

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

2022 Soybeans Top 30 Harvest Report

Missouri North [MONO] TRENTON, MO
Carl Woodard, Grundy County, MO

Early-Season Test	Maturity Group 3.2 - 3.7 S2022MONO02a
Top 29 of 29	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, Rye Cover Crop / Glyphosate, Verdict, Callisto, Dual
SOIL DESCRIPTION:	Grundy silt loam, moderately drained, non-irrigated
SOIL CONDITION:	medium P, very high K, 6.4 pH, 5.9% OM, 15.8 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Roundup, Dual, Interline, Select, Priaxor, Bifen It
FERTILITY - Applied N:	5 ton per acre feedlot manure Fall 2021
Applied N-P-K (units):	0-0-60
SEEDED - RATE - ROW:	May 12 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 28 117.1 /A

TEST COMMENTS:

Quick warm up in Mid-May opened a window for planting. No-tilled green into a waist-high rye cover crop. Season rainfall was a tad behind normal, yet it proved enough and was nicely spread out. August 16th received the largest rain event (just under 3"). The results of the timely and favorable planting conditions and beneficial rainfall were clear. A very good trial with healthy yields at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 3752E ↗	E3	3.7	R	80.3	10.0	16	120.0	1104	1
Hoegemeyer	3591 E ↗	E3	3.5	R	79.3	10.3	6	118.0	1090	2
NuTech	35N03E ↗	E3	3.5	R	78.1	10.3	8	110.3	1074	3
NK Brand	NK37-V4E3S ↗	E3,ST	3.7	MR	77.9	10.4	18	127.7	1071	4
Asgrow	AG35XF1 § ↗	RXF	3.5	R	77.3	10.3	9	122.0	1063	5
Hoegemeyer	3413 E ↗	E3	3.4	R	77.2	10.2	10	114.3	1062	6
Golden Harvest	GH3762E3S § ↗	E3,ST	3.7	MR	77.2	10.3	26	120.0	1062	7
Dyna-Gro	S35XF72 ↗	RXF	3.5	R	76.8	10.4	3	122.0	1056	8
FS HISOY	HS 33E20 ↗	E3,ST	3.3	R	75.7	10.3	22	116.3	1041	9
FS HISOY	HS 34F00 ↗	RXF	3.4	R	75.6	9.9	3	122.0	1040	10
Pioneer	P37T33E § ↗	E3	3.7	MR	75.3	10.6	10	110.3	1035	11
Dyna-Gro	S37ES52 ↗	E3,ST	3.7	R	74.8	10.2	13	114.0	1028	12
NK Brand	NK36-H9E3S § ↗	E3,ST	3.6	R	74.4	10.0	17	110.7	1023	13
NuTech	34N02E ↗	E3	3.4	R	74.0	10.2	11	128.0	1018	14
Stine	34EA12 § ↗	E3	3.4	R	74.0	10.4	9	110.3	1018	15
Dyna-Gro	S37XF33 ↗	RXF	3.7	MR	74.0	10.2	14	112.7	1018	16
Xitavo	XO 3651E ↗	E3	3.6	R	73.8	10.0	2	116.3	1015	17
FS HISOY	HS 35F20 ↗	RXF	3.5	R	72.8	9.9	14	120.0	1001	18
Lewis	3713XF ↗	RXF	3.7	R	72.7	9.9	22	116.3	1000	19
Lewis	3513XF ↗	RXF	3.5	R	72.7	10.1	6	116.0	1000	20
NuTech	37N01E ↗	E3	3.7	R	72.3	10.4	13	114.0	994	21
FS HISOY	HS 35E10 ↗	E3	3.5	R	70.8	10.1	18	118.0	974	22
DONMARIO	DM37E43S ↗	E3,ST	3.7	R	69.9	10.0	15	116.0	961	23
Lewis	3623XF ↗	RXF	3.6	R	69.6	10.2	6	122.0	957	24
Xitavo	XO 3341E ↗	E3	3.3	R	69.1	10.4	14	114.3	950	25
Stine	32EE21 § ↗	E3	3.2	R	68.4	10.3	27	126.0	941	26
Pioneer	P32T26E § ↗	E3	3.2	NA	68.0	10.2	20	106.7	935	27
Asgrow	AG32XF2 § ↗	RXF	3.2	R	65.3	10.3	14	118.0	898	29
PIONEER	P38T76E CK	E3	3.8	NA	67.9	10.1	17	112.3	934	28
					Averages =	73.6	10.2	13	117.1	1013
					LSD (0.10) =	4.0	0.2	8		
					LSD (0.25) =	2.1	0.1	4		
					C.V. =	5.2				
					Historic yield: new site					

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

Report Date: 11/08/2022

† 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] TRENTON, MO
Carl Woodard, Grundy County, MO

Full-Season Test	Maturity Group 3.8 - 4.3 S2022MONO02b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, Rye Cover Crop / Glyphosate, Verdict, Callisto, Dual
SOIL DESCRIPTION:	Grundy silt loam, moderately drained, non-irrigated
SOIL CONDITION:	medium P, very high K, 6.4 pH, 5.9% OM, 15.8 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Roundup, Dual, Interline, Select, Priaxor, Bifen It
FERTILITY - Applied N:	5 ton per acre feedlot manure Fall 2021
Applied N-P-K (units):	0-0-60
SEEDED - RATE - ROW:	May 12 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 28 117.5 /A

TEST COMMENTS:

Quick warm up in Mid-May opened a window for planting. No-tilled green into a waist-high rye cover crop. Season rainfall was a tad behind normal, yet it proved enough and was nicely spread out. August 16th received the largest rain event (just under 3"). The results of the timely and favorable planting conditions and beneficial rainfall were clear. A very good trial with healthy yields at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH4093E3 ↗	E3	4.0	R	83.2	9.7	4	118.0	1144	1
NK Brand	NK40-P5E3 § ↗	E3	4.0	R	83.2	9.8	3	108.3	1144	2
Dyna-Gro	S38XF22S ↗	RXF,ST	3.8	MR	82.8	9.8	10	104.7	1138	3
Golden Harvest	GH3913XF § ↗	RXF	3.9	R	80.7	9.7	4	116.3	1110	4
Hoegemeyer	3953 E ↗	E3	3.9	R	80.7	9.8	10	116.3	1110	5
FS HiSOY	HS 40F20 ↗	RXF	4.0	R	80.4	9.8	2	120.0	1106	6
Xitavo	XO 3861E ↗	E3	3.8	R	79.2	9.7	5	116.0	1089	7
Asgrow	AG39XF3 § ↗	RXF	3.9	R	78.0	10.1	14	114.3	1072	8
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	77.8	10.3	14	122.0	1070	9
FS HiSOY	HS 38E20 ↗	E3,ST	3.8	R	77.5	10.0	22	122.0	1066	10
Pioneer	P42A84E § ↗	E3	4.2	R	77.2	9.8	5	127.7	1062	11
Stine	38EF32 § ↗	E3	3.8	R	77.1	10.1	16	123.7	1060	12
Golden Harvest	GH3902E3S ↗	E3,ST	3.9	R	76.9	10.1	17	124.0	1057	13
NuTech	39N07E ↗	E3	3.9	R	76.8	10.0	13	122.0	1056	14
Xitavo	XO 3922E ↗	E3	3.9	R	76.5	10.1	15	114.3	1052	15
FS HiSOY	HS 38F20 ↗	RXF	3.8	R	76.3	9.8	5	120.0	1049	16
AgVenture	AV41Y5E ↗	E3	4.1	MR	76.0	9.6	10	108.3	1045	17
Hoegemeyer	4123 E ↗	E3	4.1	R	76.0	9.7	10	114.3	1045	18
AgVenture	AV39Y3E ↗	E3	3.9	MR	74.8	10.0	22	124.0	1028	19
NK Brand	NK39-T5E3S ↗	E3,ST	3.9	R	74.2	10.3	14	112.3	1020	20
Xitavo	XO 4132E ↗	E3	4.1	R	73.4	10.1	23	120.3	1009	21
NuTech	43N04E ↗	E3	4.3	R	73.1	9.7	13	114.3	1005	22
Lewis	4304XF ↗	RXF	4.3	R	73.1	9.8	19	114.3	1005	23
DONMARIO	DM41E73 ↗	E3	4.1	R	72.6	9.9	22	106.3	998	24
NuTech	40N02E ↗	E3	4.0	R	72.0	9.6	8	116.3	990	25
DONMARIO	DM41F33S ↗	RXF,ST	4.1	R	71.9	9.8	9	116.0	989	26
DONMARIO	DM3932E ↗	E3	3.9	R	71.7	9.9	11	108.3	986	27
NuTech	39N04E ↗	E3	3.9	R	71.6	10.0	8	116.3	984	28
Xitavo	XO 4371E ↗	E3	4.3	R	71.5	9.8	10	124.0	983	29
Lewis	3834XF ↗	RXF	3.8	R	71.4	10.0	16	126.0	982	30
PIONEER	P38T76E CK	E3	3.8	NA	69.2	10.0	14	120.3	952	35
					Averages =	75.2	9.9	12	117.5	1034
					LSD (0.10) =	3.6	ns	ns		
					LSD (0.25) =	1.9	ns	ns		
					C.V. =	4.6	Historic yield: new site			

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

Report Date: 11/08/2022

† 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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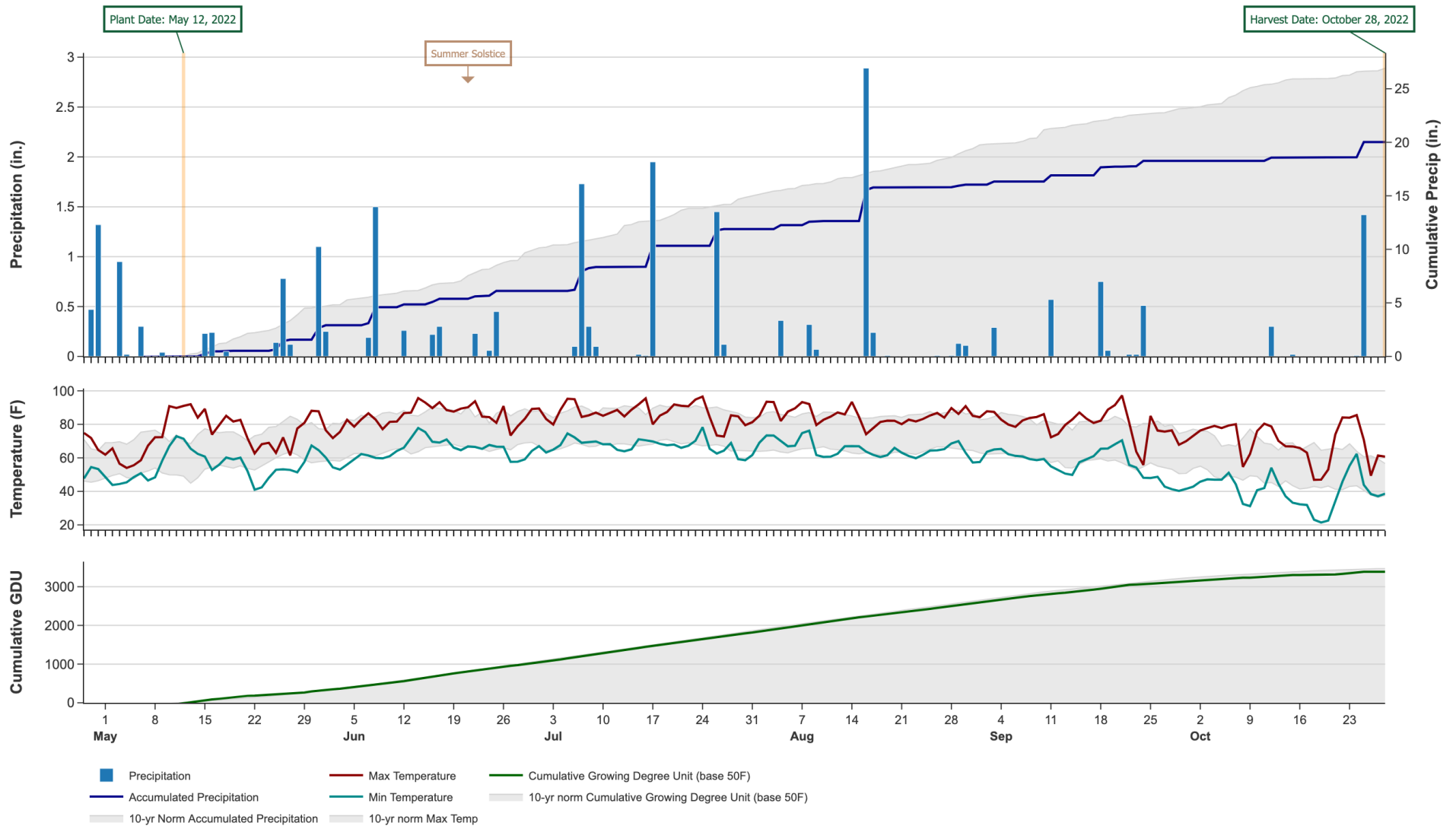
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2022 Soybeans - Missouri North [MONO]

Weather Conditions Summary at TRENTON, MO

Weather Data Retrieved: 11/08/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.8 0.6 (+1.2)	4.0 6.3 (-2.4)	3.5 5.2 (-1.8)	5.8 5.1 (+0.7)	4.2 4.4 (-0.3)	2.2 3.8 (-1.5)	1.8 3.8 (-2.0)	23.1 29.1 (-6.0)
GDU Normal (Diff)	35 25 (+9)	463 447 (+15)	701 736 (-35)	795 822 (-27)	763 767 (-4)	557 584 (-27)	252 240 (+11)	3566 3624 (-58)



* 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.