

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

2022 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] PERRY, MO

Taylor Braungardt, Ralls County, MO 63334

Early-Season Test	Maturity Group 3.4 - 3.9 S2022MOCE03a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Impact, Parallel Plus
SOIL DESCRIPTION:	Leonard silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 7.4 pH, 2.7% OM, 14.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Anthem Maxx, Zidua, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 15 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 3 129.7 /A

TEST COMMENTS:

We attempted planting this trial a few weeks prior, but the soil seemed too wet. With planting season drawing to a close, we chose not to look for perfect soil conditions and planted into similar, somewhat heavy soil. Rain within days after planting facilitated quick and even emergence. Precipitation was slightly below average every month of the growing season. Harvest conditions were great, and Taylor mentioned it was one of the better soybean harvesting days he had this fall.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	37N01E ↗	E3	3.7	R	61.5	10.3	2	130.0	846	1
Burrus	3886F ↗	RXF	3.8	R	57.6	10.2	2	122.0	792	2
NuTech	39N07E ↗	E3	3.9	R	56.7	10.3	1	127.7	780	3
Lewis	3623XF ↗	RXF	3.6	R	56.5	10.4	3	129.3	777	4
FS HISOY	HS 37E10 ↗	E3,ST	3.7	R	56.3	10.1	1	137.3	774	5
Lewis	3910XF ↗	RXF	3.9	R	55.9	10.4	3	130.0	769	6
Lewis	3834XF ↗	RXF	3.8	R	55.8	10.4	1	129.3	767	7
NuTech	35N03E ↗	E3	3.5	R	55.7	10.6	1	124.0	766	8
Asgrow	AG35XF1 § ↗	RXF	3.5	R	55.4	10.3	2	130.0	762	9
AgVenture	AV39Y3E ↗	E3	3.9	MR	55.3	10.1	1	131.3	760	10
DONMARIO	DM3932E ↗	E3	3.9	R	55.2	10.4	1	124.0	759	11
Xitavo	XO 3752E ↗	E3	3.7	R	55.1	10.0	1	129.7	758	12
Dyna-Gro	S37ES52 ↗	E3,ST	3.7	R	54.9	9.9	1	133.7	755	13
Xitavo	XO 3861E ↗	E3	3.8	R	54.6	10.4	1	131.7	751	14
Pioneer	P37T33E § ↗	E3	3.7	MR	54.5	10.5	1	123.7	749	15
Midland Genetics	39E83 ↗	E3,ST	3.9	MR	54.4	10.4	1	126.0	748	16
Midland Genetics	3742 E3S ↗	E3,ST	3.7	R	53.9	10.3	1	131.7	741	18
FS HISOY	HS 38E20 ↗	E3,ST	3.8	R	53.5	10.5	2	131.7	736	19
Midland Genetics	3522XF ↗	RXF	3.5	MR	52.9	10.1	2	131.7	727	20
Midland Genetics	38X63 ↗	RXF,ST	3.7	MR	52.8	10.3	4	128.0	726	21
DONMARIO	DM37E43S ↗	E3,ST	3.7	R	52.8	10.4	2	122.0	726	22
FS HISOY	HS 37F00 ↗	RXF	3.7	R	52.6	10.3	1	137.3	723	23
Golden Harvest	GH3902E3S ↗	E3,ST	3.9	R	52.3	10.6	4	128.0	719	24
Asgrow	AG39XF3 § ↗	RXF	3.9	R	52.1	10.2	1	127.7	716	25
Xitavo	XO 3651E ↗	E3	3.6	R	51.6	10.4	1	133.7	710	26
Stine	38EF32 § ↗	E3	3.8	R	51.2	10.3	1	123.7	704	27
Dyna-Gro	S38XF22S ↗	RXF,ST	3.8	MR	51.0	10.0	1	132.0	701	28
AgVenture	AV38V3E ↗	E3	3.8	MR	50.8	10.2	4	133.7	698	29
Pioneer	P38T76E § ↗	E3	3.8	NA	50.7	10.1	2	127.7	697	30
NK Brand	NK38-D2E3S ↗	E3,ST	3.8	R	50.4	10.3	1	127.7	693	31
PIONEER	P42A84E CK	E3	4.2	R	53.9	10.5	1	133.7	741	17
					Averages =	53.5	10.3	2	129.7	735
					LSD (0.10) =	3.5	0.2	ns		
					LSD (0.25) =	1.9	0.1	ns		
					C.V. =	6.3	Historic yield: 63.3 bu/a, 4 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: 11/12/2022

† 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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Top 30 of 32	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL CONDITION:	very high P, very high K, 7.4 pH, 2.7% OM, 14.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Anthem Maxx, Zidua, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 15 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 3 130.2 /A

TEST COMMENTS:

We attempted planting this trial a few weeks prior, but the soil seemed too wet. With planting season drawing to a close, we chose not to look for perfect soil conditions and planted into similar, somewhat heavy soil. Rain within days after planting facilitated quick and even emergence. Precipitation was slightly below average every month of the growing season. Harvest conditions were great, and Taylor mentioned it was one of the better soybean harvesting days he had this fall.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	43N04E ↗	E3	4.3	R	61.5	9.8	1	129.3	846	1
FS HiSOY	HS 43E20 ↗	E3	4.3	R	60.7	10.0	1	126.0	835	2
DONMARIO	DM41F33S ↗	RXF,ST	4.1	R	60.5	10.1	12	135.7	832	3
Midland Genetics	4260E3S ↗	E3,ST	4.2	MR	59.9	10.1	2	133.3	824	4
Midland Genetics	4082E3 ↗	E3	4.0	R	59.8	9.9	1	135.3	822	5
FS HiSOY	HS 42F10 ↗	RXF	4.2	R	57.4	10.0	2	129.7	789	6
DONMARIO	DM41E73 ↗	E3	4.1	R	57.3	10.2	1	129.7	788	7
Xitavo	XO 4522E ↗	E3	4.5	R	56.2	9.9	2	129.3	773	8
NuTech	45N09E ↗	E3	4.5	R	55.9	10.3	4	129.7	769	9
Lewis	4035XF ↗	RXF	4.0	R	55.8	9.7	3	137.7	767	10
Golden Harvest	GH4155E3 ↗	E3	4.1	MR	55.6	9.9	1	127.7	764	11
Golden Harvest	GH4093E3 § ↗	E3	4.0	R	55.5	10.0	2	130.0	763	12
NK Brand	NK40-P5E3 ↗	E3	4.0	R	55.5	10.3	1	126.0	763	13
Xitavo	XO 4132E ↗	E3	4.1	R	55.3	10.1	1	127.7	760	14
Lewis	4211XF ↗	RXF,ST	4.2	R	55.0	10.2	3	125.7	756	15
FS HiSOY	HS 44F20 ↗	RXF	4.4	R	54.9	10.0	2	129.7	755	16
Lewis	4533XF ↗	RXF	4.5	R	54.7	10.1	5	130.0	752	18
Stine	41EE62 § ↗	E3	4.1	R	54.6	9.8	4	131.3	751	19
Dyna-Gro	S42XF93S ↗	RXF,ST	4.2	MR	54.5	10.0	9	137.7	749	20
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	53.8	9.9	3	131.7	740	21
NuTech	40N02E ↗	E3	4.0	R	53.7	9.8	9	122.3	738	22
Dyna-Gro	S41EN72 ↗	E3	4.1	R	53.1	10.0	11	129.7	730	23
Lewis	4304XF ↗	RXF	4.3	R	53.0	10.1	3	122.0	729	24
Asgrow	AG45XF3 § ↗	RXF,ST	4.5	R	51.3	10.1	3	129.7	705	25
AgVenture	AV43V6E ↗	E3	4.3	MR	51.0	9.9	1	131.7	701	26
Midland Genetics	4422XF ↗	RXF	4.4	MR	50.8	10.0	3	130.0	698	27
Xitavo	XO 4371E ↗	E3	4.3	R	50.6	9.7	1	137.3	696	28
NK Brand	NK43-P7E3S § ↗	E3,ST	4.3	R	49.9	9.9	4	130.0	686	29
Stine	44EE20 § ↗	E3	4.4	R	48.2	9.9	1	124.0	663	30
FS HiSOY	HS 41E20 ↗	E3	4.1	R	46.7	9.9	1	133.7	642	31
PIONEER	P42A84E CK	E3	4.2	R	54.8	10.0	1	130.0	754	17
					Averages =	54.5	10.0	3	130.2	749
					LSD (0.10) =	3.1	0.2	3		
					LSD (0.25) =	1.6	0.1	2		
					C.V. =	5.4				
					Historic yield: 63.3 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: 11/12/2022

† 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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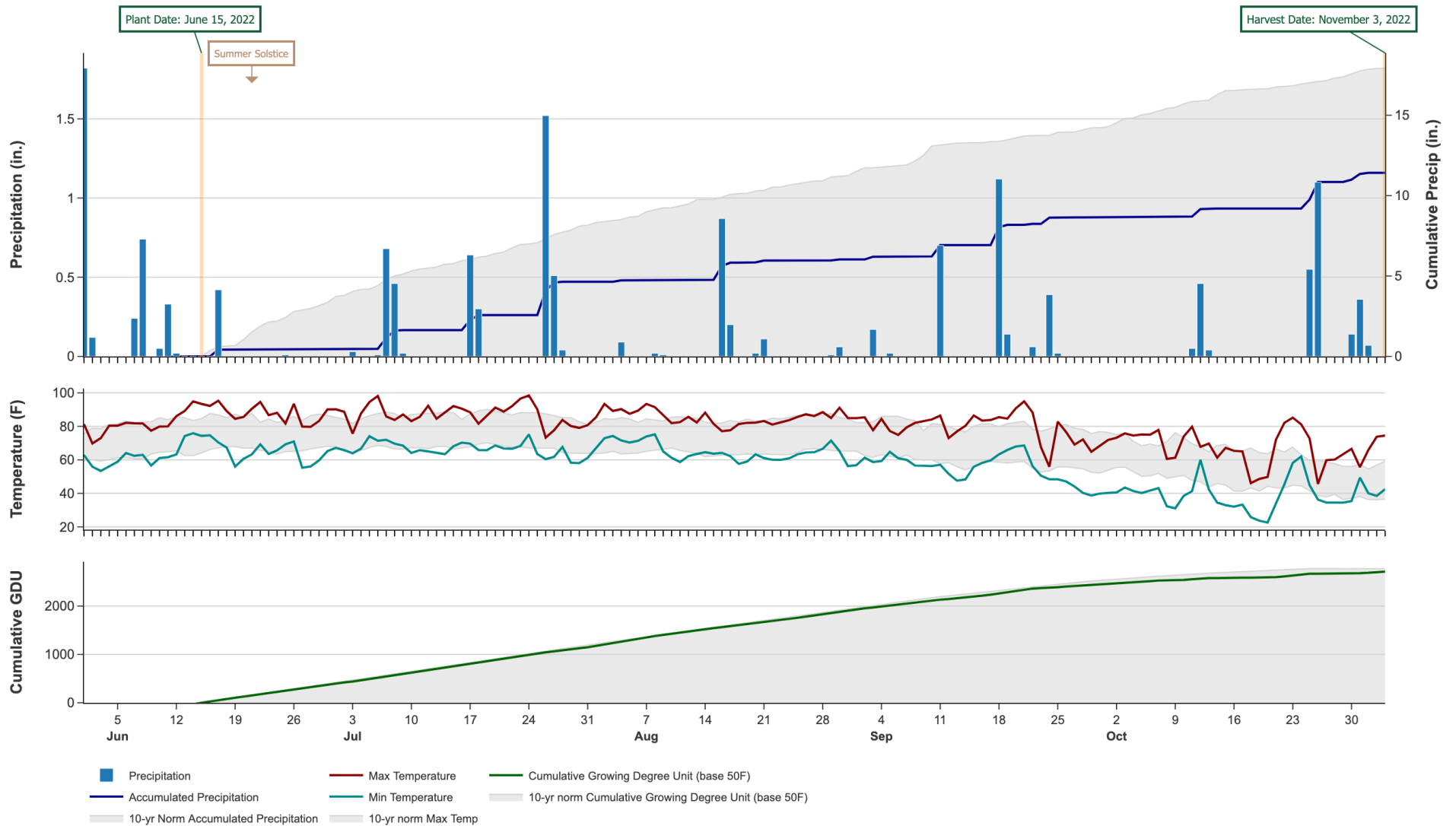
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2022 Soybeans - Missouri Central [MOCE]

Weather Conditions Summary at PERRY, MO

Weather Data Retrieved: 11/12/2022

Monthly Total	Jun*	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	3.8 5.2 (-1.4)	4.2 4.8 (-0.6)	1.4 3.1 (-1.7)	2.6 3.0 (-0.4)	2.7 3.5 (-0.8)	0.1 0.2 (-0.1)	14.7 19.7 (-5.0)
GDU Normal (Diff)	696 717 (-21)	781 809 (-28)	760 754 (+5)	532 581 (-49)	239 241 (-2)	32 0 (+32)	3040 3105 (-65)



* 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.