

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

2022 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]
GEORGETOWN, MN

WCD Brendemuhl Farms, Curtis Brendemuhl, Clay County,
MN 56560

All-Season Test	Maturity Group 0.6 - 1.4 S2022RRSO04
Top 30 of 72	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Wheat / Huskie Complete
SOIL DESCRIPTION:	Fargo silty clay, poorly drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 5.7 pH, 6.4% OM, 33.0 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Fierce Ez, Interline, Mad Dog, Medal Ec
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 22 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 123.3 /A

TEST COMMENTS:

This location received timely rains early in the growing season that fell once a week but dried up starting in the Middle of July and lasted through the first few weeks of August. Two excellent rain events on August 12th and August 19th helped the plot immensely during pod fill. Curt and his brothers are pleasantly surprised with excellent soybean yields, stating that although some fields looked unremarkable, bean size was considerable, plants have many pods, and they have seen higher than average test weights. Plants at harvest were thigh-high with many pods, and a frost the week prior helped dry down later maturity soybeans for this location.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Paloma	PL2E141 GC ↗	E3	1.4	R	80.9	11.1	0	123.7	1082	1
Mustang	XF13323 ↗	RXF	1.3	R	79.5	11.3	0	122.3	1063	2
Latham	L 1439 XF ↗	RXF	1.4	R	78.9	11.1	0	124.3	1055	3
Zinesto	Z1202E ↗	E3	1.2	NA	77.7	11.4	0	124.0	1039	4
Stine	14EE02 § ↗	E3	1.4	R	77.1	12.7	0	123.3	1031	5
Loyal	L1050E ↗	E3	1.0	R	77.0	10.3	0	125.0	1029	6
NK Brand	S13-E3 ↗	E3	1.3	MR	76.9	10.3	0	126.7	1028	7
Xitavo	XO 1133E ↗	E3	1.1	R	76.5	10.3	0	122.3	1023	8
Xitavo	XO 1451E ↗	E3	1.4	R	76.3	12.1	0	123.7	1020	9
Genesis	G1070E ↗	E3	1.0	R	76.1	10.3	0	124.7	1017	10
Dyna-Gro	S09EN53 ↗	E3	0.9	R	75.3	10.3	0	120.7	1007	11
Xitavo	XO 1212E ↗	E3	1.2	R	74.9	11.9	0	123.3	1001	12
Dyna-Gro	S12XF92 ↗	RXF	1.2	R	74.7	10.2	0	124.0	999	13
Latham	L 1452 LLGT27 ↗	LLGT27	1.4	R	74.7	11.4	0	122.0	999	14
Dak-Sota	DE5212 ↗	E3	1.2	R	74.7	11.6	0	123.3	999	15
Thunder	TE7011N ↗	E3	1.1	R	74.7	10.4	0	124.7	999	16
Asgrow	AG09XF3 § ↗	RXF	0.9	R	74.6	10.2	0	123.3	997	17
Golden Harvest	GH1472E3 ↗	E3	1.4	R	74.4	10.5	0	122.0	995	18
Latham	L 1392 E3 ↗	E3	1.3	R	74.4	10.5	0	123.3	995	19
Brevant	B131EE § ↗	E3	1.3	MR	74.3	10.0	0	122.3	993	20
Genesis	G1260E ↗	E3	1.2	R	74.3	12.2	0	121.7	993	21
Zinesto	Z0903E ↗	E3	0.9	R	74.2	10.1	0	123.0	992	22
Dairyland	DSR-1450E ↗	E3,ST	1.4	R	74.2	11.0	0	122.7	992	23
Asgrow	AG13XF3 § ↗	RXF	1.3	R	73.9	9.8	0	126.7	988	24
Hefty	H13XF3 ↗	RXF	1.3	R	73.6	11.1	0	120.7	984	25
Stine	10EF23 § ↗	E3	1.0	R	73.3	10.0	0	125.0	980	26
Brevant	B091EE § ↗	E3	0.9	S	73.2	9.9	0	123.3	979	27
Dairyland	DSR-1121E ↗	E3	1.1	R	73.2	10.4	0	124.7	979	28
Paloma	PL2E101 GC ↗	E3	1.0	NA	73.2	10.8	0	124.0	979	29
Golden Harvest	GH1323XF § ↗	RXF	1.3	R	73.0	10.5	0	125.7	976	30

Averages = **71.9** **10.4** **123.3** **962**

LSD (0.10) = 3.1 0.3 ns

LSD (0.25) = 1.6 0.2 ns

C.V. = 4.1

Historic yield: 43.47 bu/a, 4 yr(s)

Luke Brendemuhl

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$13.37

Report Date: 10/07/2022

† 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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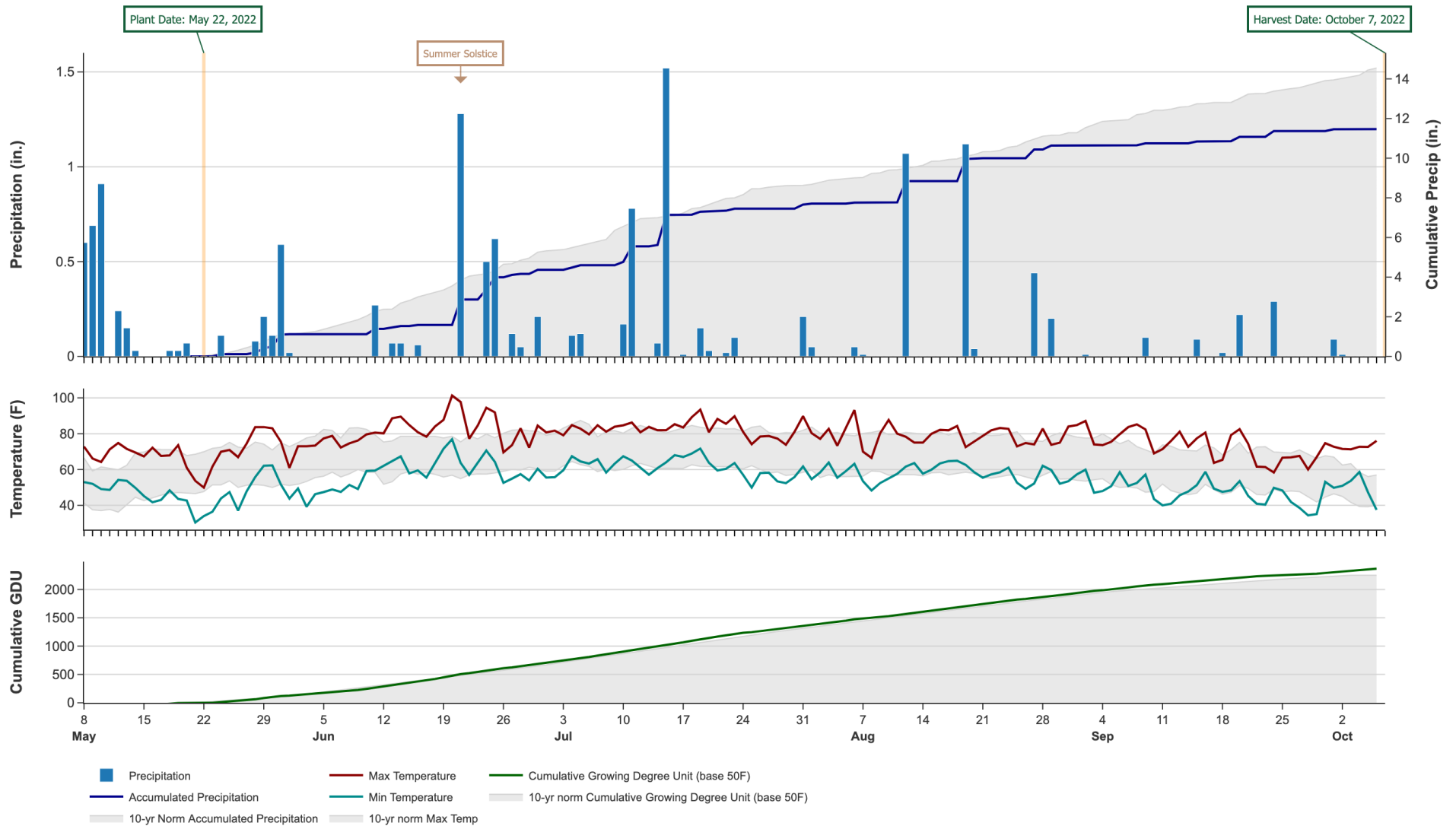
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2022 Soybeans - Red River South North Dakota & Minnesota [RRSO]

Weather Conditions Summary at GEORGETOWN, MN

Weather Data Retrieved: 10/07/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	3.9 2.6 (+1.2)	3.3 4.2 (-0.9)	3.3 3.4 (-0.1)	3.0 2.7 (+0.3)	0.7 2.6 (-1.9)	0.1 0.6 (-0.5)	14.2 16.1 (-1.9)
GDU Normal (Diff)	251 214 (+36)	561 539 (+21)	673 665 (+7)	564 567 (-3)	373 346 (+26)	75 21 (+53)	2497 2354 (+142)



* 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 (72 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG09XF3 §	RXF	R	0.9	ACi,IL
Asgrow	AG11XF2 §	RXF	R	1.1	ACi,IL
Asgrow	AG13XF3 §	RXF	R	1.3	ACi,IL
Brevant	B061EE §	E3	MR	0.6	Untreated
Brevant	B091EE §	E3	S	0.9	Untreated
Brevant	B131EE §	E3	MR	1.3	Untreated
Dairyland	DSR-0757E	E3	S	0.7	Lum,Lu,IL
Dairyland	DSR-0847E	E3	S	0.8	Lum,Lu,IL
Dairyland	DSR-0920E	E3	R	0.9	Lum,Lu,IL
Dairyland	DSR-1121E	E3	R	1.1	Lum,Lu,IL
Dairyland	DSR-1290E	E3,ST	R	1.2	Lum,Lu,IL
Dairyland	DSR-1450E	E3,ST	R	1.4	Lum,Lu,IL
Dak-Sota	DE5212	E3	R	1.2	TFI
Dak-Sota	DE5309	E3	R	0.9	TFI
Dyna-Gro	S09EN53	E3	R	0.9	EQV,Sa,Va
Dyna-Gro	S09XF62	RXF	R	0.9	EQV,Sa,Va
Dyna-Gro	S12XF92	RXF	R	1.2	EQV,Sa,Va
Genesis	G1070E	E3	R	1.0	EcTC,SA
Genesis	G1260E	E3	R	1.2	EcTC,SA
Golden Harvest	GH0933E3	E3	R	0.9	CMBV,SA
Golden Harvest	GH0983XF §	RXF	R	0.9	CMBV,SA
Golden Harvest	GH1323XF §	RXF	R	1.3	CMBV,SA
Golden Harvest	GH1472E3	E3	R	1.4	CMBV,SA
Hefty	H06XF2	RXF	NA	0.6	DST4
Hefty	H07XF1	RXF	NA	0.7	DST5
Hefty	H07XF3	RXF	R	0.7	DST4
Hefty	H08XF2	RXF	NA	0.8	DST4
Hefty	H09XF3	RXF	R	0.9	DST4
Hefty	H12XF2	RXF	NA	1.2	DST4
Hefty	H13XF3	RXF	R	1.3	DST4
Hefty	H14XF3	RXF	R	1.4	DST4
Latham	L 0694 XF	RXF	R	0.6	SS+,SA
Latham	L 0728 XF	RXF	R	0.7	SS+,SA
Latham	L 0785 E3	E3	R	0.7	SS+,SA
Latham	L 0945 LLGT27	LLGT27	R	0.9	SS+,SA
Latham	L 0959 E3	E3	R	0.9	SS+,SA
Latham	L 1392 E3	E3	R	1.3	SS+,SA
Latham	L 1439 XF	RXF	R	1.4	SS+,SA
Latham	L 1452 LLGT27	LLGT27	R	1.4	SS+,SA
Loyal	L1050E	E3	R	1.0	NLSB
Mustang	XF13323	RXF	R	1.3	Treated
NK Brand	NK06-D9E3	E3	R	0.6	CMBV,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NK Brand	NK08-M1XF	RXF	R	0.8	CMBV,SA
NK Brand	S10-E3 §	E3	R	1.0	CMBV,SA
NK Brand	S13-E3	E3	MR	1.3	CMBV,SA
Paloma	PL2E101 GC	E3	NA	1.0	Treated
Paloma	PL2E141 GC	E3	R	1.4	EcTC,SA
Stine	08EC32 §	E3	R	0.8	SFI
Stine	10EF23 §	E3	R	1.0	SFI
Stine	14EE02 §	E3	R	1.4	SFI
Thunder	TE7011N	E3	R	1.1	TFI
Thunder	TE7309N	E3	R	0.9	TFI
Thunder	TX8211N	RXF	R	1.1	TFI
Thunder	TX8309N	RXF	R	0.9	TFI
Thunder	TX8312N	RXF	R	1.2	TFI
Thunder	TX8313N	RXF	R	1.3	TFI
Xitavo	XO 0602E	E3	R	0.6	PV,IL,OB,Rey
Xitavo	XO 0731E	E3	R	0.7	PV,IL,OB,Rey
Xitavo	XO 0993E	E3	R	0.9	PV,IL,OB,Rey
Xitavo	XO 1041E	E3	R	1.0	PV,IL,OB,Rey
Xitavo	XO 1133E	E3	R	1.1	PV,IL,OB,Rey
Xitavo	XO 1212E	E3	R	1.2	PV,IL,OB,Rey
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Xitavo	XO 1451E	E3	R	1.4	PV,IL,OB,Rey
Zinesto	Z0601E	E3	R	0.6	DST4
Zinesto	Z0602E	E3	NA	0.6	DST5
Zinesto	Z0702E	E3	NA	0.7	DST5
Zinesto	Z0903E	E3	R	0.9	DST4
Zinesto	Z1003E	E3	R	1.0	DST4
Zinesto	Z1101E	E3	R	1.1	DST4
Zinesto	Z1202E	E3	NA	1.2	DST4
Zinesto	Z1411E	E3	R	1.4	DST4

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®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermass® Beans, Vibrance®, Salto®
DST4	Dominance 4 ST
DST5	Dominance 5 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salto®
EQV,Sa,Va	Equity VIP, Salto®, Vayantis
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
NLSB	NexLevel SB Elite and Marathon Extreme (Agri Partners)
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salto®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.