

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

2024 Soybeans Top 30 Harvest Report

Iowa North [IANO] NEW HAMPTON, IA
Matt Bruening, Chickasaw County, IA

All-Season Test	Maturity Group 1.6 - 2.5 S2024IANO04
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Keystone Nxt, Roundup Powermax 3
SOIL DESCRIPTION:	Floyd loam, moderately drained, non-irrigated
SOIL CONDITION:	low P, low K, 6.7 pH, 4.7% OM, 21.2 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Roundup, Liberty, Dual, Quilt, Bifenthrin, Ridgeback
FERTILITY - Applied N:	7 Planter, 7 Foliar Rescue, 1.8 lbs S, 0.1 lbs Fe, 0.05 lbs Mn, 0.05 lbs Zn
Applied N-P-K (units):	14-4-4
SEEDED - RATE - ROW:	May 13 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 2 103.2 /A

TEST COMMENTS:

Like most of northern Iowa, the growing season was characterized by wet weather for the first half of the growing season through early July followed by a shift to very dry conditions from August through September. As it turned out, the surplus of recorded moisture from April through July was exactly the same amount as the deficit experienced later. Not all of the spring rain was utilized as much of the rainfall from the big storms was lost to runoff. Plant stands suffered from excessive soil saturation. The dry soils late in the season resulted in smaller seed size and prevented the high-end yields we have seen before on this farm. Overall, the trial was consistent and no lodging was observed.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Loyal	LSX232-24E ↗	E3	2.3	PK	60.7	8.8	0	101.0	619	1
NuTech	25N05E ↗	E3	2.5	PK	59.3	9.0	0	101.0	605	2
FS HiSOY	HS 20E40 ↗	E3	2.0	M	58.8	8.7	0	105.7	600	3
Asgrow	AG19XF3 § ↗	RXF	1.9	R	58.7	8.6	0	110.3	599	4
Pioneer	P19A37E § ↗	E3	1.9	NA	58.5	8.6	0	105.7	597	5
Asgrow	AG20XF4 § ↗	RXF	2.0	R	58.2	8.7	0	110.3	594	6
NuTech	21N08E ↗	E3	2.1	PK	58.1	8.7	0	105.7	593	7
P3 Genetics	2520E ↗	E3	2.0	PK	58.0	8.7	0	105.7	592	8
Xitavo	XO 2444E ↗	E3,ST	2.4	M	58.0	8.9	0	105.7	592	9
Pioneer	P22A67E § ↗	E3	2.2	M	57.9	8.8	0	105.7	591	10
NuTech	20N06E ↗	E3	2.0	PK	56.6	8.7	0	110.3	577	11
Xitavo	XO 2181E ↗	E3	2.1	M	56.0	8.7	0	96.0	571	12
NuTech	22N04E ↗	E3	2.2	PK	55.9	8.8	0	101.0	570	13
FS HiSOY	HS 25E30 ↗	E3	2.5	PK	55.9	8.9	0	96.0	570	14
Dyna-Gro	S19XF45 ↗	RXF	1.9	M	55.4	8.6	0	105.7	565	15
Cornelius	CB18XF88 ↗	RXF	1.8	M	54.6	8.6	0	105.3	557	16
Pioneer	P19A66E § ↗	E3	1.9	NA	54.6	8.6	0	105.7	557	17
Cornelius	CB22XF52 ↗	RXF	2.2	M	54.6	8.8	0	105.7	557	18
Stine	20EG02 § ↗	E3	2.0	M	54.4	8.7	0	100.7	555	19
Loyal	L2160E ↗	E3	2.1	NA	54.1	8.7	0	105.7	552	20
FS HiSOY	HS 24F40 ↗	RXF	2.4	M	53.9	9.1	0	95.7	550	21
Pioneer	P21Z71E GC ↗	E3	2.1	PK	53.9	8.9	0	100.7	550	22
Asgrow	AG24XF4 § ↗	RXF	2.4	R	53.8	9.0	0	100.7	549	23
Loyal	L1860E ↗	E3	1.8	PK	53.7	8.6	0	100.7	548	24
Xitavo	XO 2305E ↗	E3	2.3	M	53.7	8.8	0	105.3	548	25
Cornelius	CB20XF39 ↗	RXF	2.0	M	53.4	8.7	0	96.0	545	26
Genesis	G2090E ↗	E3	2.0	PK	53.4	8.7	0	96.0	545	27
NuTech	17N02E ↗	E3	1.7	PK	53.3	8.5	0	91.0	544	28
FS HiSOY	HS 18E30 ↗	E3	1.8	PK	53.1	8.6	0	105.7	542	29
Genesis	G2180E ↗	E3	2.1	M	53.1	8.7	0	105.3	542	30

Corey Rozenboom

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Averages =	52.8	8.8	103.2	539
LSD (0.10) =	3.8	0.2	ns	
LSD (0.25) =	2.0	0.1	ns	
C.V. =	6.8			Historic yield: 56.71 bu/a, 23 yr(s)

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

Report Date: 10/02/2024

† 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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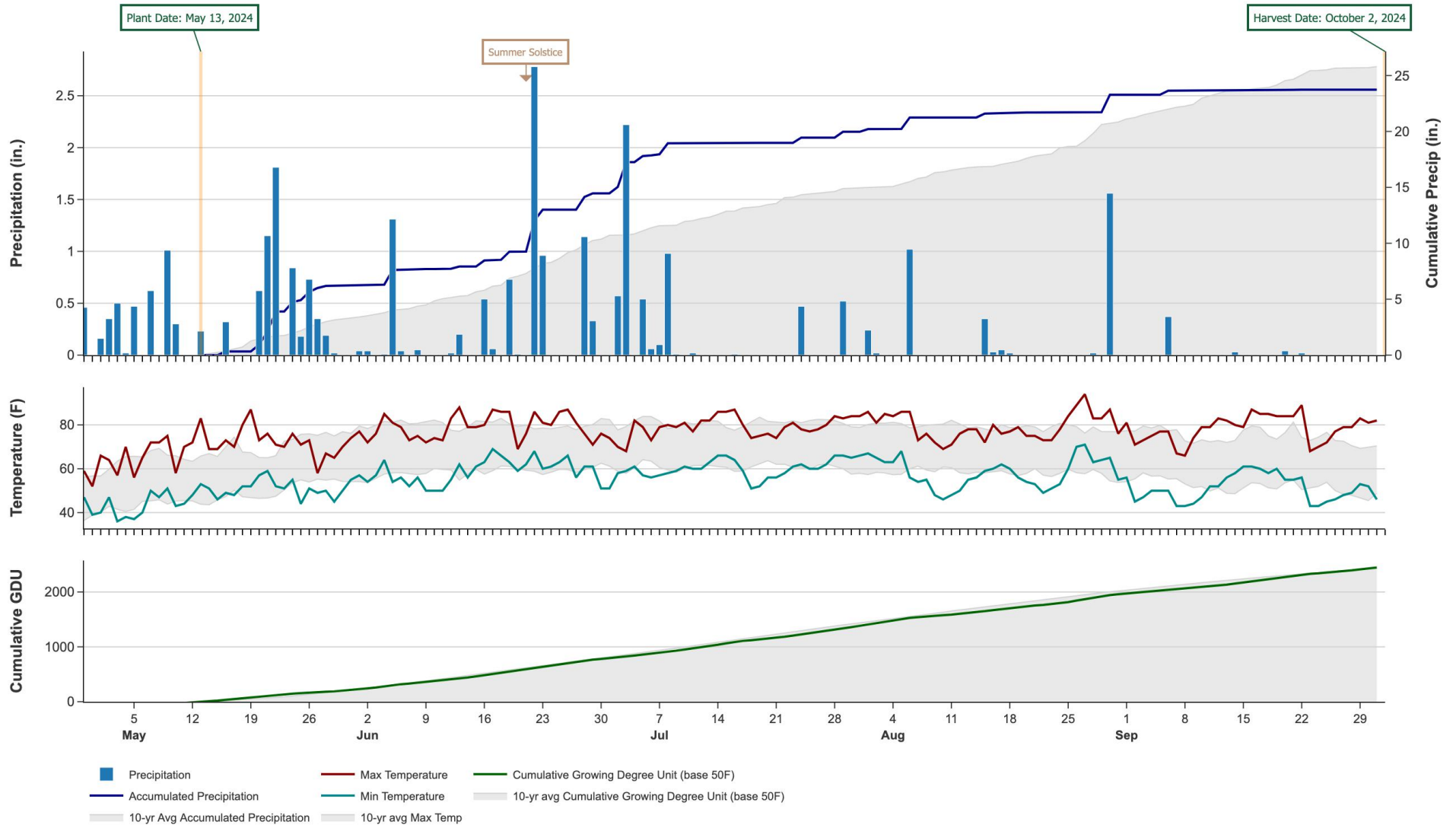
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2024 Soybeans - Iowa North [IANO]

Weather Conditions Summary at NEW HAMPTON, IA

Weather Data Retrieved: 10/02/2024

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.5 0.1 (+0.3)	9.9 5.2 (+4.6)	8.3 7.1 (+1.2)	5.5 4.6 (+0.9)	3.3 5.9 (-2.6)	0.5 4.9 (-4.4)	0.0 0.1 (-0.1)	27.9 27.9 (-0.0)
GDU Avg (Diff)	4 0 (+4)	324 302 (+21)	566 579 (-13)	604 645 (-41)	576 580 (-4)	470 413 (+56)	16 10 (+5)	2560 2532 (+27)



* 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 (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

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
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

* Seed treatments may include unspecified plant health promoting components.