

Test by: F.I.R.S.T. AMC Inc. Mount Carroll, IL

2024 Soybeans Top 30 Harvest Report

Illinois North [ILNO] MALTA, IL

Steve & David Drendel, DeKalb County, IL 60150

All-Season Test	Maturity Group 2.4 - 3.3 S2024ILNO11
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Lexar, Capreno (2), Atrazine
SOIL DESCRIPTION:	Flanagan silt loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.2 pH, 4.6% OM, 21.6 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Sc, 2,4-D, Select Max, Thunder, Liberty, Warrant, Revytek, Kiter
FERTILITY - Applied N:	20# S, 15# B
Applied N-P-K (units):	0-62-56
SEEDED - RATE - ROW:	May 17 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 10 130.1 /A

TEST COMMENTS:

This location was planted in a freshly worked seedbed and went in very nicely. Emergence was good and the plot stayed healthy through the growing season. Plants were standing nice with very little lodging. Pods were formed to the very top of the plants but with almost 6 weeks of very little moisture in August and September a majority of the pods toward the top had been aborted and the ones that were not had wrinkled seeds with only one or two present in the cluster, the remaining pods were empty. Overall the plot was healthy but the lack of rain in the late season hurt this location in the long run.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Apex	AE2940S ↗	E3,ST	2.9	M	83.1	9.7	4	110.0	793	1
Genesis	G2570ES ↗	E3,ST	2.5	M	79.0	10.4	4	119.0	754	2
NuTech	32N04E ↗	E3	3.2	M	78.2	11.0	4	116.3	746	3
P3 Genetics	2331E ↗	E3	3.1	M	77.9	8.9	4	144.0	743	4
Xitavo	XO 3014E ↗	E3,ST	3.0	M	77.1	9.9	4	131.7	736	5
Pioneer	P28A39E § ↗	E3	2.8	M	76.0	10.5	4	134.3	725	6
Dyna-Gro	S29ES45 ↗	E3,ST	2.9	M	75.8	10.2	4	129.3	723	7
NuTech	27N07E ↗	E3	2.7	M	75.6	10.9	4	129.3	721	8
FS HiSOY	HS 24F40 ↗	RXF	2.4	M	75.1	11.0	6	126.7	716	9
Genesis	G3171ES ↗	E3,ST	3.1	M	75.1	10.4	4	129.3	716	10
NuTech	30N06E ↗	E3	3.0	M	74.9	11.3	4	126.7	715	11
Apex	AE2750 ↗	E3	2.7	PK	74.8	10.2	4	139.0	714	12
NuTech	25N05E ↗	E3	2.5	PK	73.8	10.8	4	126.7	704	13
ProHarvest	25E35 ↗	E3	2.5	PK	73.5	10.6	4	136.7	701	14
AgVenture	AV30B2E ↗	E3	3.0	M	73.5	10.4	4	129.3	701	15
Purple Ribbon	31E25 ↗	E3	3.1	M	73.3	10.3	4	129.0	699	16
DONMARIO	DM22E64 ↗	E3	2.2	M	72.6	8.6	4	121.7	693	17
FS HiSOY	HS 31E20 ↗	E3,ST	3.1	M	72.5	10.6	4	116.3	692	18
NuTech	24N05E ↗	E3	2.4	PK	72.3	11.6	4	131.7	690	19
Dyna-Gro	S28XF85 ↗	RXF	2.8	M	72.3	9.7	4	131.7	690	20
Stine	27EG22 § ↗	E3	2.7	PK	72.1	10.4	4	131.7	688	21
NuTech	28N03E ↗	E3	2.8	M	72.1	8.8	4	137.0	688	22
AgVenture	AV32B2E ↗	E3	3.2	M	72.0	9.7	4	129.3	687	23
Renk	RS255NXF ↗	RXF	2.5	M	71.8	9.5	4	134.3	685	24
P3 Genetics	2429E ↗	E3	2.9	M	71.7	9.9	4	134.3	684	25
Apex	AE3131S ↗	E3,ST	3.1	M	71.4	10.2	4	122.0	681	26
Pioneer	P33A62E § ↗	E3	3.3	M	71.2	12.6	4	119.0	679	27
Xitavo	XO 2865E ↗	E3	2.8	M	71.2	9.8	4	136.7	679	28
DONMARIO	DM24E84 ↗	E3	2.4	M	71.1	11.8	4	141.7	678	29
FS HiSOY	HS 25E30 ↗	E3	2.5	PK	70.7	10.7	4	126.3	674	30

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Averages = **69.5** **10.2** **4** **130.1** **663**

LSD (0.10) = 5.3 ns ns

LSD (0.25) = 2.8 ns ns

C.V. = 7.3

Historic yield: 63.54 bu/a, 22 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.00

Prices: GMO = \$9.54

Report Date: 10/10/2024

† 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

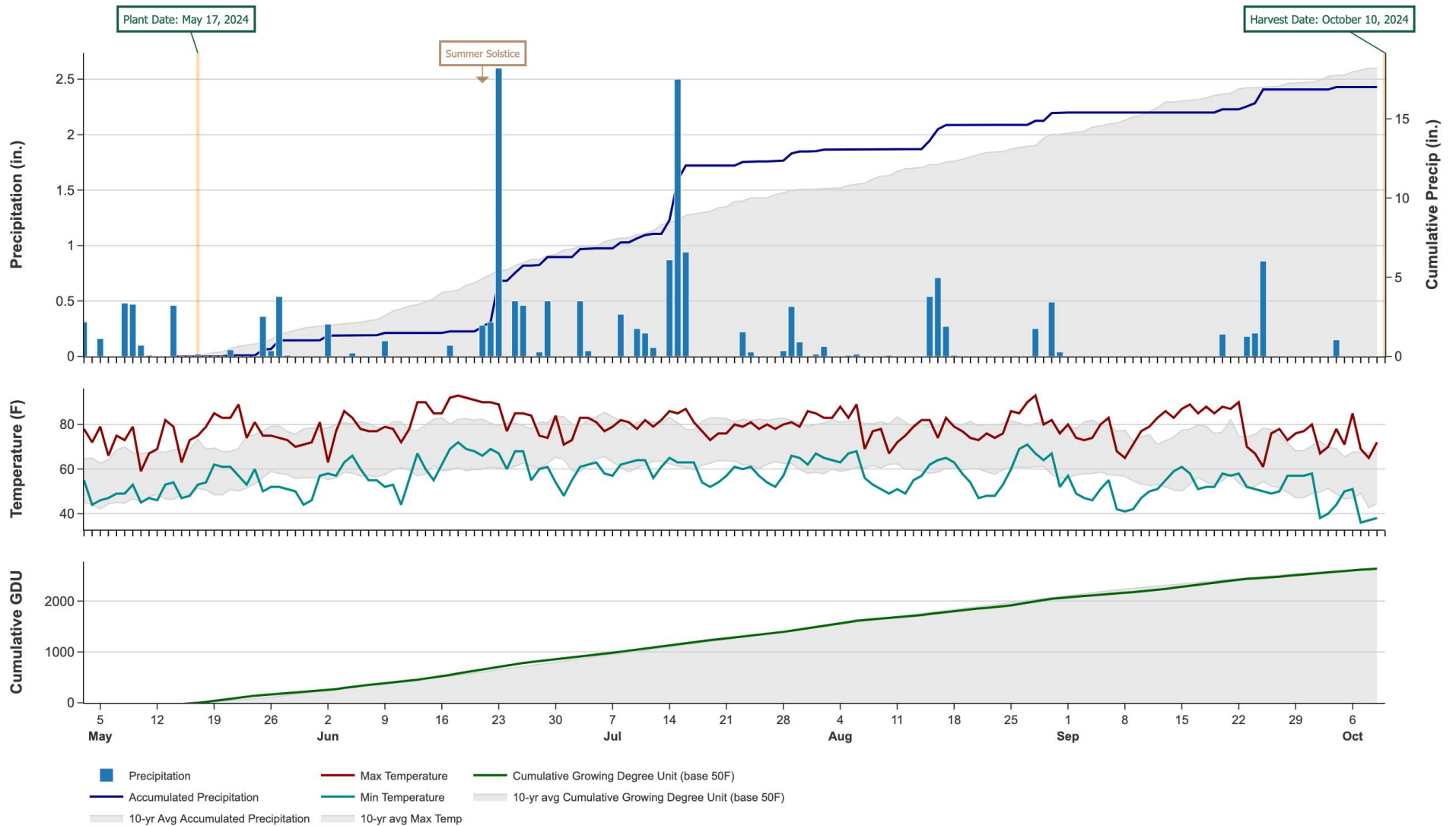
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2024 Soybeans - Illinois North [ILNO]

Weather Conditions Summary at MALTA, IL

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	3.0 4.7 (-1.7)	5.2 4.6 (+0.7)	6.7 4.1 (+2.6)	2.5 3.5 (-1.0)	1.4 3.3 (-1.8)	0.1 0.9 (-0.8)	19.0 21.0 (-2.0)
GDU Avg (Diff)	400 328 (+71)	634 597 (+36)	608 672 (-64)	595 622 (-27)	470 455 (+14)	108 85 (+22)	2815 2761 (+53)



* 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.
AgVenture	AV27Y1E	E3	PK	2.7	CMB-APX,SA
AgVenture	AV30B2E	E3	M	3.0	Lum, LumT, IL
AgVenture	AV32B2E	E3	M	3.2	Lum, LumT, IL
Apex	AE2750	E3	PK	2.7	PU
Apex	AE2940S	E3,ST	M	2.9	PU
Apex	AE3131S	E3,ST	M	3.1	PU
Asgrow	AG24XF4 §	RXF	R	2.4	ACi,IL
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG33XF3 §	RXF	R	3.3	ACi,IL
Burrus	2729E	E3,ST	PK	2.7	BPS-SDS
Cornelius	CB25XF99	RXF	M	2.5	PG+
Cornelius	CB27XF17	RXF	M	2.7	PG+
DONMARIO	DM22E64	E3	M	2.2	F,I,B
DONMARIO	DM24E84	E3	M	2.4	F,I,B
DONMARIO	DM32F74	RXF	M	3.2	F,I,B
Dyna-Gro	S28XF85	RXF	M	2.8	PLTM
Dyna-Gro	S29ES45	E3,ST	M	2.9	PLTM
Fortus	3393E GC	E3	NA	3.3	AC, SU
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 28F30	RXF	M	2.8	ACi,SA
FS HiSOY	HS 29E40	E3	PK	2.9	ACi,SA
FS HiSOY	HS 30E40	E3,ST	M	3.0	ACi,SA
FS HiSOY	HS 30F40	RXF	M	3.0	ACi,SA
FS HiSOY	HS 31E20	E3,ST	M	3.1	ACi,SA
Genesis	G2570ES	E3,ST	M	2.5	EcTC,SA
Genesis	G3171ES	E3,ST	M	3.1	EcTC,SA
Genesis	G3380E	E3	PK	3.3	EcTC,SA
Golden Harvest	GH2775E3 §	E3	M	2.7	CMB-APX,SA
Golden Harvest	GH3035E3 §	E3	M	3.0	CMB-APX,SA
Golden Harvest	GH3355E3S §	E3,ST	PK	3.3	CMB-APX,SA
Martin	M324-E3 GC	E3	M	3.2	NA
Martin	M335-E3 GC	E3	MR	3.3	NA
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
NuTech	30N06E	E3	M	3.0	Lum, LumT, IL
NuTech	32N04E	E3	M	3.2	Lum, LumT, IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
P3 Genetics	2331E	E3	M	3.1	PG+
P3 Genetics	2429E	E3	M	2.9	PG+
Pioneer	P28A39E §	E3	M	2.8	Lum, LumT, IL
Pioneer	P32Z91E §	E3	PK	3.2	Lum,Lu,IL
Pioneer	P33A62E §	E3	M	3.3	Lum, LumT, IL
ProHarvest	25E35	E3	PK	2.5	PU
Purple Ribbon	28E24	E3	M	2.9	ACi
Purple Ribbon	31E25	E3	M	3.1	ACi
Purple Ribbon	33E25	E3	B	3.3	ACi
Renk	RS255NXF	RXF	M	2.5	EcTC, NF, SA
Stine	25EG23 §	E3	M	2.5	TFX1,SA
Stine	27EG22 §	E3	PK	2.7	TFX1,SA
Stine	31EF02 §	E3	M	3.1	TFX1,SA
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
Xitavo	XO 3014E	E3,ST	M	3.0	PV,IL,OB,Rey
Xitavo	XO 3105E	E3	M	3.1	PV,IL,OB,Rey
Xitavo	XO 3224E	E3	PK	3.2	PV,IL,OB,Rey
Xitavo	XO 3375E	E3	M	3.3	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 Source or Rating

Note: Source of SCN resistance used when available, otherwise older susceptibility ratings are reported.

M	PI 88788 (MR)
PK	Peking (R)
H	Hartwig (R)
B	Blend (PK + M)
MR	moderate resistance
R	resistant
S	susceptible
NA	info unavailable

Soybeans Technologies

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
AC, SU	Acceleron standard+ StepUp
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EcTC, NF, SA	Eclipse US Total Coverage, N-Force, Saltro
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
F,I,B	Fungicide, Insecticide, Biological
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PLTM	DynaGro PLTM
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro

* Seed treatments may include unspecified plant health promoting components.