

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

2023 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 S2023ILSC20
Top 30 of 72	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Acuron, Resicore, Roundup Powermax
SOIL DESCRIPTION:	Ipava, Sable silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.6 pH, 4.0% OM, 18.9 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Boundary, Liberty, Everprex, Miravis Top, Endigo Zc
FERTILITY - Applied N:	9.7 lb Sulfur
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 18 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 23 123.2 /A

TEST COMMENTS:

This plot was planted in pretty dry soil conditions and was very slow growing at the start due to drought. Emergence was fairly even. Plants looked surprisingly good through most of the growing season considering the dry weather. Timely rains definitely helped when needed most. August weather in this area was ideal for growing soybeans. With all of the season's challenges considered, the crop was standing almost perfect. A bit of SDS was seen but not thought to be a cause of any major issues. Plants were on average 36" tall and had very good pod sets all the way to the top of the stems with some good seed size. A very nice and good producing location!

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Stine	38EG32 § ↗	E3	3.8	R	88.2	12.6	1	106.5	1147	1
Asgrow	AG39XF3 § ↗	RXF	3.9	R	83.1	12.3	1	126.7	1080	2
AgVenture	AV 41Y5E ↗	E3	4.1	MR	83.0	12.3	1	121.7	1079	3
NK Brand	NK42-A6E3S ↗	E3,ST	4.2	MR	82.7	12.6	1	110.0	1075	4
Lewis	3513XF ↗	RXF	3.5	R	81.7	12.9	1	126.7	1062	5
NK Brand	NK39-J2E3 ↗	E3	3.9	MR	81.6	12.4	1	134.0	1061	6
Golden Harvest	GH3994E3 ↗	E3	3.9	MR	81.4	12.2	1	118.0	1058	7
Golden Harvest	GH3774E3 ↗	E3	3.7	R	80.4	12.9	1	132.0	1045	8
FS HiSOY	HS 35E10 ↗	E3	3.5	R	79.0	12.6	1	119.0	1027	9
DONMARIO	DM36F84S ↗	RXF,ST	3.6	R	78.9	12.1	1	118.0	1024	10
FS HiSOY	HS 39E10 ↗	E3	3.9	R	78.8	12.1	1	121.7	1024	11
Burrus	3966E ↗	E3	3.9	R	78.8	12.3	1	129.0	1024	12
Golden Harvest	GH4093E3 § ↗	E3	4.0	R	78.5	11.9	1	127.0	1020	13
Asgrow	AG33XF3 § ↗	RXF	3.3	R	78.4	12.7	1	127.0	1019	14
Golden Harvest	GH4214E3S § ↗	E3,ST	4.2	MR	78.4	12.1	1	124.3	1019	15
Lewis	3932XF ↗	RXF	3.9	R	78.2	11.9	1	106.3	1017	16
Martin	M33-XF GC ↗	RXF	3.3	MR	78.1	12.4	1	132.0	1015	17
FS HiSOY	HS 42F10 ↗	RXF	4.2	R	77.9	12.2	1	108.7	1013	18
Dyna-Gro	S37ES52 ↗	E3,ST	3.7	R	77.8	12.1	1	122.0	1011	19
Xitavo	XO 3752E ↗	E3,ST	3.7	R	77.5	12.2	1	98.5	1008	20
AgVenture	AV 38A1E ↗	E3	3.8	MR	77.1	11.6	1	119.0	1002	21
NuTech	42N05E ↗	E3	4.2	R	77.1	11.4	1	134.0	1002	22
Xitavo	XO 3922E ↗	E3	3.9	R	77.0	12.3	1	119.3	1001	23
FS HiSOY	HS 41F30 ↗	RXF,ST	4.1	R	76.7	13.3	1	136.5	997	24
Great Heart	GT-3883XF ↗	RXF	3.8	R	76.5	12.7	1	122.0	994	25
Stone	2XF3843 ↗	RXF	3.8	R	76.4	12.2	1	122.0	993	26
NK Brand	NK40-P5E3 ↗	E3	4.0	R	76.3	12.2	1	119.0	992	27
Pioneer	P38A28E § ↗	E3	3.8	MR	76.2	11.9	1	124.0	991	28
NuTech	36N04E ↗	E3	3.6	R	76.2	13.0	1	118.0	991	29
Brevant	B342EE GC ↗	E3	3.4	R	75.7	12.4	1	139.3	984	30

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Averages = **75.1** **12.3** **1** **123.2** **975**

LSD (0.10) = 5.2 0.4 ns

LSD (0.25) = 2.7 0.2 ns

C.V. = 6.6

Historic yield: 74.52 bu/a, 5 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.00 Prices: GMO = \$13.00

Report Date: 10/23/2023

† 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

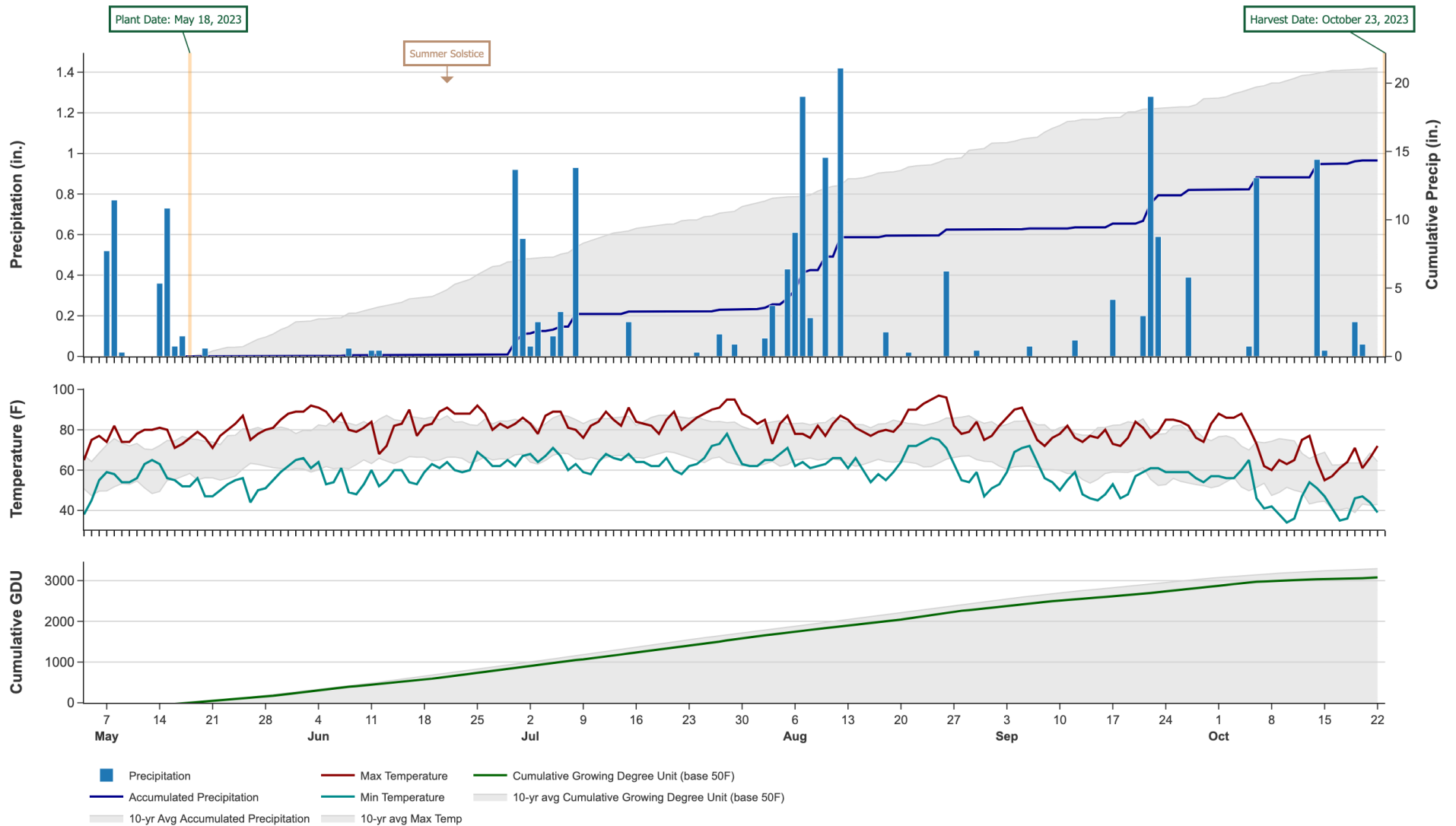
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2023 Soybeans - Illinois South Central [ILSC]

Weather Conditions Summary at WILLIAMSVILLE, IL

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.6 4.6 (-2.0)	1.0 4.8 (-3.7)	2.4 4.1 (-1.7)	5.8 4.1 (+1.7)	2.9 3.7 (-0.8)	2.2 2.2 (-0.0)	16.9 23.5 (-6.6)
GDU Avg (Diff)	458 425 (+32)	634 716 (-82)	758 782 (-24)	700 741 (-41)	542 581 (-39)	227 229 (-2)	3319 3477 (-158)



* 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 (72 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV 34Y9E	E3	R	3.4	Lum,Lu,IL
AgVenture	AV 38A1E	E3	MR	3.8	Lum,Lu,Lud,IL
AgVenture	AV 39Y3E	E3	MR	3.9	F,I,SA
AgVenture	AV 41Y5E	E3	MR	4.1	F,I,SA
AgVenture	AV 42A1E	E3	MR	4.2	Lum,Lu,Lud,IL
Apex	AE3340	E3	R	3.3	PU
Apex	AE3541	E3	R	3.5	PU
Apex	AE3720S	E3,ST	R	3.7	PU
Asgrow	AG33XF3 §	RXF	R	3.3	ACi,IL
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi,IL
Brevant	B342EE GC	E3	R	3.4	Lum,Lu,IL
Burrus	3875E GC	E3	R	3.8	BPS-SDS
Burrus	3886F	RXF	R	3.8	BPS-SDS
Burrus	3966E	E3	R	3.9	BPS-SDS
Cornelius	CB37XF70	RXF	R	3.7	PG+
Cornelius	CB41XF50	RXF	R	4.1	PG+
DONMARIO	DM34E11	E3	R	3.4	BPS-SDS
DONMARIO	DM36F84S	RXF,ST	R	3.6	CMB-APX,SA
DONMARIO	DM40E44	E3	R	4.0	CMB-APX,SA
Dyna-Gro	S37ES52	E3,ST	R	3.7	EQV,Sa,Va
Dyna-Gro	S41EN72	E3	R	4.1	EQV,Sa,Va
Dyna-Gro	S42XF93S	RXF,ST	MR	4.2	EQV,Sa,Va
FS HiSOY	HS 33E20	E3,ST	R	3.3	ACi,SA
FS HiSOY	HS 35E10	E3	R	3.5	ACi,SA
FS HiSOY	HS 37F00	RXF	R	3.7	ACi,SA
FS HiSOY	HS 39E10	E3	R	3.9	ACi,SA
FS HiSOY	HS 40E30	E3	R	4.0	ACi,SA
FS HiSOY	HS 41F30	RXF,ST	R	4.1	ACi,SA
FS HiSOY	HS 42E10	E3,ST	R	4.2	ACi,SA
FS HiSOY	HS 42F10	RXF	R	4.2	ACi,SA
Golden Harvest	GH3774E3	E3	R	3.7	CMB-APX,SA
Golden Harvest	GH3994E3	E3	MR	3.9	CMB-APX,SA
Golden Harvest	GH4093E3 §	E3	R	4.0	CMB-APX,SA
Golden Harvest	GH4214E3S §	E3,ST	MR	4.2	CMB-APX,SA
Great Heart	GT-3883XF	RXF	R	3.8	Gr+
Great Heart	GT-3894ES	E3,ST	R	3.8	Gr+
Great Heart	GT-3967XF	RXF	R	3.9	Gr+
Great Heart	GT-4005ES	E3,ST	R	4.0	Gr+
Great Heart	GT-4366XFS	RXF,ST	R	4.3	Gr+
Lewis	3513XF	RXF	R	3.5	ACi,IL
Lewis	3834XF	RXF	R	3.8	ACi,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Lewis	3932XF	RXF	R	3.9	ACi,IL
Martin	M33-XF GC	RXF	MR	3.3	EcQ,NF,NH
NK Brand	NK33-W2E3S §	E3,ST	R	3.3	CMB-APX,SA
NK Brand	NK39-J2E3	E3	MR	3.9	CMB-APX,SA
NK Brand	NK40-P5E3	E3	R	4.0	CMB-APX,SA
NK Brand	NK42-A6E3S	E3,ST	MR	4.2	CMB-APX,SA
NuTech	33N04E	E3	R	3.3	Lum,Lu,IL
NuTech	34N02E	E3	R	3.4	Lum,Lu,IL
NuTech	36N04E	E3	R	3.6	Lum,Lu,IL
NuTech	37N03E	E3	R	3.7	Lum,Lu,IL
NuTech	39N07E	E3	R	3.9	Lum,Lu,IL
NuTech	42N05E	E3	R	4.2	Lum,Lu,IL
P3 Genetics	2239E	E3	R	3.9	PG+
P3 Genetics	2337E	E3	R	3.7	PG+
Pioneer	P31A73E §	E3	R	3.1	Lum, LumT, IL
Pioneer	P37A18E §	E3	MR	3.7	Lum, LumT, IL
Pioneer	P38A28E §	E3	MR	3.8	Lum, LumT, IL
ProHarvest	37E41S	E3,ST	R	3.7	PU
Stine	37FD02 §	RXF	R	3.7	ACi
Stine	38EG32 §	E3	R	3.8	ACi
Stine	40FD29 §	RXF	R	4.0	ACi
Stone	2XF3843	RXF	R	3.8	ACi,IL
Xitavo	XO 3483E	E3	MR	3.4	PV,IL,OB,Rey
Xitavo	XO 3752E	E3,ST	R	3.7	PV,IL,OB,Rey
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB,Rey
Xitavo	XO 4084E	E3,ST	R	4.0	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB,Rey
Xitavo	XO 4364E	E3,ST	R	4.3	PV,IL,OB,Rey
Zinesto	Z3303E GC	E3	R	3.3	Treated

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	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EcQ,NF,NH	Eclipse US Total Quad-R, N-Force, N-Hibit
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
F,I,SA	Fungicide, Insecticide, Saltro®
Gr+	Great Start Max Plus (Great Heart Seed)
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
Treated	Treated, unspecified

* Seed treatments may include unspecified plant health promoting components.