

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

2024 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] LAURENS, IA

Dale Roewe, Pocahontas County, IA 50554

All-Season Test	Maturity Group 2.1 - 2.9 S2024IANC01
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex Gt And Atrazine
SOIL DESCRIPTION:	Webster clay loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, high K, 6.6 pH, 4.0% OM, 22.2 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Liberty 280 SI, Outlook, Roundup Powermax 3, Section Three
Applied N-P-K (units):	0-0-0
SEED - RATE - ROW:	May 18 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 2 104.4 /A

TEST COMMENTS:

The dry weather over the past month made it hard for the bean crop in this area to fill pods with the seed size needed for top-end yields. With only 0.3" of rainfall recorded during September, the crop just ran out of moisture needed to finish well. The result of the dry weeks from mid-July through the end of the season was smaller seed size and fewer pods per node than what we've seen at this site in the past. The hot and dry weather just prior to harvest resulted in grain moisture falling rapidly over the past week. Harvest in the area started with green stems holding leaves where pods were brown and moistures were in the 13's, to bone dry in a matter of 3 to 4 days. Overall, this site exceeded the historic yield average by nearly 1.5 bu/acre.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	29N05E ↗	E3	2.9	PK	66.9	8.1	0	110.3	682	1
Hoegemeyer	2395 E ↗	E3	2.3	PK	66.8	7.7	0	115.3	681	2
Titan Pro	TP 29E23 ↗	E3	2.9	M	66.0	8.3	0	91.3	673	3
Genesis	G2960E ↗	E3	2.9	M	66.0	8.4	0	101.0	673	4
Titan Pro	TP 25E22 ↗	E3	2.5	PK	65.4	7.9	0	110.3	667	5
NuTech	22N04E ↗	E3	2.2	PK	65.2	7.9	0	115.0	665	6
Pioneer	P21Z71E GC ↗	E3	2.1	PK	65.2	7.7	0	105.7	665	7
Genesis	G2480E ↗	E3	2.4	M	64.9	7.8	0	110.3	662	8
Stine	25EG23 § ↗	E3	2.5	M	64.7	7.8	0	110.3	660	9
FS HiSOY	HS 28F30 ↗	RXF	2.8	M	64.5	7.9	0	100.7	658	10
Jacobsen	J2473E3 ↗	E3	2.4	MR	64.5	8.2	0	96.0	658	11
Cornelius	CB24XF75 ↗	RXF	2.4	M	64.4	7.9	0	100.7	657	12
Hoegemeyer	2185 E ↗	E3	2.1	PK	64.2	7.7	0	110.3	655	13
FS HiSOY	HS 22F40 ↗	RXF	2.2	M	64.1	7.9	0	96.0	654	14
FS HiSOY	HS 28E10 ↗	E3	2.8	M	64.1	8.1	0	105.7	654	15
Golden Harvest	GH2544XF § ↗	RXF	2.5	M	64.0	7.9	0	115.3	653	16
Asgrow	AG27XF3 § ↗	RXF	2.7	R	64.0	8.7	0	101.0	653	17
NuTech	25N05E ↗	E3	2.5	PK	63.6	7.8	0	105.7	649	18
Pioneer	P29A19E § ↗	E3	2.9	MR	63.4	8.1	0	105.7	647	19
Golden Harvest	GH2292E3 § ↗	E3	2.2	M	63.2	7.8	0	115.0	645	20
Genesis	G2391E ↗	E3	2.3	M	63.0	7.9	0	101.0	643	21
NuTech	28N03E ↗	E3	2.8	M	63.0	8.2	0	110.3	643	22
Pioneer	P28A39E § ↗	E3	2.8	M	62.9	7.8	0	95.7	642	23
NuTech	21N08E ↗	E3	2.1	PK	62.8	7.8	0	105.7	641	24
Xitavo	XO 2075E ↗	E3	2.0	PK	62.8	8.0	0	100.7	641	25
Stine	22EG02 § ↗	E3	2.2	M	62.7	7.8	0	110.3	640	26
P3 Genetics	2424E ↗	E3	2.4	M	62.7	7.9	0	105.7	640	27
NuTech	27N07E ↗	E3	2.7	M	62.6	8.1	0	110.3	639	28
Apex	AE2351 ↗	E3	2.3	M	62.5	7.8	0	100.7	638	29
P3 Genetics	2523E ↗	E3	2.3	PK	62.4	7.9	0	96.0	636	30

Corey Rozenboom

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Averages = **62.1** **8.0** **104.4** **633**

LSD (0.10) = 2.6 0.3 ns

LSD (0.25) = 1.4 0.1 ns

C.V. = 4.0

Historic yield: 60.47 bu/a, 13 yr(s)

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

Report Date: 10/02/2024

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

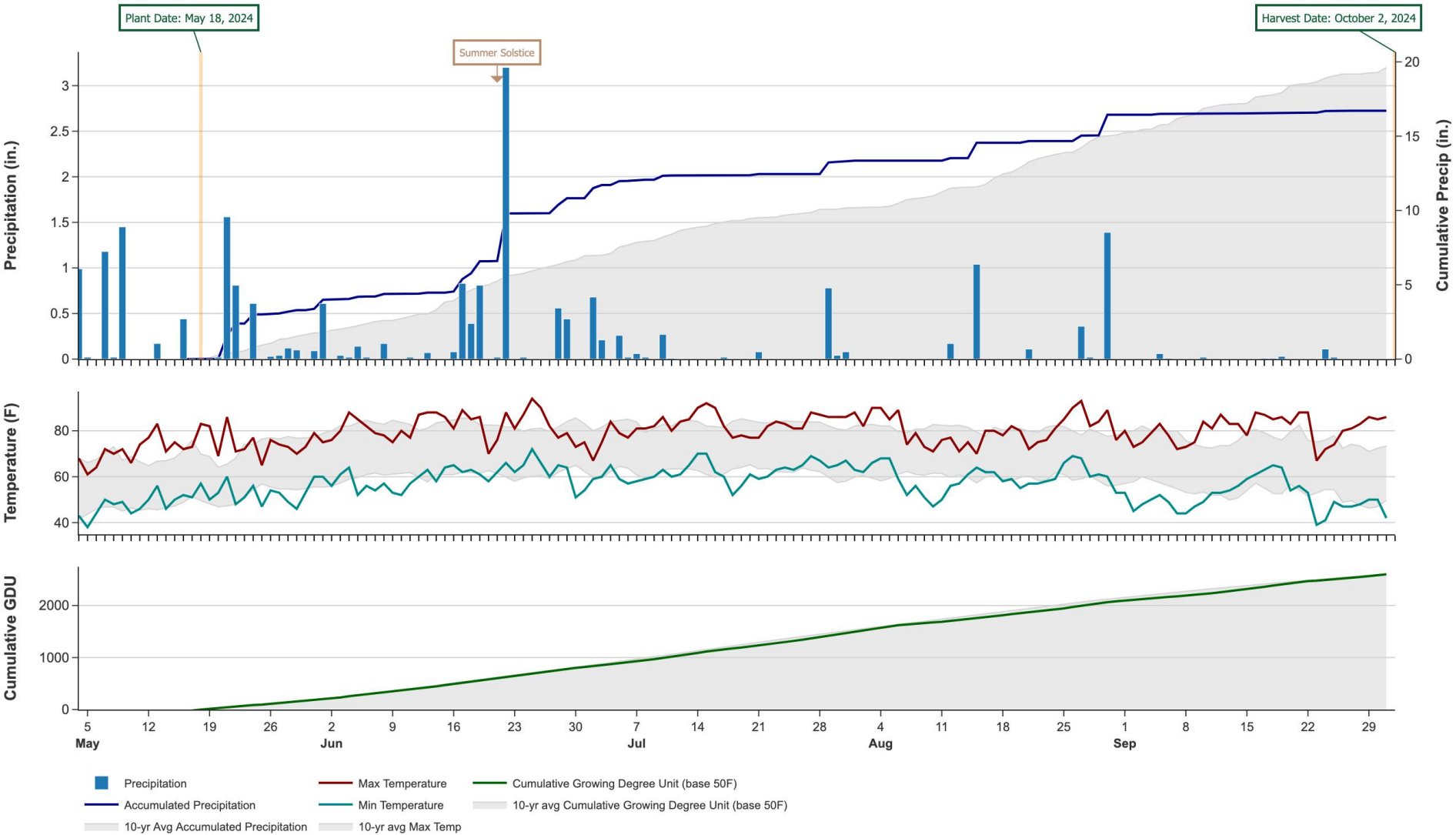
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Weather Conditions Summary at LAURENS, IA

Weather Data Retrieved: 10/02/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	7.7 4.4 (+3.2)	7.4 4.9 (+2.5)	2.5 3.5 (-1.0)	3.1 4.9 (-1.8)	0.3 4.2 (-3.9)	0.0 0.3 (-0.3)	21.0 22.3 (-1.3)
GDU Avg (Diff)	346 314 (+31)	623 644 (-21)	672 696 (-24)	606 625 (-19)	502 457 (+44)	18 11 (+6)	2767 2748 (+18)



* 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.