

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

## 2024 Soybeans Top 30 Harvest Report

Iowa North [IANO] LU VERNE, IA  
Bob Plathe, Kossuth County, IA 50560

<b>All-Season Test</b>	Maturity Group <b>1.6 - 2.5</b> S2024IANO01
<b>Top 30 of 63</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Harness, Impact, Atrazine
<b>SOIL DESCRIPTION:</b>	Kossuth silty clay loam, mod. poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, medium K, 5.9 pH, 4.6% OM, 26.4 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Liberty 280 SI, Outlook, Roundup, Section Three, Bifenture Ec
<b>FERTILITY - Applied N:</b>	100 Fall
<b>Applied N-P-K (units):</b>	100-80-60
<b>SEEDED - RATE - ROW:</b>	May 18 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 2 111.0 /A

### TEST COMMENTS:

Coming out of drought conditions from the end of 2023, farmers in Kossuth County were hoping for much-needed moisture to make a crop for this season. Well, the moisture definitely came and it didn't let up much from the end of May through the first week of July. Several showers were excessive which led to a fair amount of surface drainage. Saturated soils led to emergence issues and some stand loss. By mid-August soils were starting to dry up once more and aphids were moving in. This field did get an application of bifenthrin to knock them down. A couple of localized showers on Aug 14-15 delivered some much-needed moisture and kept the crops happy for a little while. But dry weather returned, Kossuth county is back in a D0 drought. Overall, the bean yields were nearly 5.5 bu/acre higher than the running average from this farm.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Loyal	L2160E ↗	E3	2.1	NA	<b>74.4</b>	8.2	0	120.0	759	1
Xitavo	XO 2305E ↗	E3	2.3	M	<b>73.5</b>	8.2	0	110.7	750	2
P3 Genetics	2421E ↗	E3	2.1	M	<b>72.8</b>	8.2	0	105.7	743	3
Asgrow	AG24XF4 § ↗	RXF	2.4	R	<b>72.1</b>	8.2	0	110.3	735	4
Asgrow	AG19XF3 § ↗	RXF	1.9	R	<b>72.1</b>	8.2	0	115.3	735	5
P3 Genetics	2520E ↗	E3	2.0	PK	<b>71.5</b>	8.3	0	101.0	729	6
Golden Harvest	GH2292E3 § ↗	E3	2.2	M	<b>71.3</b>	8.2	0	115.0	727	7
FS HiSOY	HS 23E40 ↗	E3	2.3	PK	<b>70.7</b>	8.2	0	115.0	721	8
Genesis	G2390E ↗	E3	2.3	PK	70.3	8.2	0	115.0	717	9
Cornelius	CB20XF39 ↗	RXF	2.0	M	70.2	8.2	0	120.0	716	10
Genesis	G2391E ↗	E3	2.3	M	70.1	8.2	0	110.3	715	11
Golden Harvest	GH1973E3S ↗	E3,ST	1.9	PK	69.8	8.2	0	120.0	712	12
NuTech	21N08E ↗	E3	2.1	PK	69.6	8.2	0	105.7	710	13
NuTech	22N04E ↗	E3	2.2	PK	69.6	8.3	0	115.3	710	14
FS HiSOY	HS 20E40 ↗	E3	2.0	M	69.5	8.2	0	120.0	709	15
Genesis	G2090E ↗	E3	2.0	PK	69.4	8.2	0	115.3	708	16
FS HiSOY	HS 15F30 ↗	RXF	1.5	M	69.4	8.2	0	110.3	708	17
Loyal	L1860E ↗	E3	1.8	PK	69.4	8.2	0	115.0	708	18
Genesis	G2480E ↗	E3	2.4	M	69.3	8.2	0	110.3	707	19
Cornelius	CB18XF88 ↗	RXF	1.8	M	69.2	8.2	0	101.0	706	20
FS HiSOY	HS 18F40 ↗	RXF	1.8	M	69.2	8.2	0	110.3	706	21
NuTech	20N06E ↗	E3	2.0	PK	69.1	8.1	0	110.3	705	22
Apex	AE2050 ↗	E3	2.0	PK	69.0	8.3	0	101.0	704	23
Asgrow	AG20XF4 § ↗	RXF	2.0	R	68.9	8.2	0	110.3	703	24
Stine	22EG02 § ↗	E3	2.2	M	68.8	8.2	0	110.3	702	25
Cornelius	CB22XF52 ↗	RXF	2.2	M	68.7	8.2	0	110.3	701	26
Xitavo	XO 2075E ↗	E3	2.0	PK	68.6	8.2	0	115.0	700	27
Dyna-Gro	S20EN84 ↗	E3	2.0	PK	68.5	8.2	0	101.0	699	28
Dyna-Gro	S22XF95 ↗	RXF	2.2	M	68.5	8.3	0	105.7	699	29
Dyna-Gro	S25EN74 ↗	E3	2.5	PK	68.5	8.3	0	110.3	699	30

*Corey Rozenboom*

Corey Rozenboom

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Averages = **68.1** **8.2** **111.0** **694**

LSD (0.10) = 2.5 ns ns

LSD (0.25) = 1.3 ns ns

C.V. = 3.5 Historic yield: 61.76 bu/a, 8 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$10.20

Report Date: 10/02/2024

Additional reports available at [www.firstseedtests.com](http://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](http://www.firstseedtests.com)

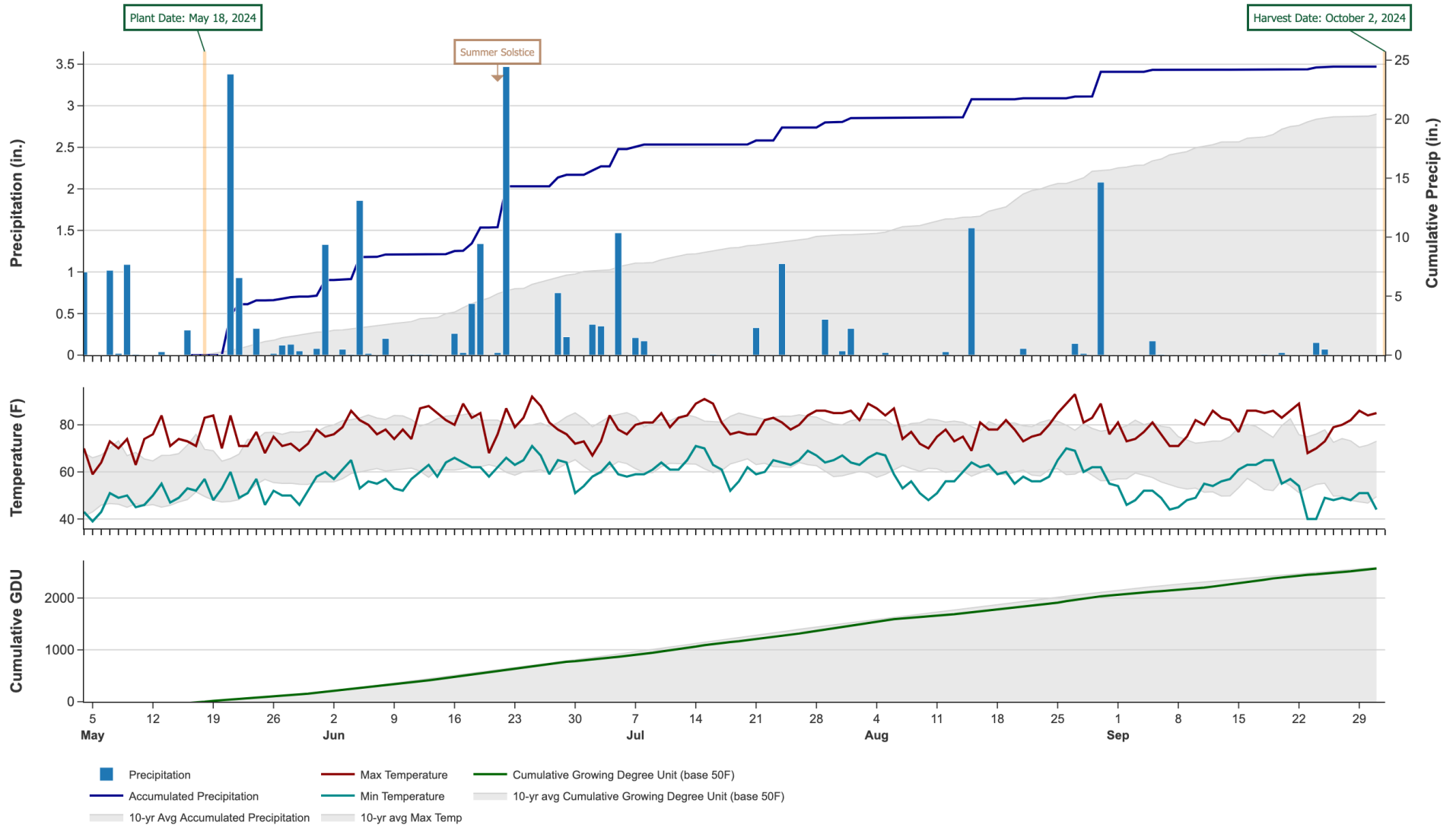
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# 2024 Soybeans - Iowa North [ IANO ]

## Weather Conditions Summary at LU VERNE, IA

Weather Data Retrieved: 10/02/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	8.5   4.4 (+4.1)	10.2   4.9 (+5.3)	4.5   3.3 (+1.2)	4.2   5.5 (-1.2)	0.4   4.6 (-4.1)	0.0   0.2 (-0.2)	27.9   22.9 (+5.1)
GDU   Avg (Diff)	342   313 (+28)	609   638 (-29)	662   691 (-29)	606   622 (-16)	502   450 (+51)	18   11 (+6)	2739   2728 (+10)



\* 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 North [ IANO ]

### All-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2050	E3	PK	2.0	CMBV,SA
Apex	AE2350	E3	PK	2.3	F,I
Apex	AE2351	E3	M	2.3	CMBV
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG20XF4 §	RXF	R	2.0	ACi,IL
Asgrow	AG24XF4 §	RXF	R	2.4	ACi,IL
Cornelius	CB18XF88	RXF	M	1.8	PG+
Cornelius	CB20XF39	RXF	M	2.0	PG+
Cornelius	CB22XF52	RXF	M	2.2	PG+
Dyna-Gro	S19XF45	RXF	M	1.9	PLTM
Dyna-Gro	S20EN84	E3	PK	2.0	PLTM
Dyna-Gro	S22XF95	RXF	M	2.2	PLTM
Dyna-Gro	S25EN74	E3	PK	2.5	PLTM
FS HiSOY	HS 15F30	RXF	M	1.5	ACi,SA
FS HiSOY	HS 18E30	E3	PK	1.8	ACi,SA
FS HiSOY	HS 18F40	RXF	M	1.8	ACi,SA
FS HiSOY	HS 20E40	E3	M	2.0	ACi,SA
FS HiSOY	HS 22F40	RXF	M	2.2	ACi,SA
FS HiSOY	HS 23E40	E3	PK	2.3	ACi,SA
FS HiSOY	HS 24F40	RXF	M	2.4	ACi,SA
FS HiSOY	HS 25E30	E3	PK	2.5	ACi,SA
Genesis	G2090E	E3	PK	2.0	CMBV,SA
Genesis	G2180E	E3	M	2.1	EcTC,SA
Genesis	G2390E	E3	PK	2.3	EcTC,SA
Genesis	G2391E	E3	M	2.3	CMBV,SA
Genesis	G2480E	E3	M	2.4	EcTC,SA
Golden Harvest	GH1875E3 §	E3	M	1.8	CMB-APX,SA
Golden Harvest	GH1973E3S	E3,ST	PK	1.9	CMB-APX,SA
Golden Harvest	GH2292E3 §	E3	M	2.2	CMB-APX,SA
Golden Harvest	GH2315E3 §	E3	PK	2.3	Untreated
Jacobsen	J1873E3	E3	PK	1.8	F,I
Jacobsen	J1942E3	E3	PK	1.9	F,I
Jacobsen	J2223E3	E3	S	2.2	F,I
Jacobsen	J2473E3	E3	MR	2.4	F,I
Loyal	L1860E	E3	PK	1.8	F,I,B,NE,NU
Loyal	L2160E	E3	NA	2.1	F,I,B,NE,NU
Loyal	L2560E	E3	M	2.5	F,I,B,NE,NU
Loyal	LSX232-24E	E3	PK	2.3	F,I,B,NE,NU
NuTech	17N02E	E3	PK	1.7	Lum, LumT, IL
NuTech	20N06E	E3	PK	2.0	Lum, LumT, IL
NuTech	21N08E	E3	PK	2.1	Lum, LumT, IL
NuTech	22N04E	E3	PK	2.2	Lum, LumT, IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NuTech	24N05E	E3	PK	2.4	Lum, LumT, IL
NuTech	25N05E	E3	PK	2.5	Lum, LumT, IL
P3 Genetics	2218E	E3	M	1.8	PG+
P3 Genetics	2322E	E3	M	2.2	PG+
P3 Genetics	2419E	E3	PK	1.9	PG+
P3 Genetics	2421E	E3	M	2.1	PG+
P3 Genetics	2520E	E3	PK	2.0	PG+
Pioneer	P21Z71E GC	E3	PK	2.1	Untreated
Pioneer	P19A37E §	E3	NA	1.9	Untreated
Pioneer	P19A66E §	E3	NA	1.9	Untreated
Pioneer	P22A67E §	E3	M	2.2	Untreated
Stine	20EG02 §	E3	M	2.0	TFX1,SA
Stine	22EG02 §	E3	M	2.2	TFX1,SA
Stine	24EG23 §	E3	M	2.4	TFX1,SA
Titan Pro	TP 20E22	E3	PK	2.0	CMB-APX,SA
Xitavo	XO 1632E	E3	M	1.6	PV,IL,OB,Rey
Xitavo	XO 1822E	E3	M	1.8	PV,IL,OB,Rey
Xitavo	XO 2075E	E3	PK	2.0	PV,IL,OB,Rey
Xitavo	XO 2181E	E3	M	2.1	PV,IL,OB,Rey
Xitavo	XO 2305E	E3	M	2.3	PV,IL,OB,Rey
Xitavo	XO 2444E	E3,ST	M	2.4	PV,IL,OB,Rey

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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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

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies

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E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
CMB-APX,SA	CruiserMaxx® APX with Saltro®
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
F,I	Fungicide, Insecticide
F,I,B,NE,NU	Fungicide, Insecticide, Biological, Nematicide, Nutrition
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PLTM	DynaGro PLTM
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro
Untreated	No seed treatment

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\* Seed treatments may include unspecified plant health promoting components.