

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

2020 Soybeans Top 30 Harvest Report

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

Matthew Krueger, Polk County, MN 56721

All-Season Test

0.2 - 0.9 Day CRM
S2020RRCE02

Top 30 of 63

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

PREV. CROP/HERB:

Wheat / Husky

SOIL DESCRIPTION:

Bearden-Colvin silty clay loam,
mod. poorly drained, non-
irrigated

SOIL CONDITION:

very low P, medium K, 8.2 pH,
3.9% OM, 32.1 CEC

TILLAGE/CULTIVATION:

Conventional W/ Fall Till

PEST MANAGEMENT:

Fierce Ez, Makaze, Medal Ec

Applied N-P-K (units):

0-0-0

SEEDED - RATE - ROW:

May 29 140.0 /A 30" spacing

HARVESTED - STAND:

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. An 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	31.2	9.7	0	129.0	294	1
GENESIS	G0380GL	LLGT27	0.3	R	30.8	10.1	0	128.3	290	2
THUNDER	SB8104N	RRX	0.4	R	30.6	10.1	0	132.0	289	3
STINE	03EB02 §	E3	0.3	R	30.3	9.9	0	129.3	286	4
LOYAL	L0320E	E3	0.3	R	30.3	9.8	0	129.3	286	5
ASGROW	AG02X8 §	RRX	0.2	S	29.9	9.7	0	127.3	282	6
THUNDER	SB8903N	RRX	0.3	R	29.8	10.0	0	128.0	281	7
ASGROW	AG05X9 §	RRX	0.5	R	29.4	9.8	0	131.7	277	8
LATHAM	L 0739 R2X	RRX	0.7	R	29.1	10.2	0	132.0	274	9
ZINESTO	Z0601E	E3	0.6	R	29.0	10.2	0	129.3	273	10
LATHAM	L 0982 R2	RR2Y	0.9	R	28.8	11.0	0	129.7	272	11
HEFTY	H04X0	RRX	0.4	R	28.7	9.9	0	128.7	271	12
LATHAM	L 0785 E3	E3	0.7	R	28.3	10.8	0	129.3	267	13
THUNDER	TE7005N	E3	0.5	R	28.2	10.0	0	129.3	266	14
THUNDER	SB8805N	RRX	0.5	R	28.1	9.4	0	130.7	265	15
LATHAM	E 0624 LLGT27	LLGT27	0.6	S	28.1	10.0	0	129.0	265	16
HEFTY	H04E8	E3	0.4	S	28.1	9.6	0	130.7	265	17
LATHAM	L 0595 E3	E3	0.5	R	28.0	9.7	0	129.7	264	18
NK BRAND	S05-E3	E3	0.5	MR	27.9	10.0	0	129.3	263	19
PROSEED	XT80-20N	RRX	0.2	R	27.9	9.5	0	128.3	263	20
LATHAM	L 0883 R2X	RRX	0.8	R	27.7	10.6	0	127.7	261	21
DYNA-GRO	S07EN61	E3	0.7	R	27.6	10.3	0	129.7	260	22
THUNDER	SB8906N	RRX	0.6	R	27.6	9.9	0	128.3	260	23
GOLDEN HARVEST	GH0443X	RRX	0.4	MR	27.6	9.5	0	130.3	260	24
ZINESTO	Z0501E	E3	0.5	R	27.5	9.4	0	129.7	259	25
LATHAM	L 0852 LLGT27	LLGT27	0.8	S	27.5	10.2	0	130.0	259	26
PROSEED	EL20-73	E3	0.7	R	27.5	10.7	0	127.7	259	27
CREDENZ	CZ 0309GTLL	LLGT27	0.3	MR	27.5	9.2	0	127.7	259	28
THUNDER	SB8807N	RRX	0.7	R	27.4	10.4	0	128.7	258	29
GOLDEN HARVEST	GH0715E3 §	E3	0.7	R	27.4	10.0	0	129.7	258	30

Averages = **27.1** **9.9** **0** **129.4** **256**

LSD (0.10) = 1.4 0.7 ns

LSD (0.25) = 0.7 0.4 ns

Luke Brendemuhl

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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

† 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

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

Soybeans Seed Treatments**

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

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