

Test by: Northland F.I.R.S.T., LLC Moorhead, MN

## 2022 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]  
MILNOR, ND

Steve Hogness, Sargent County, ND

<b>All-Season Test</b>	Maturity Group <b>0.6 - 1.4</b> S2022RRSO02
<b>Top 30 of 72</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Accuron Flexi
<b>SOIL DESCRIPTION:</b>	Gardena-Glyndon silt loam, moderately drained, non- irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 5.9 pH, 5.0% OM, 23.2 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Fierce Ez, Interline, Mad Dog, Intensity, Medal Ec, Endura
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 27 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 9 124.1 /A

### TEST COMMENTS:

*The plot was planted a day after the surrounding field. Persistent wet conditions in the area and no-till made for tough planting conditions on our first attempt a few days prior. Waiting a few extra days of nice weather turned out to be just enough to allow for excellent planting, and adequate soil moisture allowed for quick and even emergence. June through September was much drier than average, but residue from last year's corn crop helped retain moisture. Steve said the field where the plot was located has a history of yielding very well with a high production rating, and Steve's dad said the field yielded very well this fall. Plants at harvest stood very well with an abundance of pods, and bean size was considerable.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	L 1439 XF ↗	RXF	1.4	R	<b>84.3</b>	10.0	0	124.0	1120	1
Dairyland	DSR-0920E ↗	E3	0.9	R	<b>83.7</b>	9.8	0	123.0	1112	2
Thunder	TX8211N ↗	RXF	1.1	R	<b>83.3</b>	9.8	0	120.7	1107	3
Zinesto	Z1101E ↗	E3	1.1	R	82.2	9.4	0	126.7	1092	4
Zinesto	Z1202E ↗	E3	1.2	NA	81.8	9.5	0	124.3	1087	5
Asgrow	AG09XF3 § ↗	RXF	0.9	R	81.8	9.4	0	123.7	1087	6
Thunder	TE7011N ↗	E3	1.1	R	81.5	9.7	0	124.3	1083	7
Dyna-Gro	S09EN53 ↗	E3	0.9	R	81.4	9.8	0	125.0	1082	8
Zinesto	Z0903E ↗	E3	0.9	R	81.4	10.1	0	126.0	1082	9
Latham	L 1392 E3 ↗	E3	1.3	R	81.2	9.7	0	125.3	1079	10
Latham	L 0959 E3 ↗	E3	0.9	R	81.1	9.8	0	121.0	1078	11
Hefty	H14XF3 ↗	RXF	1.4	R	81.1	9.8	0	124.3	1078	12
Stine	10EF23 § ↗	E3	1.0	R	80.8	9.8	0	126.0	1074	13
Xitavo	XO 1133E ↗	E3	1.1	R	80.6	9.8	0	123.0	1071	14
Xitavo	XO 0993E ↗	E3	0.9	R	80.2	9.8	0	119.7	1066	15
Genesis	G1070E ↗	E3	1.0	R	79.8	9.7	0	125.7	1061	16
Dak-Sota	DE5212 ↗	E3	1.2	R	79.8	9.8	0	126.3	1061	17
Hefty	H13XF3 ↗	RXF	1.3	R	79.6	9.5	0	122.3	1058	18
Thunder	TX8313N ↗	RXF	1.3	R	79.6	9.5	0	126.7	1058	19
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	79.5	9.4	0	122.7	1057	20
Xitavo	XO 1212E ↗	E3	1.2	R	79.5	10.0	0	127.0	1057	21
Stine	14EE02 § ↗	E3	1.4	R	79.3	9.5	0	123.0	1054	22
Brevant	B091EE § ↗	E3	0.9	S	79.2	9.5	0	124.0	1053	23
Thunder	TE7309N ↗	E3	0.9	R	79.0	9.8	0	126.3	1050	24
Brevant	B131EE § ↗	E3	1.3	MR	78.7	9.4	0	126.0	1046	25
Dak-Sota	DE5309 ↗	E3	0.9	R	78.6	9.8	0	123.7	1045	26
Loyal	L1050E ↗	E3	1.0	R	78.4	9.6	0	123.3	1042	27
Latham	L 0945 LLGT27 ↗	LLGT27	0.9	R	78.3	9.5	0	121.0	1041	28
Golden Harvest	GH1323XF § ↗	RXF	1.3	R	78.3	9.4	0	124.0	1041	29
NK Brand	S13-E3 ↗	E3	1.3	MR	78.0	9.7	0	122.7	1037	30

Averages = **76.9** **9.6** **124.1** **1021**

LSD (0.10) = 5.4 0.3 ns

LSD (0.25) = 2.8 0.1 ns

Luke Brendemuhl

luke.brendemuhl@firstseedtests.com, (218) 790-4497

C.V. = 6.7 Historic yield: 59.32 bu/a, 2 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$13.29

Report Date: 10/09/2022

† 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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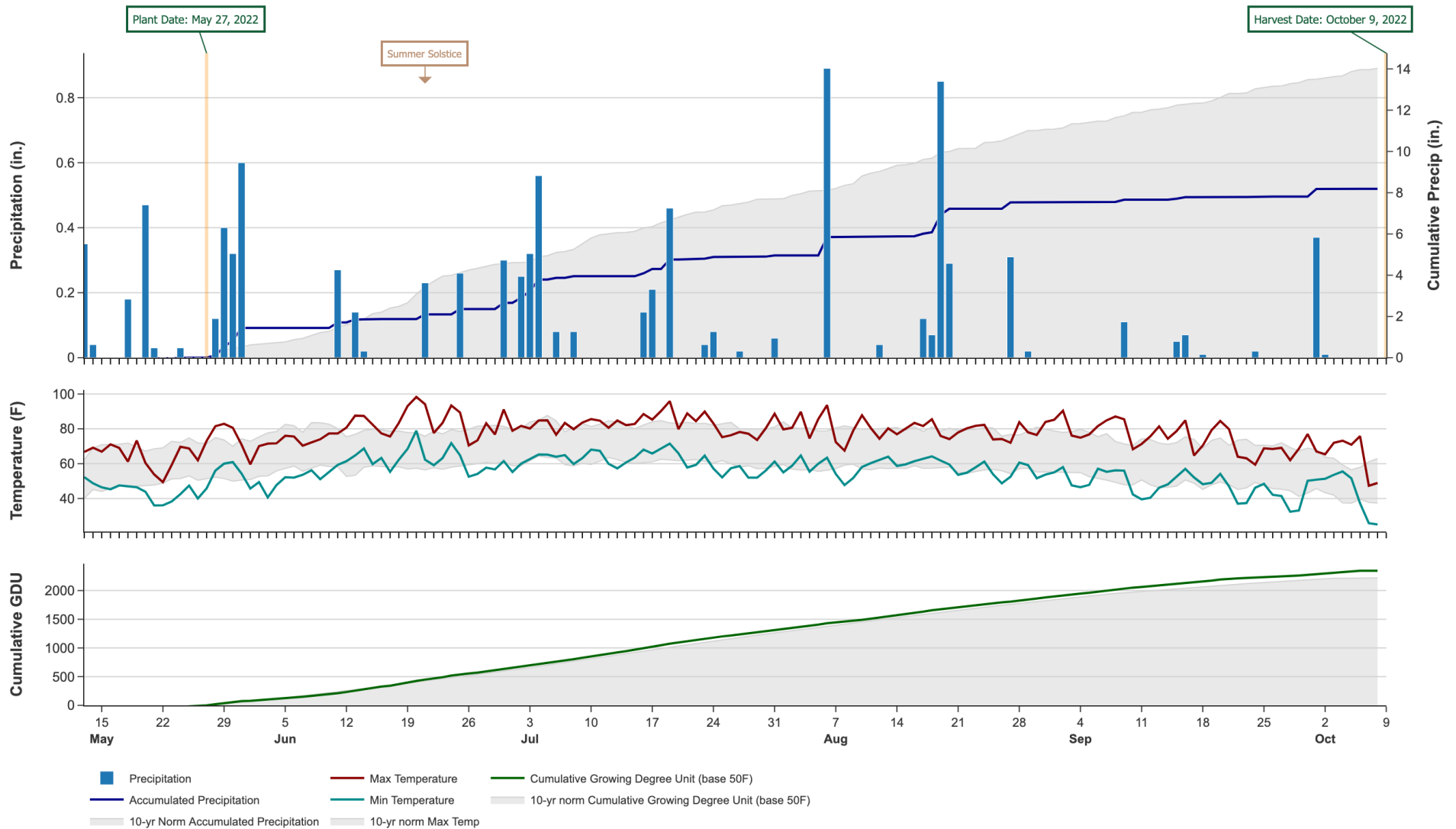
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# 2022 Soybeans - Red River South North Dakota & Minnesota [ RRSO ]

## Weather Conditions Summary at MILNOR, ND

Weather Data Retrieved: 10/09/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	2.5   1.9 (+0.7)	1.2   4.0 (-2.8)	2.3   3.1 (-0.8)	2.6   3.4 (-0.8)	0.3   2.4 (-2.2)	0.4   0.5 (-0.2)	9.3   15.4 (-6.1)
GDU   Normal (Diff)	180   203 (-23)	557   546 (+10)	674   667 (+6)	575   568 (+6)	396   360 (+35)	69   28 (+40)	2451   2376 (+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 (72 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG09XF3 §	RXF	R	0.9	ACi,IL
Asgrow	AG11XF2 §	RXF	R	1.1	ACi,IL
Asgrow	AG13XF3 §	RXF	R	1.3	ACi,IL
Brevant	B061EE §	E3	MR	0.6	Untreated
Brevant	B091EE §	E3	S	0.9	Untreated
Brevant	B131EE §	E3	MR	1.3	Untreated
Dairyland	DSR-0757E	E3	S	0.7	Lum,Lu,IL
Dairyland	DSR-0847E	E3	S	0.8	Lum,Lu,IL
Dairyland	DSR-0920E	E3	R	0.9	Lum,Lu,IL
Dairyland	DSR-1121E	E3	R	1.1	Lum,Lu,IL
Dairyland	DSR-1290E	E3,ST	R	1.2	Lum,Lu,IL
Dairyland	DSR-1450E	E3,ST	R	1.4	Lum,Lu,IL
Dak-Sota	DE5212	E3	R	1.2	TFI
Dak-Sota	DE5309	E3	R	0.9	TFI
Dyna-Gro	S09EN53	E3	R	0.9	EQV,Sa,Va
Dyna-Gro	S09XF62	RXF	R	0.9	EQV,Sa,Va
Dyna-Gro	S12XF92	RXF	R	1.2	EQV,Sa,Va
Genesis	G1070E	E3	R	1.0	EcTC,SA
Genesis	G1260E	E3	R	1.2	EcTC,SA
Golden Harvest	GH0933E3	E3	R	0.9	CMBV,SA
Golden Harvest	GH0983XF §	RXF	R	0.9	CMBV,SA
Golden Harvest	GH1323XF §	RXF	R	1.3	CMBV,SA
Golden Harvest	GH1472E3	E3	R	1.4	CMBV,SA
Hefty	H06XF2	RXF	NA	0.6	DST4
Hefty	H07XF1	RXF	NA	0.7	DST5
Hefty	H07XF3	RXF	R	0.7	DST4
Hefty	H08XF2	RXF	NA	0.8	DST4
Hefty	H09XF3	RXF	R	0.9	DST4
Hefty	H12XF2	RXF	NA	1.2	DST4
Hefty	H13XF3	RXF	R	1.3	DST4
Hefty	H14XF3	RXF	R	1.4	DST4
Latham	L 0694 XF	RXF	R	0.6	SS+,SA
Latham	L 0728 XF	RXF	R	0.7	SS+,SA
Latham	L 0785 E3	E3	R	0.7	SS+,SA
Latham	L 0945 LLGT27	LLGT27	R	0.9	SS+,SA
Latham	L 0959 E3	E3	R	0.9	SS+,SA
Latham	L 1392 E3	E3	R	1.3	SS+,SA
Latham	L 1439 XF	RXF	R	1.4	SS+,SA
Latham	L 1452 LLGT27	LLGT27	R	1.4	SS+,SA
Loyal	L1050E	E3	R	1.0	NLSB
Mustang	XF13323	RXF	R	1.3	Treated
NK Brand	NK06-D9E3	E3	R	0.6	CMBV,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NK Brand	NK08-M1XF	RXF	R	0.8	CMBV,SA
NK Brand	S10-E3 §	E3	R	1.0	CMBV,SA
NK Brand	S13-E3	E3	MR	1.3	CMBV,SA
Paloma	PL2E101 GC	E3	NA	1.0	Treated
Paloma	PL2E141 GC	E3	R	1.4	EcTC,SA
Stine	08EC32 §	E3	R	0.8	SFI
Stine	10EF23 §	E3	R	1.0	SFI
Stine	14EE02 §	E3	R	1.4	SFI
Thunder	TE7011N	E3	R	1.1	TFI
Thunder	TE7309N	E3	R	0.9	TFI
Thunder	TX8211N	RXF	R	1.1	TFI
Thunder	TX8309N	RXF	R	0.9	TFI
Thunder	TX8312N	RXF	R	1.2	TFI
Thunder	TX8313N	RXF	R	1.3	TFI
Xitavo	XO 0602E	E3	R	0.6	PV,IL,OB,Rey
Xitavo	XO 0731E	E3	R	0.7	PV,IL,OB,Rey
Xitavo	XO 0993E	E3	R	0.9	PV,IL,OB,Rey
Xitavo	XO 1041E	E3	R	1.0	PV,IL,OB,Rey
Xitavo	XO 1133E	E3	R	1.1	PV,IL,OB,Rey
Xitavo	XO 1212E	E3	R	1.2	PV,IL,OB,Rey
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Xitavo	XO 1451E	E3	R	1.4	PV,IL,OB,Rey
Zinesto	Z0601E	E3	R	0.6	DST4
Zinesto	Z0602E	E3	NA	0.6	DST5
Zinesto	Z0702E	E3	NA	0.7	DST5
Zinesto	Z0903E	E3	R	0.9	DST4
Zinesto	Z1003E	E3	R	1.0	DST4
Zinesto	Z1101E	E3	R	1.1	DST4
Zinesto	Z1202E	E3	NA	1.2	DST4
Zinesto	Z1411E	E3	R	1.4	DST4

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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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

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

### Soybeans Technologies

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E3	Enlist™ E3
LLGT27	LibertyLink® GT27®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermass® Beans, Vibrance®, Salto®
DST4	Dominance 4 ST
DST5	Dominance 5 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salto®
EQV,Sa,Va	Equity VIP, Salto®, Vayantis
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
NLSB	NexLevel SB Elite and Marathon Extreme (Agri Partners)
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salto®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Treated	Treated, unspecified
Untreated	No seed treatment

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\* Seed treatments may include unspecified plant health promoting components.