

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

## 2022 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]  
KINDRED, ND  
Todd Toppen, Cass County, ND

<b>All-Season Test</b>	Maturity Group <b>0.6 - 1.4</b> S2022RRSO01
<b>Top 30 of 72</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Enlist Duo
<b>SOIL DESCRIPTION:</b>	Fargo silty clay, poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	high P, very high K, 7.3 pH, 4.9% OM, 37.2 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Fierce Ez, Interline, Mad Dog, Medal Ec
<b>FERTILITY - Applied N:</b>	130 Fall
<b>Applied N-P-K (units):</b>	130-60-51
<b>SEEDED - RATE - ROW:</b>	May 27 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 5 122.2 /A

### TEST COMMENTS:

*This was one of our best-looking plots all summer, being the first to canopy. While most plots needed to be sprayed twice through the growing season, this location required one application due to adequate rains shortly after planting that activated pre-emerge herbicide. This area had dry spells that adequate rain events would follow to help keep the crop growing right when it was needed. At harvest, plants stood well with varying degrees of top pod fill among varieties due to dry growing conditions. Todd said they were pleased to see many fields with yields running in the 50 bushels per acre range.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	<b>64.1</b>	10.3	0	122.3	846	1
Latham	L 1439 XF ↗	RXF	1.4	R	<b>63.6</b>	10.6	0	120.3	840	2
Xitavo	XO 1372E ↗	E3,ST	1.3	R	<b>62.3</b>	10.2	0	122.3	822	3
Latham	L 0945 LLGT27 ↗	LLGT27	0.9	R	<b>62.1</b>	10.4	0	122.0	820	4
Dairyland	DSR-0920E ↗	E3	0.9	R	<b>61.1</b>	10.4	0	119.7	807	5
Hefty	H14XF3 ↗	RXF	1.4	R	<b>61.0</b>	10.3	0	124.7	805	6
Hefty	H13XF3 ↗	RXF	1.3	R	<b>61.0</b>	10.4	0	122.0	805	7
Latham	L 0959 E3 ↗	E3	0.9	R	<b>60.9</b>	10.8	0	119.0	804	8
Thunder	TE7309N ↗	E3	0.9	R	<b>60.8</b>	10.6	0	126.7	803	9
Thunder	TX8313N ↗	RXF	1.3	R	60.4	10.5	0	120.0	797	10
Mustang	XF13323 ↗	RXF	1.3	R	60.3	10.5	0	121.7	796	11
Dairyland	DSR-1290E ↗	E3,ST	1.2	R	60.3	10.1	0	123.3	796	12
Brevant	B131EE § ↗	E3	1.3	MR	60.2	10.2	0	121.7	795	13
Thunder	TX8309N ↗	RXF	0.9	R	60.1	10.4	0	124.0	793	14
Paloma	PL2E101 GC ↗	E3	1.0	NA	60.1	10.4	0	123.7	793	15
Asgrow	AG09XF3 § ↗	RXF	0.9	R	60.1	10.0	0	119.7	793	16
Golden Harvest	GH0933E3 ↗	E3	0.9	R	60.0	10.5	0	121.0	792	17
Asgrow	AG13XF3 § ↗	RXF	1.3	R	60.0	10.2	0	120.3	792	18
Zinesto	Z1003E ↗	E3	1.0	R	60.0	10.5	0	124.0	792	19
Stine	10EF23 § ↗	E3	1.0	R	59.9	10.8	0	122.3	791	20
Dyna-Gro	S09EN53 ↗	E3	0.9	R	59.8	10.4	0	122.0	789	21
NK Brand	S10-E3 § ↗	E3	1.0	R	59.7	10.2	0	123.3	788	22
NK Brand	S13-E3 ↗	E3	1.3	MR	59.7	10.4	0	121.7	788	23
Paloma	PL2E141 GC ↗	E3	1.4	R	59.7	10.8	0	120.7	788	24
Asgrow	AG11XF2 § ↗	RXF	1.1	R	59.6	10.2	0	123.3	787	25
Genesis	G1070E ↗	E3	1.0	R	59.5	10.3	0	121.7	785	26
Zinesto	Z1101E ↗	E3	1.1	R	59.4	10.0	0	125.0	784	27
Xitavo	XO 1133E ↗	E3	1.1	R	59.3	10.5	0	123.3	783	28
Dak-Sota	DE5309 ↗	E3	0.9	R	59.2	10.7	0	120.7	781	29
Xitavo	XO 0993E ↗	E3	0.9	R	59.0	10.4	0	120.7	779	30

Averages = **57.4** **10.3** **122.2** **758**

LSD (0.10) = 3.1 0.3 ns

LSD (0.25) = 1.6 0.2 ns

C.V. = 5.1

Historic yield: 58.86 bu/a, 1 yr(s)

Luke Brendemuhl

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

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$13.20

Report Date: 10/05/2022

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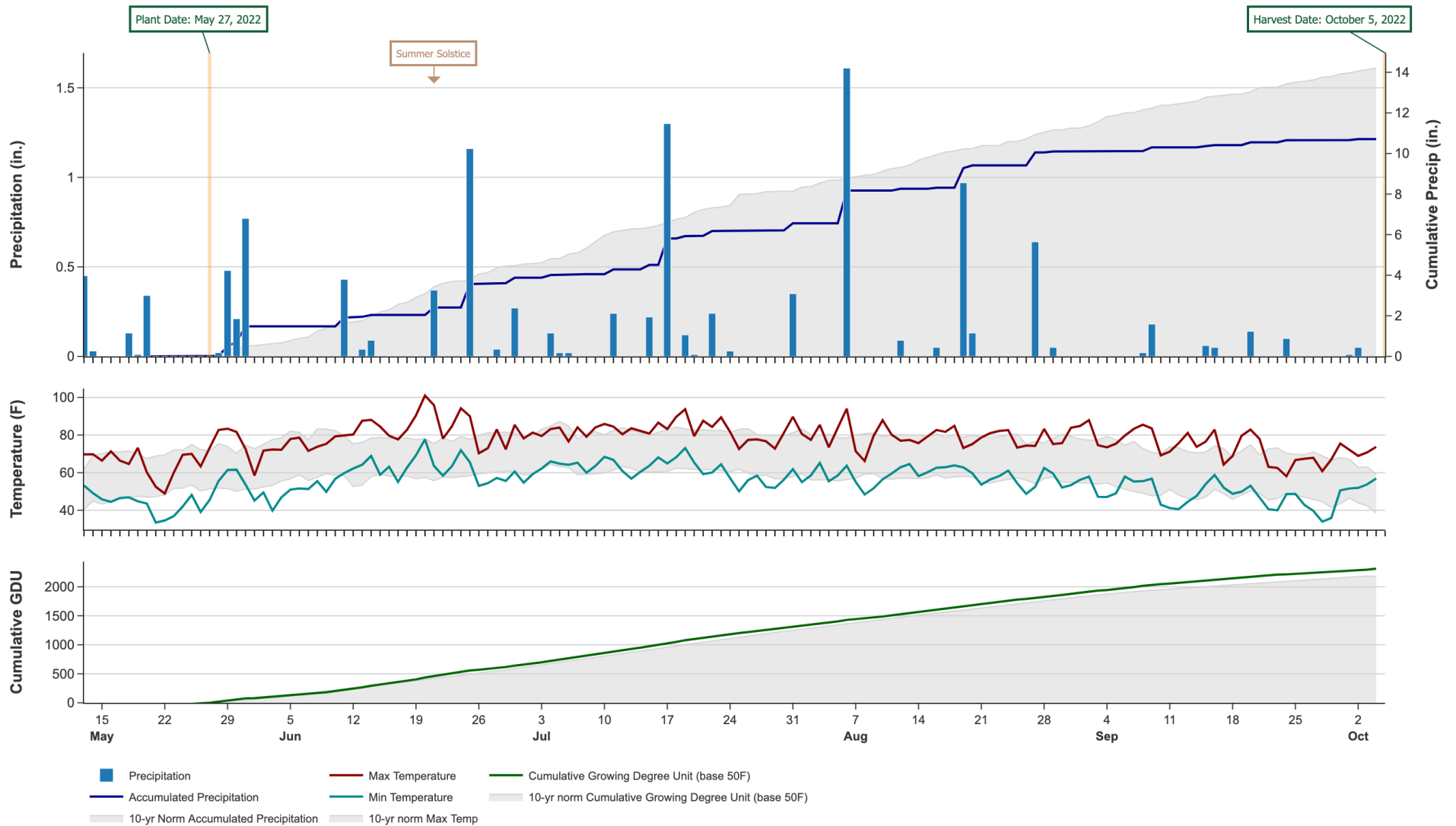
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# 2022 Soybeans - Red River South North Dakota & Minnesota [ RRSO ]

## Weather Conditions Summary at KINDRED, ND

Weather Data Retrieved: 10/05/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	2.4   2.0 (+0.4)	2.4   4.0 (-1.6)	2.7   3.7 (-1.0)	3.5   3.1 (+0.4)	0.6   2.7 (-2.1)	0.1   0.3 (-0.2)	11.7   15.7 (-4.0)
GDU   Normal (Diff)	187   205 (-18)	563   541 (+21)	667   658 (+8)	571   560 (+10)	383   349 (+33)	50   21 (+28)	2421   2338 (+82)



\* 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.