

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

2021 Soybeans Top 30 Harvest Report

Red River North North Dakota & Minnesota [RRNO]

GREENBUSH, MN

Garner Eeg, Roseau County, MN

All-Season Test	Maturity Group 00.7 - 0.4 S2021RRNO02
Top 30 of 53	For Gross Income (Sorted by Yield) Average of () Replications
PREV. CROP/HERB:	Wheat / Axial Bold, Widematch
SOIL DESCRIPTION:	Percy loam, poorly drained, non-irrigated
SOIL CONDITION:	very high P, low K, 8.0 pH, 3.0% OM, 17.7 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 11 140.0 /A 30" spacing
HARVESTED - STAND:	

TEST COMMENTS:

This plot was planted on a light sandy soil, and only had about 0.3 in. of rain from June 1 until late August.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Lost to severe drought										

		Averages =			
		LSD (0.10) =	ns	ns	ns
Luke Brendemuhl		LSD (0.25) =	ns	ns	ns
luke.brendemuhl@firstseedtests.com, (218) 790-4497		C.V. =			Historic yield: new site
Yield & Income Factors:	Base Moisture = 15%	Shrink = 1.2	Drying = \$0.00	Prices: GMO = \$9.00	

Report Date: 11/09/2021

Additional reports available at www.firstseedtests.com

† 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

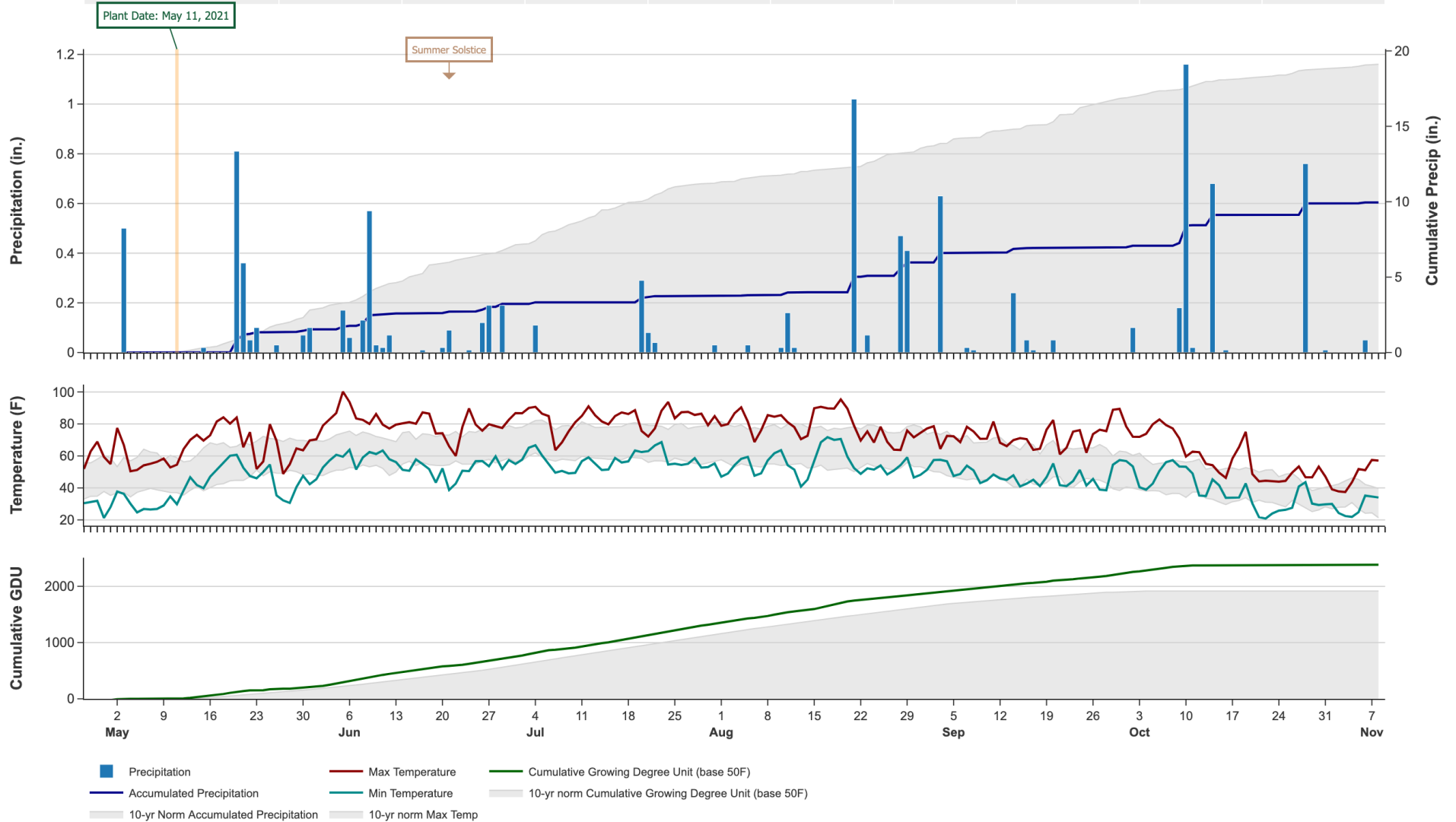
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Weather Conditions Summary at GREENBUSH, MN

Weather Data Retrieved: 11/09/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	0.0 0.4 (-0.4)	2.0 3.4 (-1.4)	1.7 4.2 (-2.5)	0.6 4.2 (-3.7)	2.2 2.3 (-0.1)	1.0 3.3 (-2.3)	2.9 2.0 (+0.9)	0.1 0.3 (-0.2)	10.4 20.1 (-9.7)
GDU Normal (Diff)	9 0 (+9)	226 184 (+41)	523 412 (+110)	610 569 (+40)	525 488 (+36)	363 263 (+99)	157 17 (+139)	0 0 (0)	2413 1935 (+477)



* 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 (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
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

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
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

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.