

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

2024 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] MOORLAND, IA

Jeff Loehr, Webster County, IA 50566

All-Season Test	Maturity Group 2.1 - 2.9 S2024IANC02
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Anthem Maxx, Impact, Atrazine
SOIL DESCRIPTION:	Nicollet clay loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 5.9 pH, 4.2% OM, 22.7 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Perpetuo, Hero
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 20 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 3 106.5 /A

TEST COMMENTS:

This location experienced planting delays after the wet spring leaving soils sticky for nearly 2 weeks early in May. This caused most farmers in the area to wait to plant beans until conditions improved, which wasn't until the 2nd -3rd week of May. Once things got going, planters were rolling fast and furious to stay ahead of more forecasted rain. Jeff's field received nearly 3" of rain during the two days after planting. After ending 2023 in D2 drought, the added moisture was welcome even though it pushed back planting dates. By the beginning of July, soil moisture had returned to normal levels. But as the summer went on, rainfall was less regular. Overall, a few late rain events came in time for plants to take advantage and fill pods. This field ended just a quarter inch under the 10-yr average from planting through 9/15. Plants were standing well at harvest and yielded nearly 13.5 bu/acre over the historic average for this site.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Jacobsen	J2473E3 ↗	E3	2.4	MR	76.3	8.7	0	101.0	778	1
FS HiSOY	HS 22F40 ↗	RXF	2.2	M	75.5	8.8	0	100.7	770	2
Hoegemeyer	2185 E ↗	E3	2.1	PK	75.0	8.6	0	115.0	765	3
P3 Genetics	2424E ↗	E3	2.4	M	73.8	8.7	0	110.3	753	4
Golden Harvest	GH2292E3 § ↗	E3	2.2	M	72.9	8.6	0	115.0	744	5
NuTech	25N05E ↗	E3	2.5	PK	72.2	8.7	0	105.7	736	6
NuTech	27N03E ↗	E3	2.7	PK	71.8	8.7	0	105.7	732	7
Pioneer	P21Z71E GC ↗	E3	2.1	PK	71.6	8.8	0	110.3	730	8
Genesis	G2480E ↗	E3	2.4	M	71.4	8.7	0	110.3	728	9
Genesis	G2960E ↗	E3	2.9	M	71.2	8.8	0	110.3	726	10
NuTech	29N05E ↗	E3	2.9	PK	71.1	8.7	0	110.3	725	11
Titan Pro	TP 29E23 ↗	E3	2.9	M	71.1	8.9	0	105.3	725	12
FS HiSOY	HS 28E10 ↗	E3	2.8	M	71.0	8.8	0	110.3	724	13
Cornelius	CB24XF75 ↗	RXF	2.4	M	70.9	8.6	0	110.3	723	14
Asgrow	AG27XF3 § ↗	RXF	2.7	R	70.8	9.6	0	105.7	722	15
Golden Harvest	GH2544XF § ↗	RXF	2.5	M	70.6	8.6	0	105.7	720	16
Stine	22EG02 § ↗	E3	2.2	M	70.4	8.7	0	100.7	718	17
Titan Pro	TP 25E22 ↗	E3	2.5	PK	70.0	8.8	0	110.3	714	18
Xitavo	XO 2865E ↗	E3	2.8	M	69.7	8.9	0	110.3	711	19
Xitavo	XO 2305E ↗	E3	2.3	M	69.4	8.6	0	105.7	708	20
Stine	25EG23 § ↗	E3	2.5	M	69.4	8.6	0	101.0	708	21
Genesis	G2391E ↗	E3	2.3	M	69.4	8.8	0	110.3	708	22
NuTech	24N05E ↗	E3	2.4	PK	69.0	8.8	0	115.0	704	23
Xitavo	XO 2444E ↗	E3,ST	2.4	M	68.9	8.7	0	110.3	703	24
Pioneer	P28A39E § ↗	E3	2.8	M	68.8	8.8	0	105.7	702	25
FS HiSOY	HS 25E30 ↗	E3	2.5	PK	68.7	8.8	0	105.7	701	26
NuTech	22N04E ↗	E3	2.2	PK	68.3	8.6	0	110.3	697	27
P3 Genetics	2523E ↗	E3	2.3	PK	68.3	8.8	0	101.0	697	28
Hoegemeyer	2395 E ↗	E3	2.3	PK	68.2	8.6	0	105.7	696	29
Apex	AE2750 ↗	E3	2.7	PK	68.0	8.6	0	115.0	694	30

Corey Rozenboom

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Averages = **67.8** **8.8** **106.5** **692**

LSD (0.10) = 3.3 0.2 ns

LSD (0.25) = 1.8 0.1 ns

C.V. = 4.7 Historic yield: 55.87 bu/a, 13 yr(s)

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

Report Date: 10/03/2024

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

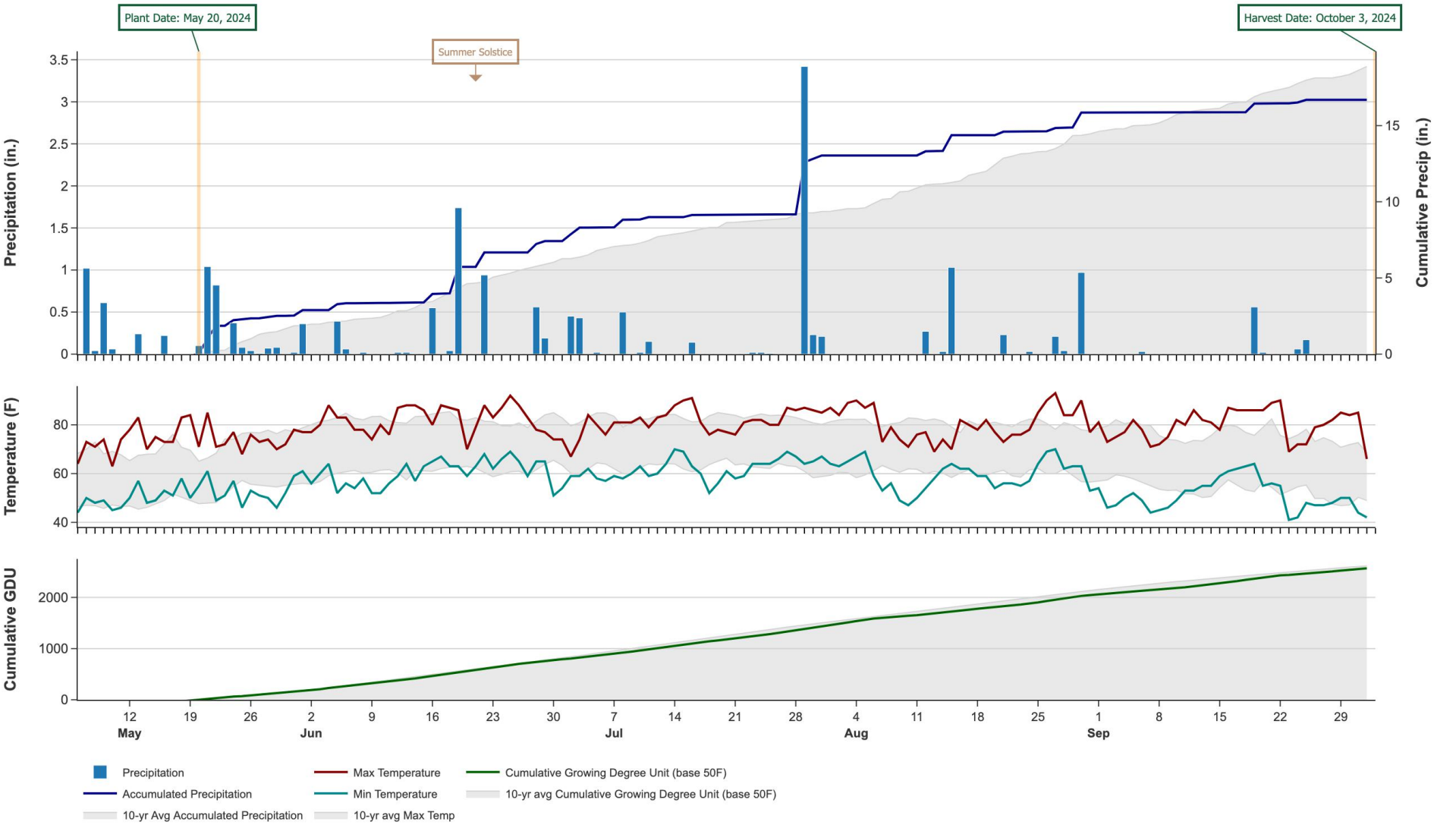
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Weather Conditions Summary at MOORLAND, IA

Weather Data Retrieved: 10/03/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	4.8 4.4 (+0.5)	4.9 4.2 (+0.7)	5.6 3.3 (+2.3)	2.8 5.1 (-2.3)	0.8 3.9 (-3.1)	0.0 0.5 (-0.5)	19.0 21.4 (-2.4)
GDU Avg (Diff)	342 303 (+38)	628 642 (-14)	658 701 (-43)	608 633 (-25)	498 457 (+40)	26 20 (+5)	2760 2758 (+1)



* 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.

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All-Season Test Products (60 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
Apex	AE2750	E3	PK	2.7	F,I
Asgrow	AG24XF4 §	RXF	R	2.4	ACi,IL
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG29XF4 §	RXF	PK	2.9	ACi,IL
Cornelius	CB24XF75	RXF	M	2.4	PG+
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
FS HiSOY	HS 26F20	RXF	M	2.6	ACi,SA
FS HiSOY	HS 28E10	E3	M	2.8	ACi,SA
FS HiSOY	HS 28F30	RXF	M	2.8	ACi,SA
FS HiSOY	HS 29E40	E3	PK	2.9	ACi,SA
Genesis	G2090E	E3	PK	2.0	CMBV,SA
Genesis	G2391E	E3	M	2.3	CMBV,SA
Genesis	G2480E	E3	M	2.4	EcTC,SA
Genesis	G2790E	E3	PK	2.7	EcTC,SA
Genesis	G2960E	E3	M	2.9	EcTC,SA
Golden Harvest	GH2292E3 §	E3	M	2.2	CMB-APX,SA
Golden Harvest	GH2544XF §	RXF	M	2.5	CMB-APX,SA
Golden Harvest	GH2674E3	E3	M	2.6	CMB-APX,SA
Golden Harvest	GH2775E3 §	E3	M	2.7	CMB-APX,SA
Hoegemeyer	2185 E	E3	PK	2.1	Lum, LumT, IL
Hoegemeyer	2395 E	E3	PK	2.3	Lum, LumT, IL
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
NuTech	21N08E	E3	PK	2.1	Lum, LumT, IL
NuTech	22N04E	E3	PK	2.2	Lum, LumT, IL
NuTech	24N05E	E3	PK	2.4	Lum, LumT, IL
NuTech	25N05E	E3	PK	2.5	Lum, LumT, IL
NuTech	27N03E	E3	PK	2.7	Lum, LumT, IL
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
P3 Genetics	2325E	E3	M	2.5	PG+
P3 Genetics	2424E	E3	M	2.4	PG+
P3 Genetics	2523E	E3	PK	2.3	PG+

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Pioneer	P21Z71E GC	E3	PK	2.1	Untreated
Pioneer	P23Z82E GC	E3	PK	2.3	Untreated
Pioneer	P28A39E §	E3	M	2.8	Untreated
Pioneer	P28A65E §	E3	M	2.8	Untreated
Pioneer	P29A19E §	E3	MR	2.9	Untreated
Stine	22EG02 §	E3	M	2.2	TFX1,SA
Stine	24EG23 §	E3	M	2.4	TFX1,SA
Stine	25EG23 §	E3	M	2.5	TFX1,SA
Titan Pro	TP 25E22	E3	PK	2.5	CMB-APX,SA
Titan Pro	TP 29E23	E3	M	2.9	CMB-APX,SA
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
Xitavo	XO 2625E	E3	M	2.6	PV,IL,OB,Rey
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

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,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
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.