

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

2021 Soybeans Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE]
BUFFALO, ND

Tim Berntson, Cass County, ND

All-Season Test	0.2 - 0.9 Day CRM S2021RRCE03
Top 30 of 71	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Prevent Plant/Rye Cover / Glyphosate, 2,4-D
SOIL DESCRIPTION:	Barnes-Svea loam, well drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 7.4 pH, 4.0% OM, 22.6 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Fierce Ez, Mad Dog, Medal Ec, Gunsmoke
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 17 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 5 132.0 /A

TEST COMMENTS:

The plot was planted into a rye cover crop from last year's prevent plant. Shortly after planting, the plot received a few good rains the last week of May, which helped emergence. This area was very dry from the end of June until the end of August, which took away top-end yield for some varieties. At harvest, most plants were shorter in stature with no lodging, with most varieties having half-full top pods.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H09X1 ↗	RRX	0.9	R	58.8	9.5	0	131.0	721	1
Stine	08GC02 GC ↗	LLGT27	0.8	R	57.9	9.1	0	133.0	710	2
Dairyland	DSR-1010E ↗	E3	1.0	R	53.3	9.3	0	131.7	653	3
AgriGold	G0801E3 § ↗	E3	0.8	NA	52.1	9.7	0	133.0	639	4
Asgrow	AG09XF0 § ↗	RXF	0.9	R	51.6	9.4	0	131.3	633	5
Hefty	H08XF2 ↗	RXF	0.8	NA	51.1	9.4	0	133.3	626	6
Golden Harvest	GH0443X ↗	RRX	0.4	MR	48.6	9.5	0	132.3	596	7
Genesis	G0750E ↗	E3	0.7	R	48.5	9.5	0	131.3	595	8
Thunder	TX8206N ↗	RXF	0.6	R	48.3	9.5	0	131.0	592	9
Latham	L 0739 R2X ↗	RRX	0.7	R	48.3	9.2	0	131.7	592	10
Golden Harvest	GH0822XF ↗	RXF	0.8	R	48.2	9.7	0	131.0	591	11
Xitavo	XO 0731E ↗	E3	0.7	R	48.1	9.5	0	131.7	590	12
Stine	06EC23 § ↗	E3	0.6	R	47.9	9.6	0	131.3	587	13
Thunder	TX8205N ↗	RXF	0.5	R	47.8	9.4	0	133.3	586	14
Dairyland	DSR-0660E ↗	E3	0.6	R	47.7	9.5	0	131.3	585	15
Channel	0622RFX § ↗	RXF	0.6	NA	47.6	9.6	0	132.7	584	16
Innotech	IS0864E3 ↗	E3	0.8	R	46.9	9.6	0	132.7	575	17
Hefty	H07XF1 ↗	RXF	0.7	NA	46.7	9.6	0	130.7	573	18
Thunder	TX8207N ↗	RXF	0.7	R	46.5	9.6	0	132.7	570	19
Genesis	G0760E ↗	E3	0.7	R	46.2	9.0	0	133.3	566	20
Latham	L 0984 XF ↗	RXF	0.9	R	46.0	9.4	0	130.7	564	21
Brevant	B091EE § ↗	E3	0.9	S	45.7	9.7	0	132.0	560	22
Thunder	TX8109N ↗	RXF	0.9	R	45.7	9.5	0	131.0	560	23
Dyna-Gro	S05EN82 ↗	E3	0.5	R	45.4	9.8	0	132.0	557	24
NK Brand	NK05-W3XF ↗	RXF	0.5	R	45.3	9.9	0	131.3	555	25
Latham	L 0785 E3 ↗	E3	0.7	R	45.1	9.7	0	132.3	553	26
Thunder	SB8807N ↗	RRX	0.7	R	44.9	9.2	0	132.3	550	27
Dairyland	DSR-0645E ↗	E3	0.4	R	44.8	10.0	0	130.0	549	28
Apex	AE0611 ↗	E3	0.6	R	44.5	9.7	0	132.0	546	29
Brevant	B061EE § ↗	E3	0.6	MR	44.4	9.3	0	130.7	544	30

Averages = **42.1** **9.4** **132.0** **518**

LSD (0.10) = 8.6 0.4 ns

LSD (0.25) = 4.5 0.2 ns

Luke Brendemuhl

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

C.V. = 19.5

Historic yield: new site

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$12.26

Report Date: 10/05/2021

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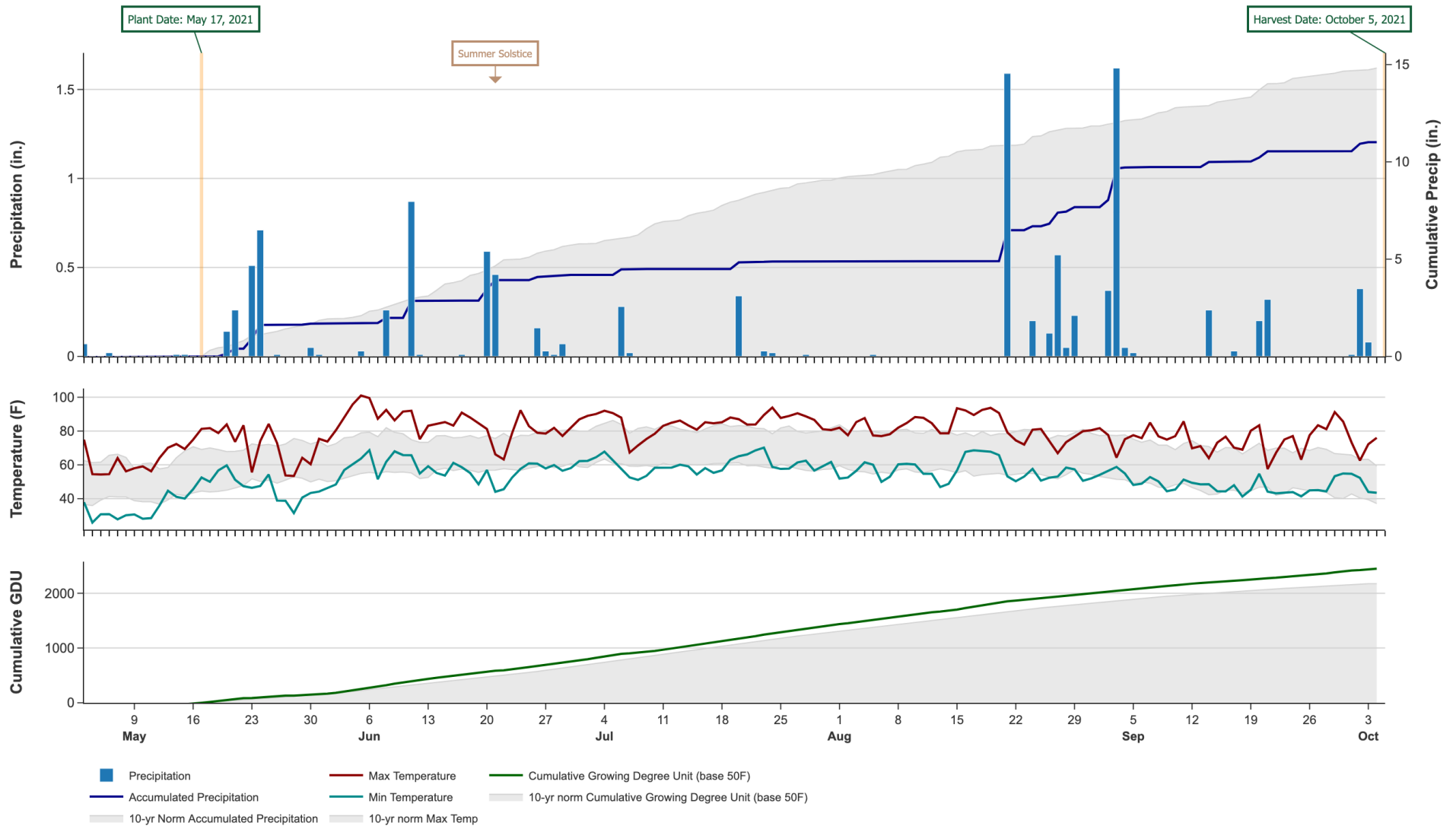
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2021 Soybeans - Red River Central North Dakota & Minnesota [RRCE]

Weather Conditions Summary at BUFFALO, ND

Weather Data Retrieved: 10/05/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.8 2.9 (-1.1)	2.5 3.9 (-1.4)	0.7 3.3 (-2.6)	2.8 2.8 (0.0)	2.9 2.8 (+0.1)	0.5 0.2 (+0.3)	11.1 15.9 (-4.8)
GDU Normal (Diff)	235 219 (+15)	592 497 (+94)	673 639 (+33)	579 537 (+41)	402 322 (+79)	46 21 (+24)	2527 2238 (+288)



* 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

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

* 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
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

* Seed treatments may include unspecified plant health promoting components.