

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

## 2021 Soybeans Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE] HOPE, ND  
Satrom Hiam Seed, Thomas Hiam, Steele County, ND

**All-Season Test** Maturity Group **0.2 - 0.9**  
S2021RRCE02

**Top 30 of 71** For Gross Income (Sorted by Yield)  
Average of (2) Replications

**PREV. CROP/HERB:** Wheat / Axial Bold, Topaz, Weld

**SOIL DESCRIPTION:** Hamerly-Wyard loam, moderately drained, non-irrigated

**SOIL CONDITION:** medium P, high K, 6.1 pH, 3.3% OM, 19.8 CEC

**TILLAGE/CULTIVATION:** Conventional W/ Fall Till

**PEST MANAGEMENT:** Fierce Ez, Mad Dog, Medal Ec, Gunsmoke

**Applied N-P-K (units):** 0-0-0

**SEEDED - RATE - ROW:** May 13 140.0 /A 30" spacing

**HARVESTED - STAND:** Oct 21 123.1 /A

### TEST COMMENTS:

The plot was planted into a dry seed bed, with a few half inch rains coming a week later to kick off germination. There was a possible frost in this area; on May 28th the nighttime low dipped down to around 31 degrees for a few hours, but there was no significant effect on stand from this event. Mid-summer was hot and dry, causing stress throughout the area, especially on non-irrigated fields. Green stems were noticed on many of the varieties at harvest, with many products displaying varying degrees of pod fill depending on how they tolerated the drought conditions. One replicate was removed due to higher yield variance there.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z0801E ↗	E3	0.8	R	<b>54.2</b>	13.1	0	120.5	652	1
Genesis	G0651E ↗	E3	0.6	R	<b>53.1</b>	12.8	0	120.5	640	2
Brevant	B091EE § ↗	E3	0.9	S	<b>52.5</b>	13.1	0	123.0	633	3
Hefty	H08XF2 ↗	RXF	0.8	NA	<b>51.4</b>	12.7	0	123.0	619	4
Hefty	H04X8 ↗	RRX	0.4	MR	<b>51.1</b>	12.8	0	120.5	616	5
Thunder	SB8903N ↗	RRX	0.3	R	<b>50.7</b>	12.8	0	124.5	611	6
Credenz	CZ 0661GTLL ↗	LLGT27	0.6	R	<b>50.7</b>	13.3	0	125.0	611	7
Latham	L 0785 E3 ↗	E3	0.7	R	50.0	13.0	0	126.0	602	8
Golden Harvest	GH0822XF ↗	RXF	0.8	R	50.0	13.1	0	119.5	602	9
Mustang	03X329 GC ↗	RRX	0.3	R	49.8	12.7	0	126.5	600	10
Dairyland	DSR-0847E ↗	E3	0.8	S	49.7	12.9	0	123.0	599	11
Genesis	G0750E ↗	E3	0.7	R	49.4	12.9	0	124.5	595	12
Innotech	IS0864E3 ↗	E3	0.8	R	49.1	13.2	0	121.0	590	13
Dyna-Gro	S07EN61 ↗	E3	0.7	R	48.4	13.3	0	122.5	583	14
Stine	08GC02 GC ↗	LLGT27	0.8	R	48.0	13.0	0	121.5	578	15
Latham	L 0739 R2X ↗	RRX	0.7	R	47.6	12.9	0	124.5	574	16
Asgrow	AG09XF0 § ↗	RXF	0.9	R	47.5	12.8	0	126.0	572	17
Mustang	06X628 GC ↗	RRX	0.6	R	47.0	13.0	0	119.5	566	18
Hefty	H06X8 ↗	RRX	0.6	MR	46.9	12.8	0	119.0	565	19
NK Brand	NK08-B7XF ↗	RXF	0.8	R	46.5	13.0	0	122.5	560	20
Latham	L 0995 E3 ↗	E3	0.9	R	46.4	12.8	0	124.5	559	21
Latham	L 0984 XF ↗	RXF	0.9	R	46.4	13.1	0	122.5	559	22
Xitavo	XO 0731E ↗	E3	0.7	R	46.1	13.0	0	122.5	554	23
Apex	AE0720 ↗	E3	0.7	R	46.0	12.7	0	119.0	554	24
Golden Harvest	GH0502XF ↗	RXF	0.5	MR	45.4	12.9	0	122.5	547	25
Dyna-Gro	S05EN82 ↗	E3	0.5	R	45.3	13.0	0	120.0	546	26
Dairyland	DSR-1010E ↗	E3	1.0	R	45.3	13.3	0	121.0	544	27
NK Brand	NK05-W3XF ↗	RXF	0.5	R	45.1	13.1	0	126.0	542	28
Hefty	H09X1 ↗	RRX	0.9	R	44.6	13.2	0	126.0	536	29
Genesis	G0760E ↗	E3	0.7	R	44.1	12.4	0	126.0	531	30

Averages = **42.8** **12.7** **123.1** **515**

LSD (0.10) = 7.7 0.3 ns

LSD (0.25) = 4.0 0.2 ns

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C.V. = 14.0

Historic yield: 42.92 bu/a, 2 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$12.05

Report Date: 10/22/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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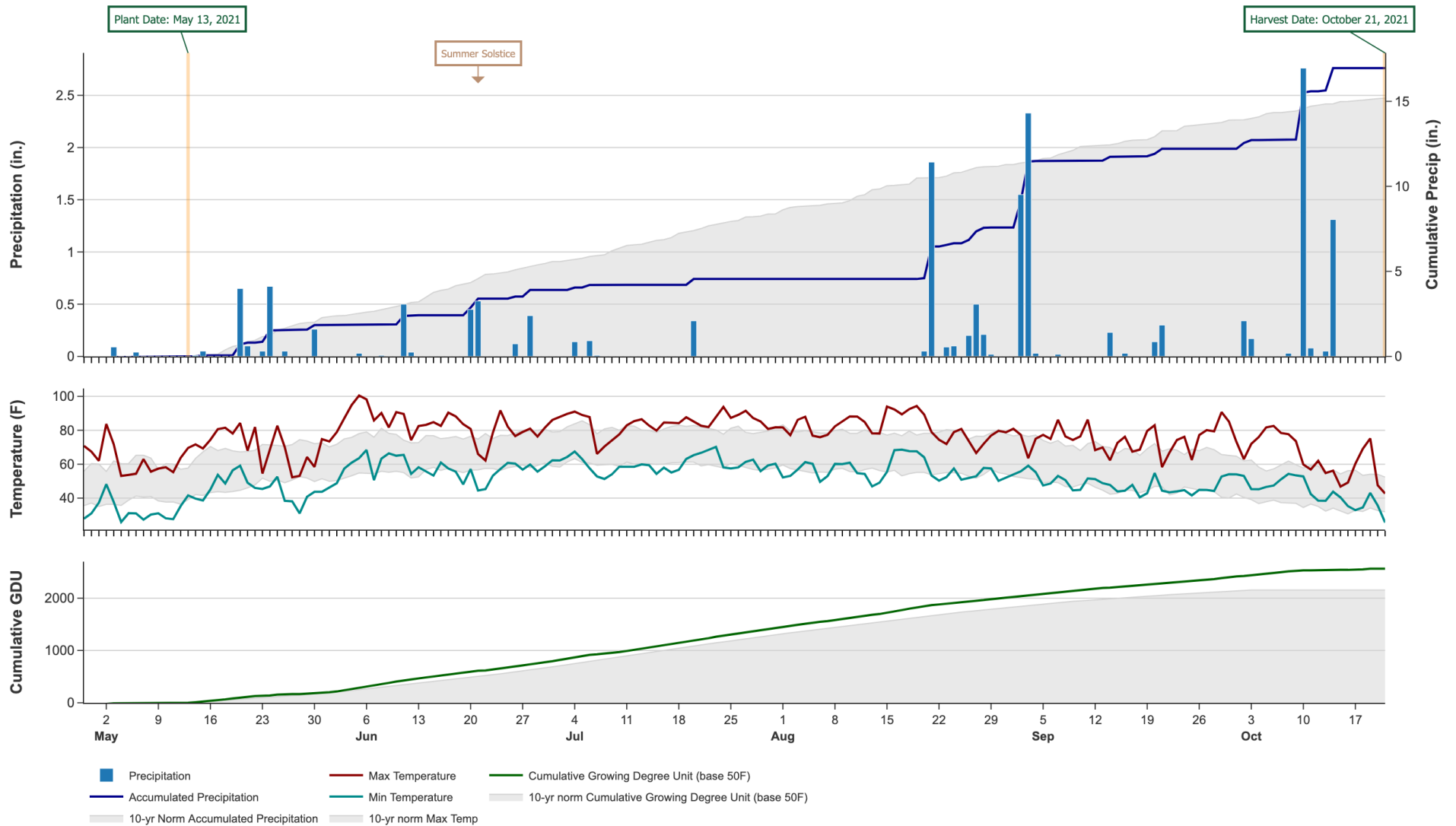
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# 2021 Soybeans - Red River Central North Dakota & Minnesota [ RRCE ]

## Weather Conditions Summary at HOPE, ND

Weather Data Retrieved: 10/23/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	0.0   0.3 (-0.3)	2.0   3.1 (-1.1)	2.1   3.2 (-1.1)	0.6   2.9 (-2.3)	3.0   2.9 (+0.1)	4.6   2.6 (+2.0)	4.7   1.3 (+3.4)	17.1   16.3 (+0.8)
GDU   Normal (Diff)	0   0 (0)	228   205 (+22)	581   484 (+96)	667   629 (+37)	573   529 (+43)	392   309 (+82)	160   19 (+140)	2601   2177 (+423)



\* 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 (71 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgriGold	G0801E3 §	E3	NA	0.8	ASfi,SA
Apex	AE0611	E3	R	0.6	CMBV,SA
Apex	AE0720	E3	R	0.7	CMBV,SA
Asgrow	AG02X2 §	RRX	R	0.2	ACi
Asgrow	AG03X7 §	RRX	R	0.3	ACi,IL
Asgrow	AG09XF0 §	RXF	R	0.9	ACi,IL
Brevant	B061EE §	E3	MR	0.6	Untreated
Brevant	B091EE §	E3	S	0.9	Untreated
Channel	0622RXF §	RXF	NA	0.6	PV,IL
Credenz	CZ 0419GTLL	LLGT27	MR	0.4	PV,IL,OB
Credenz	CZ 0661GTLL	LLGT27	R	0.6	PV,IL,OB
Dairyland	DSR-0645E	E3	R	0.4	Lum,IL
Dairyland	DSR-0660E	E3	R	0.6	Lum,IL
Dairyland	DSR-0847E	E3	S	0.8	Lum,IL
Dairyland	DSR-1010E	E3	R	1.0	Lum,IL
Dyna-Gro	S05EN82	E3	R	0.5	EQV,SA
Dyna-Gro	S07EN61	E3	R	0.7	EQV,SA
Genesis	G0651E	E3	R	0.6	CMBV,SA
Genesis	G0750E	E3	R	0.7	CMBV,SA
Genesis	G0760E	E3	R	0.7	CMBV,SA
Golden Harvest	GH0272XF §	RXF	MR	0.2	CMBV,SA
Golden Harvest	GH0325E3	E3	MR	0.3	CMBV,SA
Golden Harvest	GH0443X	RRX	MR	0.4	CMBV,SA
Golden Harvest	GH0502XF	RXF	MR	0.5	CMBV,SA
Golden Harvest	GH0593E3 GC	E3	MR	0.5	CMBV,SA
Golden Harvest	GH0822XF	RXF	R	0.8	CMBV,SA
Golden Harvest	GH0842E3 §	E3	R	0.8	CMBV,SA
Hefty	H02E1	E3	R	0.2	DST4,SA
Hefty	H04X8	RRX	MR	0.4	DST4,SA
Hefty	H06X8	RRX	MR	0.6	DST4,SA
Hefty	H06XF2	RXF	NA	0.6	DST4,SA
Hefty	H07XF1	RXF	NA	0.7	DST4,SA
Hefty	H08XF2	RXF	NA	0.8	DST4,SA
Hefty	H09X1	RRX	R	0.9	DST4,SA
Innotech	IS0343E3	E3	MR	0.3	Fortify
Innotech	IS0678E3	E3	MR	0.6	Fortify
Innotech	IS0864E3	E3	R	0.8	Fortify
Latham	L 0293 E3	E3	R	0.2	SS+
Latham	L 0425 E3	E3	S	0.4	SS+
Latham	L 0438 R2X	RRX	R	0.4	SS+
Latham	L 0728 XF	RXF	R	0.7	SS+,SA
Latham	L 0739 R2X	RRX	R	0.7	SS+,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Latham	L 0785 E3	E3	R	0.7	SS+,SA
Latham	L 0984 XF	RXF	R	0.9	SS+,SA
Latham	L 0995 E3	E3	R	0.9	SS+,SA
Loyal	L0640E	E3	R	0.6	CMBV,SA
Loyal	L0740E	E3	R	0.7	CMBV,SA
Mustang	03X329 GC	RRX	R	0.3	Treated
Mustang	06X628 GC	RRX	R	0.6	Treated
NK Brand	NK02-M4XF	RXF	MR	0.2	CMBV,SA
NK Brand	NK04-G8E3 §	E3	R	0.4	CMBV,SA
NK Brand	NK05-W3XF	RXF	R	0.5	CMBV,SA
NK Brand	NK08-B7XF	RXF	R	0.8	CMBV,SA
Stine	03EB02 §	E3	R	0.3	SFI
Stine	06EC23 §	E3	R	0.6	SFI
Stine	08EC02 §	E3	R	0.8	SFI
Stine	08GC02 GC	LLGT27	R	0.8	NA
Thunder	SB8104N	RRX	R	0.4	AM
Thunder	SB8807N	RRX	R	0.7	AM
Thunder	SB8903N	RRX	R	0.3	AM
Thunder	TE7207	E3	S	0.7	AM
Thunder	TX8109N	RXF	R	0.9	AM
Thunder	TX8205N	RXF	R	0.5	AM
Thunder	TX8206N	RXF	R	0.6	AM
Thunder	TX8207N	RXF	R	0.7	AM
Xitavo	XO 0311E	E3	MR	0.3	PV,IL,OB
Xitavo	XO 0521E	E3	R	0.5	PV,IL,OB
Xitavo	XO 0731E	E3	R	0.7	PV,IL,OB
Zinesto	Z0602E	E3	NA	0.6	DST4,SA
Zinesto	Z0702E	E3	NA	0.7	DST4,SA
Zinesto	Z0801E	E3	R	0.8	DST4,SA

## 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®
RRX	Roundup Ready 2 Xtend®
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
AM	ApronMaxx
ASfi,SA	AgriShield Max with Saltro®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
EQV,SA	Equity VIP, Saltro®
Fortify	Insecticide-Fungicide (Rob-See-Co)
Lum,IL	LumiGEN™ plus ILeVO
PV,IL	Poncho®/Votivo®, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+	SoyShield Plus
SS+,SA	SoyShield Plus, Saltro®
Treated	Treated, unspecified
Untreated	No seed treatment

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