

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

2021 Soybeans Top 30 Harvest Report

Red River North North Dakota & Minnesota [RRNO]
HALLOCK, MN
Jackson Klein, Kittson County, MN 56728

All-Season Test 00.7 - 0.4 Day CRM
S2021RRNO03

Top 30 of 53 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Wheat / Widematch

SOIL DESCRIPTION: Northcote clay, poorly drained,
non-irrigated

SOIL CONDITION: high P, very high K, 7.6 pH,
5.9% OM, 43.1 CEC

TILLAGE/CULTIVATION: Conventional W/ Fall Till

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

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

SEDED - RATE - ROW: May 12 140.0 /A 30" spacing

HARVESTED - STAND: Sep 27 132.5 /A

TEST COMMENTS:

The growing season was exceptionally dry in this area, with the driest spell lasting from mid-June until late August. The plants at harvest were short in stature with pods low to the ground. Top pods had varying degrees of fill depending on the variety.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Thunder	SB8903N ↗	RRX	0.3	R	42.8	10.3	0	131.3	544	1
Innotech	IS0343E3 ↗	E3	0.3	MR	40.7	8.7	0	132.0	518	2
Hefty	H04X8 ↗	RRX	0.4	MR	40.6	9.2	0	133.3	516	3
Stine	03EB02 § ↗	E3	0.3	R	40.3	8.4	0	131.7	513	4
Proseed	XT80-20N ↗	RRX	0.2	R	39.8	8.8	0	132.3	506	5
Thunder	SB8104N ↗	RRX	0.4	R	39.7	9.6	0	133.3	505	6
Latham	L 0282 R2X ↗	RRX	0.2	R	38.5	8.7	0	131.7	490	7
Proseed	EL90-33N ↗	E3	0.3	R	38.5	8.3	0	133.7	490	8
Credenz	CZ 0419GTLL ↗	LLGT27	0.4	MR	38.4	9.5	0	133.7	488	9
Golden Harvest	GH0443X ↗	RRX	0.4	MR	38.2	8.8	0	131.3	486	10
Xitavo	XO 0311E ↗	E3	0.3	MR	37.6	8.3	0	132.3	478	11
Latham	L 0124 R2X ↗	RRX	0.1	S	37.5	8.2	0	133.3	477	12
Hefty	H01X0 ↗	RRX	0.1	S	37.3	8.6	0	133.3	474	13
Latham	L 0254 XF ↗	RXF	0.2	S	37.1	8.2	0	131.7	472	14
Golden Harvest	GH0145X ↗	RRX	0.1	S	36.8	8.4	0	132.7	468	15
Dairyland	DSR-0645E ↗	E3	0.4	R	36.6	8.9	0	133.3	466	16
Thunder	TX8203 ↗	RXF	0.3	S	36.5	8.5	0	133.7	464	17
Innotech	IS0156E3 ↗	E3	0.1	S	36.5	9.0	0	132.0	464	18
Asgrow	AG02X2 § ↗	RRX	0.2	R	36.0	8.6	0	132.0	458	19
Loyal	L0140E ↗	E3	0.1	S	36.0	8.3	0	133.3	458	20
Latham	L 0293 E3 ↗	E3	0.2	R	36.0	8.4	0	132.0	458	21
Golden Harvest	GH0294E3 GC ↗	E3	0.2	S	35.5	8.1	0	131.3	452	22
Dyna-Gro	S009XT68 ↗	RRX	00.9	S	35.3	8.1	0	133.7	449	23
Golden Harvest	GH0325E3 GC ↗	E3	0.3	MR	34.8	8.4	0	133.0	443	24
Dyna-Gro	S04XT91 ↗	RRX	0.4	MR	34.1	8.9	0	133.3	434	25
Latham	L 0438 R2X ↗	RRX	0.4	R	34.0	9.0	0	131.7	432	26
Thunder	TX82008N ↗	RXF	00.8	R	33.8	8.5	0	133.7	430	27
Thunder	SB8001 ↗	RRX	0.1	S	33.6	8.1	0	133.3	427	28
Asgrow	AG03X7 § ↗	RRX	0.3	R	33.2	8.3	0	133.7	422	29
Dahlman	1201E3N ↗	E3	0.1	R	32.9	8.7	0	133.3	418	30

Averages = **33.6** **8.6** **132.5** **427**

LSD (0.10) = 5.1 0.7 ns

LSD (0.25) = 2.7 0.3 ns

Luke Brendemuhl

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

C.V. = 14.4 Historic yield: 33.66 bu/a, 1 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$12.72

Report Date: 09/28/2021

† 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

©2021, All rights reserved by Elite Field Genetics, LLC

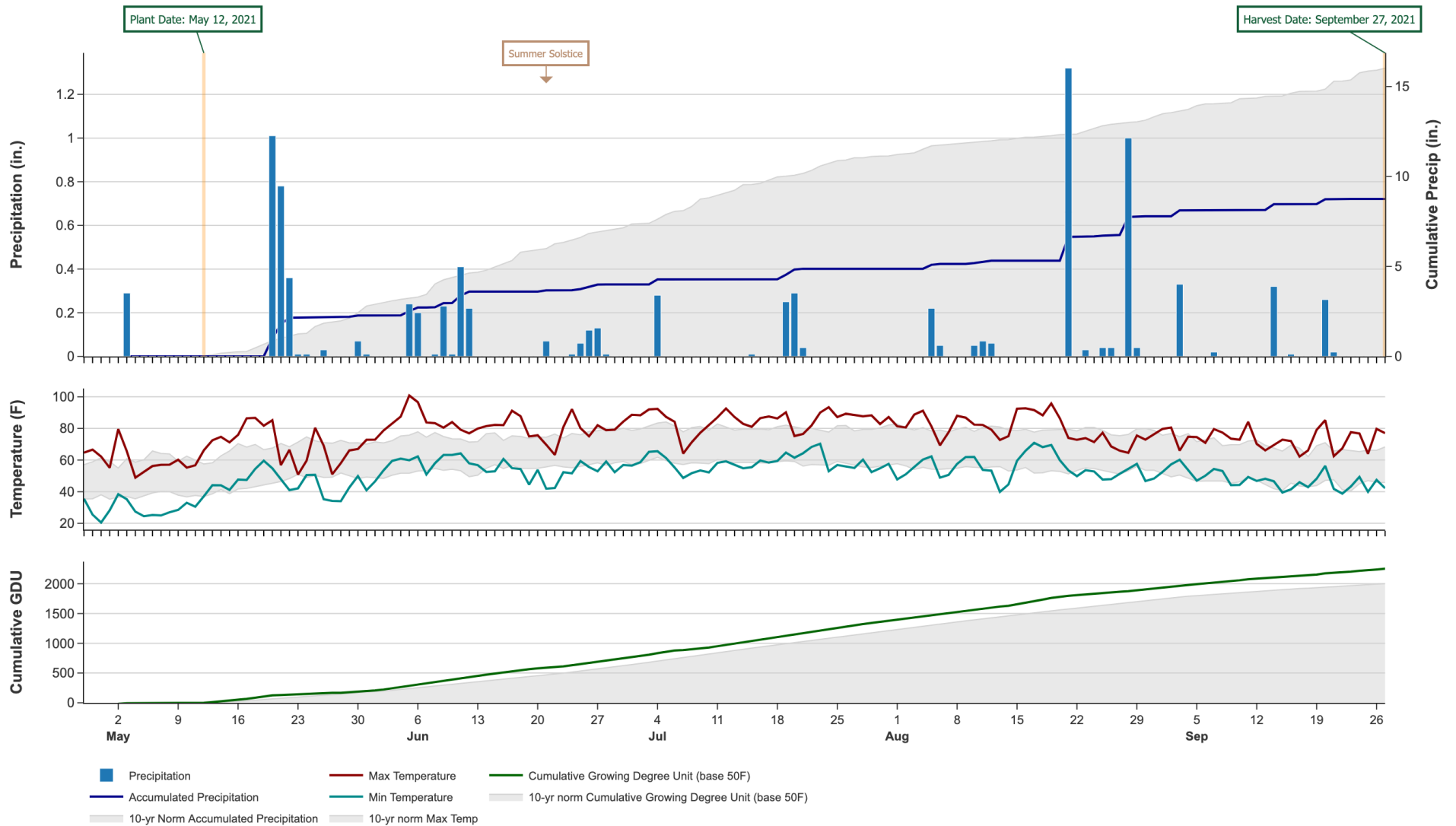
Additional reports available at www.firstseedtests.com

2021 Soybeans - Red River North North Dakota & Minnesota [RRNO]

Weather Conditions Summary at HALLOCK, MN

Weather Data Retrieved: 09/28/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in) Normal (Diff)	0.0 0.3 (-0.3)	2.6 3.3 (-0.8)	1.7 4.3 (-2.6)	0.9 4.0 (-3.1)	2.9 2.2 (+0.8)	1.0 2.7 (-1.7)	9.0 16.8 (-7.8)
GDU Normal (Diff)	7 0 (+7)	226 200 (+25)	544 445 (+98)	643 595 (+47)	535 517 (+17)	335 266 (+68)	2290 2025 (+264)



* 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.

2021 Soybeans - Red River North North Dakota & Minnesota [RRNO]

All-Season Test Products (53 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG008X1 §	RRX	R	00.8	ACi
Asgrow	AG02X2 §	RRX	R	0.2	ACi
Asgrow	AG03X7 §	RRX	R	0.3	ACi
Brevant	B019EE GC	E3	S	0.1	Untreated
Credenz	CZ 0419GTLL	LLGT27	MR	0.4	PV,IL,OB
Dahlman	1102E3N	E3	R	0.2	Treated
Dahlman	1201E3N	E3	R	0.1	Treated
Dairyland	DSR-0119E	E3	S	0.2	Lum,IL
Dairyland	DSR-0645E	E3	R	0.4	Lum,IL
Dyna-Gro	S009XT68	RRX	S	00.9	EQV,SA
Dyna-Gro	S02EN71	E3	R	0.2	EQV,SA
Dyna-Gro	S04XT91	RRX	MR	0.4	EQV,SA
Golden Harvest	GH00833E3 GC	E3	MR	00.8	CMBV,SA
Golden Harvest	GH00982XF	RXF	MR	00.9	CMBV,SA
Golden Harvest	GH0145X	RRX	S	0.1	CMBV,SA
Golden Harvest	GH0272XF §	RXF	MR	0.2	CMBV,SA
Golden Harvest	GH0294E3 GC	E3	S	0.2	CMBV,SA
Golden Harvest	GH0325E3 GC	E3	MR	0.3	CMBV,SA
Golden Harvest	GH0443X	RRX	MR	0.4	CMBV,SA
Hefty	H008E1	E3	R	00.8	DST4,SA
Hefty	H009XF2	RXF	NA	00.9	DST4,SA
Hefty	H01X0	RRX	S	0.1	DST4,SA
Hefty	H02E1	E3	R	0.2	DST4,SA
Hefty	H04X8	RRX	MR	0.4	DST4,SA
Innotech	IS0156E3	E3	S	0.1	Fortify
Innotech	IS0343E3	E3	MR	0.3	Fortify
Latham	L 00839 E3	E3	R	00.8	SS+
Latham	L 0124 R2X	RRX	S	0.1	SS+,SA
Latham	L 0225 E3	E3	S	0.2	SS+
Latham	L 0254 XF	RXF	S	0.2	SS+,SA
Latham	L 0282 R2X	RRX	R	0.2	SS+
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+
Loyal	L0140E	E3	S	0.1	CMBV,SA
NK Brand	NK009-T1XF §	RXF	MR	00.9	CMBV,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NK Brand	NK02-M4XF	RXF	MR	0.2	CMBV,SA
NK Brand	NK04-G8E3 §	E3	R	0.4	CMBV,SA
Proseed	EL90-33N	E3	R	0.3	CMBV
Proseed	XF10-092N	RXF	R	00.9	CMBV
Proseed	XT80-20N	RRX	R	0.2	CMBV
Stine	003EB62 §	E3	R	00.3	NA
Stine	03EB02 §	E3	R	0.3	SFI
Thunder	SB8001	RRX	S	0.1	AM
Thunder	SB8104N	RRX	R	0.4	AM
Thunder	SB88007N	RRX	R	00.7	AM
Thunder	SB8903N	RRX	R	0.3	AM
Thunder	TE71008N	E3	R	00.8	AM
Thunder	TE7101N	E3	R	0.1	AM
Thunder	TX82008N	RXF	R	00.8	AM
Thunder	TX8203	RXF	S	0.3	AM
Xitavo	XO 0101E	E3	MR	0.1	PV,IL,OB
Xitavo	XO 0311E	E3	MR	0.3	PV,IL,OB

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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
LLGT27	LibertyLink® GT27®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
AM	ApronMaxx
CMBV	CruiserMaxx® Beans, Vibrance®
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,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

* Seed treatments may include unspecified plant health promoting components.