

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

2020 Soybeans Top 30 Harvest Report

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

Jackson Klein, Kittson County, MN 56728

All-Season Test	0.4 - 0.7 Day CRM S2020RRNO02
Top 30 of 58	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Sugarbeet / Roundup
SOIL DESCRIPTION:	Northcote clay, poorly drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 7.9 pH, 5.9% OM, 44.8 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 23 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 130.2 /A

TEST COMMENTS:

Planting was delayed in this area due to wet conditions carrying over from last season. The plot was planted into a previous Sugarbeet field that was unable to be harvested last fall due to inclement weather. This area of Minnesota was pounded with high volumes of rain throughout June/July, with this plot getting an estimated 30 inches of rain during the growing season. Depending on the field, yields were ranging from 10 BPA to 30 BPA. Due to high variability with low yields, the test data was rejected.

Company/Brand	Product/Brand	Treatment	RR	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand in 2020 #/A	Gross Income \$/Acre	Rank
ZNESTO	ZNESTO	LL0727	0.4	0	18.8	10.5	0	130.5	179	1
GOLDEN HARVEST	GH000003	E3	0.1	NR	18.7	20.2	0	129.5	172	2
LATHAM	L 1025 E3	E3	0.4	0	17.8	10.5	0	131.5	163	3
ZNESTO	ZNESTO	E3	0.2	R	16.4	10.5	0	128.5	155	4
CREEDENCE	CE 000000LL	LL0727	0.5	R	15.6	10.5	0	127.5	147	5
NR BRAND	NR-E3	E3	0.3	NR	15.7	10.5	0	131.5	138	6
LATHAM	L 1025 E3	E3	0.2	0	15.5	10.5	0	130.5	135	7
NR BRAND	NR-GTX	NRX	0.4	NR	15.5	10.5	0	130.5	130	8
DYNA-GRO	SWAT701	NRX	0.5	NR	15.0	10.5	0	130.5	123	9
CREEDENCE	CE 000000LL	LL0727	0.4	R	12.9	10.5	0	128.5	121	10
THUNDER	TE7010N	E3	0.1	R	12.7	10.5	0	131.5	118	11
HEFTY	HE000	E3	0.4	0	12.5	10.5	0	127.5	117	12
DAVLEMAN	NR000N	NRX	0.3	R	12.3	10.5	0	128.5	116	13
GOLDEN HARVEST	GH000003	E3	0.3	NR	12.1	10.5	0	128.5	115	14
HEFTY	HE000	NRX	0.1	R	11.7	10.5	0	128.5	114	15
CREEDENCE	CE 000000LL	LL0727	0.5	NR	11.9	10.5	0	132.5	111	16
NR BRAND	NR-E3	E3	0.1	R	11.8	10.5	0	128.5	111	17
THUNDER	TE7010N	E3	0.1	R	11.7	10.5	0	131.5	110	18
THUNDER	SWAT701	NRX	0.4	R	11.5	10.5	0	130.5	108	19
DYNA-GRO	SWAT701	NRX	0.3	R	10.5	10.5	0	128.5	99	20
STINE	ST0000	E3	0.1	0	10.4	10.5	0	128.5	98	21
PROCEED	PR0000	E3	0.3	R	10.4	10.5	0	131.5	98	22
THUNDER	NRX	E3	0.3	R	10.4	10.5	0	131.5	97	23
STINE	ST0000	E3	0.3	R	10.3	10.5	0	128.5	96	24
HEFTY	HE000	E3	0.2	R	10.2	10.5	0	128.5	96	25
LATHAM	L 1025 R0N	NRX	0.2	R	10.1	10.5	0	131.5	95	26
GOLDEN HARVEST	GH000003	NRX	0.4	NR	9.8	10.5	0	130.5	92	27
THUNDER	SWAT701	NRX	0.1	0	9.4	10.5	0	132.5	89	28
DAVLEMAN	TH000N	E3	0.2	R	9.4	10.5	0	130.5	89	29
LATHAM	L 1025 R0N	NRX	0.4	R	9.1	10.5	0	129.5	88	30

Averages = **9.3** **10.7** **0** **130.2** **87**

LSD (0.10) = 4.2 0.3 ns

LSD (0.25) = 2.2 0.2 ns

C.V. = 34.7

Historic yield: new site

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$9.43

Report Date: 10/07/2020

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	None
ASGROW	AG008X1 §	RRX	R	00.8	None
ASGROW	AG02X8 §	RRX	S	0.2	None
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	0.1	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	None
NORTHSTAR	NS 90094E3	E3	S	0.1	None
NORTHSTAR	NS 90334E3	E3	S	0.3	None
PROSEED	EL 80-093	E3	S	00.9	None
PROSEED	EL90-33N	E3	R	0.3	None
PROSEED	XT20-07	RRX	R	0.1	None
PROSEED	XT80-20N	RRX	R	0.2	None
STINE	01EA63 §	E3	S	0.1	None
STINE	03EB02 §	E3	R	0.3	None
THUNDER	ASTRO	RR2Y	S	00.8	None
THUNDER	SB8001	RRX	S	0.1	None
THUNDER	SB8104N	RRX	R	0.4	None
THUNDER	SB87009	RRX	S	00.9	None
THUNDER	SB8903N	RRX	R	0.3	None
THUNDER	TE7003N	E3	R	0.3	None
THUNDER	TE71008N	E3	R	00.8	None
THUNDER	TE7101N	E3	R	0.1	None
ZINESTO	Z0200E	E3	R	0.2	None
ZINESTO	Z0400G	LLGT27	S	0.4	None

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**

CMBV,SA	Cruisemaxx, 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.