

Test by: F.I.R.S.T. CCB, Inc. Elizabeth, IL

2024 Soybeans Top 30 Harvest Report

Iowa South [IASO] WINTERSET, IA
Mike Erdman, Madison County, IA 50273

Early-Season Test	Maturity Group 2.5 - 3.0 S2024IASO54a
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicep, Explore
SOIL DESCRIPTION:	Sharpsburg silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, high K, 6.0 pH, 4.2% OM, 20.4 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Liberty, Round Up, Zidua Sa
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 14 150.8 /A

TEST COMMENTS:

Soil conditions were very good at planting and plants emerged very well. The plot received some good rains in June, July, and August, which helped plants grow to 30 to 43 inches with very tight pod sets, filled well. Plants were well matured and shelling was easy. This area like others had a quick dry down which made pods dry and caused a slight head shatter. There was no weed pressure, and the plants stood strong with very little lodging.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Apex	AE2940S ↗	E3,ST	2.9	M	96.1	8.8	1	151.3	933	1
Dyna-Gro	S28XF85 ↗	RXF	2.8	M	92.7	8.7	1	148.7	900	2
AgVenture	AV30B2E GC ↗	E3	3.0	M	92.0	9.2	1	151.3	893	3
Xitavo	XO 3014E ↗	E3,ST	3.0	M	90.8	8.8	1	148.7	882	4
Hoegemeyer	2905 E ↗	E3	2.9	PK	89.9	8.9	1	150.7	873	5
NuTech	30N06E ↗	E3	3.0	M	89.7	8.8	1	151.3	871	6
Titan Pro	TP 29E23 ↗	E3	2.9	M	89.6	8.9	1	151.3	870	7
NuTech	28N03E ↗	E3	2.8	M	88.7	8.7	1	148.7	861	8
Pioneer	P28Z89E § ↗	E3	2.8	PK	88.4	8.5	1	151.3	858	9
NuTech	27N07E ↗	E3	2.7	M	88.2	8.7	1	151.3	856	10
NK Brand	NK27-J5E3 ↗	E3	2.7	M	88.0	9.2	1	151.3	854	11
FS HiSOY	HS 30F40 ↗	RXF	3.0	M	87.8	8.6	1	148.7	853	12
AgVenture	AV27Y1E § ↗	E3	2.7	PK	87.8	9.4	1	151.3	853	13
FS HiSOY	HS 29E40 ↗	E3	2.9	PK	87.7	8.9	1	151.3	852	14
Asgrow	AG30XF4 § ↗	RXF	3.0	R	86.4	8.6	1	152.0	839	15
Apex	AE2950 ↗	E3	2.9	PK	86.3	9.5	1	150.7	838	16
NuTech	29N05E ↗	E3	2.9	PK	85.9	8.6	1	148.7	834	17
Xitavo	XO 2985E ↗	E3	2.9	M	85.7	9.1	1	148.7	832	18
Hoegemeyer	2855 E ↗	E3	2.8	M	84.4	8.9	1	151.3	820	19
Golden Harvest	GH3043E3 ↗	E3	3.0	M	84.2	9.6	1	151.3	818	20
FS HiSOY	HS 28F30 ↗	RXF	2.8	M	83.7	8.6	1	151.3	813	22
Golden Harvest	GH3035E3 § ↗	E3	3.0	M	83.0	9.1	1	151.3	806	23
NK Brand	NK30-A9E3 ↗	E3	3.0	M	82.6	8.8	2	151.3	802	24
Dyna-Gro	S29ES45 ↗	E3,ST	2.9	M	81.0	9.4	1	151.3	787	25
FS HiSOY	HS 30E40 ↗	E3,ST	3.0	M	80.9	9.8	1	151.3	786	26
Pioneer	P28A39E § ↗	E3	2.8	M	80.9	8.7	1	151.3	786	27
Xitavo	XO 2735E ↗	E3	2.7	M	78.4	9.1	1	150.7	761	28
Xitavo	XO 2865E ↗	E3	2.8	M	77.4	8.7	1	151.3	752	29
NK Brand	NK28-B9E3S ↗	E3,ST	2.8	M	69.8	8.7	1	151.3	678	30
PIONEER	P30A75E CK	E3	3.0	MR	84.1	8.7	1	152.0	817	21
					Averages =	85.7	8.9	1	150.8	833
					LSD (0.10) =	4.1	ns	ns		
					LSD (0.25) =	2.1	ns	ns		
					C.V. =	4.5				
									Historic yield: 67.49 bu/a, 21 yr(s)	



Randy Meinsma

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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$9.71

Report Date: 10/14/2024

† 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

Additional reports available at www.firstseedtests.com

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Full-Season Test	Maturity Group 3.1 - 3.6 S2024IASO54b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicep, Explore
SOIL DESCRIPTION:	Sharpsburg silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, high K, 6.0 pH, 4.2% OM, 20.4 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Liberty, Round Up, Zidua Sa
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 14 150.5 /A

TEST COMMENTS:

Soil conditions were very good at planting and plants emerged very well. The plot received some good rains in June, July, and August, which helped plants grow to 30 to 43 inches with very tight pod sets, filled well. Plants were well matured and shelling was easy. This area like others had a quick dry down which made pods dry and caused a slight head shatter. There was no weed pressure, and the plants stood strong with very little lodging.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Apex	AE3550S ↗	E3,ST	3.5	M	94.6	8.4	1	150.7	919	1
Genesis	G3580ES ↗	E3,ST	3.5	M	93.6	8.4	1	150.7	909	2
Cornelius	CB36XF60 ↗	RXF	3.6	M	92.2	8.4	1	151.3	895	3
Xitavo	XO 3555E ↗	E3,ST	3.5	M	91.2	8.3	1	151.3	886	4
Dyna-Gro	S31EN14 ↗	E3	3.1	M	90.6	8.4	1	151.3	880	5
Cornelius	CB33XF26 ↗	RXF	3.3	M	90.1	8.4	1	151.3	875	6
FS HiSOY	HS 36E40 ↗	E3,ST	3.6	M	89.5	8.4	2	148.7	869	7
Stine	31EF02 § ↗	E3	3.1	M	89.3	8.3	1	151.3	867	8
Genesis	G3380E ↗	E3	3.3	PK	89.1	8.2	1	151.3	865	9
NuTech	32N04E ↗	E3	3.2	M	88.7	8.9	1	151.3	861	10
NK Brand	NK34-Z8E3S § ↗	E3,ST	3.4	M	88.6	9.5	1	150.7	860	11
Hoegemeyer	3185 E ↗	E3	3.1	M	88.4	8.2	1	148.7	858	12
Apex	AE3540S ↗	E3,ST	3.5	M	88.1	8.7	2	148.7	855	13
Dyna-Gro	S35XF44 ↗	RXF	3.5	M	87.1	8.3	1	152.0	846	14
NuTech	36N06E ↗	E3	3.6	M	87.0	8.3	1	148.7	845	15
Apex	AE3131S ↗	E3,ST	3.1	M	87.0	9.8	1	148.7	845	16
FS HiSOY	HS 36F40 ↗	RXF	3.6	M	86.8	8.3	2	151.3	843	17
Xitavo	XO 3224E ↗	E3	3.2	PK	86.1	8.1	1	151.3	836	18
P3 Genetics	2434E ↗	E3	3.4	PK	86.1	9.0	1	151.3	836	19
FS HiSOY	HS 34F30 ↗	RXF	3.4	M	85.2	8.2	1	148.7	827	20
NK Brand	NK33-Y7E3S § ↗	E3,ST	3.3	PK	85.0	9.0	3	151.3	825	21
Golden Harvest	GH3355E3S ↗	E3,ST	3.3	PK	84.5	8.5	2	150.7	820	22
ProHarvest	35E52 ↗	E3	3.5	M	83.9	8.2	1	148.7	815	24
Hoegemeyer	3605 E ↗	E3	3.6	M	83.7	8.3	1	151.3	813	25
Asgrow	AG33XF3 § ↗	RXF	3.3	R	83.4	8.1	1	148.0	810	26
NuTech	34N02E ↗	E3	3.4	PK	83.4	8.2	1	148.7	810	27
Stine	35EG92 § ↗	E3	3.5	M	81.7	8.3	1	151.3	793	28
NuTech	35N05E ↗	E3	3.5	PK	81.6	8.2	1	148.7	792	29
FS HiSOY	HS 34E40 ↗	E3	3.4	PK	81.0	8.4	1	151.3	787	30
Asgrow	AG36XF4 § ↗	RXF	3.6	R	80.9	8.4	1	151.3	786	31
PIONEER	P30A75E CK	E3	3.0	MR	83.9	8.1	1	151.3	815	23
					Averages =	85.4	8.5	1	150.5	829
					LSD (0.10) =	4.9	0.5	ns		
					LSD (0.25) =	2.6	0.3	ns		
					C.V. =	5.4				
					Historic yield: 67.49 bu/a, 21 yr(s)					



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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$9.71

Report Date: 10/14/2024

† 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 exceeded 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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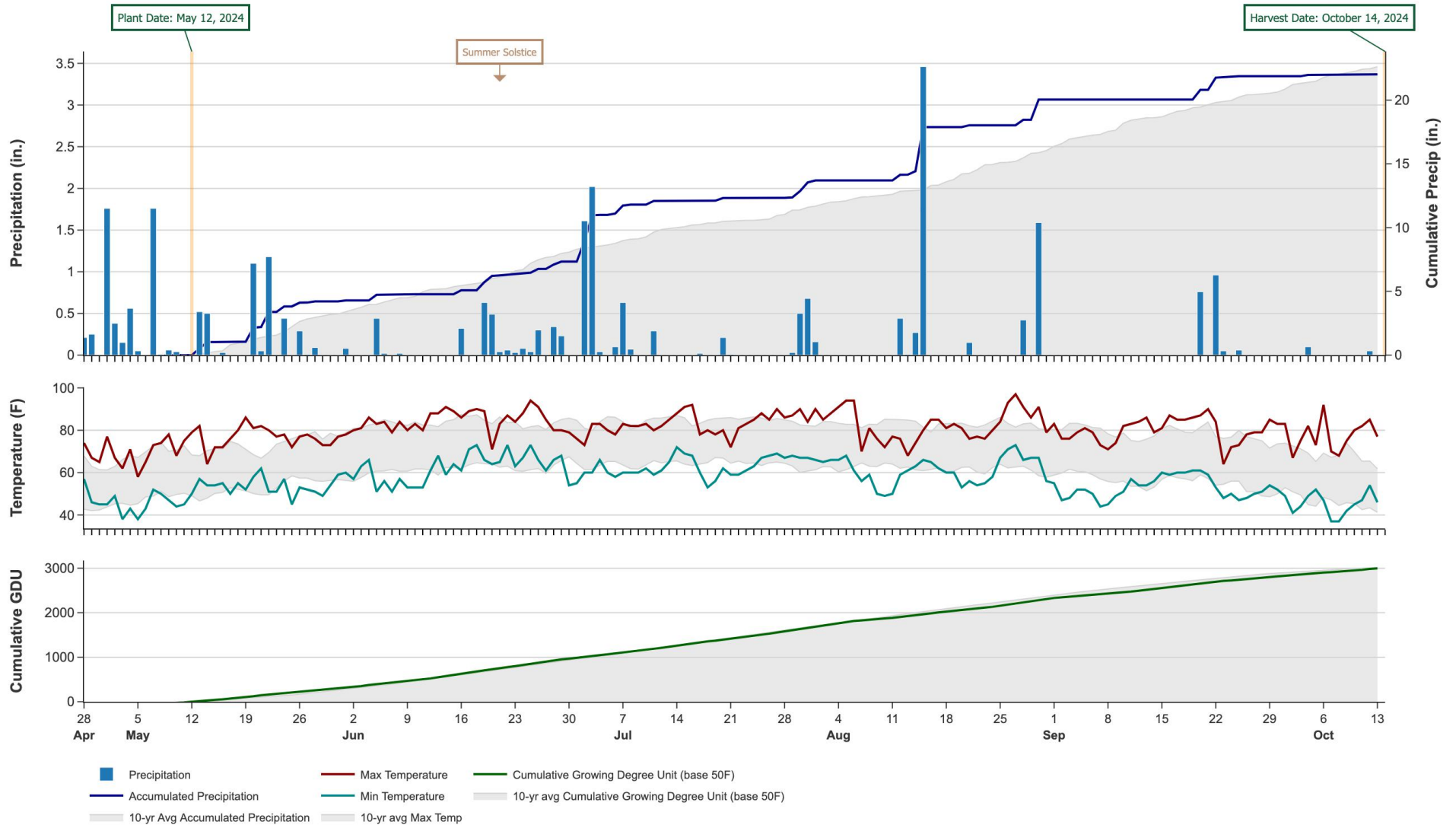
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2024 Soybeans - Iowa South [IASO]

Weather Conditions Summary at WINTERSET, IA

Weather Data Retrieved: 10/14/2024

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.5 0.5 (-0.1)	9.0 4.8 (+4.2)	3.1 4.8 (-1.7)	6.2 3.5 (+2.7)	6.5 4.5 (+2.0)	1.8 4.6 (-2.8)	0.1 2.0 (-1.9)	27.2 24.7 (+2.5)
GDU Avg (Diff)	32 21 (+10)	411 367 (+43)	678 673 (+4)	692 749 (-57)	651 695 (-44)	504 515 (-11)	180 123 (+56)	3148 3147 (0)



* 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.

2024 Soybeans - Iowa South [IASO]

Early-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV27Y1E §	E3	PK	2.7	CMB
AgVenture	AV30B2E GC	E3	M	3.0	Lum,Lu,Lud,IL
Apex	AE2940S	E3,ST	M	2.9	PU
Apex	AE2950	E3	PK	2.9	PU
Asgrow	AG30XF4 §	RXF	R	3.0	ACi,IL
Dyna-Gro	S28XF85	RXF	M	2.8	PLTM
Dyna-Gro	S29ES45	E3,ST	M	2.9	PLTM
FS HiSOY	HS 28F30	RXF	M	2.8	ACi,SA
FS HiSOY	HS 29E40	E3	PK	2.9	ACi,SA
FS HiSOY	HS 30E40	E3,ST	M	3.0	ACi,SA
FS HiSOY	HS 30F40	RXF	M	3.0	ACi,SA
Golden Harvest	GH3035E3 §	E3	M	3.0	CMB-APX,SA
Golden Harvest	GH3043E3	E3	M	3.0	CMB-APX,SA
Hoegemeyer	2855 E	E3	M	2.8	Lum, LumT, IL
Hoegemeyer	2905 E	E3	PK	2.9	Lum, LumT, IL
NK Brand	NK27-J5E3	E3	M	2.7	CMB-APX,SA
NK Brand	NK28-B9E3S	E3,ST	M	2.8	CMB-APX,SA
NK Brand	NK30-A9E3	E3	M	3.0	CMB-APX,SA
NuTech	27N07E	E3	M	2.7	Lum, LumT, IL
NuTech	28N03E	E3	M	2.8	Lum, LumT, IL
NuTech	29N05E	E3	PK	2.9	Lum, LumT, IL
NuTech	30N06E	E3	M	3.0	Lum, LumT, IL
Pioneer	P28A39E §	E3	M	2.8	Lum, LumT, IL
Pioneer	P28Z89E §	E3	PK	2.8	Lum, LumT, IL
Pioneer	P30A75E CK	E3	MR	3.0	Lum
Titan Pro	TP 29E23	E3	M	2.9	CMB-APX,SA
Xitavo	XO 2735E	E3	M	2.7	PV,IL,OB,Rey
Xitavo	XO 2865E	E3	M	2.8	PV,IL,OB,Rey
Xitavo	XO 2985E	E3	M	2.9	PV,IL,OB,Rey
Xitavo	XO 3014E	E3,ST	M	3.0	PV,IL,OB,Rey

2024 Soybeans - Iowa South [IASO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE3131S	E3,ST	M	3.1	PU
Apex	AE3540S	E3,ST	M	3.5	CMB-APX,SA
Apex	AE3550S	E3,ST	M	3.5	PU
Asgrow	AG33XF3 §	RXF	R	3.3	ACi,IL
Asgrow	AG36XF4 §	RXF	R	3.6	ACi,IL
Cornelius	CB33XF26	RXF	M	3.3	PG+
Cornelius	CB36XF60	RXF	M	3.6	PG+
Dyna-Gro	S31EN14	E3	M	3.1	PLTM
Dyna-Gro	S35XF44	RXF	M	3.5	PLTM
FS HiSOY	HS 34E40	E3	PK	3.4	ACi,SA
FS HiSOY	HS 34F30	RXF	M	3.4	ACi,SA
FS HiSOY	HS 36E40	E3,ST	M	3.6	ACi,SA
FS HiSOY	HS 36F40	RXF	M	3.6	ACi,SA
Genesis	G3380E	E3	PK	3.3	EcTC,SA
Genesis	G3580ES	E3,ST	M	3.5	EcTC,SA
Golden Harvest	GH3355E3S	E3,ST	PK	3.3	CMB-APX,SA
Golden Harvest	GH3655E3S	E3,ST	M	3.6	CMB-APX,SA
Hoegemeyer	3185 E	E3	M	3.1	Lum, LumT, IL
Hoegemeyer	3605 E	E3	M	3.6	Lum, LumT, IL
NK Brand	NK33-Y7E3S §	E3,ST	PK	3.3	CMB-APX,SA
NK Brand	NK34-Z8E3S §	E3,ST	M	3.4	CMB-APX,SA
NK Brand	NK36-Q6E3S	E3,ST	M	3.6	CMB-APX,SA
NuTech	32N04E	E3	M	3.2	Lum, LumT, IL
NuTech	34N02E	E3	PK	3.4	Lum, LumT, IL
NuTech	35N05E	E3	PK	3.5	Lum, LumT, IL
NuTech	36N06E	E3	M	3.6	Lum, LumT, IL
P3 Genetics	2434E	E3	PK	3.4	PG+
Pioneer	P30A75E CK	E3	MR	3.0	Lum
ProHarvest	35E52	E3	M	3.5	PU
Stine	31EF02 §	E3	M	3.1	TFX1,SA
Stine	35EG92 §	E3	M	3.5	TFX1,SA
Stine	36EE12 §	E3	M	3.6	TFX1,SA
Xitavo	XO 3105E	E3	M	3.1	PV,IL,OB,Rey
Xitavo	XO 3224E	E3	PK	3.2	PV,IL,OB,Rey
Xitavo	XO 3375E	E3	M	3.3	PV,IL,OB,Rey
Xitavo	XO 3555E	E3,ST	M	3.5	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 Source or Rating

Note: Source of SCN resistance used when available, otherwise older susceptibility ratings are reported.

M	PI 88788 (MR)
PK	Peking (R)
H	Hartwig (R)
B	Blend (PK + M)
MR	moderate resistance
R	resistant
S	susceptible
NA	info unavailable

Soybeans Technologies

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
CMB	CruiserMaxx® Beans
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
Lum	LumiGEN™
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PLTM	DynaGro PLTM
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro

*Seed treatments may include unspecified plant health promoting components.