

Test by: Effingham, IL

2022 Soybeans Top 30 Harvest Report

Illinois South [ILSO] NASHVILLE, IL
Dan Bartling, Washington County, IL

All-Season Test	Maturity Group 3.5 - 4.5 S2022ILSO03
Top 30 of 70	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Accuron, Flexi, Atrazine
SOIL DESCRIPTION:	Cisne silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	low P, low K, 6.1 pH, 1.5% OM, 11.0 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Roundup 2, 4d, Valor, Liberty, Tapout, Hero, Sultrus
Applied N-P-K (units):	0-0-140
SEEDED - RATE - ROW:	May 13 139.4 /A 30" spacing
HARVESTED - STAND:	Oct 15 79.4 /A

TEST COMMENTS:

This conventional location was planted in early May. It had good emergence and great plant health all season. Plant heights were normal with very little lodging. Yields were a little behind due to the dry September which took the top end off the full-season varieties. Weed control was excellent. Overall good location with a great cooperator.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK44-Q5E3S § ↗	E3,ST	4.4	R	68.9	11.2	1	91.3	940	1
Pioneer	P40A36E GC ↗	E3	4.0	NA	68.4	11.4	1	77.0	932	2
NuTech	35N03E ↗	E3	3.5	R	64.3	11.3	2	88.3	878	3
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	63.9	11.5	2	72.7	872	4
DONMARIO	DM3756E ↗	E3	3.7	R	63.6	11.4	1	77.3	868	5
NuTech	45N09E ↗	E3	4.5	R	61.4	11.5	1	90.0	838	6
Stine	38EF32 § ↗	E3	3.8	R	61.3	11.4	1	63.3	837	7
Apex	AE3920 ↗	E3	3.9	R	61.1	11.2	1	96.0	834	8
Stine	36EB32 GC ↗	E3	3.6	R	60.7	11.3	1	86.7	829	9
AgVenture	AV39Y3E ↗	E3	3.9	MR	60.7	11.1	1	82.0	829	10
Stine	39EC22 GC ↗	E3	3.9	R	60.5	11.2	1	77.3	826	11
Xitavo	XO 3651E ↗	E3	3.6	R	60.4	11.7	1	83.7	824	12
Apex	AE4120 ↗	E3	4.1	R	60.1	11.2	1	71.3	820	13
Great Heart	GT-4042XF ↗	RXF	4.0	R	59.8	11.3	2	77.7	816	14
NuTech	37N01E ↗	E3	3.7	R	59.8	11.6	1	83.7	816	15
NuTech	43N04E ↗	E3	4.3	R	59.7	10.9	1	77.7	815	16
NuTech	34N02E GC ↗	E3	3.4	R	59.6	11.3	1	86.7	814	17
Xitavo	XO 4132E ↗	E3	4.1	R	59.5	11.1	2	80.7	812	18
AgVenture	AV41Y5E ↗	E3	4.1	MR	59.5	11.0	1	80.7	812	19
Great Heart	GT-4039E ↗	E3	4.0	R	59.5	10.9	1	74.3	812	20
Xitavo	XO 3922E ↗	E3	3.9	R	59.3	11.6	1	90.0	809	21
AgriGold	G3692XF ↗	RXF,ST	3.6	R	59.2	11.2	1	91.3	808	22
NuTech	40N02E ↗	E3	4.0	R	58.7	11.2	1	76.0	801	23
AgriGold	G3577E3 ↗	E3,ST	3.5	R	58.6	11.3	1	88.3	800	24
NK Brand	NK37-V4E3S ↗	E3,ST	3.7	MR	58.5	11.3	2	80.7	799	25
Xitavo	XO 3861E ↗	E3	3.8	R	58.5	11.1	1	77.7	799	26
Asgrow	AG41XF2 GC ↗	RXF	4.1	R	58.0	11.0	1	80.7	792	27
Xitavo	XO 3483E ↗	E3,ST	3.4	MR	57.9	11.0	1	71.0	790	28
Stone	2XF4053-SR ↗	RXF,ST	4.0	R	57.9	11.0	1	88.3	790	29
FS HISOY	HS 44F20 ↗	RXF	4.4	R	57.7	11.1	2	79.0	788	30

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Averages = **56.4** **11.3** **1** **79.4** **771**

LSD (0.10) = 5.5 ns 1

LSD (0.25) = 2.9 ns 0

C.V. = 9.3 Historic yield: 57.62 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.00 Prices: GMO = \$13.65

Report Date: 10/16/2022

† 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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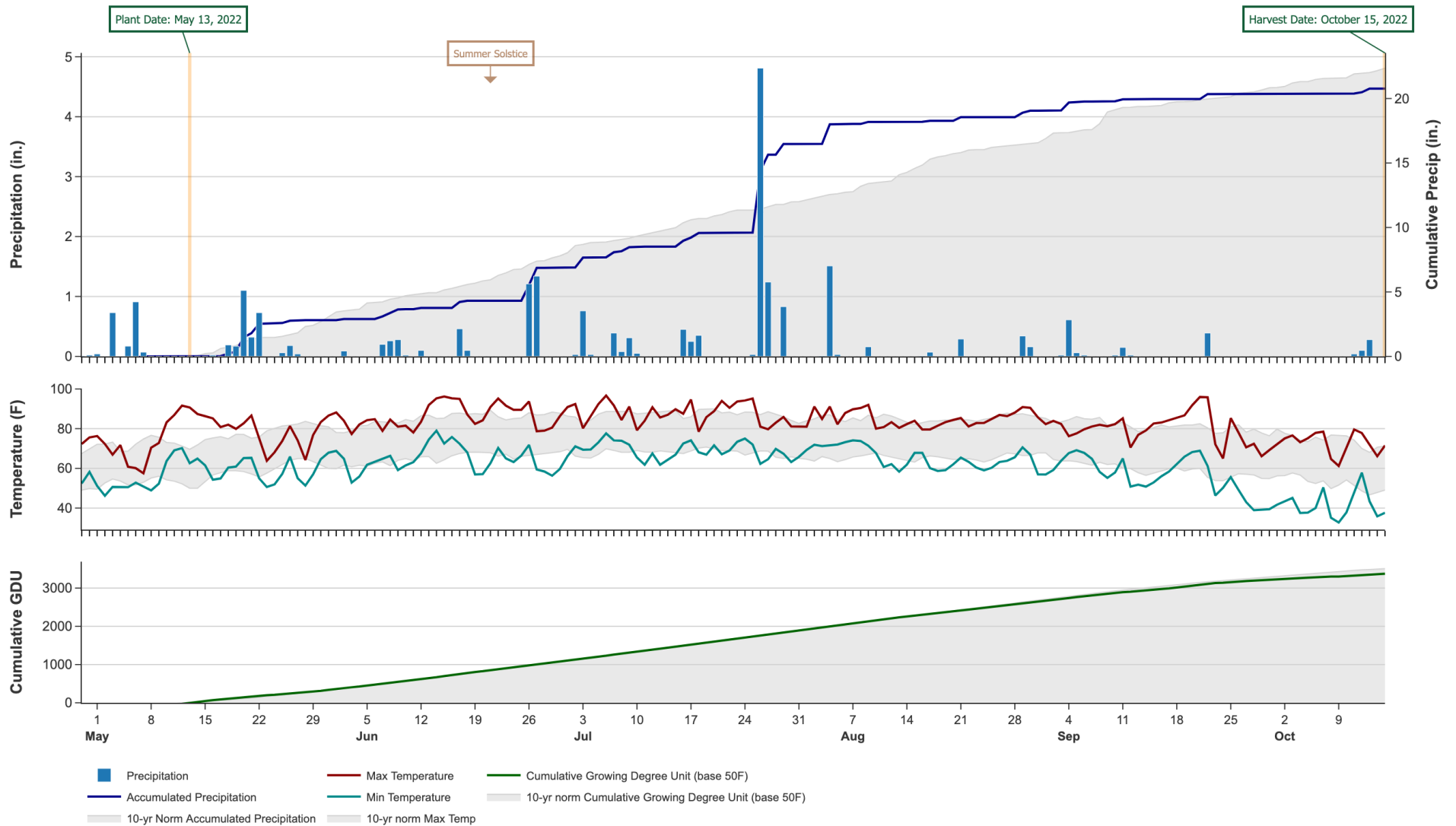
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2022 Soybeans - Illinois South [ILSO]

Weather Conditions Summary at NASHVILLE, IL

Weather Data Retrieved: 10/16/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.0 0.8 (-0.8)	4.7 5.1 (-0.4)	4.1 4.7 (-0.7)	9.6 4.2 (+5.4)	2.6 4.6 (-2.0)	1.3 4.3 (-3.0)	0.4 1.5 (-1.1)	22.7 25.2 (-2.5)
GDU Normal (Diff)	29 18 (+10)	526 502 (+23)	724 739 (-15)	827 830 (-3)	763 779 (-16)	559 614 (-55)	162 204 (-42)	3590 3689 (-99)



* 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 (70 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgriGold	G3577E3	E3,ST	R	3.5	ASfi,SA
AgriGold	G3692XF	RXF,ST	R	3.6	ASfi,SA
AgriGold	G3875E3	E3	R	3.8	ASfi,SA
AgriGold	G4144XF	RXF,ST	R	4.1	ASfi,SA
AgVenture	AV38V3E	E3	MR	3.8	F,I,SA
AgVenture	AV39Y3E	E3	MR	3.9	F,I,SA
AgVenture	AV41Y5E	E3	MR	4.1	F,I,SA
AgVenture	AV43V6E	E3	MR	4.3	F,I,SA
Apex	AE3920	E3	R	3.9	PU
Apex	AE4120	E3	R	4.1	PU
Asgrow	AG37XF1 GC	RXF	R	3.7	ACi
Asgrow	AG38XF1 §	RXF	R	3.8	ACi
Asgrow	AG38XF3 §	RXF	R	3.8	ACi,IL
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi
Asgrow	AG41XF2 GC	RXF	R	4.1	ACi
Asgrow	AG42XF2 GC	RXF	NA	4.2	Untreated
Asgrow	AG43XF2 GC	RXF	NA	4.3	Untreated
DONMARIO	DM3756E	E3	R	3.7	CMBV
DONMARIO	DM37E43S	E3,ST	R	3.7	CMBV
DONMARIO	DM41E73	E3	R	4.1	CMBV
DONMARIO	DM41F33S	RXF,ST	R	4.1	CMBV
Dyna-Gro	S38XF22S	RXF,ST	MR	3.8	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 38E20	E3,ST	R	3.8	ACi,SA,B-200
FS HiSOY	HS 38F20	RXF	R	3.8	ACi,SA,B-200
FS HiSOY	HS 40F20	RXF	R	4.0	ACi,SA,B-200
FS HiSOY	HS 41E20	E3	R	4.1	ACi,SA,B-200
FS HiSOY	HS 42F10	RXF	R	4.2	ACi,SA,B-200
FS HiSOY	HS 43E20	E3	R	4.3	ACi,SA,B-200
FS HiSOY	HS 44F20	RXF	R	4.4	ACi,SA,B-200
FS HiSOY	HS 45E00	E3	R	4.5	ACi,SA,B-200
Golden Harvest	GH3762E3S §	E3,ST	MR	3.7	CMBV,SA
Golden Harvest	GH3902E3S	E3,ST	R	3.9	CMBV,SA
Golden Harvest	GH4343XF5	RXF,ST	R	4.3	CMBV,SA
Great Heart	GT-3894ES	E3,ST	R	3.8	Gr+
Great Heart	GT-4039E	E3	R	4.0	Gr+
Great Heart	GT-4042XF	RXF	R	4.0	Gr+
NK Brand	NK37-V4E3S	E3,ST	MR	3.7	CMBV,SA
NK Brand	NK44-Q5E3S §	E3,ST	R	4.4	CMBV,SA
NuTech	34N02E GC	E3	R	3.4	Lum,Lu,IL
NuTech	35N03E	E3	R	3.5	Lum,Lu,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NuTech	37N01E	E3	R	3.7	Lum,Lu,IL
NuTech	39N04E	E3	R	3.9	Lum,Lu,IL
NuTech	39N07E	E3	R	3.9	Lum,Lu,IL
NuTech	40N02E	E3	R	4.0	Lum,Lu,IL
NuTech	43N04E	E3	R	4.3	Lum,Lu,IL
NuTech	45N09E	E3	R	4.5	Lum,Lu,IL
NuTech	47N04E §	E3	NA	4.7	Lum,Lu,IL
Pioneer	P37T33E §	E3	MR	3.7	Lum,Lu,IL
Pioneer	P38T76E §	E3	NA	3.8	Lum,Lu,IL
Pioneer	P40A36E GC	E3	NA	4.0	Lum,Lu
Pioneer	P42A84E §	E3	R	4.2	Lum,Lu,IL
ProHarvest	39E34S	E3	R	3.9	PU
Stine	36EB32 GC	E3	R	3.6	SFI
Stine	36EE12 GC	E3	R	3.6	SFI
Stine	38EF32 §	E3	R	3.8	SFI
Stine	39EC22 GC	E3	R	3.9	SFI
Stine	40EB22 §	E3	R	4.0	SFI
Stine	44EE20 §	E3	R	4.4	SFI
Stone	2XF3843	RXF	R	3.8	ACi,IL
Stone	2XF4053-SR	RXF,ST	R	4.0	ACi,IL
Xitavo	XO 3483E	E3,ST	MR	3.4	PV,IL,OB,Rey
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB,Rey
Xitavo	XO 3752E	E3	R	3.7	PV,IL,OB,Rey
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3861E	E3	R	3.8	PV,IL,OB,Rey
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB,Rey
Xitavo	XO 4522E	E3	R	4.5	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 Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybeans Technologies

E3	Enlist™ E3
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA,B-200	Acceleron® Standard Insecticide-Fungicide, Saltro®, B-200 SAT
ASfi,SA	AgriShield Max with Saltro®
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis
F,I,SA	Fungicide, Insecticide, Saltro®
Gr+	Great Start Max Plus (Great Heart Seed)
Lum,Lu	LumiGEN™, Lumisena™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SF1	Stine XP F&I
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.