

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

2020 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]

WHEATON, MN

Chester Raguse, Traverse County, MN 56583

Early-Season Test 0.6 - 0.9 Day CRM
S2020RRSO01a

Top 30 of 45 For Gross Income
(Sorted by Yield)
Average of () Replications

PREV. CROP/HERB: Corn / NA

SOIL DESCRIPTION: Antler loam, mod. poorly
drained, non-irrigated

SOIL CONDITION: medium P, medium K, 7.8 pH,
4.7% OM, 32.2 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 15 140.0 /A " spacing

HARVESTED - STAND:

TEST COMMENTS:

*The plot was lost due to multiple hail events on the plot
and surrounding field.*

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

Averages =

LSD (0.10) = ns ns ns

LSD (0.25) = ns ns ns

C.V. =

Historic yield: 40.6 bu/a, 4 yr(s)

Luke Brendemuhl

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

Yield & Income Factors:

Base Moisture = 15%

Shrink = 1.2

Drying = \$0.00

Prices: GMO = \$9.00

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2020 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]
WHEATON, MN
Chester Raguse, Traverse County, MN 56583

Full-Season Test 1.0 - 1.4 Day CRM
S2020RRSO01b

Top 30 of 33 For Gross Income
(Sorted by Yield)
Average of () Replications

PREV. CROP/HERB: Corn / NA

SOIL DESCRIPTION: Antler loam, mod. poorly
drained, non-irrigated

SOIL CONDITION: medium P, medium K, 7.8 pH,
4.7% OM, 32.2 CEC

TILLAGE/CULTIVATION: Conventional W/ Fall Till

PEST MANAGEMENT: Fierce Ez, Makaze, Medal Ec

Applied N-P-K (units): 0-0-0

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HARVESTED - STAND:

TEST COMMENTS:

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Lost to hail damage										

Averages =

LSD (0.10) = ns ns ns

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Historic yield: 40.6 bu/a, 4 yr(s)

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Report Date: 10/12/2020

† 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 South North Dakota & Minnesota [RRSO]

Early-Season Test Products (45 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
APEX	AE1010	E3	R	1.0	CMBV,SA
ASGROW	AG08X0 §	RRX	R	0.8	NA
CREDENZ	CZ 0729GTLL	LLGT27	MR	0.7	PV,IL,OB
DYNA-GRO	S09EN41	E3	R	0.9	EQV,SA
DYNA-GRO	S10XT71	RRX	R	1.0	EQV,SA
GENESIS	G0690GL	LLGT27	R	0.6	EcTC
GENESIS	G0750E	E3	R	0.7	CMBV,SA
GENESIS	G0850E	E3	R	0.8	CMBV,SA
GENESIS	G1050E	E3	R	1.0	CMBV,SA
GOLDEN HARVEST	GH0749X	RRX	MR	0.7	CMBV,SA
GOLDEN HARVEST	GH1012E3 §	E3	R	1.0	CMBV,SA
HEFTY	H07X0	RRX	R	0.7	HCS
HEFTY	H09X0	RRX	R	0.9	HCS
HEFTY	H09X1	RRX	R	0.9	HCS
HEFTY	H10X0	RRX	R	1.0	HCS
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 1085 LLGT27	LLGT27	R	1.0	SS+
LATHAM	L 1094 E3	E3	R	1.0	SS+
LOYAL	L0830E	E3	R	0.8	CMBV,SA
LOYAL	L1030E	E3	R	1.0	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
NK BRAND	S10-E3	E3	R	1.0	CMBV,SA
PIONEER	P11A44X CK	RRX	R	1.1	NA
PROSEED	EL20-73	E3	R	0.7	NA
PROSEED	EL21-03	E3	R	1.0	NA
RENK	RS100NX	RRX	R	1.0	EcTC
STINE	06EC23 §	E3	R	0.6	NA
STINE	09EA02 §	E3	R	0.9	NA
STINE	10EC20 §	E3	R	1.0	NA
THUNDER	SB8009N	RRX	R	0.9	NA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
THUNDER	SB8010N	RRX	R	1.0	NA
THUNDER	SB8807N	RRX	R	0.7	NA
THUNDER	TE7107N	E3	R	0.7	NA
THUNDER	TE7110N	E3	R	1.0	NA
TITAN PRO	10E0	E3	R	1.0	SA,A,R,G
ZINESTO	Z0601E	E3	R	0.6	NA
ZINESTO	Z0701E	E3	R	0.7	NA
ZINESTO	Z0801E	E3	R	0.8	NA
ZINESTO	Z1001E	E3	R	1.0	NA

2020 Soybeans - Red River South North Dakota & Minnesota [RRSO]

Full-Season Test Products (33 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE1210S	E3	R	1.2	CMBV,SA
APEX	AE1300	E3	R	1.3	CMBV,SA
ASGROW	AG11X8 §	RRX	R	1.1	NA
ASGROW	AG14X8 §	RRX	R	1.4	NA
CREDENZ	CZ 1139GTLL	LLGT27	MR	1.1	PV,IL,OB
CREDENZ	CZ 1280GTLL	LLGT27	MR	1.2	PV,IL,OB
CREDENZ	CZ 1331GTLL	LLGT27	R	1.3	PV,IL,OB
CREDENZ	CZ 1470GTLL	LLGT27	MR	1.4	PV,IL,OB
DYNA-GRO	S11EN40	E3	R	1.1	EQV,SA
DYNA-GRO	S14EN90	E3	R	1.4	EQV,SA
GENESIS	G1250ES	E3	R	1.2	CMBV,SA
GENESIS	G1340E	E3	R	1.3	CMBV,SA
GOLDEN HARVEST	GH1225X	RRX	R	1.2	CMBV,SA
HEFTY	H14X1	RRX	R	1.4	HCS
LATHAM	L 1192 E3	E3	R	1.1	SS+
LATHAM	L 1392 E3	E3	R	1.3	SS+
LATHAM	L 1429 LLGT27	LLGT27	R	1.4	SS+
LOYAL	L1320E	E3	R	1.3	CMBV,SA
NK BRAND	S12-R3	RR2Y	R	1.2	CMBV,SA
NK BRAND	S12-T2X	RRX	MR	1.2	CMBV,SA
NK BRAND	S13-E3 §	E3	MR	1.3	CMBV,SA
NK BRAND	S14-U9X	RRX	MR	1.4	CMBV,SA
PIONEER	P11A44X CK	RRX	R	1.1	NA
PROSEED	EL21-23	E3	R	1.2	NA
PROSEED	EL91-33	E3	R	1.3	NA
THUNDER	SB8012N	RRX	R	1.2	NA
THUNDER	TE7011N	E3	R	1.1	NA
THUNDER	TE7013N	E3	R	1.3	NA
TITAN PRO	13E9	E3	R	1.3	SA,A,R,G
TITAN PRO	13GL0	LLGT27	R	1.3	SA,A,R,G
ZINESTO	Z1101E	E3	R	1.1	NA
ZINESTO	Z1301G	LLGT27	R	1.3	NA
ZINESTO	Z1401E	E3	R	1.4	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.