

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

2024 Soybeans Top 30 Harvest Report

Illinois South Central [ILSC] VIRDEN, IL
Roger Ladage, Macoupin County, IL 62690

All-Season Test	Maturity Group 3.3 - 4.3 S2024ILSC19
Top 30 of 71	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Atrazine, Balance Flexx, Laudis, Accent
SOIL DESCRIPTION:	Herrick silt loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 7.0 pH, 3.3% OM, 17.1 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Mongoose, Intensity, Anthem Maxx, Warrant Ultra, Flexstar, Liberty, Miravis Top, Lambda, Midash Forte
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 24 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 16 123.9 /A

TEST COMMENTS:

This location was planted later in the season and in fairly dry soil conditions. Within 24 hours of planting, heavy showers came through and left the soil saturated for a few days. It turned dry and hot shortly after, which crusted the top of the soil and made the plot struggle to emerge. Emergence was a little uneven and low compared to what was planted, but the plants compensated nicely later in the growing season. Shorter plants stood very well with smaller pod clusters but they had good seed size.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Apex	AE3550S ↗	E3,ST	3.5	M	91.4	9.1	1	124.3	872	1
Fortus	4125ES ↗	E3,ST	4.1	M	85.8	9.0	1	116.7	819	2
Golden Harvest	GH3765XF § ↗	RXF	3.7	M	81.9	9.1	1	124.3	781	3
Burrus	3966E ↗	E3	3.9	M	81.8	9.0	1	126.7	780	4
NuTech	43N06E ↗	E3	4.3	M	81.1	9.1	1	114.0	774	5
FS HiSOY	HS 41E40 ↗	E3,ST	4.1	M	80.9	8.8	1	129.3	772	6
FS HiSOY	HS 39E40 ↗	E3,ST	3.9	M	79.8	9.0	1	121.7	761	7
Dyna-Gro	S38EN75 ↗	E3	3.8	M	79.7	9.1	1	124.3	760	8
Great Heart	GT-3967XF ↗	RXF	3.9	R	79.4	8.9	1	126.7	757	9
Apex	AE3850 ↗	E3	3.8	M	79.3	9.3	1	132.0	757	10
Asgrow	AG36XF4 § ↗	RXF	3.6	R	78.9	8.8	1	121.7	753	11
Dyna-Gro	S37XF15 ↗	RXF	3.7	M	78.4	9.0	1	119.0	748	12
Great Heart	GT-3614XF ↗	RXF	3.6	R	76.8	8.9	1	116.7	733	13
Burrus	3415E ↗	E3,ST	3.4	PK	76.4	9.3	1	114.0	729	14
ProHarvest	35E52 ↗	E3	3.5	M	76.3	9.3	1	127.0	728	15
NuTech	36N06E ↗	E3	3.6	M	75.8	8.8	1	121.7	723	16
Apex	AE4150S ↗	E3,ST	4.1	M	75.8	8.8	1	124.3	723	17
FS HiSOY	HS 34E40 ↗	E3	3.4	PK	75.8	9.3	1	137.0	723	18
Cornelius	CB36XF60 ↗	RXF	3.6	M	75.6	9.0	1	116.7	721	19
Burrus	3767E ↗	E3	3.7	M	75.3	8.9	1	124.3	718	20
Apex	AE3950S ↗	E3,ST	3.9	M	75.1	8.9	1	126.7	716	21
FS HiSOY	HS 36E40 ↗	E3,ST	3.6	M	75.0	9.0	1	126.7	715	22
Burrus	4134E ↗	E3,ST	4.1	M	74.9	9.2	1	125.5	714	23
AgVenture	AV36B2E ↗	E3	3.6	M	74.6	9.3	1	129.3	712	24
Burrus	3647F ↗	RXF	3.6	M	74.5	9.2	1	116.7	711	25
DONMARIO	DM38E54 ↗	E3	3.8	M	74.5	9.3	1	121.7	711	26
Fortus	3665E ↗	E3	3.6	M	74.3	9.1	1	116.7	709	27
Xitavo	XO 3855E ↗	E3,ST	3.8	M	74.3	9.4	1	119.3	709	28
Great Heart	GT-3337E ↗	E3	3.3	R	74.2	9.3	1	129.3	708	29
AgVenture	AV38A1E ↗	E3	3.8	M	73.9	8.8	1	134.3	705	30

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Averages = **73.2** **9.1** **1** **123.9** **698**

LSD (0.10) = 6.5 0.3 ns

LSD (0.25) = 3.4 0.2 ns

C.V. = 8.5

Historic yield: 58.1 bu/a, 21 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.00

Prices: GMO = \$9.54

Report Date: 10/17/2024

† 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 exceeded 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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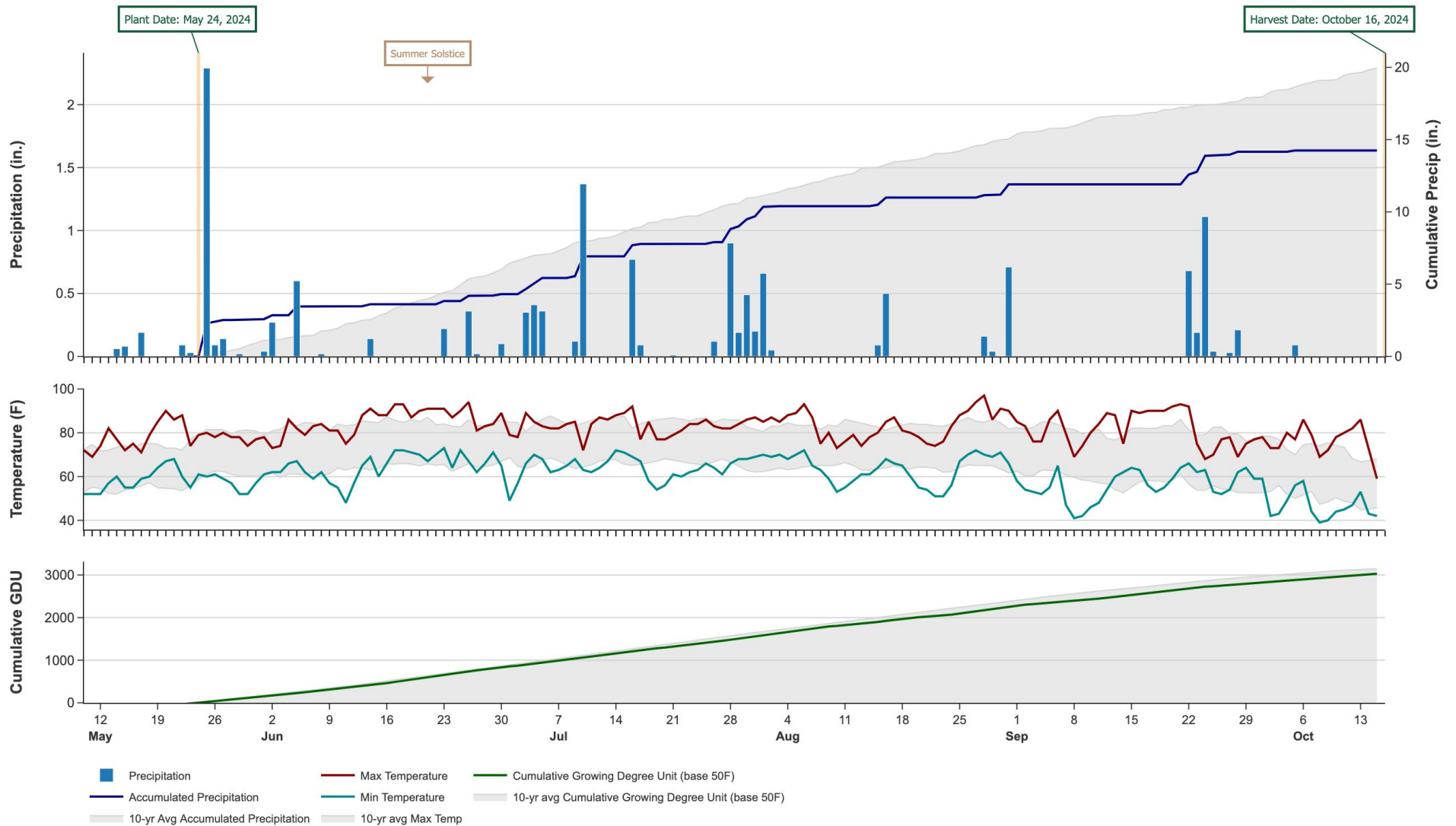
Additional reports available at www.firstseedtests.com

2024 Soybeans - Illinois South Central [ILSC]

Weather Conditions Summary at VIRDEN, IL

Weather Data Retrieved: 10/17/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	3.0 3.8 (-0.8)	1.8 5.1 (-3.3)	5.4 5.0 (+0.4)	2.2 4.0 (-1.8)	2.3 2.9 (-0.6)	0.1 2.0 (-1.9)	14.7 22.8 (-8.1)
GDU Avg (Diff)	394 362 (+31)	718 713 (+4)	722 788 (-66)	702 739 (-37)	558 577 (-19)	210 181 (+28)	3304 3362 (-58)



* 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 (71 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV34Y9E	E3	PK	3.4	CMB-APX,SA
AgVenture	AV36B2E	E3	M	3.6	Lum, LumT, IL
AgVenture	AV38A1E	E3	M	3.8	CMB-APX,SA
AgVenture	AV39B2E	E3	PK	3.9	Lum, LumT, IL
AgVenture	AV43B2BE	E3,ST	M	4.3	Lum, LumT, IL
Apex	AE3550S	E3,ST	M	3.5	PU
Apex	AE3850	E3	M	3.8	PU
Apex	AE3950S	E3,ST	M	3.9	PU
Apex	AE4150S	E3,ST	M	4.1	PU
Asgrow	AG36XF4 §	RXF	R	3.6	ACi,IL
Asgrow	AG38XF3 §	RXF	R	3.8	ACi,IL
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi,IL
Burrus	3415E	E3,ST	PK	3.4	BPS-SDS
Burrus	3647F	RXF	M	3.6	BPS-SDS
Burrus	3767E	E3	M	3.7	BPS-SDS
Burrus	3966E	E3	M	3.9	BPS-SDS
Burrus	4134E	E3,ST	M	4.1	BPS-SDS
Cornelius	CB33XF26	RXF	M	3.3	PG+
Cornelius	CB36XF60	RXF	M	3.6	PG+
DONMARIO	DM32F74	RXF	M	3.2	F,I,B
DONMARIO	DM36E94	E3	M	3.6	F,I,B
DONMARIO	DM36F84S	RXF,ST	M	3.6	F,I,B
DONMARIO	DM38E54	E3	M	3.8	F,I,B
Dyna-Gro	S37XF15	RXF	M	3.7	PLTM
Dyna-Gro	S38EN75	E3	M	3.8	PLTM
Fortus	3394E	E3	PK	3.3	AC, SU
Fortus	3665E	E3	M	3.6	AC, SU
Fortus	3815E	E3	M	3.8	AC, SU
Fortus	4125ES	E3,ST	M	4.1	AC, SU
Fortus	4335E	E3	M	4.3	AC, SU
FS HiSOY	HS 34E40	E3	PK	3.4	ACi,SA
FS HiSOY	HS 34F30	RXF	M	3.4	ACi,SA
FS HiSOY	HS 36E40	E3,ST	M	3.6	ACi,SA
FS HiSOY	HS 36F40	RXF	M	3.6	ACi,SA
FS HiSOY	HS 37E40	E3	M	3.7	ACi,SA
FS HiSOY	HS 39E40	E3,ST	M	3.9	F,I,NE
FS HiSOY	HS 41E40	E3,ST	M	4.1	F,I,NE
FS HiSOY	HS 42E40	E3	M	4.2	F,I,NE
Golden Harvest	GH3355E3S §	E3,ST	PK	3.3	CMB-APX,SA
Golden Harvest	GH3655E3S §	E3,ST	M	3.6	CMB-APX,SA
Golden Harvest	GH3765XF §	RXF	M	3.7	CMB-APX,SA
Golden Harvest	GH4093E3	E3	M	4.0	CMB-APX,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Great Heart	GT-3337E	E3	R	3.3	Gr+
Great Heart	GT-3614XF	RXF	R	3.6	Gr+
Great Heart	GT-3770E	E3	R	3.7	Gr+
Great Heart	GT-3967XF	RXF	R	3.9	Gr+
Great Heart	GT-3972E	E3	R	3.9	Gr+
Martin	M354-E3 GC	E3	M	3.5	Untreated
Martin	M362-E3 GC	E3,ST	M	3.6	NA
NuTech	34N02E	E3	PK	3.4	Lum, LumT, IL
NuTech	35N05E	E3	PK	3.5	Lum, LumT, IL
NuTech	36N06E	E3	M	3.6	Lum, LumT, IL
NuTech	37N03E	E3	M	3.7	Lum, LumT, IL
NuTech	38N05E	E3	M	3.8	Lum, LumT, IL
NuTech	39N08E	E3	PK	3.9	Lum, LumT, IL
NuTech	42N05E	E3	M	4.2	Lum, LumT, IL
NuTech	43N06E	E3	M	4.3	Lum, LumT, IL
P3 Genetics	2337E	E3	M	3.7	PG+
P3 Genetics	2438E	E3	M	3.8	PG+
Pioneer	P34A98E §	E3	R	3.4	Lum, LumT, IL
Pioneer	P37A18E §	E3	MR	3.7	Lum, LumT, IL
Pioneer	P42A84E §	E3	R	4.2	Lum, LumT, IL
ProHarvest	35E52	E3	M	3.5	PU
Stine	35EG92 §	E3	M	3.5	TFX1,SA
Stine	37EG23 §	E3	M	3.7	TFX1,SA
Stine	42EG23 §	E3	M	4.2	TFX1,SA
Xitavo	XO 3375E	E3	M	3.3	PV,IL,OB,Rey
Xitavo	XO 3483E	E3	M	3.4	PV,IL,OB,Rey
Xitavo	XO 3655E	E3,ST	M	3.6	PV,IL,OB,Rey
Xitavo	XO 3795E	E3	M	3.7	PV,IL,OB,Rey
Xitavo	XO 3855E	E3,ST	M	3.8	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,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®
F,I,B	Fungicide, Insecticide, Biological
F,I,NE	Fungicide, Insecticide, Nematicide
Gr+	Great Start Max Plus (Great Heart Seed)
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
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.