

Test by: F.I.R.S.T. NCB, Inc. Lanark, IL

2023 Soybeans Top 30 Harvest Report

Illinois North [ILNO] MALTA, IL
Steve Drendel, DeKalb County, IL 60150

All-Season Test	Maturity Group 2.4 - 3.3 S2023ILNO11
Top 30 of 72	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore, Atrazine Halex Gt, Veltyma, Bifenthrin, Mustang
SOIL DESCRIPTION:	Catlin silt loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.4 pH, 3.7% OM, 16.9 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Sc, Liberty, Revytek, Kilter
FERTILITY - Applied N:	43 Fall
Applied N-P-K (units):	43-110-93
SEEDED - RATE - ROW:	May 20 160.0 /A 15" spacing
HARVESTED - STAND:	Oct 22 83.5 /A

TEST COMMENTS:

There was not much moisture available at planting time. Seeds that did end up in moisture germinated right away, but a good portion did not germinate until after an early July rain. This made for uneven plant heights throughout the plot. Harvest was delayed to let the green plant dye back. Most of the varieties filled in and compensated as the growing season went on. I was not sure how this location would turn out, but it looked the best I'd seen all year at harvest time.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
P3 Genetics	2429E ↗	E3	2.9	R	84.7	13.8	1	89.3	1143	1
Dyna-Gro	S29EN62 ↗	E3	2.9	R	82.4	13.9	1	83.3	1112	2
Asgrow	AG30XF4 § ↗	RXF	3.0	R	79.9	13.8	1	86.7	1079	3
DONMARIO	DM27E34 ↗	E3	2.7	R	79.5	13.5	1	75.3	1073	4
Xitavo	XO 3224E ↗	E3	3.2	R	79.1	13.9	1	80.7	1068	5
NuTech	27N03E ↗	E3	2.7	R	79.1	13.5	1	81.0	1068	6
Xitavo	XO 3014E ↗	E3,ST	3.0	R	78.9	14.0	1	89.3	1065	7
P3 Genetics	2331E ↗	E3	3.1	R	78.6	13.7	1	72.7	1061	8
Apex	AE2940S ↗	E3,ST	2.9	R	78.2	14.0	1	67.0	1056	9
Purple Ribbon	31E23 ↗	E3	3.1	MR	77.7	13.5	1	89.0	1049	10
Stine	28EG29 § ↗	E3	2.8	R	77.6	13.5	1	89.3	1048	11
Genesis	G3171ES ↗	E3,ST	3.1	R	77.3	13.8	1	89.3	1044	12
Golden Harvest	GH3023XF ↗	RXF	3.0	R	77.3	13.6	1	83.7	1044	13
Apex	AE3131S ↗	E3,ST	3.1	R	77.2	13.8	1	67.0	1042	14
NuTech	27N06E ↗	E3	2.7	R	76.9	13.6	1	78.0	1038	15
FS HiSOY	HS 31E20 ↗	E3,ST	3.1	R	76.5	14.1	1	89.3	1033	16
Stine	27EG22 § ↗	E3	2.7	R	76.0	13.3	1	83.7	1026	17
Asgrow	AG33XF3 § ↗	RXF	3.3	R	75.9	13.7	1	78.3	1025	18
Cornelius	CB29XF44 ↗	RXF	2.9	R	75.8	14.1	1	108.7	1023	19
Xitavo	XO 2832E ↗	E3	2.8	R	75.6	13.5	1	75.0	1021	20
Zinesto	Z3104E ↗	E3	3.1	R	75.6	13.9	1	92.0	1021	21
NuTech	29N02E ↗	E3	2.9	R	75.1	13.5	1	95.0	1014	22
NK Brand	NK33-W2E3S ↗	E3,ST	3.3	R	75.1	13.9	1	94.7	1014	23
Dyna-Gro	S25EN74 ↗	E3	2.5	R	75.1	13.5	1	75.3	1014	24
NuTech	31N07E ↗	E3	3.1	R	75.0	13.3	1	64.3	1012	25
Pioneer	P28A65E § ↗	E3	2.8	R	75.0	14.0	1	78.0	1012	26
NuTech	33N04E ↗	E3	3.3	R	74.8	13.8	1	92.0	1010	27
Purple Ribbon	28E22 ↗	E3	2.8	MR	74.8	13.7	1	78.0	1010	28
Pioneer	P29A19E § ↗	E3	2.9	MR	74.5	13.8	1	67.0	1006	29
Dyna-Gro	S31EN14 ↗	E3	3.1	R	74.0	14.0	1	83.7	999	30

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Averages = **73.5** **13.7** **1** **83.5** **993**

LSD (0.10) = 5.1 ns ns

LSD (0.25) = 2.7 ns ns

C.V. = 6.6

Historic yield: 60.94 bu/a, 21 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.00 Prices: GMO = \$13.50

Report Date: 10/22/2023

† 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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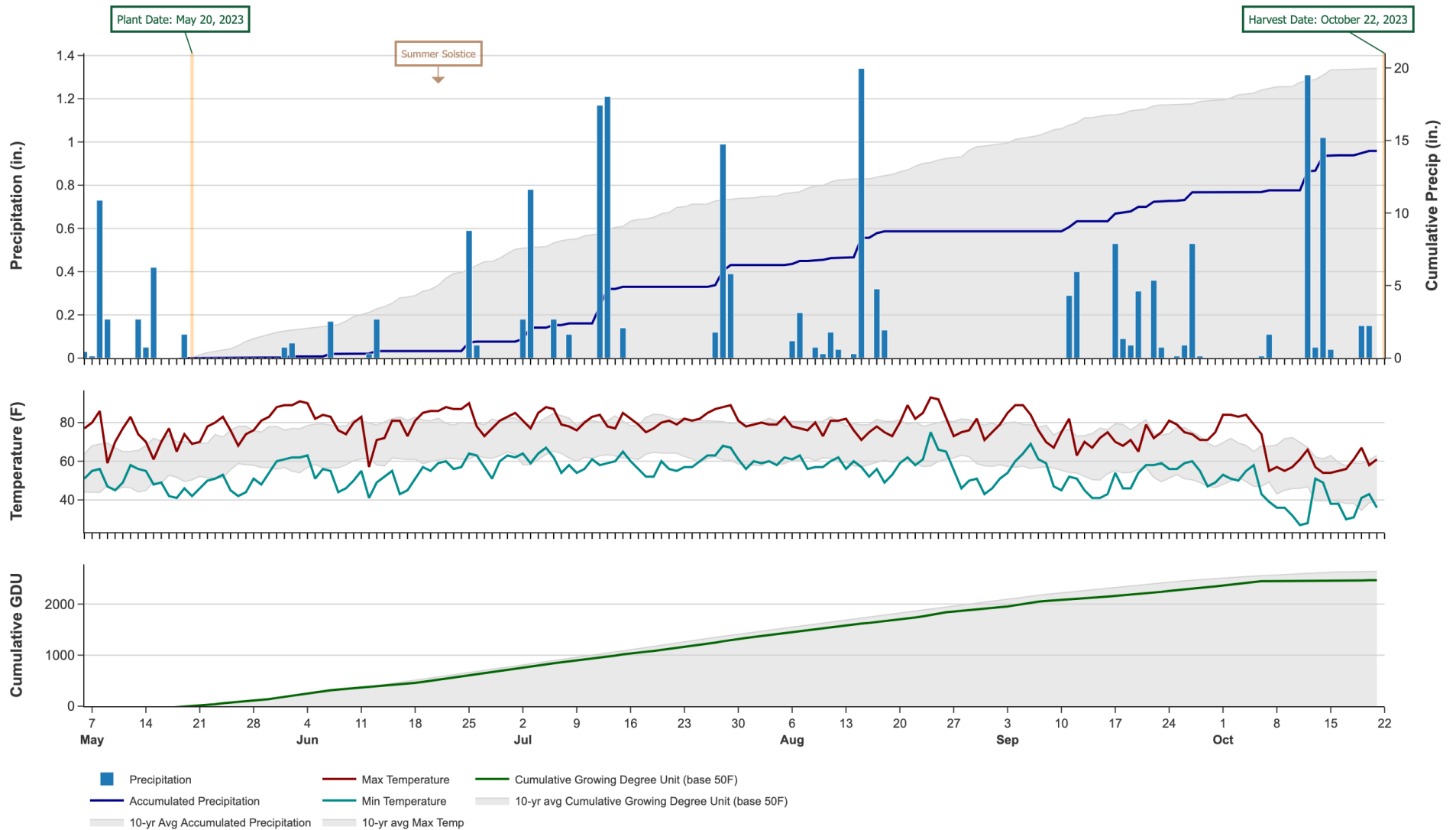
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2023 Soybeans - Illinois North [ILNO]

Weather Conditions Summary at MALTA, IL

Weather Data Retrieved: 10/22/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.7 4.3 (-2.6)	1.1 5.4 (-4.3)	5.3 3.8 (+1.5)	2.3 3.6 (-1.3)	2.7 3.2 (-0.5)	2.8 2.2 (+0.7)	16.0 22.5 (-6.5)
GDU Avg (Diff)	348 305 (+42)	542 594 (-52)	633 667 (-34)	571 619 (-48)	439 452 (-13)	121 140 (-19)	2654 2780 (-126)



* 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.
AgriGold	G2820XF GC	RXF	R	2.8	ASfi,SA
AgriGold	G2951E3 GC	E3	R	2.9	ASfi,SA
Apex	AE2740 GC	E3	R	2.7	PU
Apex	AE2940S	E3,ST	R	2.9	PU
Apex	AE3131S	E3,ST	R	3.1	PU
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG28XF3 GC	RXF	R	2.8	ACi,IL
Asgrow	AG30XF4 §	RXF	R	3.0	ACi,IL
Asgrow	AG33XF3 §	RXF	R	3.3	ACi,IL
Brevant	B283EE GC	E3	R	2.8	Lum,Lu,Lud,IL
Cornelius	CB29XF44	RXF	R	2.9	PG+
DONMARIO	DM24E23	E3	R	2.4	BPS-SDS
DONMARIO	DM27E34	E3	R	2.7	BPS-SDS
Dyna-Gro	S25EN74	E3	R	2.5	EQ,VA,Sa
Dyna-Gro	S25XF64	RXF	R	2.5	EQV,Sa,Va
Dyna-Gro	S29EN62	E3	R	2.9	EQV,Sa,Va
Dyna-Gro	S31EN14	E3	R	3.1	EQV,Sa,Va
FS HiSOY	HS 24E30	E3	R	2.4	ACi,SA
FS HiSOY	HS 24F00	RXF,ST	R	2.4	ACi,SA
FS HiSOY	HS 25E30	E3	R	2.5	ACi,SA
FS HiSOY	HS 26E20	E3	R	2.6	ACi,SA
FS HiSOY	HS 27E30	E3	R	2.7	ACi,SA
FS HiSOY	HS 30E20	E3	R	3.0	ACi,SA
FS HiSOY	HS 31E20	E3,ST	R	3.1	ACi,SA
FS HiSOY	HS 32E30	E3	R	3.2	ACi,SA
Genesis	G2480E	E3	R	2.4	EcQ,NF,NH,SA
Genesis	G2570ES	E3,ST	R	2.5	EcQ,NF,NH,SA
Genesis	G2780E	E3	R	2.7	EcQ,NF,NH,SA
Genesis	G3171ES	E3,ST	R	3.1	EcQ,NF,NH,SA
Golden Harvest	GH2884XF §	RXF	MR	2.8	CMB-APX,SA
Golden Harvest	GH3023XF	RXF	R	3.0	CMB-APX,SA
Golden Harvest	GH3043E3 §	E3	R	3.0	CMB-APX,SA
NK Brand	NK26-M6E3 §	E3	MR	2.6	CMB-APX,SA
NK Brand	NK28-B9E3S	E3,ST	MR	2.8	CMB-APX,SA
NK Brand	NK28-P6XF	RXF	MR	2.8	CMB-APX,SA
NK Brand	NK33-W2E3S	E3,ST	R	3.3	CMB-APX,SA
NuTech	24N05E	E3	R	2.4	Lum,Lu,IL
NuTech	25N04E	E3	R	2.5	Lum,Lu,IL
NuTech	27N03E	E3	R	2.7	Lum,Lu,IL
NuTech	27N06E	E3	R	2.7	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
NuTech	29N04E	E3	R	2.9	Lum,Lu,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NuTech	31N07E	E3	R	3.1	Lum,Lu,IL
NuTech	33N04E	E3	R	3.3	Lum,Lu,IL
P3 Genetics	2331E	E3	R	3.1	PG+
P3 Genetics	2429E	E3	R	2.9	PG+
Pioneer	P25A16E GC	E3	R	2.5	Lum, LumT, IL
Pioneer	P28A65E §	E3	R	2.8	Lum, LumT, IL
Pioneer	P29A19E §	E3	MR	2.9	Lum,Lu,Lud,IL
Pioneer	P31A73E §	E3	R	3.1	Lum, LumT, IL
Purple Ribbon	28E22	E3	MR	2.8	CMB
Purple Ribbon	31E23	E3	MR	3.1	CMB
Purple Ribbon	33E23	E3	MR	3.3	CMB
Stine	24FD32 §	RXF	R	2.4	ACi
Stine	27EG22 §	E3	R	2.7	ACi
Stine	28EG29 §	E3	R	2.8	ACi
Stone	2XF2544	RXF	R	2.5	ACi,IL
Stone	2XF2944	RXF	R	2.9	ACi,IL
Xitavo	XO 2444E	E3,ST	R	2.4	PV,IL,OB,Rey
Xitavo	XO 2501E GC	E3	R	2.5	PV,IL,OB,Rey
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 2963E	E3	R	2.9	PV,IL,OB,Rey
Xitavo	XO 3014E	E3,ST	R	3.0	PV,IL,OB,Rey
Xitavo	XO 3224E	E3	R	3.2	PV,IL,OB,Rey
Zinesto	Z2404E	E3	R	2.4	DST5
Zinesto	Z2503E	E3	R	2.5	DST5
Zinesto	Z2504E	E3	R	2.5	DST5
Zinesto	Z2604E	E3	R	2.6	DST5
Zinesto	Z2700E	E3	R	2.7	DST5
Zinesto	Z2902E	E3	NA	2.9	DST5
Zinesto	Z3104E	E3	R	3.1	DST5

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®
ASfi,SA	AgriShield Max with Saltro®
BPS-SDS	Burrus PowerShield® SDS
CMB	CruiserMaxx® Beans
CMB-APX,SA	CruiserMaxx® APX with Saltro®
DST5	Dominance 5 ST
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
EQ,VA,Sa	Equity VAYO, Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
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®

* Seed treatments may include unspecified plant health promoting components.