

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

2020 Soybeans Top 30 Harvest Report

Red River North North Dakota & Minnesota [RRNO]
WARREN, MN

Nathan Potechek, Marshall County, MN 56760

All-Season Test

0.4 - 0.7 Day CRM
S2020RRNO03

Top 30 of 58

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

PREV. CROP/HERB:

Wheat / Husky

SOIL DESCRIPTION:

Wheatville sandy loam, mod.
poorly drained, non-irrigated

SOIL CONDITION:

very low P, low K, 8.1 pH, 3.3%
OM, 22.2 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 31 140.0 /A 30" spacing

HARVESTED - STAND:

Oct 7 130.3 /A

TEST COMMENTS:

Wet conditions delayed this site from being planted earlier than it was. This plot and surrounding area was very wet in the months of June/July, but once August came around there was very little precipitation until harvest. Top pods on some varieties did not fill, or had small beans. The plots yield was consistent with surrounding areas average BPA.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GOLDEN HARVEST	GH00833E3	E3	00.8	MR	43.7	22.6	0	128.7	402	1
THUNDER	SB87009	RRX	00.9	S	34.7	8.9	0	131.0	327	2
LATHAM	L 0124 R2X	RRX	0.1	NA	33.4	8.7	0	130.3	315	3
DYNA-GRO	S009XT68	RRX	00.9	S	32.9	8.8	0	132.7	310	4
THUNDER	SB8104N	RRX	0.4	R	32.5	9.8	0	129.0	306	5
DYNA-GRO	S04XT91	RRX	0.4	MR	32.5	10.6	0	130.3	306	6
GOLDEN HARVEST	GH0325E3 §	E3	0.3	MR	32.4	9.1	0	129.3	306	7
THUNDER	TE7003N	E3	0.3	R	32.1	8.9	0	130.7	303	8
ASGROW	AG02X8 §	RRX	0.2	S	32.0	8.9	0	129.7	302	9
DAHLMAN	6004XN	RRX	0.4	MR	31.9	10.6	0	131.3	301	10
ASGROW	AG008X1 §	RRX	00.8	R	31.6	9.3	0	129.0	298	11
LOYAL	L0320E	E3	0.3	R	31.6	9.0	0	131.7	298	12
STINE	03EB02 §	E3	0.3	R	31.2	9.8	0	128.7	294	13
PROSEED	EL90-33N	E3	0.3	R	30.9	9.0	0	130.0	291	14
LATHAM	L 0293 E3	E3	0.2	R	30.8	9.6	0	130.7	290	15
STINE	01EA63 §	E3	0.1	S	30.7	9.7	0	129.0	290	16
ZINESTO	Z0200E	E3	0.2	R	30.6	10.0	0	132.0	289	17
THUNDER	ASTRO	RR2Y	00.8	S	30.4	10.5	0	129.0	287	18
NK BRAND	S04-Q7X	RRX	0.4	MR	30.3	9.5	0	130.7	286	19
GENESIS	G0340E	E3	0.3	R	30.3	9.1	0	130.7	286	20
DAHLMAN	6903XN	RRX	0.3	R	30.3	8.7	0	131.7	286	21
APEX	AE0300	E3	0.3	R	30.2	10.2	0	128.7	285	22
GOLDEN HARVEST	GH0443X	RRX	0.4	MR	29.8	9.5	0	131.3	281	23
NK BRAND	S03-E3	E3	0.3	MR	29.3	9.8	0	129.7	276	24
LATHAM	L 0425 E3	E3	0.4	S	29.2	9.4	0	129.3	275	25
HEFTY	H04E8	E3	0.4	S	29.1	9.0	0	131.0	274	26
NK BRAND	S02-E3	E3	0.2	S	29.0	9.1	0	129.7	273	27
LATHAM	L 0225 E3	E3	0.2	S	28.7	9.2	0	130.7	271	28
NORTHSTAR	NS 90334E3	E3	0.3	S	28.6	8.7	0	130.7	270	29
NORTHSTAR	NS 60264NXR2	RRX	0.2	MR	28.6	8.6	0	130.3	270	30

Averages = **27.9** **10.0** **0** **130.3** **262**

LSD (0.10) = 4.2 1.3 ns

LSD (0.25) = 2.2 0.7 ns

Luke Brendemuhl

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C.V. = 14.2

Historic yield: 39.6 bu/a, 1 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$9.43

Report Date: 10/08/2020

† 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 North North Dakota & Minnesota [RRNO]

All-Season Test Products (58 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE0300	E3	R	0.3	CMBV,SA
ASGROW	AG007X0 §	RRX	R	00.7	NA
ASGROW	AG008X1 §	RRX	R	00.8	NA
ASGROW	AG02X8 §	RRX	S	0.2	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
DAHLMAN	1102E3N	E3	R	0.2	IS
DAHLMAN	6004XN	RRX	MR	0.4	Untreated
DAHLMAN	6903XN	RRX	R	0.3	Untreated
DYNA-GRO	S009XT68	RRX	S	00.9	EQV,SA
DYNA-GRO	S03XT29	RRX	R	0.3	EQV,SA
DYNA-GRO	S04XT91	RRX	MR	0.4	EQV,SA
GENESIS	G0340E	E3	R	0.3	CMBV,SA
GOLDEN HARVEST	GH00833E3	E3	MR	00.8	CMBV,SA
GOLDEN HARVEST	GH0145X	RRX	S	0.1	CMBV,SA
GOLDEN HARVEST	GH0325E3 §	E3	MR	0.3	CMBV,SA
GOLDEN HARVEST	GH0443X	RRX	MR	0.4	CMBV,SA
HEFTY	H006X0	RRX	R	0.1	HCS
HEFTY	H008E1	E3	R	0.1	HCS
HEFTY	H01X0	RRX	S	0.1	HCS
HEFTY	H02E1	E3	R	0.2	HCS
HEFTY	H04E8	E3	S	0.4	HCS
HEFTY	H04X0	RRX	R	0.4	HCS
LATHAM	L 0124 R2X	RRX	NA	0.1	SS+
LATHAM	L 0225 E3	E3	S	0.2	SS+
LATHAM	L 0282 R2X	RRX	R	0.2	SS+
LATHAM	L 0293 E3	E3	R	0.2	SS+
LATHAM	L 0425 E3	E3	S	0.4	SS+
LATHAM	L 0438 R2X	RRX	R	0.4	SS+
LOYAL	L0320E	E3	R	0.3	CMBV,SA
NK BRAND	S007-Y4 §	RR2Y	S	00.5	CMBV,SA
NK BRAND	S008-E3	E3	MR	00.8	CMBV,SA
NK BRAND	S01-C4X §	RRX	S	0.1	CMBV,SA
NK BRAND	S02-E3	E3	S	0.2	CMBV,SA
NK BRAND	S02-F9X	RRX	S	0.2	CMBV,SA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
NK BRAND	S03-E3	E3	MR	0.3	CMBV,SA
NK BRAND	S03-S6X	RRX	S	0.3	CMBV,SA
NK BRAND	S04-Q7X	RRX	MR	0.4	CMBV,SA
NORTHSTAR	NS 60264NXR2	RRX	MR	0.2	NA
NORTHSTAR	NS 90094E3	E3	S	0.1	NA
NORTHSTAR	NS 90334E3	E3	S	0.3	NA
PROSEED	EL 80-093	E3	S	00.9	NA
PROSEED	EL90-33N	E3	R	0.3	NA
PROSEED	XT20-07	RRX	R	0.1	NA
PROSEED	XT80-20N	RRX	R	0.2	NA
STINE	01EA63 §	E3	S	0.1	NA
STINE	03EB02 §	E3	R	0.3	NA
THUNDER	ASTRO	RR2Y	S	00.8	NA
THUNDER	SB8001	RRX	S	0.1	NA
THUNDER	SB8104N	RRX	R	0.4	NA
THUNDER	SB87009	RRX	S	00.9	NA
THUNDER	SB8903N	RRX	R	0.3	NA
THUNDER	TE7003N	E3	R	0.3	NA
THUNDER	TE71008N	E3	R	00.8	NA
THUNDER	TE7101N	E3	R	0.1	NA
ZINESTO	Z0200E	E3	R	0.2	NA
ZINESTO	Z0400G	LLGT27	S	0.4	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
EQV,SA	Equity VIP, Saltro
HCS	Hefty Complete Soybeans
IS	INTEGO® Suite
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SS+	SoyShield Plus
Untreated	No seed treatment

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