

2017 Soybean Top 30 Harvest Report

Red River Valley Central [RRCE] MOORHEAD
Curtis Brendemuhl, Clay County, MN 56560



Test by: Brendemuhl Seed Research, LLC, Moorhead, MN

PREV. CROP/HERB: Corn / Capreno, atrazine
SOIL DESCRIPTION: Fargo silty clay, poor drained, non-irrigated
SOIL CONDITIONS: Low P, very high K, 6.9 pH, 4.9% OM, 30.1 CEC
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Authority MTZ, Dual II Magnum, Lorsban, glyphosate
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 11 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 9 133,700 /A

All-Season Test
Maturity Group 0.2 - 0.9
S2017RRCE01

Top 30 of 60

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

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	L0982R2	RR2Y	0.9	R	56.7	9.2	3	136.7	\$498	1
Dyna-Gro	S07RY45	RR2Y	0.7	R	55.9	9.2	4	133.9	\$491	2
Prairie Brand	PB-0777R2	RR2Y	0.7	R	55.0	9.2	7	131.6	\$483	3
Peterson Seed	13R03 GC	RR2Y	0.3	S	53.9	9.0	2	133.9	\$474	4
Mustang	08X028	RRX	0.8	R	53.6	9.2	5	134.4	\$471	5
Stine	09RI62 §	RR2Y	0.9	R	53.4	9.2	2	131.6	\$469	6
Latham	L0739R2X	RRX	0.7	R	53.4	9.2	3	133.0	\$469	7
Dairyland	DSR-0988/R2Y	RR2Y	0.9	R	53.4	9.1	7	133.9	\$469	8
Hefty	H08X8	RRX	0.8	R	53.3	9.3	2	136.3	\$469	9
Thunder	3408R2YN	RR2Y	0.8	R	52.3	9.1	10	132.5	\$460	10
Dyna-Gro	S07XT28	RRX	0.7	R	52.0	9.2	6	135.8	\$457	11
Renk	RS084NR2	RR2Y	0.8	R	51.6	9.2	4	131.6	\$454	12
Peterson Seed	17X09N GC	RRX	0.9	R	51.5	9.3	2	135.3	\$453	13
Mustang	06X628	RRX	0.6	R	51.4	9.1	2	129.7	\$452	14
Latham	L0838R2	RR2Y	0.8	R	50.7	9.0	2	136.7	\$446	15
Proseed	PX706N	RRX	0.6	R	50.6	9.3	2	133.5	\$445	16
Hefty	H06X8	RRX	0.6	R	50.5	9.3	3	136.3	\$444	17
Renk	RS078NX	RRX	0.7	R	50.2	9.0	1	133.5	\$441	18
Asgrow	AG06X8 §	RRX	0.6	R	50.1	9.3	5	131.1	\$440	19
Latham	L0858R2X	RRX	0.8	R	50.0	9.2	2	136.3	\$440	20
Proseed	PX707N	RRX	0.7	R	49.3	9.2	1	131.1	\$433	21
Hefty	H09X7	RRX	0.9	R	49.3	9.2	3	132.5	\$433	22
Thunder	SB8807N	RRX	0.7	R	49.1	9.2	5	131.1	\$432	23
Legacy Seeds	LS-0646RR2	RR2Y	0.6	S	48.7	9.3	1	132.1	\$428	24
REA	RX0628	RRX	0.6	R	48.7	8.9	3	133.0	\$428	25
Latham	L0535R2X	RRX	0.5	MR	48.6	8.9	7	134.4	\$427	26
Latham	L0938EXGT	BG	0.9	R	48.4	9.3	1	134.4	\$425	27
Asgrow	AG02X8 §	RRX	0.2	S	47.5	8.8	1	135.8	\$418	28
Prairie Brand	PB-0578R2	RR2Y	0.5	MR	47.5	9.2	2	134.4	\$418	29
Dairyland	DSR-0807/R2Y	RR2Y	0.8	S	47.5	9.1	3	129.3	\$418	30

Averages = **48.0** **9.1** **3** **133.7** **\$422**

LSD (0.10) = 2.9 0.1 3.0

LSD (0.25) = 1.5 0.1 1.6

Luke Brendemuhl

luke.brendemuhl@firstseedtests.com, (218) 790-4497

C.V. = 5.7

Prev. years avg. yield, 37.6 bu/a, 3 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.79 GMO; \$8.79 non-GMO

TEST COMMENTS: *The test site in Moorhead had its challenges this year. This summer was on the dry side with very minimal rain between the second week of August through mid-September. The site also received pea sized hail in mid-June, but fortunately the small size and the lack of wind during the hail event caused minimal damage. All things considered, this test site still yielded very well.*

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

Additional reports available at www.firstseedtests.com

©2017, all rights reserved by Elite Field Genetics, LLC

Report Date: 10/10/2017 Revised:

2017 Soybean - Red River Valley Central [RRCE]

All-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG02X8 §	RRX	0.2	S	ACi	REA	RX0516	RRX	0.5	R	ACi
Asgrow	AG03X7 §	RRX	0.3	R	ACi	REA	RX0628	RRX	0.6	R	ACi
Asgrow	AG06X8 §	RRX	0.6	R	ACi	Renk	RS033R2	RR2Y	0.3	S	None
Dairyland	DSR-0807/R2Y	RR2Y	0.8	S	CMB	Renk	RS058NX	RRX	0.5	R	None
Dairyland	DSR-0988/R2Y	RR2Y	0.9	R	CMB	Renk	RS078NX	RRX	0.7	R	AM,IL
Dyna-Gro	S05XT88	RRX	0.5	MR	EQV	Renk	RS084NR2	RR2Y	0.8	R	EcTC
Dyna-Gro	S07RY45	RR2Y	0.7	R	EQV	Stine	03RD66 §	RR2Y	0.3	S	SFI
Dyna-Gro	S07XT28	RRX	0.7	R	EQV	Stine	09RI62 §	RR2Y	0.9	R	SFI
Golden Harvest	GH0391 §	RR2Y	0.3	MR	CCB,Me	Thunder	3408R2YN	RR2Y	0.8	R	CMB
Golden Harvest	GH0674X §	RRX	0.6	S	CCB,Me	Thunder	3503R2Y	RR2Y	0.3	S	CMB
Hefty	H02X7	RRX	0.2	S	None	Thunder	3505R2YN	RR2Y	0.5	R	CMB
Hefty	H03X7	RRX	0.3	R	None	Thunder	3606R2YN	RR2Y	0.6	R	CMB
Hefty	H03X8	RRX	0.3	R	DST	Thunder	SB8703	RRX	0.3	S	CMB
Hefty	H04X8	RRX	0.4	R	DST	Thunder	SB8805N	RRX	0.5	R	CMB
Hefty	H06X8	RRX	0.6	R	DST	Thunder	SB8807N	RRX	0.7	R	CMB
Hefty	H08X8	RRX	0.8	R	DST						
Hefty	H09X7	RRX	0.9	R	DST						
Latham	L0438R2X	RRX	0.4	R	CCB,Me						
Latham	L0485R2	RR2Y	0.4	R	CCB,Me						
Latham	L0535R2X	RRX	0.5	MR	CCB,Me						
Latham	L0739R2X	RRX	0.7	R	SS+						
Latham	L0838R2	RR2Y	0.8	R	SS+						
Latham	L0858R2X	RRX	0.8	R	CCB,Me						
Latham	L0938EXGT	BG	0.9	R	SS+						
Latham	L0982R2	RR2Y	0.9	R	SS+						
Legacy Seeds	LS-0646RR2	RR2Y	0.6	S	F,G						
Mustang	04X728	RRX	0.4	R	F,I						
Mustang	06X628	RRX	0.6	R	F,I						
Mustang	08X028	RRX	0.8	R	F,I						
NK Brand	S03-S6X §	RRX	0.3	S	CCB,Me						
NorthStar	NS 60442NXR2 §	RRX	0.4	R	CCB						
Peterson Seed	13R03 GC	RR2Y	0.3	S	ACi						
Peterson Seed	17X04N GC	RRX	0.4	R	ACi						
Peterson Seed	17X09N GC	RRX	0.9	R	ACi						
Pioneer	P05A93X §	RRX	0.5	R	EE,G						
Pioneer	P06A45X §	RRX	0.6	R	EE,G						
Pioneer	P08A72X §	RRX	0.8	R	EE,G						
Prairie Brand	PB-0397R2	RR2Y	0.3	S	CMB						
Prairie Brand	PB-0578R2	RR2Y	0.5	MR	CMB						
Prairie Brand	PB-0777R2	RR2Y	0.7	R	CMB						
Proseed	PX706N	RRX	0.6	R	CMB						
Proseed	PX707N	RRX	0.7	R	CMB						
Proseed	XT60-04N	RRX	0.4	R	CMB						
REA	RX0228	RRX	0.2	R	ACi						
REA	RX0327	RRX	0.3	R	ACi						

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2 [®] brand seed is distributed by NuTech Seed, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPM [®] brand seed is distributed by AgVenture, Inc. XL [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , RPM [®] , Supreme EX [®] , VPM [®] and XL [®] are registered trademarks of DuPont Pioneer.
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 Technologies

BG	Balance™ GT
LL	LibertyLink [®]
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity [®] Roundup Ready 2 Yield [®]
RRX	Roundup Ready 2 Xtend [®]
ST	Sulfonylurea herbicide tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybean Seed Treatments*

?	information unavailable	Gr+	Great Start™ Max Plus
A2020	Alert 2020™	I	insecticide
AC	Acceleron [®] fungicide products	IL	ILeVO [®]
ACi	Acceleron [®] fungicide and insecticide products	In	Intego™ Solo
AG	ArmourGuard™	IS	Intego™ Suite
AM	ApronMaxx [®]	MAG	Maximum ArmourGuard™
ASfi	AgriShield [®] F+I	Me	Mertect [®]
AVB	Avicta [®] Complete Beans	Mg	Magnum ST™ (standard)
AVBV	Avicta [®] Complete Beans with Vibrance [®]	NCFI	N-Compass™ Plus F/I
CCB	Clariva™ Complete Beans	None	untreated
CI	Clariva™ pn	Pd	proTect D™
CMB	CruiserMaxx [®] Beans	Pdi	proTect D/I™
CMBV	CruiserMaxx [®] Beans with Vibrance [®]	PG+	Profit Guard +™
DPHB	DPH Boost [®]	PS	MAS Pro-Shield
DST	Dominance™ ST	PV	Poncho [®] /Votivo [®]
DX	Defend™ Extra	SDPI	Servo™ DPI
EcTC	Eclipse™ US Total coverage	SFI	Stine XP fungicide & insecticide
EE	Evergol™ Energy	SS	Soyshield™
EL	Elevate™ F+I	SS+	Soyshield Plus™
ELV	Elevate™ VIP (F+I+N)	SStd	SureStand™
En	Encase [®]	TE	Trius Elite™
EQV	Equity [®] VIP	TT	Turbo Treat™
Es	Escalate™	W	Warden [®] CX
F	fungicide	Wr	Warden [®] RTA
G	Gaicho [®]	YPP	YP Pro™

* Seed treatments may include unspecified plant health promoting components.