

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

2023 Soybeans Top 30 Harvest Report

Iowa South Central [IASC] SLATER, IA
Jason Krause, Story County, IA 50244

Early-Season Test	Maturity Group 2.3 - 2.7 S2023IASC42a
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Ams, Explorer, Glyphosate
SOIL DESCRIPTION:	Webster clay loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 5.3 pH, 2.5% OM, 14.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Enlist
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 4 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 4 151.6 /A

TEST COMMENTS:

This plot was planted in very good conditions and emerged very well. The area did not catch rain from mid-July to the first of August and then no rain fell from mid-August until mid-September. The plot was accidentally sprayed with Enlist herbicide, damaging non-tolerant varieties. The tolerant varieties stood well at harvest, and results are reported. These results will not be included in the Region Summary report.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
P3 Genetics	2326E ↗	E3	2.6	R	72.1	12.3	1	152.0	917	1
Xitavo	XO 2613E ↗	E3	2.6	R	67.9	12.0	1	152.0	864	2
LG Seeds	LGS2505E3 GC ↗	E3	2.5	NA	67.9	11.4	1	152.0	864	3
FS HiSOY	HS 25E30 ↗	E3	2.5	R	66.4	12.5	4	152.0	845	5
Golden Harvest	GH2674E3 § ↗	E3	2.6	MR	65.9	13.2	1	152.0	838	6
Xitavo	XO 2501E ↗	E3	2.5	R	65.8	11.8	1	152.0	837	7
FS HiSOY	HS 26E20 ↗	E3	2.6	R	65.4	12.6	1	152.0	832	8
Xitavo	XO 2444E ↗	E3,ST	2.4	R	64.3	11.1	1	152.0	818	9
Stine	27EG22 § ↗	E3	2.7	R	63.6	12.7	1	152.0	809	10
Genesis	G2550E ↗	E3	2.5	R	62.9	12.8	1	149.3	800	11
Genesis	G2780E ↗	E3	2.7	R	62.6	12.2	1	152.0	796	12
Brevant	B263EE GC ↗	E3	2.6	R	62.3	10.5	1	152.0	792	13
P3 Genetics	2325E ↗	E3	2.5	R	62.1	11.8	1	152.0	790	14
Genesis	G2480E ↗	E3	2.4	R	61.7	12.5	1	152.0	785	15
Xitavo	XO 2323E ↗	E3	2.3	R	61.6	12.2	1	152.0	784	16
NuTech	24N05E ↗	E3	2.4	R	61.5	11.1	1	152.0	782	17
NuTech	27N06E ↗	E3	2.7	R	60.7	10.9	1	152.0	772	18
Titan Pro	TP 25E22 ↗	E3	2.5	R	60.5	11.7	1	152.0	770	19
Hoegemeyer	2724 E ↗	E3	2.7	R	59.7	10.3	1	149.3	759	20
Hoegemeyer	2484 E ↗	E3	2.4	R	58.7	11.7	1	152.0	747	21
Pioneer	P25A16E § ↗	E3	2.5	R	58.1	10.9	1	152.0	739	22
NuTech	27N03E ↗	E3	2.7	R	56.0	12.4	1	149.3	712	23
NuTech	25N04E ↗	E3	2.5	R	56.0	10.9	1	152.0	712	24
FS HiSOY	HS 27E30 ↗	E3	2.7	R	51.4	13.1	1	149.3	654	25
PIONEER	P30A75E CK	E3	3.0	MR	67.4	10.5	1	152.0	857	4
					Averages =	62.5	11.8	1	151.6	568
					LSD (0.10) =	4.2	0.7	ns		
					LSD (0.25) =	2.2	0.4	ns		
					C.V. =	6.4	Historic yield: 51.33 bu/a, 13 yr(s)			
Yield & Income Factors:			Base Moisture = 13.0%	Shrink = 1.3	Drying = \$0.04	Prices: GMO = \$12.72				



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Report Date: 10/06/2023

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 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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Full-Season Test	Maturity Group 2.8 - 3.2 S2023IASC42b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL CONDITION:	medium P, medium K, 5.3 pH, 2.5% OM, 14.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Enlist
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 4 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 4 151.8 /A

TEST COMMENTS:

This plot was planted in very good conditions and emerged very well. The area did not catch rain from mid-July to the first of August and then no rain fell from mid-August until mid-September. The plot was accidentally sprayed with Enlist herbicide, damaging non-tolerant varieties. The tolerant varieties stood well at harvest, and results are reported. These results will not be included in the Region Summary report.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Apex	AE3131S ↗	E3,ST	3.1	R	73.5	11.3	1	152.0	935	1
Mustang	29E224 ↗	E3	2.9	R	70.3	9.5	1	152.0	894	2
Xitavo	XO 2832E ↗	E3	2.8	R	64.5	12.5	1	152.0	820	4
Stine	28EG29 § ↗	E3	2.8	R	64.3	11.8	1	152.0	818	5
Xitavo	XO 2963E ↗	E3	2.9	R	64.0	11.1	1	152.0	814	6
FS HiSOY	HS 32E30 ↗	E3	3.2	R	63.8	11.3	1	152.0	812	7
Golden Harvest	GH2814E3S § ↗	E3,ST	2.8	MR	63.2	11.9	1	152.0	804	8
NuTech	29N02E ↗	E3	2.9	R	63.2	11.2	1	152.0	804	9
Apex	AE2940S ↗	E3,ST	2.9	R	63.1	10.9	1	152.0	803	10
Mustang	32E424 ↗	E3	3.2	R	63.0	11.9	1	152.0	801	11
FS HiSOY	HS 31E20 ↗	E3,ST	3.1	R	62.8	10.2	1	152.0	799	12
Pioneer	P31A73E § ↗	E3	3.1	R	62.7	10.7	1	152.0	798	13
Xitavo	XO 3224E ↗	E3	3.2	R	61.5	9.6	2	152.0	782	14
P3 Genetics	2331E ↗	E3	3.1	R	61.5	10.9	1	152.0	782	15
Hoegemeyer	2834 E ↗	E3	2.8	R	61.5	10.0	1	152.0	782	16
Titan Pro	TP 29E23 ↗	E3	2.9	R	61.1	9.8	1	152.0	777	17
P3 Genetics	2429E ↗	E3	2.9	R	61.1	10.1	1	152.0	777	18
Hoegemeyer	3134 E ↗	E3	3.1	R	60.6	11.3	1	152.0	771	19
NuTech	29N04E ↗	E3	2.9	R	60.1	11.1	1	152.0	764	20
Xitavo	XO 3014E ↗	E3,ST	3.0	R	59.8	10.3	1	152.0	761	21
Genesis	G3171ES ↗	E3,ST	3.1	R	56.8	11.5	1	152.0	722	22
Genesis	G2960E § ↗	E3	2.9	R	56.6	12.3	1	152.0	720	23
FS HiSOY	HS 28E10 ↗	E3	2.8	R	53.4	12.6	1	152.0	679	24
NuTech	31N07E ↗	E3	3.1	R	53.2	11.6	1	146.7	677	25
Pioneer	P28A65E § ↗	E3	2.8	R	51.8	10.0	1	152.0	659	26
PIONEER	P30A75E CK	E3	3.0	MR	66.6	10.2	1	152.0	847	3
					Averages =	61.7	11.0	1	151.8	567
					LSD (0.10) =	3.8	0.8	ns		
					LSD (0.25) =	2.0	0.4	ns		
Randy Meinsma					C.V. =	5.9				
randym@firstseedtests.com, (815) 238-8007					Historic yield: 51.33 bu/a, 13 yr(s)					
Yield & Income Factors:			Base Moisture = 13.0%	Shrink = 1.3	Drying = \$0.04	Prices: GMO = \$12.72				

Report Date: 10/06/2023

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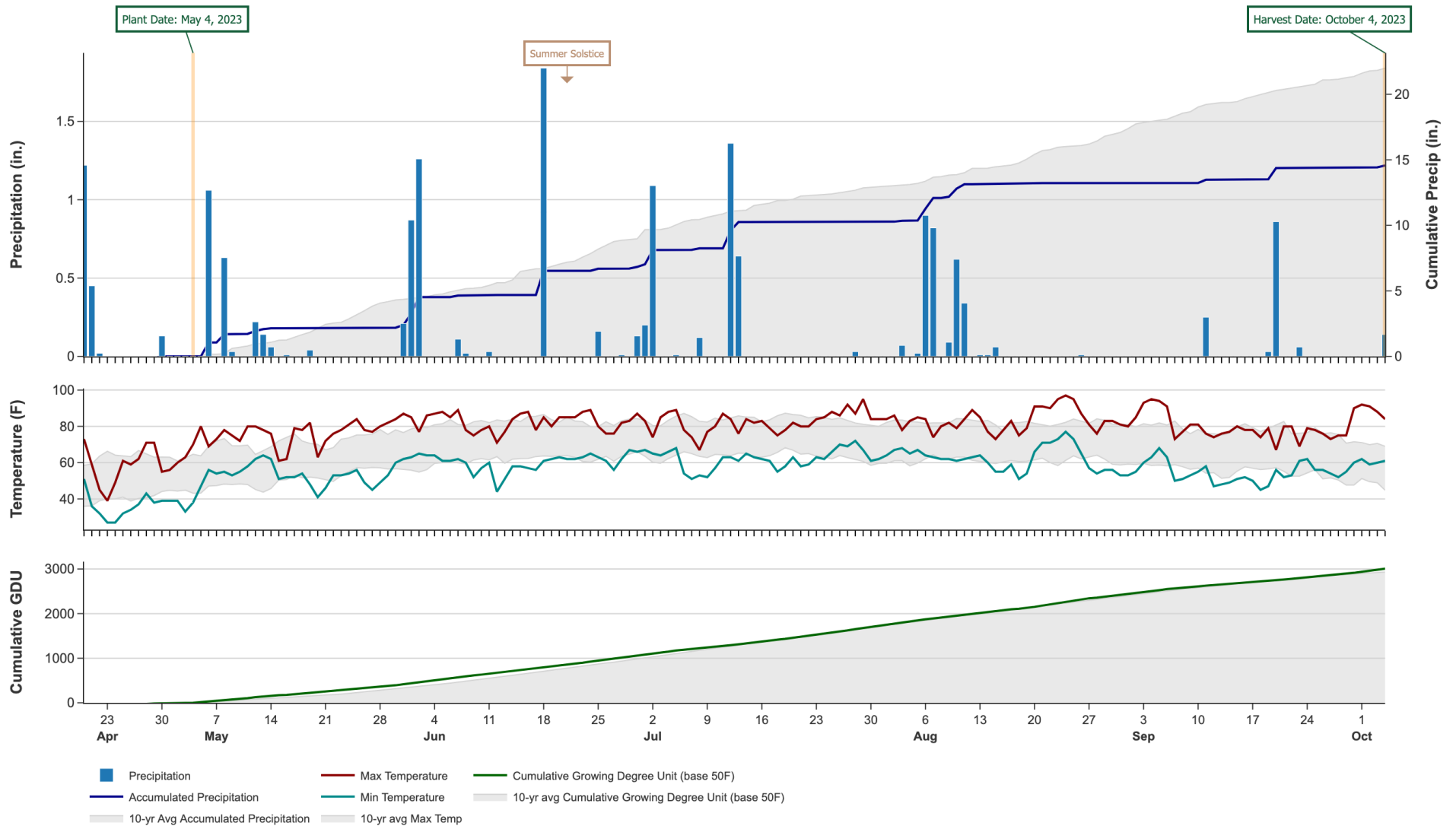
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2023 Soybeans - Iowa South Central [IASC]

Weather Conditions Summary at SLATER, IA

Weather Data Retrieved: 10/06/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.8 1.3 (+0.6)	2.4 5.2 (-2.9)	4.4 4.6 (-0.2)	3.5 4.0 (-0.5)	3.0 4.1 (-1.2)	1.2 4.3 (-3.1)	0.1 0.6 (-0.5)	16.4 24.2 (-7.8)
GDU Avg (Diff)	33 64 (-31)	432 352 (+79)	636 658 (-22)	673 732 (-59)	690 673 (+16)	500 500 (0)	92 40 (+51)	3056 3022 (+33)



* 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.

2023 Soybeans - Iowa South Central [IASC]

Early-Season Test Products (35 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
Brevant	B263EE	E3	R	2.6	Lum,Lu,Lud,IL
Channel	2321RXF	RXF	MR	2.3	Untreated
Channel	2721RXF	RXF	R	2.7	Untreated
Cornelius	CB27XF72	RXF	R	2.7	PG+
FS HiSOY	HS 25E30	E3	R	2.5	ACi,SA
FS HiSOY	HS 26E20	E3	R	2.6	ACi,SA
FS HiSOY	HS 26F20	RXF	R	2.6	ACi,SA
FS HiSOY	HS 27E30	E3	R	2.7	ACi,SA
Genesis	G2480E	E3	R	2.4	EcQ,NF,NH,SA
Genesis	G2550E	E3	R	2.5	EcQ,NF,NH,SA
Genesis	G2780E	E3	R	2.7	EcQ,NF,NH,SA
Golden Harvest	GH2544XF	RXF	R	2.5	CMB-APX,SA
Golden Harvest	GH2674E3	E3	MR	2.6	CMB-APX,SA
Hoegemeyer	2484 E	E3	R	2.4	Lum,Lu,IL
Hoegemeyer	2724 E	E3	R	2.7	Lum,Lu,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Kruger	K2604XF	RXF	R	2.6	ACi,IL
LG Seeds	LGS2505E3	E3	NA	2.5	ASfi,SA
NuTech	24N05E	E3	R	2.4	Lum,Lu,Lud,IL
NuTech	25N04E	E3	R	2.5	Lum,Lu,IL
NuTech	27N03E	E3	R	2.7	Lum,Lu,IL
NuTech	27N06E	E3	R	2.7	Lum,Lu,IL
P3 Genetics	2325E	E3	R	2.5	PG+
P3 Genetics	2326E	E3	R	2.6	PG+
Pioneer	P25A16E	E3	R	2.5	NA
Pioneer	P30A75E	E3	MR	3.0	Lum, LumT, IL
Stine	24FD32	RXF	R	2.4	ACi
Stine	27EG22	E3	R	2.7	ACi
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,TU
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Xitavo	XO 2444E	E3,ST	R	2.4	PV,IL,OB,Rey
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB,Rey
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey

2023 Soybeans - Iowa South Central [IASC]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2940S	E3,ST	R	2.9	PU
Apex	AE3131S	E3,ST	R	3.1	PU
Asgrow	AG28XF3	RXF	R	2.8	ACi,IL
Asgrow	AG30XF4	RXF	R	3.0	ACi,IL
Cornelius	CB29XF44	RXF	R	2.9	PG+
FS HiSOY	HS 28E10	E3	R	2.8	ACi,SA
FS HiSOY	HS 28F30	RXF	R	2.8	ACi,SA
FS HiSOY	HS 31E20	E3,ST	R	3.1	ACi,SA
FS HiSOY	HS 32E30	E3	R	3.2	ACi,SA
Genesis	G2960E	E3	R	2.9	EcQ,NF,NH,SA
Genesis	G3171ES	E3,ST	R	3.1	EcQ,NF,NH,SA
Golden Harvest	GH2814E3S	E3,ST	MR	2.8	CMB-APX,SA
Golden Harvest	GH2884XF	RXF	MR	2.8	NA
Golden Harvest	GH3023XF	RXF	R	3.0	CMB-APX,SA
Hoegemeyer	2834 E	E3	R	2.8	Lum,Lu,IL
Hoegemeyer	3134 E	E3	R	3.1	Lum,Lu,IL
Kruger	K2816XF	RXF	R	2.8	ACi,IL
Kruger	K3003XF	RXF	R	3.0	ACi,IL
Kruger	K3214XF	RXF	R	3.2	ACi,IL
Mustang	29E224	E3	R	2.9	Treated
Mustang	32E424	E3	R	3.2	Treated
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
NuTech	29N04E	E3	R	2.9	Lum,Lu,IL
NuTech	31N07E	E3	R	3.1	Lum,Lu,IL
P3 Genetics	2331E	E3	R	3.1	PG+
P3 Genetics	2429E	E3	R	2.9	PG+
Pioneer	P28A65E	E3	R	2.8	Lum, LumT, IL
Pioneer	P30A75E	E3	MR	3.0	Lum, LumT, IL
Pioneer	P31A73E	E3	R	3.1	Lum, LumT, IL
ProHarvest	32F26	RXF	R	3.2	PU
Stine	28EG29	E3	R	2.8	ACi
Titan Pro	TP 29E23	E3	R	2.9	SA,A,R,TU
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 2963E	E3	R	2.9	PV,IL,OB,Rey
Xitavo	XO 3014E	E3,ST	R	3.0	PV,IL,OB,Rey
Xitavo	XO 3224E	E3	R	3.2	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®
RRX	Roundup Ready 2 Xtend®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Salstro®
ASfi,SA	AgriShield Max with Salstro®
CMB-APX,SA	CruiserMaxx® APX with Salstro®
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Salstro
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Salstro, AllegianceFL, Redigo480, TriUp
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.