

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

2023 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] GALVA, IA
Tom Andresen, Ida County, IA 51025

Early-Season Test	Maturity Group 2.1 - 2.5 S2023IANC01a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surpass Nxt, Impact
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 6.2 pH, 4.8% OM, 21.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Prowl, Liberty 280 SI
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 16 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 126.8 /A

TEST COMMENTS:

Shows during the first couple weeks of May pushed back soybean planting in the area for many farmers. Once planted, emergence was fast and plant vigor was excellent. Little pop-up storms brought some moisture regularly through mid-July, but not much more than a half inch. The crop was just beginning to show stress during the first week of August, when 4.6" fell during a big storm on Aug 6-7. All of that moisture probably didn't completely soak into the soil profile, but it did help fill pods and add seed size toward the end of the year. It is suspected that an inadvertent application of a 2,4-D containing product was applied to this field which damaged all non-Enlist E3 beans, with significant differences between tolerant and non-tolerant varieties. Only the E3 soybeans are presented in the early-season test. The full-season test had drought variability as well, and the data was rejected. These tests will be excluded from the region summary.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
P3 Genetics	2325E ↗	E3	2.5	R	70.8	12.9	1	130.0	892	1
P3 Genetics	2322E ↗	E3	2.2	R	69.3	13.3	1	127.3	873	2
Apex	AE2440 ↗	E3	2.4	R	68.8	12.8	1	127.3	867	3
P3 Genetics	2424E ↗	E3	2.4	R	68.1	13.1	1	130.0	858	4
FS HiSOY	HS 24E30 ↗	E3	2.4	R	68.0	13.1	1	127.3	857	5
Titan Pro	TP 25E22 ↗	E3	2.5	R	67.5	12.7	1	122.0	850	6
Xitavo	XO 2444E ↗	E3,ST	2.4	R	67.5	12.7	1	122.0	850	7
FS HiSOY	HS 25E30 ↗	E3	2.5	R	67.4	12.6	1	124.7	849	8
Xitavo	XO 2501E ↗	E3	2.5	R	66.5	13.0	1	130.0	838	9
Zinesto	Z2202E ↗	E3	2.2	NA	66.2	13.4	1	130.0	834	10
NuTech	25N04E ↗	E3	2.5	R	66.0	12.6	1	127.3	832	11
Zinesto	Z2404E ↗	E3	2.4	R	66.0	12.7	1	130.0	832	12
NuTech	24N05E ↗	E3	2.4	R	65.4	13.1	1	127.3	824	14
Genesis	G2550E ↗	E3	2.5	R	65.4	13.5	1	124.7	823	15
FS HiSOY	HS 23E10 ↗	E3,ST	2.3	R	65.2	13.3	2	124.7	821	16
Hoegemeyer	2484 E ↗	E3	2.4	R	64.7	12.9	1	130.0	815	17
NuTech	22N03E ↗	E3	2.2	R	64.0	13.2	1	127.3	806	18
Hoegemeyer	2194 E ↗	E3	2.1	R	63.6	13.3	1	124.7	801	19
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	63.5	13.2	1	127.3	800	20
Xitavo	XO 2282E ↗	E3	2.2	R	62.4	13.4	1	125.0	786	21
P3 Genetics	2421E ↗	E3	2.1	R	62.2	13.8	1	127.3	783	22
Genesis	G2480E ↗	E3	2.4	R	61.9	12.8	1	130.0	780	23
Stine	21EG32 § ↗	E3	2.1	R	60.1	14.0	2	130.0	756	24
Xitavo	XO 2323E ↗	E3	2.3	R	57.5	13.1	2	124.7	724	25
Zinesto	Z2101E ↗	E3	2.1	R	57.4	13.4	2	124.7	723	26
Zinesto	Z2303E ↗	E3	2.3	R	56.9	13.1	1	124.7	717	27
CROPLAN	CP2520E CK	E3	2.5	R	65.9	13.3	1	122.0	830	13
					Averages =	64.8	13.1	1	126.8	612
					LSD (0.10) =	3.9	0.3	ns		
					LSD (0.25) =	2.0	0.2	ns		
					C.V. =	5.6				
					Historic yield: 60.5 bu/a, 19 yr(s)					

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$12.60

Report Date: 10/08/2023

† 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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Top 30 of 34	For Gross Income (Sorted by Yield) Average of (3) Replications
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PEST MANAGEMENT:	Prowl, Liberty 280 SI
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SEEDED - RATE - ROW:	May 16 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 126.4 /A

TEST COMMENTS:

Shows during the first couple weeks of May pushed back soybean planting in the area for many farmers. Once planted, emergence was fast and plant vigor was excellent. Little pop-up storms brought some moisture regularly through mid-July, but not much more than a half inch. The crop was just beginning to show stress during the first week of August, when 4.6" fell during a big storm on Aug 6-7. All of that moisture probably didn't completely soak into the soil profile, but it did help fill pods and add seed size toward the end of the year. It is suspected that an inadvertent application of a 2,4-D containing product was applied to this field which damaged all non-Enlist E3 beans, with significant differences between tolerant and non-tolerant varieties. Only the E3 soybeans are presented in the early-season test. The full-season test had drought variability as well, and the data was rejected. These tests will be excluded from the region summary.

Company/Brand	Product/Brand	Yield †	MO	ECG	Yield	Moisture	Shrink	Seed	Gross Income	Rank
				Seed	bu/a	%	%	lb (1000)	\$/acre	
McNish	27644E +	83	2.6	NS	66.1	13.6	1	127.3	871	1
McNish	27642E +	83	2.7	NS	66.5	13.6	1	127.3	863	2
McNish	40 2813E +	83	2.8	NS	67.8	13.6	1	130.0	854	3
McNish	281322G +	83	2.8	NS	67.2	13.2	1	127.3	846	4
Proseed	F26442E G +	83	2.8	NS	66.8	13.6	1	126.7	840	5
FG Harvest	46 2813E +	83	2.8	NS	67.2	13.4	1	127.3	838	6
McNish	27646E +	83	2.7	NS	66.4	13.6	1	126.7	837	7
Progeny	2724 E GC +	83	2.7	NS	66.2	13.6	1	126.7	834	8
Progeny	2724 E GC +	83	2.7	NS	66.2	13.1	1	124.7	834	10
McNish	28642E +	83	2.8	NS	66.2	13.6	1	124.7	833	11
McNish	40 2813E +	83	2.8	NS	66.1	13.6	1	130.0	833	12
Golden Harvest	420274E3 G +	83	2.8	NS	66.1	13.1	1	124.7	831	14
Proseed	F26416E G +	83	2.7	NS	66.2	13.7	3	123.3	830	13
Mulling	286224 +	83	2.7	NS	65.8	13.6	1	127.3	827	15
Proseed	F26417E G +	83	2.7	NS	65.8	13.1	1	124.7	826	16
FG Harvest	46 2813E +	83	2.8	NS	66.2	13.2	1	126.0	825	17
FG Harvest	27646E +	83	2.8	NS	66.2	13.6	1	124.7	819	18
Genesys	52764E +	83	2.7	NS	66.2	13.2	1	124.7	818	19
Tom Pro	19 2813E +	83	2.8	NS	66.3	13.6	2	124.7	810	20
FG Harvest	46 2813E +	83	2.7	NS	66.3	13.1	1	124.7	810	21
McNish	40 2813E +	83	2.8	NS	66.2	13.4	1	130.0	808	22
Zeevis	27646E +	83	2.7	NS	65.5	13.6	1	126.7	805	23
McNish	276422G +	83	2.7	NS	65.3	13.2	1	127.3	797	24
Zeevis	27642E +	83	2.8	NS	67.4	13.2	1	130.0	779	25
Golden Harvest	420274E3 G +	83.87	2.8	NS	67.2	13.6	2	130.0	771	26
Zeevis	27646E +	83	2.8	NS	67.1	13.6	1	130.0	770	27
McNish	40 2813E +	83	2.8	NS	66.2	13.2	1	130.0	746	28

REJECTED

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Averages = **65.2** **13.0** **1** **126.4** **676**

LSD (0.10) = ns ns 1

LSD (0.25) = ns ns 0

C.V. = 6.1

Historic yield: 60.5 bu/a, 19 yr(s)

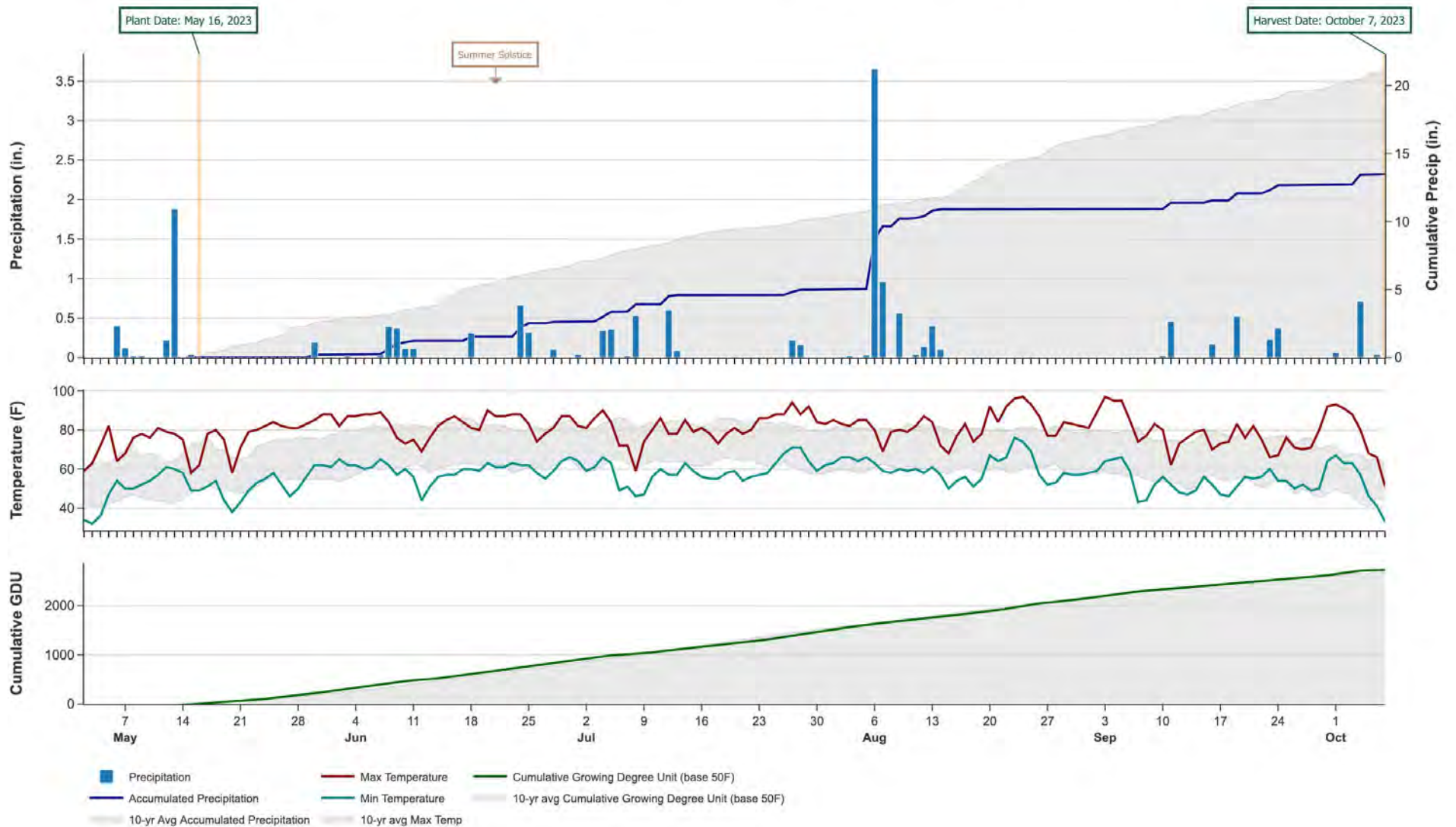
Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.60

2023 Soybeans - Iowa North Central [IANC]

Weather Conditions Summary at GALVA, IA

Weather Data Retrieved: 10/08/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.9 4.6 (-1.7)	2.4 4.0 (-1.6)	2.4 3.5 (-1.1)	5.9 5.8 (+0.1)	1.8 3.7 (-2.0)	0.8 1.4 (-0.6)	16.2 23.1 (-6.9)
GDU Avg (Diff)	412 313 (+98)	631 633 (-2)	616 699 (-83)	645 625 (+19)	478 458 (+19)	111 58 (+52)	2893 2789 (+103)



* 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 North Central [IANC]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2440	E3	R	2.4	PU
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG25XF3 §	RXF	R	2.5	ACi,IL
Cornelius	CB23XF63	RXF	R	2.3	PG+
Cornelius	CB25XF99	RXF	R	2.5	PG+
Croplan	CP2520E CK	E3	R	2.5	W
FS HiSOY	HS 23E10	E3,ST	R	2.3	ACi,SA
FS HiSOY	HS 23F10	RXF	R	2.3	ACi,SA
FS HiSOY	HS 24E30	E3	R	2.4	ACi,SA
FS HiSOY	HS 25E30	E3	R	2.5	ACi,SA
Genesis	G2480E	E3	R	2.4	EcQ,NF,NH,SA
Genesis	G2550E	E3	R	2.5	EcQ,NF,NH,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMB-APX,SA
Golden Harvest	GH2544XF §	RXF	R	2.5	CMB-APX,SA
Hoegemeyer	2194 E	E3	R	2.1	Lum, LumT, IL
Hoegemeyer	2484 E	E3	R	2.4	Lum,Lu,IL
Kruger	K2115XF	RXF	R	2.1	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
NuTech	22N03E	E3	R	2.2	Lum,Lu,Lud,IL
NuTech	24N05E	E3	R	2.4	Lum,Lu,Lud,IL
NuTech	25N04E	E3	R	2.5	Lum,Lu,IL
P3 Genetics	2322E	E3	R	2.2	PG+
P3 Genetics	2325E	E3	R	2.5	PG+
P3 Genetics	2421E	E3	R	2.1	PG+
P3 Genetics	2424E	E3	R	2.4	PG+
Stine	21EG32 §	E3	R	2.1	ACi
Stine	24FD32 §	RXF	R	2.4	ACi
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,TU
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
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
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	DST5
Zinesto	Z2303E	E3	R	2.3	DST5
Zinesto	Z2404E	E3	R	2.4	DST5

2023 Soybeans - Iowa North Central [IANC]

Full-Season Test Products (34 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG28XF3 §	RXF	R	2.8	ACi,IL
Cornelius	CB27XF72	RXF	R	2.7	PG+
Croplan	CP2520E CK	E3	R	2.5	W
FS HiSOY	HS 26E20	E3	R	2.6	ACi,SA
FS HiSOY	HS 27E30	E3	R	2.7	ACi,SA
FS HiSOY	HS 28E10	E3	R	2.8	ACi,SA
FS HiSOY	HS 28F30	RXF	R	2.8	ACi,SA
Genesis	G2780E	E3	R	2.7	EcQ,NF,NH,SA
Golden Harvest	GH2674E3 §	E3	MR	2.6	CMB-APX,SA
Golden Harvest	GH2814E3S §	E3,ST	MR	2.8	CMB-APX,SA
Hoegemeyer	2724 E GC	E3	R	2.7	Lum,Lu,IL
Hoegemeyer	2834 E GC	E3	R	2.8	Lum,Lu,IL
Kruger	K2604XF	RXF	R	2.6	ACi,IL
Kruger	K2816XF	RXF	R	2.8	ACi,IL
Mustang	29E224	E3	R	2.9	Treated
NuTech	27N03E	E3	R	2.7	Lum,Lu,IL
NuTech	27N06E	E3	R	2.7	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
NuTech	29N04E	E3	R	2.9	Lum,Lu,IL
P3 Genetics	2326E	E3	R	2.6	PG+
Pioneer	P26T57E §	E3	R	2.6	Untreated
Pioneer	P28A65E §	E3	R	2.8	Untreated
Pioneer	P29A19E §	E3	MR	2.9	Untreated
Stine	27EG22 §	E3	R	2.7	ACi
Stine	28EG29 §	E3	R	2.8	ACi
Titan Pro	TP 29E23	E3	R	2.9	SA,A,R,TU
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB,Rey
Xitavo	XO 2963E	E3	R	2.9	PV,IL,OB,Rey
Zinesto	Z2604E	E3	R	2.6	DST5
Zinesto	Z2700E	E3	R	2.7	DST5
Zinesto	Z2902E	E3	NA	2.9	DST5

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®
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, Saltro®
CMB-APX,SA	CruiserMaxx® APX with Saltro®
DST5	Dominance 5 ST
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
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	Saltro, AllegianceFL, Redigo480, TriUp
Treated	Treated, unspecified
Untreated	No seed treatment
W	Warden® CX

* Seed treatments may include unspecified plant health promoting components.