

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2022 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] HARTLEY, IA
Clint Van Beek, O'Brien County, IA 51346

Early-Season Test	Maturity Group 1.9 - 2.4 S2022IANW02a
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore
SOIL DESCRIPTION:	Sac silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, medium K, 6.8 pH, 4.2% OM, 22.4 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Authority Edge, Liberty, Roundup Powermax, Oulook, Section Three, Reveal, Approach Prima
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 17 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 3 121.2 /A

TEST COMMENTS:

Showers in this area were really spotty and all over the board this year. Fields less than 2 miles from each other would receive widely different rainfall amounts leaving some fields saturated and others high and dry. This pattern persisted through the growing season. Where we normally see good high-end yields on this Sac silty clay loam, the dry conditions with an 8" moisture deficit were enough to knock down overall yields to a more moderate level than years past. Plants were shorter than average and no lodging was observed. With the assistance of an R3 fungicide application, plant health was very good all season long.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z1902E ↗	E3	1.9	NA	68.9	9.7	0	130.0	913	1
Stine	17EE32 § ↗	E3	1.7	R	68.5	9.6	0	138.0	908	2
Latham	L 2049 E3 ↗	E3	2.0	R	67.4	9.8	0	122.0	893	3
NK Brand	NK19-T8E3S ↗	E3,ST	1.9	R	66.5	9.9	0	122.0	881	4
Golden Harvest	GH2083E3S ↗	E3,ST	2.0	R	65.1	9.8	0	114.0	863	5
Xitavo	XO 1971E ↗	E3	1.9	R	64.8	9.7	0	122.0	859	6
Pioneer	P20T64E § ↗	E3	2.0	R	64.0	9.8	0	122.0	848	7
NK Brand	NK19-D5XF § ↗	RXF	1.9	R	63.4	9.7	0	130.0	840	8
FS HiSOY	HS 21E20 ↗	E3	2.1	R	63.3	9.8	0	130.0	839	9
NK Brand	NK23-T9XF ↗	RXF	2.3	R	62.2	9.9	0	114.0	824	11
Pioneer	P18T91E GC ↗	E3	1.8	R	62.1	9.8	0	122.0	823	12
Hoegemeyer	1903 E ↗	E3	1.9	R	62.1	9.9	0	130.0	823	13
FS HiSOY	HS 23E10 ↗	E3,ST	2.3	R	61.3	9.9	0	122.0	812	14
Latham	L 1947 E3 ↗	E3	1.9	R	61.1	9.6	0	122.0	810	15
FS HiSOY	HS 21F20 ↗	RXF	2.1	R	61.1	10.3	0	114.0	810	16
Croplan	CP2240XF GC ↗	RXF	2.2	R	60.8	9.8	0	130.0	806	17
Zinesto	Z2401E ↗	E3	2.4	R	59.4	9.9	0	122.0	787	18
Xitavo	XO 2181E ↗	E3	2.1	R	58.3	10.0	0	114.7	772	19
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	58.1	9.8	0	122.0	770	20
Kruger	K1914XF ↗	RXF	1.9	R	56.2	9.7	0	130.0	745	21
Xitavo	XO 2323E ↗	E3	2.3	R	55.4	9.8	0	122.0	734	22
Titan Pro	TP 20E22 ↗	E3	2.0	R	55.4	10.0	0	122.0	734	23
Hoegemeyer	2123 E ↗	E3	2.1	R	54.7	9.6	0	122.0	725	24
Latham	L 2193 E3 ↗	E3	2.1	R	54.0	9.6	0	106.7	716	25
Zinesto	Z2101G ↗	LLGT27	2.1	R	53.2	9.8	0	122.0	705	26
Zinesto	Z2303E ↗	E3	2.3	R	52.5	9.7	0	122.0	696	27
Asgrow	AG24XF3 § ↗	RXF	2.4	R	52.5	9.7	0	106.7	696	28
Pioneer	P21T72E § ↗	E3	2.1	R	51.3	9.8	0	106.7	680	29
Kruger	K2294XF ↗	RXF	2.2	R	51.2	9.8	0	114.0	678	30
Stine	22EF23 § ↗	E3	2.2	R	47.1	9.9	0	130.0	624	31
CROPLAN	CP2520E CK	E3	2.5	R	63.2	9.7	0	122.0	837	10

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **57.4** **9.8** **121.2** **761**

LSD (0.10) = 5.7 ns ns

LSD (0.25) = 3.0 ns ns

C.V. = 9.5

Historic yield: 57.1 bu/a, 11 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$13.25

Report Date: 10/03/2022

† 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

©2022, All rights reserved by Elite Field Genetics, LLC

Additional reports available at www.firstseedtests.com

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2022 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] HARTLEY, IA
Clint Van Beek, O'Brien County, IA 51346

Full-Season Test	Maturity Group 2.5 - 2.8 S2022IANW02b
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore
SOIL DESCRIPTION:	Sac silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, medium K, 6.8 pH, 4.2% OM, 22.4 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Authority Edge, Liberty, Roundup Powermax, Oulook, Section Three, Reveal, Approach Prima
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 17 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 3 122.8 /A

TEST COMMENTS:

Showers in this area were really spotty and all over the board this year. Fields less than 2 miles from each other would receive widely different rainfall amounts leaving some fields saturated and others high and dry. This pattern persisted through the growing season. Where we normally see good high-end yields on this Sac silty clay loam, the dry conditions with an 8" moisture deficit were enough to knock down overall yields to a more moderate level than years past. Plants were shorter than average and no lodging was observed. With the assistance of an R3 fungicide application, plant health was very good all season long.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hoegemeyer	2763 E ↗	E3	2.7	R	65.5	9.8	0	122.0	868	1
FS HiSOY	HS 27F20 ↗	RXF	2.7	R	64.7	9.8	0	130.0	857	2
Latham	L 2894 E3 ↗	E3	2.8	R	63.8	10.3	0	114.0	845	3
Xitavo	XO 2501E ↗	E3	2.5	R	63.1	9.6	0	130.0	836	4
Asgrow	AG27XF3 § ↗	RXF	2.7	R	62.5	11.1	0	130.0	828	5
Asgrow	AG26XF3 § ↗	RXF	2.6	R	60.9	10.4	0	114.0	807	7
Latham	L 2786 XF ↗	RXF	2.7	R	60.8	10.7	0	114.0	806	8
Stine	26EF23 § ↗	E3	2.6	R	60.3	10.1	0	122.0	799	9
Stine	26EC32 § ↗	E3	2.6	R	60.3	10.3	0	114.7	799	10
Pioneer	P26T23E § ↗	E3	2.6	R	59.7	9.9	0	138.0	791	11
Zinesto	Z2603E ↗	E3	2.6	R	58.5	10.1	0	122.0	775	12
Zinesto	Z2700E ↗	E3	2.7	R	58.5	10.6	0	130.0	775	13
Kruger	K2604XF ↗	RXF	2.6	R	58.3	10.3	0	114.0	772	14
Zinesto	Z2503E ↗	E3	2.5	R	58.0	9.7	0	114.7	768	15
Latham	L 2638 E3 ↗	E3	2.6	R	58.0	10.9	0	114.0	768	16
Golden Harvest	GH2653XF ↗	RXF	2.6	R	58.0	9.8	0	130.0	768	17
NK Brand	NK25-C9XF § ↗	RXF	2.5	MR	57.6	10.0	0	122.0	763	18
Golden Harvest	GH2722XF § ↗	RXF	2.7	MR	57.6	10.4	0	114.0	763	19
FS HiSOY	HS 26E20 ↗	E3	2.6	R	56.9	10.2	0	114.0	754	20
Kruger	K2793XF ↗	RXF	2.7	R	55.2	10.3	0	114.0	731	21
Xitavo	XO 2613E ↗	E3	2.6	R	55.1	9.9	0	122.0	730	22
FS HiSOY	HS 26F20 ↗	RXF	2.6	R	54.6	10.5	0	122.0	723	23
Pioneer	P26T57E § ↗	E3	2.6	R	54.1	9.9	0	122.0	717	24
FS HiSOY	HS 28F20 ↗	RXF,ST	2.8	R	53.8	10.9	0	130.0	713	25
Kruger	K2594XF ↗	RXF	2.5	R	51.8	9.9	0	130.0	686	26
Kruger	K2816XF ↗	RXF	2.8	R	48.9	10.5	0	130.0	648	27
Hoegemeyer	2831 E GC ↗	E3	2.8	R	46.1	11.2	0	130.0	611	28
Xitavo	XO 2832E ↗	E3	2.8	R	45.9	11.0	0	130.0	608	29
Hoegemeyer	2553 E ↗	E3	2.5	R	41.9	10.3	0	122.0	555	30
CROPLAN	CP2520E CK	E3	2.5	R	62.0	10.0	0	130.0	822	6

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **57.1** **10.3** **122.8** **756**

LSD (0.10) = 4.5 0.4 ns

LSD (0.25) = 2.4 0.2 ns

C.V. = 7.5

Historic yield: 57.1 bu/a, 11 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$13.25

Report Date: 10/03/2022

† 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

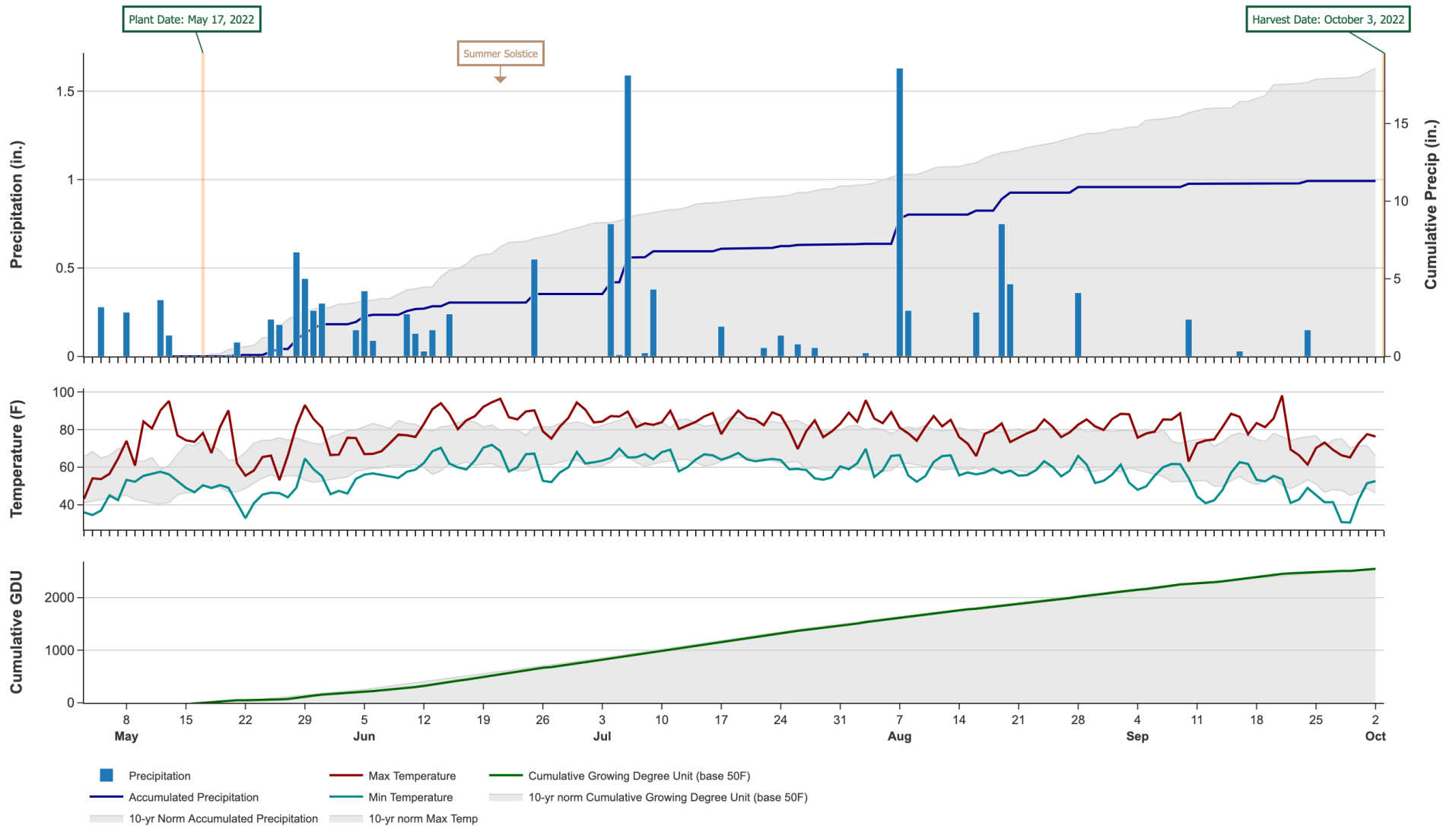
©2022, All rights reserved by Elite Field Genetics, LLC

Additional reports available at www.firstseedtests.com

2022 Soybeans - Iowa Northwest [IANW]

Weather Conditions Summary at HARTLEY, IA

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	3.0 5.0 (-2.0)	1.9 5.1 (-3.2)	3.2 2.7 (+0.5)	3.7 3.5 (+0.2)	0.4 3.6 (-3.2)	0.0 0.6 (-0.6)	12.3 20.4 (-8.2)
GDU Normal (Diff)	319 290 (+28)	594 618 (-24)	713 706 (+6)	612 608 (+3)	445 429 (+15)	29 18 (+10)	2712 2672 (+39)



* 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 - Iowa Northwest [IANW]

Early-Season Test Products (35 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG20XF1 §	RXF	R	2.0	Untreated
Asgrow	AG24XF3 §	RXF	R	2.4	ACi
Croplan	CP2240XF GC	RXF	R	2.2	Untreated
Croplan	CP2520E CK	E3	R	2.5	Untreated
FS HiSOY	HS 21E20	E3	R	2.1	ACi,SA,B-200
FS HiSOY	HS 21F20	RXF	R	2.1	ACi,SA,B-200
FS HiSOY	HS 23E10	E3,ST	R	2.3	ACi,SA,B-200
FS HiSOY	HS 24F00	RXF,ST	R	2.4	ACi,SA,B-200
Golden Harvest	GH2083E3S	E3,ST	R	2.0	CMBV,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
Hoegemeyer	1903 E	E3	R	1.9	Lum,Lu,IL
Hoegemeyer	2123 E	E3	R	2.1	Lum,Lu,IL
Kruger	K1914XF	RXF	R	1.9	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Latham	L 1947 E3	E3	R	1.9	SS+,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2379 E3	E3	R	2.3	SS+,SA
NK Brand	NK19-D5XF §	RXF	R	1.9	CMBV,SA
NK Brand	NK19-T8E3S	E3,ST	R	1.9	CMBV,SA
NK Brand	NK23-T9XF	RXF	R	2.3	CMBV,SA
Pioneer	P18T91E GC	E3	R	1.8	Untreated
Pioneer	P20T64E §	E3	R	2.0	Untreated
Pioneer	P21T72E §	E3	R	2.1	Untreated
Stine	17EE32 §	E3	R	1.7	SFI
Stine	22EF23 §	E3	R	2.2	SFI
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,G
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB,Rey
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Xitavo	XO 2472E	E3,ST	R	2.4	PV,IL,OB,Rey
Zinesto	Z1902E	E3	NA	1.9	DST4
Zinesto	Z2101G	LLGT27	R	2.1	DST4
Zinesto	Z2303E	E3	R	2.3	DST4
Zinesto	Z2401E	E3	R	2.4	DST4

2022 Soybeans - Iowa Northwest [IANW]

Full-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG26XF3 §	RXF	R	2.6	ACi,IL
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Croplan	CP2520E CK	E3	R	2.5	Untreated
FS HiSOY	HS 26E20	E3	R	2.6	ACi,SA,B-200
FS HiSOY	HS 26F20	RXF	R	2.6	ACi,SA,B-200
FS HiSOY	HS 27F20	RXF	R	2.7	ACi,SA,B-200
FS HiSOY	HS 28F20	RXF,ST	R	2.8	ACi,SA,B-200
Golden Harvest	GH2653XF	RXF	R	2.6	CMBV,SA
Golden Harvest	GH2722XF §	RXF	MR	2.7	CMBV,SA
Hoegemeyer	2553 E	E3	R	2.5	Lum,Lu,IL
Hoegemeyer	2763 E	E3	R	2.7	Lum,Lu,IL
Hoegemeyer	2831 E GC	E3	R	2.8	Lum,Lu,IL
Kruger	K2594XF	RXF	R	2.5	ACi,IL
Kruger	K2604XF	RXF	R	2.6	ACi,IL
Kruger	K2793XF	RXF	R	2.7	ACi,IL
Kruger	K2816XF	RXF	R	2.8	ACi,IL
Latham	L 2638 E3	E3	R	2.6	SS+,SA
Latham	L 2786 XF	RXF	R	2.7	SS+,SA
Latham	L 2894 E3	E3	R	2.8	SS+,SA
NK Brand	NK25-C9XF §	RXF	MR	2.5	CMBV,SA
Pioneer	P26T23E §	E3	R	2.6	Untreated
Pioneer	P26T57E §	E3	R	2.6	Untreated
Stine	26EC32 §	E3	R	2.6	SFI
Stine	26EF23 §	E3	R	2.6	SFI
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB,Rey
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Zinesto	Z2503E	E3	R	2.5	DST4
Zinesto	Z2603E	E3	R	2.6	DST4
Zinesto	Z2700E	E3	R	2.7	DST4

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
LLGT27	LibertyLink® GT27®
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, Salstro®, B-200 SAT
CMBV,SA	Cruisermass® Beans, Vibrance®, Salstro®
DST4	Dominance 4 ST
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,G	Salstro, Allegiance FL, Redigo 480, Gaucho 600
SF1	Stine XP F&I
SS+,SA	SoyShield Plus, Salstro®
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.