

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

2020 Soybeans Top 30 Harvest Report

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

Matthew Krueger, Polk County, MN 56721

All-Season Test	0.4 - 0.7 Day CRM S2020RRNO04
Top 30 of 58	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, 8.1 pH, 3.7% OM, 31.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Fierce Ez, Makaze, Medal Ec
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 29 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 130.4 /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 there were many top pods that had smaller beans.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ASGROW	AG008X1 §	RRX	00.8	R	47.2	10.0	0	130.3	445	1
THUNDER	SB87009	RRX	00.9	S	46.0	10.1	0	130.7	434	2
NK BRAND	S03-E3	E3	0.3	MR	45.8	9.8	0	129.3	432	3
THUNDER	TE7003N	E3	0.3	R	45.1	10.2	0	130.7	425	4
DYNA-GRO	S009XT68	RRX	00.9	S	44.7	10.0	0	130.7	422	5
LATHAM	L 0293 E3	E3	0.2	R	44.0	10.1	0	132.0	415	6
APEX	AE0300	E3	0.3	R	43.9	10.0	0	130.0	414	7
GOLDEN HARVEST	GH0325E3 §	E3	0.3	MR	43.8	10.0	0	129.7	413	8
PROSEED	XT20-07	RRX	0.1	R	43.3	10.0	0	131.7	408	9
DYNA-GRO	S03XT29	RRX	0.3	R	43.2	9.8	0	129.7	407	10
PROSEED	EL 80-093	E3	00.9	S	43.1	10.1	0	130.3	406	11
LATHAM	L 0225 E3	E3	0.2	S	43.0	10.0	0	130.7	405	12
THUNDER	SB8903N	RRX	0.3	R	42.8	10.0	0	129.7	404	13
PROSEED	EL90-33N	E3	0.3	R	42.6	9.8	0	130.7	402	14
NORTHSTAR	NS 60264NXR2	RRX	0.2	MR	42.5	9.8	0	131.7	401	15
LOYAL	L0320E	E3	0.3	R	42.5	9.9	0	130.7	401	16
THUNDER	ASTRO	RR2Y	00.8	S	42.5	10.1	0	130.3	401	17
THUNDER	SB8104N	RRX	0.4	R	42.4	10.3	0	132.3	400	18
GENESIS	G0340E	E3	0.3	R	42.4	9.9	0	130.0	400	19
NK BRAND	S02-E3	E3	0.2	S	42.2	9.9	0	131.3	398	20
NORTHSTAR	NS 90094E3	E3	0.1	S	42.0	9.9	0	132.7	396	21
HEFTY	H008E1	E3	0.1	R	41.9	9.9	0	130.0	395	22
ZINESTO	Z0200E	E3	0.2	R	41.9	10.1	0	132.0	395	23
DAHLMAN	6903XN	RRX	0.3	R	41.8	10.0	0	131.0	394	24
GOLDEN HARVEST	GH0145X	RRX	0.1	S	41.6	9.9	0	127.7	392	25
NORTHSTAR	NS 90334E3	E3	0.3	S	41.6	9.8	0	129.7	392	26
DYNA-GRO	S04XT91	RRX	0.4	MR	41.5	10.2	0	130.7	391	27
NK BRAND	S008-E3	E3	00.8	MR	41.4	9.9	0	132.7	390	28
HEFTY	H04X0	RRX	0.4	R	41.2	10.2	0	127.0	389	29
ASGROW	AG02X8 §	RRX	0.2	S	41.2	9.9	0	128.7	389	30

Averages = **41.0** **9.9** **0** **130.4** **386**

LSD (0.10) = 2.3 0.5 ns

LSD (0.25) = 1.2 0.3 ns

Luke Brendemuhl

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C.V. = 5.4

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

† 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.