

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

2021 Soybeans Top 30 Harvest Report

Iowa South [IASO] OAKLAND, IA

Mark & Keith Bentley, Pottawattamie County, IA 51560

Early-Season Test	Maturity Group 2.5 - 3.0 S2021IASO51a
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / 2-4d, Glyphosate, Accuron
SOIL DESCRIPTION:	Judson sandy clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.8 pH, 3.7% OM, 15.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Fierce Xt, Glyphosate, 2-4d, Liberty,
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 14 160.0 /A 15" spacing
HARVESTED - STAND:	Nov 7 156.6 /A

TEST COMMENTS:

Planting went well with good soil moisture and plants emerged well. Mark and Keith are outstanding host farmers with a great location and they have always protected our plots. This year with the use of multiple herbicides and having the sprayer triple rinsed, there was signs of damage to the plot. Mark noticed that many varieties had stems die and then plants started new shoots below the damaged area and did fill with pods. Plants stood 30 to 57 inches tall, lodging was evident with tall plants. Due to herbicide damage to dicamba intolerant beans, the results are not reported.



Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.03 Prices: GMO = \$12.12

Company/Brand	Product/Brand	Yield †	Mo	Shr	Yield Bu/a	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/bu	Rank
Golden Harvest	GH2202F g	80†	2.7	ns	81.9	12.5	44	157.0	1114	1
Argus	AG2002F g	80†	2.8	ns	82.4	12.7	45	156.3	1099	2
Cherokee	CH2024 g	80†	2.8	ns	82.8	12.4	45	157.0	1041	3
Argus	AG2002F g	80†	2.8	ns	82.8	12.5	45	157.0	1040	4
PI Hybrid	PI2110 g	80†	2.8	ns	83.4	12.5	38	157.0	1033	5
Argus	AG2002F g	80†	2.8	ns	83.5	12.5	45	157.0	1011	6
Golden Harvest	GH2202F g	80†	2.8	ns	83.5	12.2	45	157.0	1008	7
Argus	AG2002F g	80†	2.8	ns	83.7	12.7	45	157.0	993	8
PI Hybrid	PI2110 g	80†	2.8	ns	83.8	12.5	38	157.0	987	9
Argus	AG2002F g	80†	2.8	ns	84.4	12.5	45	157.0	982	10
Maximizer	MX2043 g	83	2.8	ns	84.4	12.1	37	157.0	982	11
PI Hybrid	PI2002 g	83	2.8	ns	84.5	12.5	38	157.0	981	12
PI Hybrid	PI2002 g	83	2.8	ns	84.6	12.5	41	156.3	980	13
PI Hybrid	PI2002 g	83	2.8	ns	84.6	12.8	35	156.3	945	14
Golden Harvest	GH2202F g	83	2.8	ns	84.6	12.4	45	157.0	941	15
PI Hybrid	PI2110 g	83	2.8	ns	84.7	12.8	38	156.3	934	16
Argus	AG2002F g	83	2.8	ns	84.8	12.5	35	157.0	928	17
Argus	AG2002F g	83	2.8	ns	84.8	12.8	35	156.3	922	18
Argus	AG2002F g	83	2.8	ns	84.8	12.5	45	157.0	917	19
Maximizer	MX2110 g	83	2.8	ns	84.8	12.1	35	157.0	914	20
PI Hybrid	PI2110 g	83	2.7	ns	84.8	12.8	35	157.0	907	21
Golden Harvest	GH2202F g	83	2.8	ns	84.8	12.7	35	157.0	901	22
PI Hybrid	PI2002 g	83	2.8	ns	84.7	12.8	41	157.0	895	23
Golden Harvest	GH2202F g	83	2.8	ns	84.8	12.3	38	157.0	892	24
Argus	AG2002F g	83	2.8	ns	84.8	12.1	41	157.0	888	25
Maximizer	MX2110 g	83	2.8	ns	84.8	12.3	38	157.0	848	27
PI Hybrid	PI2002 g	83	2.8	ns	84.4	12.8	35	156.3	841	28
Argus	AG2002F g	83	2.8	ns	87.2	12.3	32	157.0	814	29
Golden Harvest	GH2202F g	83	2.8	ns	88.7	12.8	35	157.0	808	30

Averages = **77.9** **12.6** **48** **156.6** **944**


LSD (0.10) = 4.5 0.4 20

LSD (0.25) = 2.4 0.2 11

C.V. = 5.5

Historic yield: 68.61 bu/a, 11 yr(s)

Report Date: 11/08/2021

† 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.  New! Links to full product yield results at www.firstseedtests.com

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2021 Soybeans Top 30 Harvest Report

Iowa South [IASO] OAKLAND, IA

Mark & Keith Bentley, Pottawattamie County, IA 51560

Full-Season Test	Maturity Group 3.1 - 3.6 S2021IASO51b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / 2-4d, Glyphosate, Accuron
SOIL DESCRIPTION:	Judson sandy clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.8 pH, 3.7% OM, 15.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Fierce Xt, Glyphosate, 2-4d, Liberty,
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 14 160.0 /A 15" spacing
HARVESTED - STAND:	Nov 7 156.2 /A

TEST COMMENTS:

Planting went well with good soil moisture and plants emerged well. Mark and Keith are outstanding host farmers with a great location and they have always protected our plots. This year with the use of multiple herbicides and having the sprayer triple rinsed, there was signs of damage to the plot. Mark noticed that many varieties had stems die and then plants started new shoots below the damaged area and did fill with pods. Plants stood 30 to 57 inches tall, lodging was evident with tall plants. Due to herbicide damage to dicamba intolerant beans, the results are not reported.

Company/Brand	Product/Brand	Yield (bu)	Moisture (%)	Lodging (%)	Stand (bu/a)	Gross Income (\$/bu)	Rank			
Agropur	AG2007F2 g +	80F	12.2	ns	84.6	12.9	60	107.0	1148	1
Golden Harvest	GH2007DF +	80F	12.4	ns	85.9	12.9	64	107.0	1128	2
Agropur	AG2007F2 g +	80F	12.1	ns	81.4	12.4	58	107.0	1138	3
Golden Harvest	GH2007DF g +	80F	12.1	ns	81.1	12.9	47	107.0	1138	4
Krugger	K2000DF +	80F	12.1	ns	86.2	12.2	32	107.0	1180	5
Coronado	CB2007F42 +	80F	12.1	ns	81.2	12.8	37	106.2	1201	6
MR Brand	MR2007DF +	80F	12.4	ns	81.2	12.4	37	107.0	1179	7
Krugger	K2000DF +	80F	12.6	ns	81.2	12.1	37	107.0	1188	8
PG 5000F	50F10 +	80F	12.5	ns	81.2	12.1	37	107.0	1180	9
Cherokee	CH2007DF +	80F	12.5	ns	86.9	12.9	38	107.0	1148	10
Agropur	AG2007F2 g +	80F	12.5	ns	85.2	12.9	38	107.0	1130	11
Krugger	K2000DF +	80F	12.5	ns	86.2	12.8	42	106.2	1102	12
Coronado	CB2007F42 +	80F	12.5	ns	81.2	12.8	34	107.0	1207	13
DCM2000F	DM2007F25 +	80F	12.6	ns	81.2	12.1	31	107.0	1204	14
Crosby	CZ 2000F7L +	80F	12.6	ns	81.8	12.2	35	107.0	1209	15
McNair	MN2007 +	80	12.6	ns	79.8	12.2	38	107.0	1207	16
Krugger	K2000DF +	80F	12.6	ns	79.8	12.9	38	102.7	1209	17
PG 5000F	50F10 +	80	12.6	ns	79.1	12.1	31	107.0	1248	18
White Hybrid	WH2007DF +	80	12.4	ns	77.2	12.9	31	107.0	1217	19
Stax	ST2007 +	80	12.2	ns	79.8	12.8	31	106.2	1229	21
Coronado	CB2007 +	80	12.2	ns	79.8	12.8	31	106.2	1230	20
Stax	ST2007 +	80	12.6	ns	79.4	12.1	40	107.0	1206	22
MR Brand	MR2007 +	80	12.6	ns	79.8	12.4	48	106.2	1216	23
PG Coronado	PG2007 +	80	12.6	ns	79.1	12.8	35	102.7	1248	24
Stax	ST2007 +	80	12.1	ns	79.7	12.7	38	106.2	1209	26
Agropur	AG2007 +	80	12.4	ns	79.8	12.1	35	107.0	1202	27
Highlander	HL2007 +	80	12.1	ns	79.4	12.1	35	107.0	1217	28
PG 5000F	50F10 +	80	12.6	ns	79.8	12.8	35	107.0	1212	29
Agropur	AG2007 +	80	12.2	ns	77.2	12.2	35	107.0	1202	30
Golden Harvest	GH2007DF +	80,87	12.6	ns	77.1	12.2	31	107.0	1207	31

REJECTED



Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

Averages =	76.6	12.9	63	156.2	928
LSD (0.10) =	6.7	0.4	18		
LSD (0.25) =	3.5	0.2	10		
C.V. =	8.4			Historic yield: 68.61 bu/a, 11 yr(s)	

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.03 Prices: GMO = \$12.12

Report Date: 11/08/2021

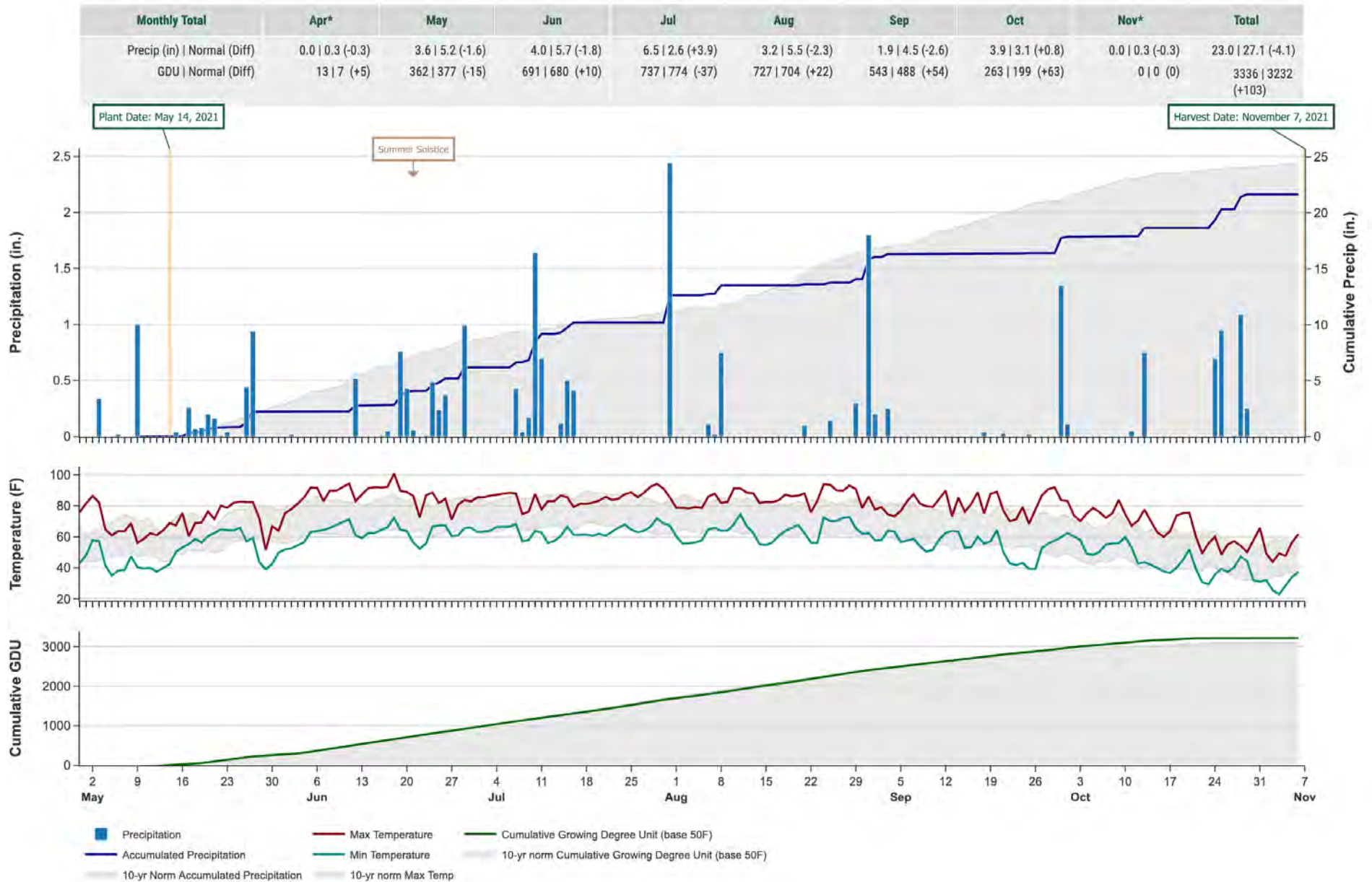
Additional reports available at www.firstseedtests.com

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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2021 Soybeans - Iowa South [IASO]

Weather Conditions Summary at OAKLAND, IA



* 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.

2021 Soybeans - Iowa South [IASO]

Early-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2920	E3	R	2.9	CMBV,SA
Asgrow	AG30XF2 §	RXF	R	3.0	ACi,IL
Champion	3022XL GC	RXF	NA	3.0	NA
Credenz	CZ 3099GTLL	LLGT27	R	3.1	PV,IL,OB
FS HiSOY	27E10	E3	R	2.7	ACi,B-200
FS HiSOY	28E10	E3	R	2.8	ACi,B-200
FS HiSOY	29F10	RXF	R	2.9	ACi,B-200
FS HiSOY	30F10	RXF	R	3.0	ACi,SA,B-200
Genesis	G2960E	E3	R	2.9	CMBV,SA
Golden Harvest	GH2562XF	RXF	R	2.5	CMBV,SA
Golden Harvest	GH2722XF §	RXF	MR	2.7	CMBV,SA
Golden Harvest	GH2872XF	RXF	R	2.8	CMBV,SA
Golden Harvest	GH2922E3	E3	R	2.9	CMBV,SA
Hoegemeyer	2660 E	E3	R	2.6	Lum,Lu,IL
Hoegemeyer	2831 E	E3	R	2.8	Lum,Lu,IL
Kruger	K2793XF	RXF	R	2.7	ACi,IL
Kruger	K2885XF	RXF	R	2.8	ACi,IL
Kruger	K2902XF	RXF	R	2.9	ACi,IL
Kruger	K3003XF	RXF	R	3.0	ACi,IL
Miller Hybrids	2503-E3 §	E3	R	2.5	NA
NuTech	26N06E	E3	R	2.6	Lum,Lu,IL
NuTech	28N02E	E3	R	2.8	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
NuTech	30N05E	E3	R	3.0	Lum,Lu,IL
Pioneer	P29T37E CK	E3	NA	2.9	NA
Pioneer	P30T99E §	E3	R	3.0	NA
Stine	28EC32 §	E3	R	2.8	SFI
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB

2021 Soybeans - Iowa South [IASO]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE3220	E3	R	3.2	CMBV,SA
Apex	AE3310	E3	R	3.3	CMBV,SA
Apex	AE3420	E3	R	3.4	CMBV,SA
Asgrow	AG31XF2 §	RXF	R	3.1	ACi
Asgrow	AG32XF2 §	RXF	R	3.2	ACi,IL
Asgrow	AG35XF1 §	RXF	R	3.5	Untreated
Channel	3022RXF GC	RXF	R	3.0	ACi,IL
Cornelius	CB31XF42	RXF	R	3.1	PG+
Cornelius	CB35XF65	RXF	R	3.5	PG+
Credenz	CZ 3309GTLL	LLGT27	R	3.3	PV,IL,OB
DONMARIO	DM36F62S	RXF	NA	3.6	CMBV
FS HiSOY	32E00	E3	R	3.2	ACi,SA,B-200
FS HiSOY	35E10	E3	R	3.5	ACi,B-200
FS HiSOY	35F10	RXF	R	3.5	ACi,B-200
FS HiSOY	36F10	RXF	R	3.6	ACi,B-200
Genesis	G3260E	E3	R	3.2	CMBV,SA
Genesis	G3460E	E3	R	3.4	CMBV,SA
Golden Harvest	GH3132E3 GC	E3	R	3.1	CMBV,SA
Golden Harvest	GH3192XF §	RXF	MR	3.1	CMBV,SA
Golden Harvest	GH3380E3	E3	NA	3.3	Untreated
Golden Harvest	GH3442XF	RXF	MR	3.4	CMBV,SA
Golden Harvest	GH3512E3S	E3,ST	MR	3.5	CMBV,SA
Hoegemeyer	3141 E	E3	R	3.1	Lum,Lu,IL
Hoegemeyer	3421 SE	E3,ST	R	3.4	Lum,Lu,IL
Hoegemeyer	3591 E	E3	R	3.5	Lum,Lu,IL
Kruger	K3103XF	RXF	R	3.1	ACi,IL
Kruger	K3305XF	RXF	R	3.3	ACi,IL
Kruger	K3594XF	RXF	R	3.5	ACi,IL
Kruger	K3603XF	RXF	R	3.6	ACi,IL
Miller Hybrids	3403-E3 GC	E3	R	3.4	NA
NK Brand	NK31-M7E3	E3	R	3.1	CMBV,SA
NK Brand	NK34-G1XF	RXF	MR	3.4	CMBV,SA
NK Brand	NK35-J6E3S §	E3,ST	MR	3.5	CMBV,SA
NK Brand	S35-E3	E3	R	3.5	CMBV,SA
NuTech	31N06E	E3	R	3.1	Lum,Lu,IL
NuTech	34N06E	E3	R	3.4	Lum,Lu,IL
NuTech	35N03E	E3	R	3.5	Lum,Lu,IL
P3 Genetics	2136E	E3	R	3.6	PG+
P3 Genetics	2234E	E3	R	3.4	PG+
Pioneer	P29T37E CK	E3	NA	2.9	NA
Stine	32EB02 §	E3	R	3.2	SFI
Stine	35EE32 §	E3	R	3.5	SFI

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 3131E	E3	R	3.1	PV,IL,OB
Xitavo	XO 3341E	E3	R	3.3	PV,IL,OB
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB

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,B-200	Acceleron® Standard Insecticide-Fungicide, B-200 SAT
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®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PG+	Profit Guard +
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.