

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

2020 Soybeans Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE]
Kragnes, MN

WCD Brendemuhl Farms, Curtis Brendemuhl, Clay County,
MN 56560

All-Season Test	0.2 - 0.9 Day CRM S2020RRCE01
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Wheat / Widematch
SOIL DESCRIPTION:	Fargo silty clay, poorly drained, non-irrigated
SOIL CONDITION:	low P, high K, 5.6 pH, 5.9% OM, 36.9 CEC
TILLAGE/CULTIVATION:	Minimum W/ 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 2 130.1 /A

TEST COMMENTS:

This plot was planted into good field conditions and had adequate moisture when required. An early frost in the first week of September caused the top end yield to suffer, with a greater impact in later varieties. Top pods on most varieties were either empty or had very small beans. Some varieties had green stems at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK BRAND	S05-E3	E3	0.5	MR	44.5	10.6	0	129.3	420	1
THUNDER	TE7005N	E3	0.5	R	44.3	11.0	0	130.3	418	2
GENESIS	G0380GL	LLGT27	0.3	R	43.5	10.6	0	129.3	410	3
LATHAM	L 0852 LLGT27	LLGT27	0.8	S	43.3	11.1	0	129.7	408	4
STINE	03EB02 §	E3	0.3	R	42.9	10.4	0	127.0	405	5
ASGROW	AG02X8 §	RRX	0.2	S	42.5	9.9	0	132.7	401	6
THUNDER	SB8104N	RRX	0.4	R	42.5	10.5	0	130.7	401	7
ZINESTO	Z0501E	E3	0.5	R	42.4	10.6	0	128.7	400	8
LATHAM	E 0624 LLGT27	LLGT27	0.6	S	42.3	11.6	0	130.3	399	9
ZINESTO	Z0601E	E3	0.6	R	42.2	10.6	0	129.7	398	10
THUNDER	SB8805N	RRX	0.5	R	42.0	10.0	0	129.0	396	11
LATHAM	L 0982 R2	RR2Y	0.9	R	42.0	12.8	0	130.7	396	12
LATHAM	L 0595 E3	E3	0.5	R	41.5	10.7	0	130.7	391	13
LATHAM	L 0739 R2X	RRX	0.7	R	41.2	10.3	0	127.7	389	14
GOLDEN HARVEST	GH0443X	RRX	0.4	MR	41.2	10.2	0	128.7	389	15
NK BRAND	S05-2E3 §	E3	0.5	S	41.1	10.0	0	131.7	388	16
ASGROW	AG08X0 §	RRX	0.8	R	40.9	11.1	0	132.3	386	17
LOYAL	L0320E	E3	0.3	R	40.8	9.8	0	130.0	385	18
NK BRAND	S05-N5X §	RRX	0.5	S	40.7	10.4	0	130.0	384	19
NK BRAND	S09-3E3	E3	0.9	NA	40.4	11.0	0	130.3	381	20
DYNA-GRO	S07XT28	RRX	0.7	R	40.3	10.9	0	131.0	380	21
GENESIS	G0850E	E3	0.8	R	40.1	12.1	0	130.0	378	22
THUNDER	TE7003N	E3	0.3	R	40.0	10.1	0	129.0	377	23
PROSEED	XT80-20N	RRX	0.2	R	40.0	9.8	0	131.7	377	24
HEFTY	H09X0	RRX	0.9	R	40.0	12.6	0	130.7	377	25
CREDENZ	CZ 0729GTLL	LLGT27	0.7	MR	39.9	11.5	0	129.3	376	26
PROSEED	EL90-53N	E3	0.5	R	39.5	10.6	0	130.0	372	27
ZINESTO	Z0801E	E3	0.8	R	39.5	11.8	0	129.7	372	28
LOYAL	L0830E	E3	0.8	R	39.5	11.7	0	128.0	372	29
THUNDER	SB8906N	RRX	0.6	R	39.4	10.3	0	131.3	372	30

Averages = **38.7** **10.6** **0** **130.1** **365**

LSD (0.10) = 2.8 0.8 ns

LSD (0.25) = 1.5 0.4 ns

Luke Brendemuhl

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C.V. = 6.9

Historic yield: 34.6 bu/a, 1 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$9.43

Report Date: 10/02/2020

† 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 Central North Dakota & Minnesota [RRCE]

All-Season Test Products (63 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
ASGROW	AG02X8 §	RRX	S	0.2	NA
ASGROW	AG05X9 §	RRX	R	0.5	NA
ASGROW	AG08X0 §	RRX	R	0.8	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
CREDENZ	CZ 0661GTLL	LLGT27	R	0.6	PV,IL,OB
CREDENZ	CZ 0729GTLL	LLGT27	MR	0.7	PV,IL,OB
DYNA-GRO	S07EN61	E3	R	0.7	EQV,SA
DYNA-GRO	S07XT28	RRX	R	0.7	EQV,SA
DYNA-GRO	S09XT50	RRX	R	0.9	EQV,SA
GENESIS	G0380GL	LLGT27	R	0.3	EcTC
GENESIS	G0690GL	LLGT27	R	0.6	EcTC
GENESIS	G0750E	E3	R	0.7	CMBV,SA
GENESIS	G0850E	E3	R	0.8	CMBV,SA
GOLDEN HARVEST	GH0443X	RRX	MR	0.4	CMBV,SA
GOLDEN HARVEST	GH0715E3 §	E3	R	0.7	CMBV,SA
GOLDEN HARVEST	GH0749X	RRX	MR	0.7	CMBV,SA
HEFTY	H02E1	E3	R	0.2	HCS
HEFTY	H04E8	E3	S	0.4	HCS
HEFTY	H04X0	RRX	R	0.4	HCS
HEFTY	H07X0	RRX	R	0.7	HCS
HEFTY	H09X0	RRX	R	0.9	HCS
LATHAM	E 0624 LLGT27	LLGT27	S	0.6	SS+
LATHAM	L 0595 E3	E3	R	0.5	SS+
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 0883 R2X	RRX	R	0.8	SS+
LATHAM	L 0982 R2	RR2Y	R	0.9	SS+
LOYAL	L0320E	E3	R	0.3	CMBV,SA
LOYAL	L0830E	E3	R	0.8	CMBV,SA
NK BRAND	S04-Q7X	RRX	MR	0.4	CMBV,SA
NK BRAND	S05-2E3 §	E3	S	0.5	CMBV,SA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
NK BRAND	S05-E3	E3	MR	0.5	CMBV,SA
NK BRAND	S05-N5X §	RRX	S	0.5	CMBV,SA
NK BRAND	S07-E3	E3	MR	0.7	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
PIONEER	P09A53X GC	RRX	NA	0.9	NA
PROSEED	EL20-73	E3	R	0.7	NA
PROSEED	EL90-53N	E3	R	0.5	NA
PROSEED	XT20-70	RRX	R	0.7	NA
PROSEED	XT80-20N	RRX	R	0.2	NA
STINE	03EB02 §	E3	R	0.3	NA
STINE	06EC23 §	E3	R	0.6	NA
STINE	09EA02 §	E3	R	0.9	NA
THUNDER	SB8104N	RRX	R	0.4	NA
THUNDER	SB8805N	RRX	R	0.5	NA
THUNDER	SB8807N	RRX	R	0.7	NA
THUNDER	SB8903N	RRX	R	0.3	NA
THUNDER	SB8906N	RRX	R	0.6	NA
THUNDER	TE7003N	E3	R	0.3	NA
THUNDER	TE7005N	E3	R	0.5	NA
THUNDER	TE7107N	E3	R	0.7	NA
TITAN PRO	07E0	E3	R	0.7	SA,A,R,G
ZINESTO	Z0501E	E3	R	0.5	NA
ZINESTO	Z0601E	E3	R	0.6	NA
ZINESTO	Z0701E	E3	R	0.7	NA
ZINESTO	Z0801E	E3	R	0.8	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.