

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

2024 Soybeans Top 30 Harvest Report

Illinois South Central [ILSC] WILLIAMSVILLE, IL
Bruce & Nick Constant, Sangamon County, IL 62693

All-Season Test	Maturity Group 3.3 - 4.3 S2024ILSC20
Top 30 of 71	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore XI, Acuron Gt, Force 3g
SOIL DESCRIPTION:	Oscosilt loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.9 pH, 4.0% OM, 20.6 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Boundary 6.5 Ec, Liberty, Roundup Powermax3, Miravis Top, Endigo
FERTILITY - Applied N:	55 lb S pre-plant
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 23 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 15 132.7 /A

TEST COMMENTS:

This location was planted in a very nice seedbed and had very good emergence. The growing conditions in this area were ideal and made this plot grow extremely fast. Lots of vegetative growth quickly with not great stalk base made for heavy lodging across all varieties. Green Stem Syndrome was across the entire location with loads of green leaves still present making for an extremely difficult harvest. While most varieties still produced well there were a fair amount that trailed and had very small clusters with only one or two pods present.

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	102.6	9.3	11	134.3	979	1
DONMARIO	DM32F74 ↗	RXF	3.2	M	100.0	10.1	73	133.0	954	2
Great Heart	GT-3967XF ↗	RXF	3.9	R	93.9	10.7	55	131.7	896	3
Apex	AE3850 ↗	E3	3.8	M	86.8	10.4	54	116.3	828	4
Great Heart	GT-3337E ↗	E3	3.3	R	86.7	10.0	41	131.7	827	5
FS HiSOY	HS 42E40 ↗	E3	4.2	M	86.4	10.0	45	126.7	824	6
Cornelius	CB36XF60 ↗	RXF	3.6	M	84.3	9.6	70	134.3	804	7
FS HiSOY	HS 36F40 ↗	RXF	3.6	M	83.6	10.3	70	131.7	798	8
Xitavo	XO 3375E ↗	E3	3.3	M	83.1	10.1	26	127.0	793	9
Pioneer	P37A18E § ↗	E3	3.7	MR	83.0	10.6	31	134.0	792	10
Apex	AE4150S ↗	E3,ST	4.1	M	82.9	10.8	20	136.7	791	11
Great Heart	GT-3770E ↗	E3	3.7	R	82.6	11.7	46	129.3	788	12
DONMARIO	DM36F84S ↗	RXF,ST	3.6	M	82.3	10.2	50	141.7	785	13
Golden Harvest	GH3355E3S § ↗	E3,ST	3.3	PK	81.6	10.4	40	136.7	778	14
AgVenture	AV38A1E ↗	E3	3.8	M	81.6	10.9	41	134.3	778	15
FS HiSOY	HS 41E40 ↗	E3,ST	4.1	M	81.0	9.9	13	131.7	773	16
Fortus	4125ES ↗	E3,ST	4.1	M	80.9	10.1	21	134.3	772	17
NuTech	37N03E ↗	E3	3.7	M	80.5	11.2	23	139.0	768	18
DONMARIO	DM36E94 ↗	E3	3.6	M	79.6	10.1	18	134.0	759	19
FS HiSOY	HS 34E40 ↗	E3	3.4	PK	79.4	10.5	14	136.7	757	20
Cornelius	CB33XF26 ↗	RXF	3.3	M	79.0	9.6	40	136.7	754	21
Dyna-Gro	S37XF15 ↗	RXF	3.7	M	78.7	10.6	51	139.0	751	22
Burrus	4134E ↗	E3,ST	4.1	M	78.2	10.5	18	134.0	746	23
Asgrow	AG36XF4 § ↗	RXF	3.6	R	78.2	10.7	33	141.7	746	24
FS HiSOY	HS 34F30 ↗	RXF	3.4	M	78.1	11.3	34	131.7	745	25
Stine	35EG92 § ↗	E3	3.5	M	77.8	10.9	60	136.7	742	26
Dyna-Gro	S38EN75 ↗	E3	3.8	M	77.6	9.6	20	136.7	740	27
FS HiSOY	HS 37E40 ↗	E3	3.7	M	77.4	13.0	23	129.0	738	28
NuTech	43N06E ↗	E3	4.3	M	77.1	11.9	54	131.7	736	29
ProHarvest	35E52 ↗	E3	3.5	M	77.1	11.3	29	132.0	736	30



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Averages = **74.8** **10.6** **37** **132.7** **712**

LSD (0.10) = 10.9 1.3 18

LSD (0.25) = 5.7 0.7 9

C.V. = 13.9

Historic yield: 74.53 bu/a, 7 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.00

Prices: GMO = \$9.54

Report Date: 10/15/2024

† 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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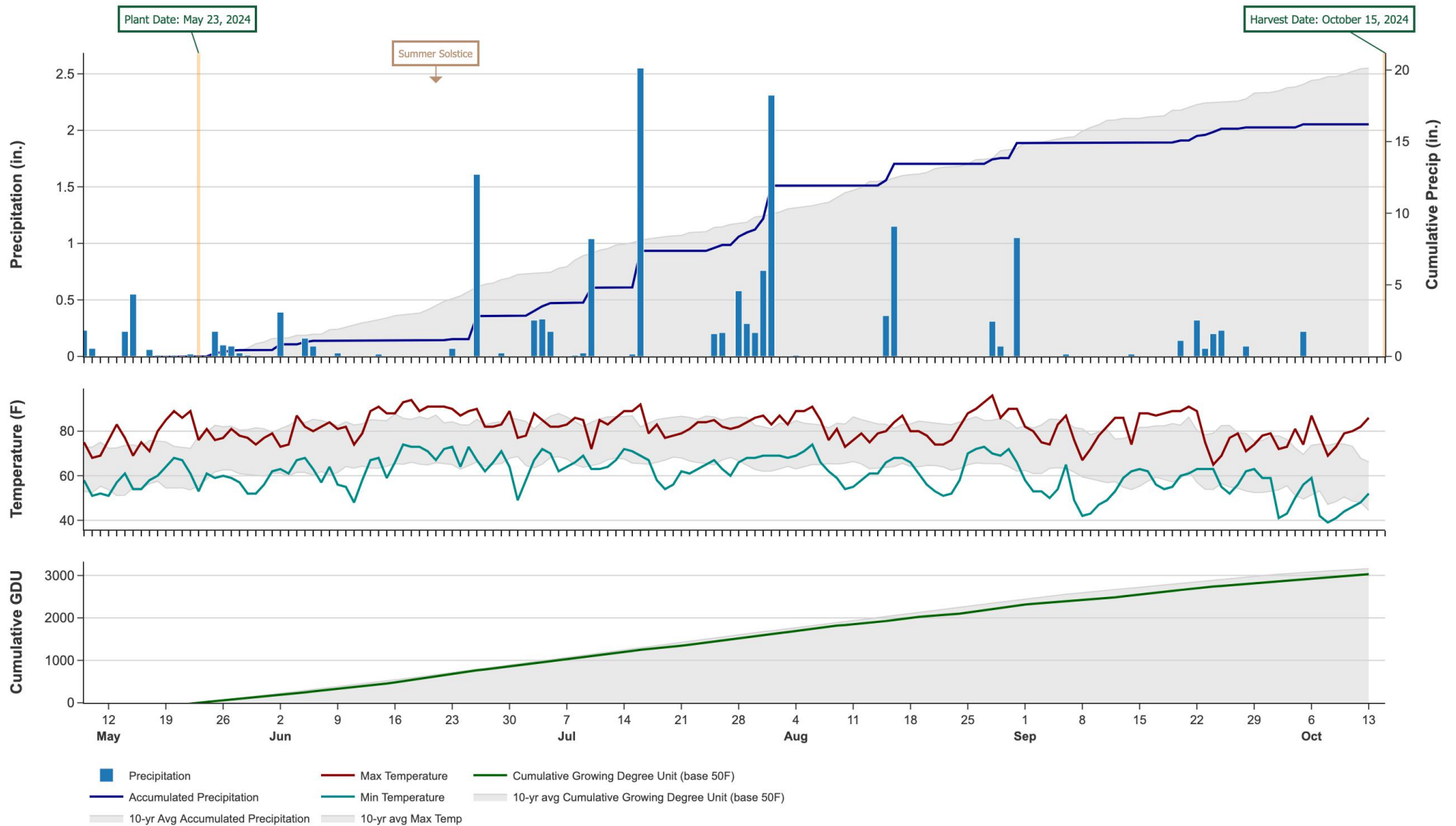
Additional reports available at www.firstseedtests.com

2024 Soybeans - Illinois South Central [ILSC]

Weather Conditions Summary at WILLIAMSVILLE, IL

Weather Data Retrieved: 10/15/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.6 3.3 (-1.7)	2.4 4.5 (-2.1)	6.8 4.3 (+2.4)	5.3 4.7 (+0.6)	1.1 3.9 (-2.8)	0.2 1.7 (-1.5)	17.4 22.4 (-5.1)
GDU Avg (Diff)	404 378 (+25)	724 717 (+6)	726 789 (-63)	708 744 (-36)	540 579 (-39)	194 160 (+33)	3296 3370 (-74)



* 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.