

2017 Soybean Top 30 Harvest Report
 Minnesota South [MNSO] JEFFERS
 Rick Quade, Cottonwood County, MN 56083



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / SureStart
 SOIL DESCRIPTION: Clarion loam, moderately drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.5 pH, 4.4% OM, 23.2 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Sonic, Roundup
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 14 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 20 126,700 /A

Early-Season Test
Maturity Group 1.6 - 1.9
 S2017MNSO05a

Top 30 of 48

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
Golden Harvest	GM18024	RR1	1.8	R	55.4	8.7	0	126.3	\$467	1
Thunder	TR18104	RR1	1.8	R	55.2	8.5	0	126.5	\$476	2
Federal	F22804024	RR1	2.0	R	54.7	8.2	0	126.2	\$474	3
Anderson	AN18117	RR1	1.8	RR	54.5	8.8	0	125.5	\$472	4
Golden Harvest	GM18024	RR1	1.8	R	54.5	8.1	0	126.8	\$472	5
Dalhousie	DF18114 GC	RR1	1.3	R	54.3	8.2	0	126.7	\$470	6
Wuesting	W1228	RR2J	1.8	R	54.0	8.8	0	126.3	\$468	7
Dura-Gro	D180114	RR2J	1.8	R	53.3	8.7	0	127.2	\$471	8
Rain	RR1801402	RR2J	1.8	R	53.2	8.5	0	127.1	\$470	9
Northing	NO181024 RR2	RR1	1.8	R	53.0	8.5	0	127.4	\$468	11
Prime Brand	PB181012	RR2J	1.8	R	52.8	8.5	0	127.4	\$468	12
Rain	RR18014	RR1	1.8	R	52.1	8.5	0	124.5	\$464	13
Latham	L170402	RR2J	1.7	R	51.8	8.8	0	121.1	\$462	14
Latham	L1804021	RR1	1.8	R	51.8	8.8	0	127.4	\$467	15
AgriGold	AG18104	RR1	1.8	R	51.7	8.7	0	126.3	\$464	16
Triax Pro	TP18024	RR2	1.8	R	51.3	8.7	0	126.3	\$462	17
Anderson	AN18117	RR1	1.8	R	51.3	8.8	0	126.3	\$462	18
Champion	CH1704	RR1	1.8	R	51.3	8.8	0	126.3	\$462	19
Holly	HO18104	RR1	1.8	R	51.2	8.7	0	125.5	\$461	20
Agrow	AG18014	RR1	1.8	R	51.1	8.7	0	126.8	\$460	21
Prime Brand	PB181012	RR2J	1.7	R	51.0	8.8	0	127.4	\$470	22
Dalhousie	DF18114 GC	RR1	1.8	R	50.7	8.6	0	126.4	\$477	23
Northing	NO181024 RR2	RR1	1.8	R	50.7	8.8	0	127.8	\$477	24
Triax Pro	TP18017	RR1	1.8	RR	50.5	8.7	0	126.3	\$475	25
Wuesting	W1228	RR1	1.8	R	50.5	8.8	0	126.2	\$475	26
Latham	L1804021	RR1	1.8	RR	50.3	8.8	0	126.2	\$475	27
Dura-Gro	D170117	RR2J	1.7	R	50.1	8.7	0	126.3	\$475	28
Wuesting	W1128	RR1	1.8	R	50.0	8.8	0	126.2	\$475	29
Prosear	P1812012 g	RR2J	1.8	R	49.7	8.8	0	126.3	\$467	30
Champion	CH1704	RR2J	1.8	R	49.5	8.8	0	124.5	\$465	31

DATA REJECTED

Mark Querna

Mark Querna
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Averages =	49.6	8.8	0	126.7	\$467
LSD (0.10) =	ns	0.3	ns		
LSD (0.25) =	ns	0.2	ns		
C.V. =	13.4				Prev. years avg. yield, 51.0 bu/a, 10 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$9.40 GMO; \$9.40 non-GMO

TEST COMMENTS: *Despite careful attention to wind directions and timing, all plots without the Xtend trait were visibly affected by dicamba spray drift. There may also have been contamination in the tank of the custom sprayer that applied straight Roundup in mid-July. SCN and wet soils further damaged plants in the Early test. This data is unreliable and is rejected.*

† 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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 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 14 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 20 128,700 /A

Full-Season Test
Maturity Group 2.0 - 2.3
 S2017MNSO5b

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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
Hoffy	H2287	RR3	2.0	R	52.8	8.8	0	128.7	\$495	1
Latham	L2184226	RR3	2.1	R	52.8	8.7	0	128.3	\$472	2
Champion	224776	RR3	2.1	R	52.2	8.8	0	127.4	\$468	3
Rank	RR20796	RR3	2.0	R	52.8	8.8	0	128.8	\$442	4
Agrow	RR2017 S	RR3	2.0	R	52.8	8.7	0	128.3	\$431	5
RR Brand	RR21188 S	RR3	2.1	R	52.5	8.7	0	128.8	\$430	6
Delmar	RR2228 SC	RR3	2.1	R	52.3	8.8	0	128.8	\$428	7
Muhlborg	224228	RR3	2.2	R	51.9	8.7	0	127.9	\$420	8
Anderson	217817	RR3	2.1	R	51.9	8.8	0	127.9	\$420	9
Agriband	RR22188	RR3	2.1	R	51.7	8.8	0	127.1	\$420	10
Champion	224686	RR3	2.0	R	51.2	8.7	0	128.3	\$418	11
Muhlborg	214127	RR3	2.1	R	51.1	8.7	0	127.8	\$417	12
Agriband	RR22188	RR3	2.2	R	51.1	8.8	0	128.7	\$414	13
Dura-Gro	RR21117	RR3	2.1	R	51.1	8.7	0	127.8	\$412	14
Rank	RR212482	RR2	2.0	R	51.1	8.8	0	128.7	\$410	15
Northrup	RR 42282482	RR3	2.0	R	51.1	8.7	0	127.8	\$410	16
Golden Harvest	RR22118	RR3	2.2	R	50.1	8.7	0	123.0	\$410	17
LS Seeds	RR22182	RR21	2.0	R	54.5	8.8	0	128.8	\$410	18
Federal	RR21117	RR3	2.1	R	54.1	8.7	0	127.8	\$408	19
Prime Brand	RR 21117	RR3	2.0	R	53.4	8.8	0	127.8	\$402	20
RR Brand	RR 21117 S	RR3	2.0	R	53.3	8.8	0	127.4	\$401	21
Hoffy	H2288	RR3	2.2	R	53.1	8.7	0	128.7	\$400	22
Dura-Gro	RR21118	RR3	2.0	R	53.1	8.1	0	128.3	\$400	23
Northrup	RR 422824	RR3	2.3	R	52.9	8.8	0	127.8	\$407	24
Northrup	RR 2121182	RR21	2.0	R	52.9	8.8	0	127.8	\$406	25
Thru-Pro	RR 20817	RR3	2.0	RR	52.9	8.1	0	127.4	\$406	26
Parson	RR21118 S	RR3	2.2	R	52.4	8.8	0	128.8	\$403	27
Federal	RR220824	RR3	2.2	R	52.2	8.7	0	128.7	\$401	28
Cornelius	RR21118	RR3	2.0	R	52.0	8.3	0	127.4	\$400	29
RR Brand	RR 21117 S	RR21	2.0	RR	51.8	8.7	0	128.7	\$407	30

DATA REJECTED

Mark Querna

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Averages =	52.6	8.8	0	128.7	\$495
LSD (0.10) =	5.9	0.2	ns		
LSD (0.25) =	4.1	0.1	ns		
C.V. =	8.2				Prev. years avg. yield, 51.0 bu/a, 10 yrs

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 Report Date: 10/25/2017 Revised:

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.