

2017 Soybean Top 30 Harvest Report

Red River Valley North [RRNO] ARGYLE

Tim Osowski, Marshall County, MN 56713



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

PREV. CROP/HERB: Wheat / Husky Complete
 SOIL DESCRIPTION: Fargo silty clay, poor drained, non-irrigated
 SOIL CONDITIONS: Very high P, very high K, 8.0 pH, 4.7% OM, 36.6 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Roundup PowerMax
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 12 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 7 134,500 /A

All-Season Test
Maturity Group 0.07 - 0.4
 S2017RRNO03

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
REA	RX0327	RRX	0.3	R	46.2	11.0	4	134.9	\$406	1
Dyna-Gro	S04XT77	RRX	0.4	R	44.2	10.9	1	133.5	\$389	2
Dairyland	DST00-003/R2Y	RR2Y	0.0	S	44.2	10.9	1	134.9	\$389	3
Hefty	H04X8	RRX	0.4	R	44.2	11.2	2	133.0	\$389	4
Stine	03RD66 §	RR2Y	0.3	S	43.8	11.1	1	134.9	\$385	5
Dairyland	DSR-C918/R2Y	RR2Y	0.09	S	43.8	11.2	2	134.4	\$385	6
REA	RX0228	RRX	0.2	R	43.3	10.9	2	136.7	\$381	7
Proseed	XT60-04N	RRX	0.4	R	43.2	11.0	3	135.8	\$380	8
Latham	L0485R2	RR2Y	0.4	R	42.9	11.2	4	135.3	\$377	9
Hefty	H009X7	RRX	0.09	S	42.4	10.8	3	133.0	\$373	10
Hefty	H03X7	RRX	0.3	R	42.2	10.7	2	135.3	\$371	11
Dairyland	DSR-0225/R2Y	RR2Y	0.2	S	42.1	11.2	2	134.9	\$370	12
Proseed	50-10	RR2Y	0.1	S	42.0	11.1	3	133.5	\$369	13
Asgrow	AG02X8 §	RRX	0.2	S	41.7	11.2	1	134.9	\$367	14
Pioneer	P03T68R2 §	RR2Y	0.3	MR	41.7	11.1	3	137.2	\$367	15
Dairyland	DSR-0418/R2Y	RR2Y	0.4	R	41.5	11.9	3	134.9	\$365	16
NorthStar	NS 0111R2 GC	RR2Y	0.1	S	41.3	10.9	3	134.4	\$363	17
Prairie Brand	PB-0146R2	RR2Y	0.1	R	41.2	11.0	1	133.0	\$362	18
Stine	01RE00 §	RR2Y	0.1	S	41.2	11.2	4	135.3	\$362	19
Latham	L0235R2	RR2Y	0.2	S	41.0	10.7	1	133.0	\$360	20
Hefty	H008X8	RRX	0.08	R	41.0	11.2	3	135.8	\$360	21
NorthStar	NS 60442NXR2 GC	RRX	0.4	R	40.6	10.9	2	135.3	\$357	22
Mustang	04X728	RRX	0.4	R	40.6	11.1	3	135.3	\$357	23
Prairie Brand	PB-00856R2	RR2Y	0.09	R	40.5	11.3	3	133.9	\$356	24
Proseed	XT60-09	RRX	0.09	S	40.4	11.2	1	132.5	\$355	25
Hefty	H02X7	RRX	0.2	S	40.1	11.3	4	134.9	\$352	26
Latham	L0124R2X	RRX	0.1	S	40.0	10.9	1	134.4	\$352	27
Latham	L0263R2X	RRX	0.2	S	39.9	11.1	3	135.8	\$351	28
REA	R00727	RR2Y	0.07	S	39.8	11.2	2	136.3	\$350	29
Asgrow	AG03X7 §	RRX	0.3	R	39.7	10.6	1	131.1	\$349	30

Averages = **39.9** **11.0** **2** **134.5** **\$350**

LSD (0.10) = 2.7 0.6 1.3

LSD (0.25) = 1.4 0.3 1.2

Luke Brendemuhl

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C.V. = 6.4

Prev. years avg. yield, 46.0 bu/a, 1 yr

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

TEST COMMENTS: *This test site had an excellent stand and looked great early on. During mid-summer observations, we noticed quite a few varieties had large numbers of pods containing 4 beans. Overall, the test site received slightly above average rainfall through late August. September rainfall was quite limited. Tim, our host grower, indicated that the field surrounding the test averaged around 40 bu/acre.*

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

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Report Date: 10/08/2017 Revised:

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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	AG008X7 §	RRX	0.08	R	ACi	Proseed	XT60-04N	RRX	0.4	R	CMB
Asgrow	AG02X8 §	RRX	0.2	S	ACi	Proseed	XT60-09	RRX	0.09	S	CMB
Asgrow	AG03X7 §	RRX	0.3	R	ACi	REA	R00727	RR2Y	0.07	S	ACi
Dairyland	DSR-0225/R2Y	RR2Y	0.2	S	CMB	REA	RX00738	RRX	0.07	S	ACi
Dairyland	DSR-0418/R2Y	RR2Y	0.4	R	CMB	REA	RX0228	RRX	0.2	R	ACi
Dairyland	DSR-C918/R2Y	RR2Y	0.09	S	CMB	REA	RX0327	RRX	0.3	R	ACi
Dairyland	DST00-003/R2Y	RR2Y	0.0	S	CMB	Stine	01RE00 §	RR2Y	0.1	S	None
Dyna-Gro	S009XT68	RRX	0.09	S	EQV	Stine	03RD66 §	RR2Y	0.3	S	SFI
Dyna-Gro	S03RY36	RR2Y	0.3	S	EQV	Thunder	3503R2Y	RR2Y	0.3	S	CMB
Dyna-Gro	S04XT77	RRX	0.4	R	EQV	Thunder	36008R2YN	RR2Y	0.08	R	CMB
Golden Harvest	GH00866	RR2Y	0.08	S	CCB,Me	Thunder	3601R2Y	RR2Y	0.1	S	CMB
Golden Harvest	GH0145X	RRX	0.1	S	CCB,Me	Thunder	ASTRO	RR2Y	0.08	S	CMB
Hefty	H007X7	RRX	0.07	R	None	Thunder	SB87009	RRX	0.09	S	CMB
Hefty	H008X8	RRX	0.08	R	DST	Thunder	SB8703	RRX	0.3	S	CMB
Hefty	H009X7	RRX	0.09	S	None	Thunder	SB88007N	RRX	0.07	R	CMB
Hefty	H02X7	RRX	0.2	S	None						
Hefty	H03X7	RRX	0.3	R	None						
Hefty	H03X8	RRX	0.3	R	DST						
Hefty	H04X8	RRX	0.4	R	DST						
Latham	L0124R2X	RRX	0.1	S	CCB,Me						
Latham	L0143R2	RR2Y	0.1	S	SS+						
Latham	L0152R2	RR2Y	0.1	MR	SS+						
Latham	L0235R2	RR2Y	0.2	S	SS+						
Latham	L0256R2	RR2Y	0.2	S	SS+						
Latham	L0263R2X	RRX	0.2	S	SS+						
Latham	L0438R2X	RRX	0.4	R	CCB,Me						
Latham	L0485R2	RR2Y	0.4	R	CCB,Me						
Mustang	00X828	RRX	0.08	R	F,I						
Mustang	04X728	RRX	0.4	R	F,I						
NK Brand	S007-Y4 §	RR2Y	0.05	S	CCB,Me						
NK Brand	S009-J1 §	RR2Y	0.09	S	CCB,Me						
NK Brand	S01-C4X §	RRX	0.1	S	CCB,Me						
NorthStar	NS 0072R2 §	RR2Y	0.07	S	CCB						
NorthStar	NS 0090R2 GC	RR2Y	0.09	S	CCB						
NorthStar	NS 0111R2 GC	RR2Y	0.1	S	CCB						
NorthStar	NS 60082NXR2 GC	RRX	0.08	R	CCB						
NorthStar	NS 60092XR2 GC	RRX	0.09	S	CCB						
NorthStar	NS 60442NXR2 GC	RRX	0.4	R	CCB						
Pioneer	P007A90R §	RR	0.07	R	EE,G,IL						
Pioneer	P02A33X §	RRX	0.2	S	EE,G						
Pioneer	P03T68R2 §	RR2Y	0.3	MR	EE,G						
Prairie Brand	PB-00856R2	RR2Y	0.09	R	None						
Prairie Brand	PB-0146R2	RR2Y	0.1	R	CMB						
Proseed	50-10	RR2Y	0.1	S	CMB						
Proseed	PX7009N	RRX	0.09	R	CMB						

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	Gaucha [®]	YPP	YP Pro [™]

* Seed treatments may include unspecified plant health promoting components.