ↗	E3	3.9	R	76.4	9.8	16	133.7	1050	22
DONMARIO	DM41E73 ↗	E3	4.1	R	76.2	9.9	5	135.3	1048	23
Dyna-Gro	S41EN72 ↗	E3	4.1	R	76.0	9.7	15	121.7	1045	24
AgVenture	AV41Y5E ↗	E3	4.1	MR	75.8	9.7	40	131.7	1042	25
Stine	41EE62 § ↗	E3	4.1	R	75.8	9.7	7	127.7	1042	26
NuTech	39N07E ↗	E3	3.9	R	75.3	9.5	5	137.3	1035	27
NuTech	43N04E ↗	E3	4.3	R	74.8	9.6	14	130.0	1028	28
Xitavo	XO 4132E ↗	E3	4.1	R	73.6	9.7	12	120.0	1012	29
Lewis	3910XF ↗	RXF	3.9	R	73.4	9.4	1	139.3	1009	30
PIONEER	P38T76E CK	E3	3.8	NA	71.8	9.6	18	133.7	987	33
					Averages =	77.2	9.7	11	129.6	1062
					LSD (0.10) =	4.7	ns	6		
					LSD (0.25) =	2.5	ns	3		
					C.V. =	5.8				
					Historic yield: 53.97 bu/a, 4 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: 11/09/2022

† 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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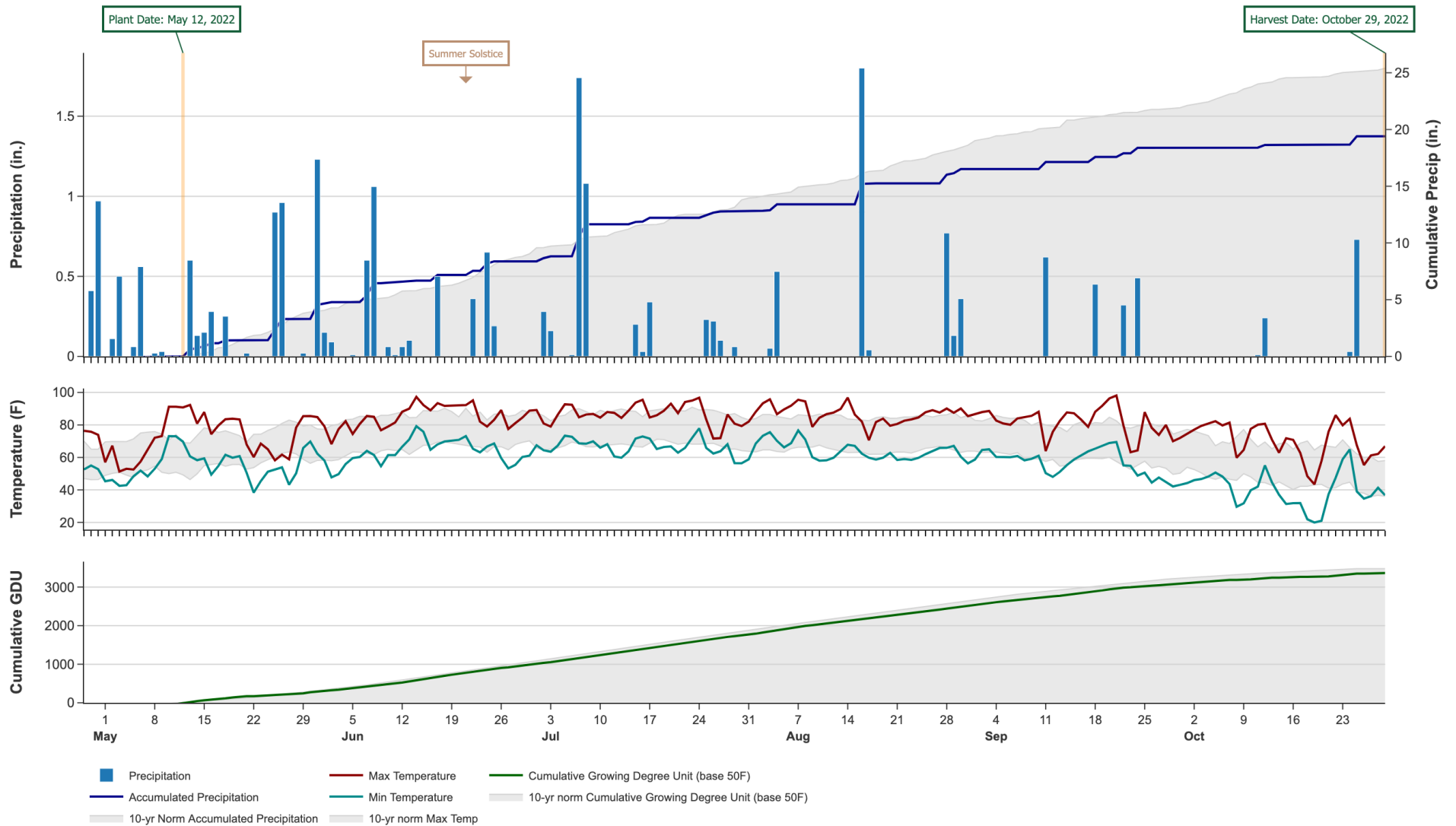
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2022 Soybeans - Missouri North [MONO]

Weather Conditions Summary at ST. JOSEPH, MO

Weather Data Retrieved: 11/09/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.4 0.5 (+0.8)	5.8 5.8 (-0.0)	3.8 5.0 (-1.2)	4.5 4.9 (-0.5)	3.7 4.7 (-1.0)	1.9 3.3 (-1.4)	1.0 3.5 (-2.5)	22.1 27.8 (-5.7)
GDU Normal (Diff)	43 25 (+17)	437 452 (-15)	687 746 (-59)	780 822 (-42)	748 763 (-15)	570 581 (-11)	279 245 (+33)	3544 3638 (-94)



* 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, Saltró®, B-200 SAT
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltró®
EQV,Sa,Va	Equity VIP, Saltró®, Vayantis
F,I,SA	Fungicide, Insecticide, Saltró®
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.