

Test by: Apex Custom Research Enterprises (ACRE)  
Clearwater, NE

## 2024 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] HARTLEY, IA  
Clint Van Beek, O'Brien County, IA 51346

<b>All-Season Test</b>	Maturity Group 1.6 - 2.5 S2024IANW02
<b>Top 30 of 48</b>	For Gross Income (Sorted by Yield) Average of (2) Replications
<b>PREV. CROP/HERB:</b>	Corn / Resicore, Roundup Power Max
<b>SOIL DESCRIPTION:</b>	Sac silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 7.2 pH, 5.7% OM, 25.2 CEC
<b>TILLAGE/CULTIVATION:</b>	Minimum W/ Fall Till
<b>PEST MANAGEMENT:</b>	Authority Supreme, Liberty, Warrant, Roundup Power Max, Section Three, Miravus Neo, Bifenthrin
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 20 120.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 4 110.3 /A

### TEST COMMENTS:

*This trial faced several challenges. Soon after planting, unprecedented amounts of precipitation resulted in highly saturated soils. Stands were thinned and some plots were washed or crusted. This variation seems to have been sporadic throughout the trial and was not widespread. Thus, careful notes were taken during stand counts and harvest. This plot was treated for aphids twice in the season. Weed control was excellent and as an interesting note, the new See & Spray technology was used on this plot for a second application of herbicide. One replicate was removed due to the higher yield variability. Use caution with elevated variation in the remaining replications from the effects of heavy rain on stands.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P22A67E § ↗	E3	2.2	M	<b>67.6</b>	14.5	3	113.0	681	1
Hoegemeyer	2395 E ↗	E3	2.3	PK	<b>65.8</b>	12.1	3	116.5	667	2
Golden Harvest	GH2315E3 ↗	E3	2.3	PK	<b>64.9</b>	11.0	3	115.5	657	3
Dyna-Gro	S25EN74 ↗	E3	2.5	PK	<b>64.2</b>	14.4	1	111.5	648	4
Xitavo	XO 1632E ↗	E3	1.6	M	<b>63.8</b>	9.3	1	116.5	646	5
Hoegemeyer	2185 E ↗	E3	2.1	PK	<b>63.7</b>	10.4	3	115.0	645	6
Xitavo	XO 1822E ↗	E3	1.8	M	<b>61.5</b>	9.4	1	115.0	623	7
Golden Harvest	GH1973E3S § ↗	E3,ST	1.9	PK	<b>61.2</b>	9.9	1	112.5	620	8
Golden Harvest	GH2292E3 § ↗	E3	2.2	M	60.9	10.7	5	114.0	617	9
FS HiSOY	HS 25E30 ↗	E3	2.5	PK	60.9	16.0	7	110.5	613	10
Cornelius	CB20XF39 ↗	RXF	2.0	M	59.7	10.0	4	111.5	604	11
P3 Genetics	2322E ↗	E3	2.2	M	59.3	10.4	4	115.5	600	12
FS HiSOY	HS 24F40 ↗	RXF	2.4	M	59.0	11.1	4	111.5	598	13
Dyna-Gro	S20EN84 ↗	E3	2.0	PK	58.4	13.6	4	110.5	591	14
Xitavo	XO 2444E ↗	E3,ST	2.4	M	57.9	14.0	4	113.0	585	17
Golden Harvest	GH2004XF § ↗	RXF	2.0	M	57.8	9.0	1	115.5	586	15
P3 Genetics	2218E ↗	E3	1.8	M	57.8	10.5	1	110.0	586	16
FS HiSOY	HS 20E40 ↗	E3	2.0	M	57.1	9.6	1	115.0	578	18
Stine	25EG23 § ↗	E3	2.5	M	56.8	11.4	3	116.5	575	19
Xitavo	XO 2181E ↗	E3	2.1	M	56.6	9.6	4	109.0	572	20
FS HiSOY	HS 18F40 ↗	RXF	1.8	M	55.9	11.0	1	115.5	566	21
Cornelius	CB18XF88 ↗	RXF	1.8	M	55.7	10.3	1	114.0	563	22
Xitavo	XO 2625E ↗	E3	2.6	M	54.8	14.5	7	111.5	553	23
Dyna-Gro	S22XF95 ↗	RXF	2.2	M	53.7	11.3	1	110.5	543	24
Asgrow	AG24XF4 § ↗	RXF	2.4	R	53.7	11.6	1	109.5	543	25
Pioneer	P19A37E § ↗	E3	1.9	NA	53.3	12.8	1	109.0	539	26
Apex	AE2050 ↗	E3	2.0	PK	52.9	10.8	3	110.5	536	27
FS HiSOY	HS 22F40 ↗	RXF	2.2	M	51.3	11.9	3	110.0	520	28
Genesis	G2480E ↗	E3	2.4	M	51.0	9.6	3	111.5	517	29
Pioneer	P19A66E § ↗	E3	1.9	NA	51.0	9.8	1	106.0	517	30

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Averages = **52.3**    **11.3**    **2**    **110.3**    **530**

LSD (0.10) = 8.8    2.0    2

LSD (0.25) = 4.6    1.1    1

C.V. = 12.9    Historic yield: 58.55 bu/a, 14 yr(s)

**Yield & Income Factors:**    Base Moisture = 13.0%    Shrink = 1.3    Drying = \$0.024    Prices: GMO = \$10.13

Report Date: 10/04/2024

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

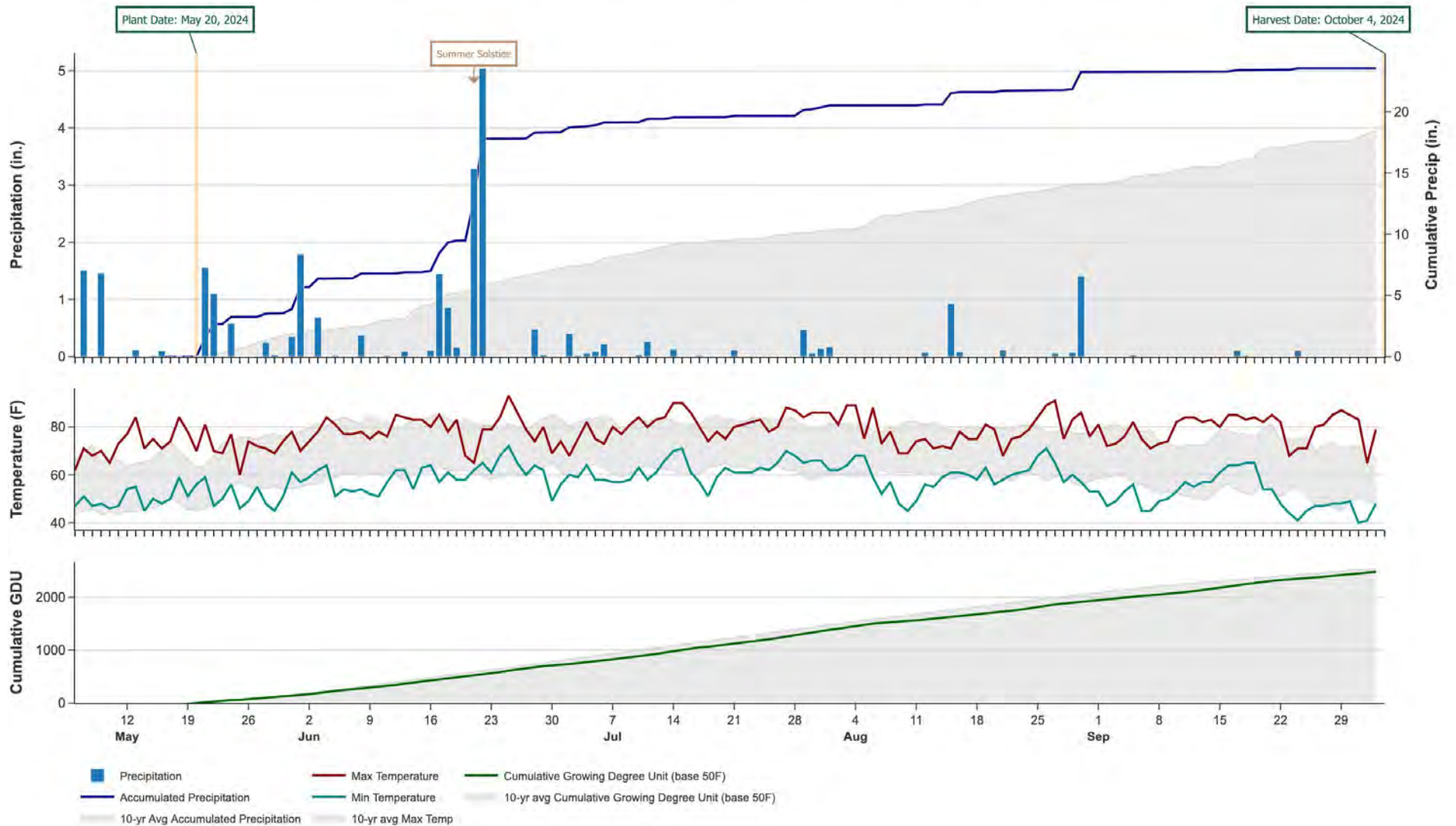
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

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# 2024 Soybeans - Iowa Northwest [ IANW ]

## Weather Conditions Summary at HARTLEY, IA

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	7.1   3.9 (+3.2)	14.4   5.2 (+9.2)	2.0   3.2 (-1.2)	2.9   3.8 (-0.9)	0.3   3.5 (-3.2)	0.0   0.8 (-0.8)	26.8   20.6 (+6.2)
GDU   Avg (Diff)	323   281 (+41)	570   629 (-59)	654   683 (-29)	578   608 (-30)	502   436 (+65)	38   28 (+9)	2665   2667 (-2)



\* 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 Northwest [ IANW ]

### All-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2050	E3	PK	2.0	NA
Apex	AE2350	E3	PK	2.3	F,I
Apex	AE2351	E3	M	2.3	NA
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	GH1973E3S §	E3,ST	PK	1.9	CMB-APX,SA
Golden Harvest	GH2004XF §	RXF	M	2.0	CMB-APX,SA
Golden Harvest	GH2292E3 §	E3	M	2.2	CMB-APX,SA
Golden Harvest	GH2315E3	E3	PK	2.3	Untreated
Hoegemeyer	2185 E	E3	PK	2.1	Lum, LumT, IL
Hoegemeyer	2395 E	E3	PK	2.3	Lum, LumT, IL
P3 Genetics	2218E	E3	M	1.8	PG+
P3 Genetics	2322E	E3	M	2.2	PG+
P3 Genetics	2520E	E3	PK	2.0	PG+
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	25EG23 §	E3	M	2.5	TFX1,SA
Xitavo	XO 1632E	E3	M	1.6	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
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
Xitavo	XO 2625E	E3	M	2.6	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,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 +
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.