

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

2024 Soybeans Top 30 Harvest Report

Iowa South [IASO] WASHINGTON, IA
Tom Vittetoe, Washington County, IA 52353

Early-Season Test	Maturity Group 2.5 - 3.0 S2024IASO53a
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Volly Atz Lite, Callisto, Atrazine, Roundup, Impact
SOIL DESCRIPTION:	Taintor silty clay loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.4 pH, 3.8% OM, 19.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Authority Supreme, 2,4-D Lv6, Roundup, Brawl, Liberty, Domark, Kendo, Imida
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 19 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 3 158.9 /A

TEST COMMENTS:

Planting conditions were very good and the plot received some nice showers after planting, which helped plants emerge very well. The location was nearly 4 inches below normal rainfall, but the timely showers made very good yields. Plants stood 32 inches up to 50 inches. Taller plants caused lodging, and some green stem was seen through the plot. Pods were good and dry which made shelling easy. Very good tight pod sets produced high yields here.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK30-A9E3 ↗	E3	3.0	M	90.6	12.5	26	160.0	880	1
Apex	AE2940S ↗	E3,ST	2.9	M	90.4	11.0	3	160.0	878	2
NuTech	30N06E ↗	E3	3.0	M	90.1	10.8	1	160.0	875	3
FS HiSOY	HS 30E40 ↗	E3,ST	3.0	M	89.6	15.7	5	160.0	860	7
Golden Harvest	GH3035E3 § ↗	E3	3.0	M	89.1	11.0	11	154.7	865	4
Apex	AE2950 ↗	E3	2.9	PK	89.1	10.2	1	160.0	865	5
Pioneer	P28A39E § ↗	E3	2.8	M	87.3	12.3	2	160.0	848	8
Xitavo	XO 2735E ↗	E3	2.7	M	85.4	11.0	36	160.0	829	9
Hoegemeyer	2855 E ↗	E3	2.8	M	85.2	9.9	4	160.0	827	10
NuTech	28N03E ↗	E3	2.8	M	85.0	11.6	2	160.0	825	11
Xitavo	XO 3014E ↗	E3,ST	3.0	M	84.4	10.9	3	160.0	820	12
AgVenture	AV30B2E GC ↗	E3	3.0	M	84.0	12.4	1	160.0	816	13
Hoegemeyer	2905 E ↗	E3	2.9	PK	83.8	12.6	1	160.0	814	14
FS HiSOY	HS 29E40 ↗	E3	2.9	PK	83.6	10.8	1	160.0	812	15
Xitavo	XO 2865E ↗	E3	2.8	M	83.6	11.8	27	160.0	812	16
FS HiSOY	HS 28F30 ↗	RXF	2.8	M	83.3	10.4	3	160.0	809	17
Dyna-Gro	S29ES45 ↗	E3,ST	2.9	M	83.0	11.0	6	160.0	806	18
Titan Pro	TP 29E23 ↗	E3	2.9	M	83.0	12.0	5	160.0	806	19
NK Brand	NK27-J5E3 ↗	E3	2.7	M	81.9	10.9	6	160.0	795	20
Pioneer	P28Z89E § ↗	E3	2.8	PK	81.3	10.8	5	154.7	789	21
NK Brand	NK28-B9E3S ↗	E3,ST	2.8	M	80.3	11.0	23	160.0	780	22
FS HiSOY	HS 30F40 ↗	RXF	3.0	M	79.9	10.4	32	160.0	776	23
Dyna-Gro	S28XF85 ↗	RXF	2.8	M	79.7	11.5	14	149.3	774	24
AgVenture	AV27Y1E § ↗	E3	2.7	PK	79.5	12.0	6	154.7	772	25
Xitavo	XO 2985E ↗	E3	2.9	M	79.1	10.0	11	160.0	768	26
NuTech	29N05E ↗	E3	2.9	PK	78.5	10.2	1	154.7	762	27
Golden Harvest	GH3043E3 ↗	E3	3.0	M	78.4	11.1	1	160.0	761	28
Asgrow	AG30XF4 § ↗	RXF	3.0	R	78.0	10.7	10	160.0	757	29
NuTech	27N07E ↗	E3	2.7	M	75.2	10.9	2	160.0	730	30
PIONEER	P30A75E CK	E3	3.0	MR	88.8	10.8	1	160.0	862	6
					Averages =	83.7	11.3	8	158.9	812
					LSD (0.10) =	4.4	ns	6		
					LSD (0.25) =	2.3	ns	3		
					C.V. =	5.0				
					Historic yield: 71.3 bu/a, 14 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: Oct. 3, 2024

Revised: 10/10/2024 Revised stand values to the correct unit, NO yield or rank changes

Additional reports available at www.firstseedtests.com

† 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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Tom Vittetoe, Washington County, IA 52353

Full-Season Test	Maturity Group 3.1 - 3.6 S2024IASO53b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL CONDITION:	very high P, very high K, 6.4 pH, 3.8% OM, 19.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Authority Supreme, 2,4-D Lv6, Roundup, Brawl, Liberty, Domark, Kendo, Imida
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 19 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 3 158.8 /A

TEST COMMENTS:

Planting conditions were very good and the plot received some nice showers after planting, which helped plants emerge very well. The location was nearly 4 inches below normal rainfall, but the timely showers made very good yields. Plants stood 32 inches up to 50 inches. Taller plants caused lodging, and some green stem was seen through the plot. Pods were good and dry which made shelling easy. Very good tight pod sets produced high yields here.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dyna-Gro	S35XF44 ↗	RXF	3.5	M	94.5	13.0	20	160.0	917	1
FS HiSOY	HS 36E40 ↗	E3,ST	3.6	M	93.5	10.4	17	160.0	908	2
NuTech	36N06E ↗	E3	3.6	M	93.0	10.6	16	160.0	903	3
Cornelius	CB36XF60 ↗	RXF	3.6	M	92.8	12.7	34	160.0	901	4
Xitavo	XO 3555E ↗	E3,ST	3.5	M	92.5	12.4	7	160.0	898	5
Genesis	G3580ES ↗	E3,ST	3.5	M	90.7	11.8	18	160.0	881	6
Dyna-Gro	S31EN14 ↗	E3	3.1	M	89.8	10.8	17	154.7	872	7
Apex	AE3550S ↗	E3,ST	3.5	M	89.5	11.5	6	160.0	869	8
NuTech	34N02E ↗	E3	3.4	PK	88.8	10.9	10	160.0	862	9
FS HiSOY	HS 36F40 ↗	RXF	3.6	M	88.6	13.4	27	160.0	859	10
Hoegemeyer	3605 E ↗	E3	3.6	M	87.9	10.2	20	160.0	854	11
Xitavo	XO 3375E ↗	E3	3.3	M	87.9	12.1	19	160.0	854	12
ProHarvest	35E52 ↗	E3	3.5	M	87.9	11.8	3	160.0	854	13
Stine	31EF02 § ↗	E3	3.1	M	87.8	12.5	20	160.0	853	14
Stine	35EG92 § ↗	E3	3.5	M	87.4	12.3	26	160.0	849	15
Xitavo	XO 3224E ↗	E3	3.2	PK	85.8	10.8	17	160.0	833	16
NK Brand	NK36-Q6E3S ↗	E3,ST	3.6	M	85.4	12.5	10	160.0	829	17
Genesis	G3380E ↗	E3	3.3	PK	85.0	11.4	19	160.0	825	18
Cornelius	CB33XF26 ↗	RXF	3.3	M	84.7	13.3	32	154.7	822	20
Apex	AE3540S ↗	E3,ST	3.5	M	84.5	13.1	34	160.0	820	21
Hoegemeyer	3185 E ↗	E3	3.1	M	84.3	11.0	6	160.0	819	22
Golden Harvest	GH3655E3S ↗	E3,ST	3.6	M	83.1	9.8	15	160.0	807	23
NuTech	32N04E ↗	E3	3.2	M	82.3	11.4	23	160.0	799	24
FS HiSOY	HS 34E40 ↗	E3	3.4	PK	82.3	12.8	3	160.0	799	25
P3 Genetics	2434E ↗	E3	3.4	PK	82.2	12.0	13	160.0	798	26
Asgrow	AG36XF4 § ↗	RXF	3.6	R	82.2	15.6	34	160.0	790	27
Apex	AE3131S ↗	E3,ST	3.1	M	80.0	11.5	20	160.0	777	28
Stine	36EE12 § ↗	E3	3.6	M	78.7	9.5	10	160.0	764	29
FS HiSOY	HS 34F30 ↗	RXF	3.4	M	77.9	10.1	29	154.7	756	30
NuTech	35N05E ↗	E3	3.5	PK	77.7	10.4	7	160.0	754	31
PIONEER	P30A75E CK	E3	3.0	MR	84.9	11.4	2	160.0	824	19
					Averages =	84.8	11.7	18	158.8	823
					LSD (0.10) =	4.1	1.8	11		
					LSD (0.25) =	2.2	1.0	6		
					C.V. =	4.6	Historic yield: 71.3 bu/a, 14 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: Oct. 3, 2024

Revised: 10/10/2024 Revised stand values to the correct unit, NO yield or rank changes

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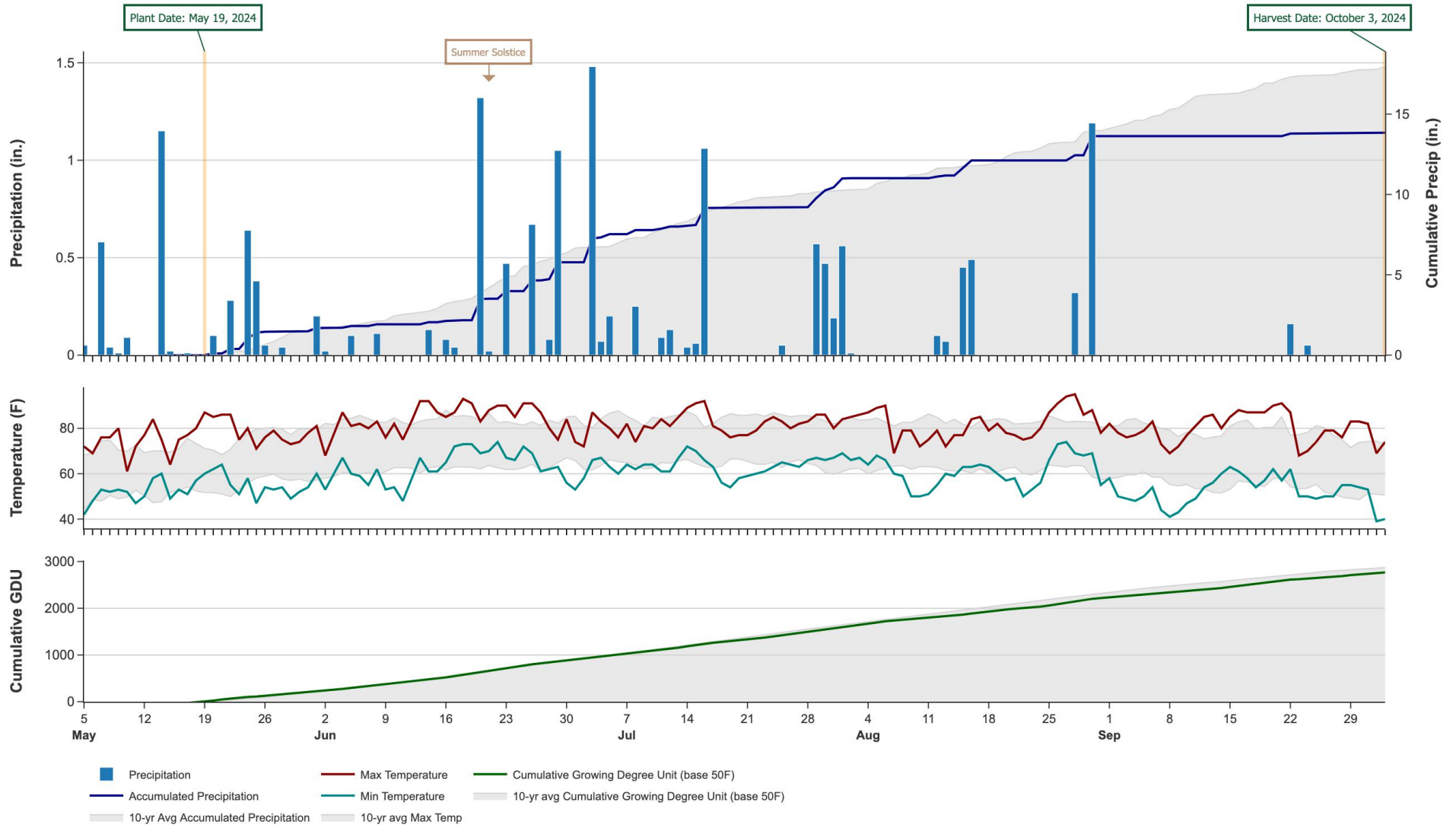
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2024 Soybeans - Iowa South [IASO]

Weather Conditions Summary at WASHINGTON, IA

Weather Data Retrieved: 10/10/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	3.4 3.7 (-0.3)	4.3 4.9 (-0.6)	4.7 3.9 (+0.8)	3.2 3.7 (-0.5)	0.2 3.8 (-3.6)	0.0 0.2 (-0.2)	15.8 20.2 (-4.4)
GDU Avg (Diff)	409 360 (+48)	686 678 (+7)	682 752 (-70)	654 695 (-41)	508 513 (-5)	39 37 (+1)	2978 3038 (-60)



* 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.