

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

## 2022 Soybeans Top 30 Harvest Report

Red River North North Dakota & Minnesota [RRNO]  
GREENBUSH, MN  
Garner Eeg, Roseau County, MN

<b>All-Season Test</b>	Maturity Group <b>00.7 - 0.4</b> S2022RRNO02
<b>Top 30 of 54</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Wheat / NA
<b>SOIL DESCRIPTION:</b>	Percy loam, poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, low K, 7.9 pH, 3.9% OM, 25.0 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/O Fall Till
<b>PEST MANAGEMENT:</b>	Fierce Ez, Interline, Medal Ec
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 5 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 11 124.5 /A

### TEST COMMENTS:

Rains helped activate the pre-emerge shortly after planting, and it did an outstanding job keeping weeds at bay. Weeds were a non-issue at this location due to how well pre and post-herbicides controlled the grass/broadleaf weeds. No pest or disease issues were noticed. Although this site was below average for precipitation, Garner stated that they had small but timely (.4 -.5") rains in the first half of the growing season that helped keep the crop moving forward and better showers in the last half of the growing season. The plot average yield matched the surrounding field and similar yields in the area at around 40 bu/ac.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK03-V5E3 § ↗	E3	0.3	R	<b>48.3</b>	10.6	0	122.7	627	1
Hefty	H009XF3 ↗	RXF	00.9	R	<b>46.8</b>	10.0	0	124.3	607	2
REA	R0422XF ↗	RXF	0.4	R	<b>46.0</b>	10.6	0	127.3	597	3
Asgrow	AG01XF3 § ↗	RXF	0.1	R	<b>45.7</b>	10.7	0	126.0	593	4
Thunder	TE7304N ↗	E3	0.4	R	<b>44.9</b>	10.0	0	124.0	583	5
Pioneer	P04A98E § ↗	E3	0.4	NA	<b>44.8</b>	11.1	0	124.7	582	6
Golden Harvest	GH0363E3 ↗	E3	0.3	R	<b>44.5</b>	10.4	0	122.0	578	7
Dairyland	DSR-0220E ↗	E3	0.2	R	<b>44.4</b>	10.1	0	124.7	576	8
Latham	L 0293 E3 ↗	E3	0.2	R	<b>44.3</b>	10.2	0	124.7	575	9
Thunder	TE7101N ↗	E3	0.1	R	<b>44.3</b>	10.2	0	127.7	575	10
Thunder	TX8304N ↗	RXF	0.4	R	42.9	10.1	0	124.0	557	11
Stine	04EE06 § ↗	E3	0.4	R	42.8	10.0	0	122.3	556	12
Golden Harvest	GH0213E3 § ↗	E3	0.2	R	42.7	10.7	0	127.3	554	13
Proseed	XF30-42N ↗	RXF	0.4	R	42.6	10.0	0	125.0	553	14
Latham	L 0254 XF ↗	RXF	0.2	S	42.4	9.7	0	127.3	550	15
NK Brand	NK009-G7E3 ↗	E3	00.9	R	42.2	10.0	0	123.7	548	16
REA	R0112XF ↗	RXF	0.1	S	42.1	9.8	0	124.3	546	17
Stine	03EB02 § ↗	E3	0.3	R	42.0	9.9	0	124.7	545	18
Proseed	EL30-03N ↗	E3	0.1	R	41.8	10.1	0	128.7	543	19
Dak-Sota	DE5301 ↗	E3	0.1	S	41.7	9.7	0	123.0	541	20
NK Brand	NK02-T4E3 ↗	E3	0.2	R	41.7	10.5	0	126.0	540	21
Thunder	TX8203 ↗	RXF	0.3	S	41.2	9.6	0	123.7	535	22
Proseed	EL30-13 ↗	E3	0.1	S	41.2	9.8	0	128.0	535	23
Golden Harvest	GH00973E3 ↗	E3	00.9	R	41.1	9.9	0	123.3	533	24
Proseed	XF30-12 ↗	RXF	0.1	S	41.1	10.1	0	122.7	533	25
Hefty	H03XF3 ↗	RXF	0.3	R	40.9	10.4	0	126.7	531	26
Dairyland	DSR-0645E ↗	E3	0.4	R	40.7	10.6	0	122.0	528	27
Asgrow	AG007XF3 § ↗	RXF	00.7	S	40.6	9.9	0	126.3	527	28
Latham	L 00725 XF ↗	RXF	00.7	S	40.6	9.9	0	122.3	527	29
Golden Harvest	GH0272XF § ↗	RXF	0.2	MR	40.6	9.8	0	124.0	527	30

Averages = **40.8** **10.0** **0** **124.5** **528**

LSD (0.10) = 3.0 0.3 ns

LSD (0.25) = 1.6 0.2 ns

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C.V. = 6.9

Historic yield: new site

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$12.98

Report Date: 10/12/2022

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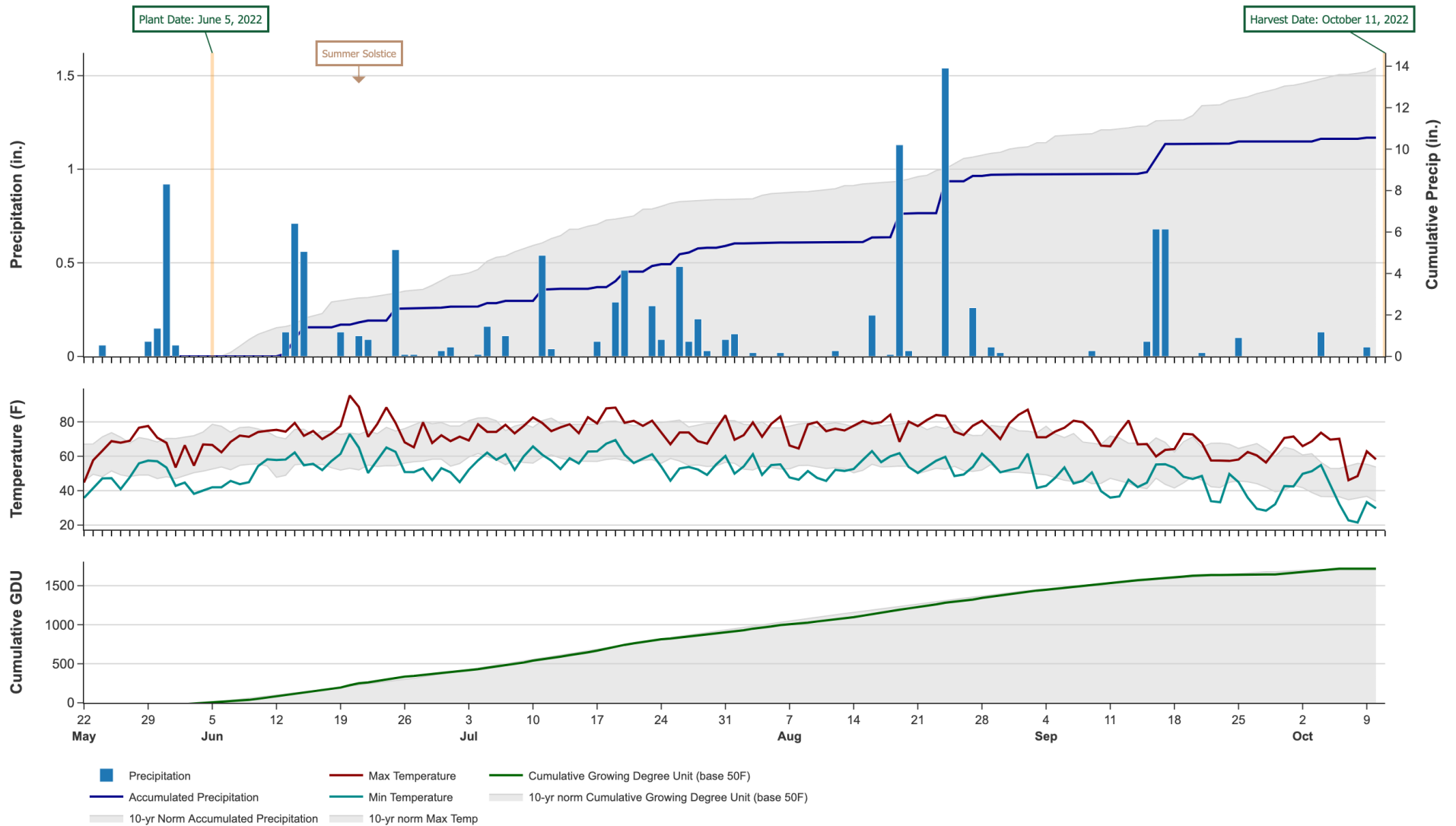
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# 2022 Soybeans - Red River North North Dakota & Minnesota [ RRNO ]

## Weather Conditions Summary at GREENBUSH, MN

Weather Data Retrieved: 10/12/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.2   1.3 (-0.1)	2.4   4.1 (-1.7)	3.0   3.9 (-0.9)	3.5   2.4 (+1.0)	1.6   3.0 (-1.4)	0.2   0.9 (-0.7)	11.8   15.7 (-3.8)
GDU   Normal (Diff)	93   99 (-6)	406   431 (-25)	525   565 (-40)	479   474 (+4)	270   275 (-5)	63   18 (+44)	1836   1864 (-28)



\* 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 (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG007XF3 §	RXF	S	00.7	ACi
Asgrow	AG01XF3 §	RXF	R	0.1	ACi,IL
Asgrow	AG04XF2 §	RXF	R	0.4	ACi
Brevant	B0090EE §	E3	R	00.9	Untreated
Channel	0122RXF	RXF	S	0.1	ACi,IL
Channel	0423RXF	RXF	R	0.4	ACi,IL
Dairyland	DSR-0220E	E3	R	0.2	Lum,Lu,IL
Dairyland	DSR-0645E	E3	R	0.4	Lum,Lu,IL
Dak-Sota	DE5301	E3	S	0.1	TFI
Dak-Sota	DE5303	E3	S	0.3	TFI
Dyna-Gro	S01XF43	RXF	S	0.1	EQV,Sa,Va
Dyna-Gro	S02EN71	E3	R	0.2	EQV,Sa,Va
Golden Harvest	GH00973E3	E3	R	00.9	CMBV,SA
Golden Harvest	GH0213E3 §	E3	R	0.2	CMBV,SA
Golden Harvest	GH0272XF §	RXF	MR	0.2	CMBV,SA
Golden Harvest	GH0363E3	E3	R	0.3	CMBV,SA
Hefty	H008E1	E3	R	00.8	Untreated
Hefty	H008XF2	RXF	NA	00.8	Untreated
Hefty	H009XF2	RXF	NA	00.9	Untreated
Hefty	H009XF3	RXF	R	00.9	Untreated
Hefty	H01XF3	RXF	R	0.1	DST4
Hefty	H03XF3	RXF	R	0.3	DST4
Latham	L 00725 XF	RXF	S	00.7	SS+,SA
Latham	L 00839 E3	E3	R	00.8	SS+,SA
Latham	L 0136 E3	E3	S	0.1	SS+,SA
Latham	L 0254 XF	RXF	S	0.2	SS+,SA
Latham	L 0293 E3	E3	R	0.2	SS+,SA
Latham	L 0425 E3	E3	S	0.4	SS+,SA
NK Brand	NK009-G7E3	E3	R	00.9	CMBV,SA
NK Brand	NK02-T4E3	E3	R	0.2	CMBV,SA
NK Brand	NK03-V5E3 §	E3	R	0.3	CMBV,SA
NK Brand	NK04-G8E3	E3	R	0.4	CMBV,SA
Pioneer	P005A59E §	E3	NA	00.5	Lum,Lu,IL
Pioneer	P009T18E GC	E3	NA	00.9	Lum,Lu,IL
Pioneer	P04A98E §	E3	NA	0.4	Lum,Lu,IL
Proseed	EL30-03N	E3	R	0.1	CMBV
Proseed	EL30-13	E3	S	0.1	CMBV
Proseed	EL30-33	E3	S	0.3	CMBV
Proseed	XF30-082	RXF	S	00.8	CMBV
Proseed	XF30-12	RXF	S	0.1	CMBV
Proseed	XF30-42N	RXF	R	0.4	CMBV
REA	R0112XF	RXF	S	0.1	ACi

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
REA	R0422XF	RXF	R	0.4	ACi,IL
Stine	01EA63 §	E3	S	0.1	SFI
Stine	03EB02 §	E3	R	0.3	SFI
Stine	04EE06 §	E3	R	0.4	SFI
Thunder	TE7101N	E3	R	0.1	TFI
Thunder	TE7302N	E3	R	0.2	TFI
Thunder	TE7304N	E3	R	0.4	TFI
Thunder	TX8203	RXF	S	0.3	TFI
Thunder	TX8301	RXF	S	0.1	TFI
Thunder	TX8304N	RXF	R	0.4	TFI
Xitavo	XO 0101E	E3	MR	0.1	PV,IL,OB,Rey
Xitavo	XO 0213E	E3	S	0.2	PV,IL,OB,Rey

## 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
RXF	Roundup Ready 2 XtendFlex®

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
DST4	Dominance 4 ST
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Saltro®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Untreated	No seed treatment

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