

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

2020 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]
MOORETON, ND

Tim Fenske, Richland County, ND 58075

Early-Season Test	0.6 - 0.9 Day CRM S2020RRSO02a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Armezon Pro, Atrazine
SOIL DESCRIPTION:	Galchutt silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 6.7 pH, 3.6% OM, 21.4 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Fierce Ez, Makaze, Medal Ec
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 21 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 128.7 /A

TEST COMMENTS:

Wet conditions this spring made for difficult planting into previous corn ground. Planting conditions were hard with lumps, but Tim took a rock roller over the field to help press seed in. At harvest, plants were moderately short but very bushy with many pods. Tim said that heavy rain this summer affected bean yields through the area, with some beans being very poor and some being very good. This field did pretty well.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CREDENZ	CZ 0729GTLL	LLGT27	0.7	MR	50.0	9.3	0	132.7	472	1
NK BRAND	S09-D4X	RRX	0.9	S	47.9	9.4	0	130.3	452	2
GENESIS	G0690GL	LLGT27	0.6	R	46.9	10.0	0	132.3	442	3
LATHAM	L 0739 R2X	RRX	0.7	R	46.7	8.9	0	132.0	440	4
NK BRAND	S10-E3	E3	1.0	R	46.0	9.4	3	127.7	434	5
THUNDER	SB8807N	RRX	0.7	R	45.9	9.2	0	127.0	433	6
LATHAM	L 0785 E3	E3	0.7	R	45.6	9.4	0	127.3	430	7
ASGROW	AG08X0 §	RRX	0.8	R	45.1	9.3	0	125.3	425	8
STINE	09EA02 §	E3	0.9	R	44.0	9.2	1	128.3	415	9
HEFTY	H09X1	RRX	0.9	R	43.6	8.8	0	129.0	411	11
THUNDER	TE7110N	E3	1.0	R	43.4	9.3	0	131.3	409	12
ZINESTO	Z1001E	E3	1.0	R	43.3	9.3	0	127.7	408	13
GENESIS	G0850E	E3	0.8	R	43.1	9.1	0	129.0	406	14
ZINESTO	Z0601E	E3	0.6	R	43.0	8.5	0	126.7	405	15
NK BRAND	S07-Q4X §	RRX	0.7	MR	42.6	8.9	0	128.3	402	16
STINE	06EC23 §	E3	0.6	R	42.6	9.0	0	125.7	402	17
HEFTY	H07X0	RRX	0.7	R	42.5	9.1	0	128.3	401	18
LATHAM	L 0852 LLGT27	LLGT27	0.8	S	42.5	8.6	0	128.3	401	19
RENK	RS100NX	RRX	1.0	R	42.5	8.8	0	131.0	401	20
LOYAL	L0830E	E3	0.8	R	42.3	9.0	0	128.3	399	21
HEFTY	H10X0	RRX	1.0	R	42.2	8.9	0	127.3	398	22
STINE	10EC20 §	E3	1.0	R	42.1	8.9	0	126.0	397	23
THUNDER	SB8009N	RRX	0.9	R	41.7	9.3	0	128.7	393	24
NK BRAND	S09-3E3	E3	0.9	NA	41.6	8.9	0	126.7	392	25
APEX	AE0810	E3	0.8	R	41.2	9.4	0	130.3	389	26
ZINESTO	Z0801E	E3	0.8	R	40.7	9.4	0	131.7	384	27
APEX	AE0710	E3	0.7	R	40.5	9.2	0	130.3	382	28
GENESIS	G0750E	E3	0.7	R	40.5	9.3	3	129.0	382	29
DYNA-GRO	S09EN41	E3	0.9	R	40.4	9.0	0	129.7	381	30
GOLDEN HARVEST	GH0749X	RRX	0.7	MR	39.8	8.6	0	128.0	375	31
PIONEER	P11A44X CK	RRX	1.1	R	44.0	9.4	0	125.3	415	10

Averages = **41.4** **9.1** **0** **128.7** **390**

LSD (0.10) = 5.5 ns ns

LSD (0.25) = 2.9 ns ns

C.V. = 12.7

Historic yield: new site

Luke Brendemuhl

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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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PEST MANAGEMENT:	Fierce Ez, Makaze, Medal Ec
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SEEDED - RATE - ROW:	May 21 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 129.0 /A

TEST COMMENTS:

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Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ASGROW	AG11X8 §	RRX	1.1	R	47.0	9.2	0	130.3	443	1
ZINESTO	Z1101E	E3	1.1	R	46.2	9.3	0	130.3	436	2
APEX	AE1210S	E3	1.2	R	45.8	9.0	0	128.3	432	3
GENESIS	G1250ES	E3	1.2	R	45.8	9.3	0	130.0	432	4
ASGROW	AG14X8 §	RRX	1.4	R	45.6	9.6	0	128.3	430	5
CREDENZ	CZ 1139GTLL	LLGT27	1.1	MR	44.7	9.6	0	129.0	422	7
NK BRAND	S12-R3	RR2Y	1.2	R	43.7	9.4	0	128.7	412	8
THUNDER	TE7011N	E3	1.1	R	43.6	8.9	0	128.3	411	9
DYNA-GRO	S11EN40	E3	1.1	R	43.3	9.1	0	129.3	408	10
PROSEED	EL21-23	E3	1.2	R	43.2	9.3	1	130.7	407	11
LATHAM	L 1429 LLGT27	LLGT27	1.4	R	42.6	9.3	3	128.3	402	12
HEFTY	H14X1	RRX	1.4	R	42.3	9.4	0	128.3	399	13
THUNDER	SB8012N	RRX	1.2	R	41.8	9.1	0	131.0	394	14
TITAN PRO	13GL0	LLGT27	1.3	R	41.0	10.5	0	127.7	387	15
LATHAM	L 1192 E3	E3	1.1	R	40.4	9.1	0	127.3	381	16
TITAN PRO	13E9	E3	1.3	R	40.3	8.9	3	131.3	380	17
NK BRAND	S12-T2X	RRX	1.2	MR	39.7	8.9	0	128.7	374	18
ZINESTO	Z1401E	E3	1.4	R	39.6	8.7	0	129.3	373	19
GOLDEN HARVEST	GH1225X	RRX	1.2	R	39.2	9.1	0	128.3	370	20
CREDENZ	CZ 1470GTLL	LLGT27	1.4	MR	39.1	9.3	0	129.0	369	21
LATHAM	L 1392 E3	E3	1.3	R	38.7	8.9	1	131.0	365	22
THUNDER	TE7013N	E3	1.3	R	38.6	9.3	0	129.0	364	23
CREDENZ	CZ 1280GTLL	LLGT27	1.2	MR	38.2	8.8	0	130.7	360	24
ZINESTO	Z1301G	LLGT27	1.3	R	38.2	10.0	0	130.3	360	25
GENESIS	G1340E	E3	1.3	R	38.1	8.8	1	128.7	359	26
DYNA-GRO	S14EN90	E3	1.4	R	38.1	9.3	0	128.0	359	27
NK BRAND	S14-U9X	RRX	1.4	MR	37.9	8.7	0	128.0	357	28
LOYAL	L1320E	E3	1.3	R	37.7	8.8	0	128.0	356	29
CREDENZ	CZ 1331GTLL	LLGT27	1.3	R	37.7	9.7	0	126.7	356	30
PROSEED	EL91-33	E3	1.3	R	37.0	9.3	0	129.3	349	31
PIONEER	P11A44X CK	RRX	1.1	R	45.2	9.0	0	128.0	426	6

Averages = **40.8** **9.2** **1** **129.0** **385**

LSD (0.10) = 4.6 0.5 ns

LSD (0.25) = 2.4 0.3 ns

C.V. = 10.8

Historic yield: new site

Luke Brendemuhl

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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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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.