

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

### 2020 Soybeans Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE] EAST  
GRAND FORKS, MN

Matthew Krueger, Polk County, MN 56721

<b>All-Season Test</b>	0.2 - 0.9 Day CRM S2020RRCE02
<b>Top 30 of 63</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Wheat / Husky
<b>SOIL DESCRIPTION:</b>	Bearden-Colvin silty clay loam, mod. poorly drained, non- irrigated
<b>SOIL CONDITION:</b>	very low P, medium K, 8.2 pH, 3.9% OM, 32.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Fierce Ez, Makaze, Medal Ec
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 29 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 8 129.4 /A

### TEST COMMENTS:

Planting was delayed in the surrounding area due to wet conditions in the spring. The plot was planted a few days after the surrounding field. This area received above average rainfall in the months of June and July. A early frost in September damaged many varieties, and at harvest many beans had a greenish shade to them and some top pods did not fill.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
THUNDER	TE7003N	E3	0.3	R	<b>43.7</b>	9.7	0	129.0	412	1
GENESIS	G0380GL	LLGT27	0.3	R	<b>43.1</b>	10.1	0	128.3	406	2
THUNDER	SB8104N	RRX	0.4	R	<b>42.8</b>	10.1	0	132.0	404	3
STINE	03EB02 §	E3	0.3	R	<b>42.4</b>	9.9	0	129.3	400	4
LOYAL	L0320E	E3	0.3	R	<b>42.4</b>	9.8	0	129.3	400	5
ASGROW	AG02X8 §	RRX	0.2	S	<b>41.9</b>	9.7	0	127.3	395	6
THUNDER	SB8903N	RRX	0.3	R	<b>41.8</b>	10.0	0	128.0	394	7
ASGROW	AG05X9 §	RRX	0.5	R	<b>41.2</b>	9.8	0	131.7	389	8
LATHAM	L 0739 R2X	RRX	0.7	R	<b>40.7</b>	10.2	0	132.0	384	9
ZINESTO	Z0601E	E3	0.6	R	<b>40.6</b>	10.2	0	129.3	383	10
LATHAM	L 0982 R2	RR2Y	0.9	R	<b>40.3</b>	11.0	0	129.7	380	11
HEFTY	H04X0	RRX	0.4	R	<b>40.1</b>	9.9	0	128.7	378	12
LATHAM	L 0785 E3	E3	0.7	R	39.7	10.8	0	129.3	374	13
THUNDER	TE7005N	E3	0.5	R	39.5	10.0	0	129.3	372	14
HEFTY	H04E8	E3	0.4	S	39.3	9.6	0	130.7	371	15
THUNDER	SB8805N	RRX	0.5	R	39.3	9.4	0	130.7	371	16
LATHAM	E 0624 LLGT27	LLGT27	0.6	S	39.3	10.0	0	129.0	371	17
LATHAM	L 0595 E3	E3	0.5	R	39.1	9.7	0	129.7	369	18
PROSEED	XT80-20N	RRX	0.2	R	39.1	9.5	0	128.3	369	19
NK BRAND	S05-E3	E3	0.5	MR	39.1	10.0	0	129.3	369	20
LATHAM	L 0883 R2X	RRX	0.8	R	38.7	10.6	0	127.7	365	21
GOLDEN HARVEST	GH0443X	RRX	0.4	MR	38.7	9.5	0	130.3	365	22
DYNA-GRO	S07EN61	E3	0.7	R	38.7	10.3	0	129.7	365	23
THUNDER	SB8906N	RRX	0.6	R	38.6	9.9	0	128.3	364	24
CREDENZ	CZ 0309GTL	LLGT27	0.3	MR	38.6	9.2	0	127.7	364	25
PROSEED	EL20-73	E3	0.7	R	38.5	10.7	0	127.7	363	26
LATHAM	L 0852 LLGT27	LLGT27	0.8	S	38.5	10.2	0	130.0	363	27
ZINESTO	Z0501E	E3	0.5	R	38.5	9.4	0	129.7	363	28
THUNDER	SB8807N	RRX	0.7	R	38.3	10.4	0	128.7	361	29
GOLDEN HARVEST	GH0715E3 §	E3	0.7	R	38.3	10.0	0	129.7	361	30

Averages = **38.0** **9.9** **0** **129.4** **358**

LSD (0.10) = 1.9 0.7 ns

LSD (0.25) = 1.0 0.4 ns

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C.V. = 4.9

Historic yield: 41.0 bu/a, 3 yr(s)

**Yield & Income Factors:**

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$9.43

Report Date: 10/09/2020

Revised: 10/13/2020 Wrong strip length used in calculations, all yields increase proportionally, rankings unchanged.

Additional reports available at [www.firstseedtests.com](http://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

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## 2020 Soybeans - Red River Central North Dakota & Minnesota [ RRCE ]

### All-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE0710	E3	R	0.7	CMBV,SA
APEX	AE0810	E3	R	0.8	CMBV,SA
ASGROW	AG02X8 §	RRX	S	0.2	NA
ASGROW	AG05X9 §	RRX	R	0.5	NA
ASGROW	AG08X0 §	RRX	R	0.8	NA
CREDENZ	CZ 0309GTLL	LLGT27	MR	0.3	PV,IL,OB
CREDENZ	CZ 0419GTLL	LLGT27	MR	0.4	PV,IL,OB
CREDENZ	CZ 0590GTLL	LLGT27	R	0.5	PV,IL,OB
CREDENZ	CZ 0661GTLL	LLGT27	R	0.6	PV,IL,OB
CREDENZ	CZ 0729GTLL	LLGT27	MR	0.7	PV,IL,OB
DYNA-GRO	S07EN61	E3	R	0.7	EQV,SA
DYNA-GRO	S07XT28	RRX	R	0.7	EQV,SA
DYNA-GRO	S09XT50	RRX	R	0.9	EQV,SA
GENESIS	G0380GL	LLGT27	R	0.3	EcTC
GENESIS	G0690GL	LLGT27	R	0.6	EcTC
GENESIS	G0750E	E3	R	0.7	CMBV,SA
GENESIS	G0850E	E3	R	0.8	CMBV,SA
GOLDEN HARVEST	GH0443X	RRX	MR	0.4	CMBV,SA
GOLDEN HARVEST	GH0715E3 §	E3	R	0.7	CMBV,SA
GOLDEN HARVEST	GH0749X	RRX	MR	0.7	CMBV,SA
HEFTY	H02E1	E3	R	0.2	HCS
HEFTY	H04E8	E3	S	0.4	HCS
HEFTY	H04X0	RRX	R	0.4	HCS
HEFTY	H07X0	RRX	R	0.7	HCS
HEFTY	H09X0	RRX	R	0.9	HCS
LATHAM	E 0624 LLGT27	LLGT27	S	0.6	SS+
LATHAM	L 0595 E3	E3	R	0.5	SS+
LATHAM	L 0739 R2X	RRX	R	0.7	SS+
LATHAM	L 0785 E3	E3	R	0.7	SS+
LATHAM	L 0852 LLGT27	LLGT27	S	0.8	SS+
LATHAM	L 0883 R2X	RRX	R	0.8	SS+
LATHAM	L 0982 R2	RR2Y	R	0.9	SS+
LOYAL	L0320E	E3	R	0.3	CMBV,SA
LOYAL	L0830E	E3	R	0.8	CMBV,SA
NK BRAND	S04-Q7X	RRX	MR	0.4	CMBV,SA
NK BRAND	S05-2E3 §	E3	S	0.5	CMBV,SA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
NK BRAND	S05-E3	E3	MR	0.5	CMBV,SA
NK BRAND	S05-N5X §	RRX	S	0.5	CMBV,SA
NK BRAND	S07-E3	E3	MR	0.7	CMBV,SA
NK BRAND	S07-Q4X	RRX	MR	0.7	CMBV,SA
NK BRAND	S09-3E3	E3	NA	0.9	CMBV,SA
NK BRAND	S09-D4X	RRX	S	0.9	CMBV,SA
PIONEER	P09A53X GC	RRX	NA	0.9	NA
PROSEED	EL20-73	E3	R	0.7	NA
PROSEED	EL90-53N	E3	R	0.5	NA
PROSEED	XT20-70	RRX	R	0.7	NA
PROSEED	XT80-20N	RRX	R	0.2	NA
STINE	03EB02 §	E3	R	0.3	NA
STINE	06EC23 §	E3	R	0.6	NA
STINE	09EA02 §	E3	R	0.9	NA
THUNDER	SB8104N	RRX	R	0.4	NA
THUNDER	SB8805N	RRX	R	0.5	NA
THUNDER	SB8807N	RRX	R	0.7	NA
THUNDER	SB8903N	RRX	R	0.3	NA
THUNDER	SB8906N	RRX	R	0.6	NA
THUNDER	TE7003N	E3	R	0.3	NA
THUNDER	TE7005N	E3	R	0.5	NA
THUNDER	TE7107N	E3	R	0.7	NA
TITAN PRO	07E0	E3	R	0.7	SA,A,R,G
ZINESTO	Z0501E	E3	R	0.5	NA
ZINESTO	Z0601E	E3	R	0.6	NA
ZINESTO	Z0701E	E3	R	0.7	NA
ZINESTO	Z0801E	E3	R	0.8	NA

## 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®
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®

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## Soybeans Seed Treatments\*\*

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NA	Not Available
CMBV,SA	Cruisermaxx, Vibrance, Saltro
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EQV,SA	Equity VIP, Saltro
HCS	Hefty Complete Soybeans
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SA,A,R,G	Saltro, Allegiance FL, Redigo 480, Gaucho 600
SS+	SoyShield Plus

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