

2017 Soybean Top 30 Harvest Report

Minnesota Central [MNCE] STARBUCK
Jim Langman, Sr., Pope County, MN 56231



Test by: NewVenture, LLC, Ellendale, MN

PREV. CROP/HERB: Corn / Halex GT
SOIL DESCRIPTION: Hokans-Buse loam, moderately drained, non-irrigated
SOIL CONDITIONS: High P, medium K, 7.8 pH, 2.5% OM, 21.6 CEC
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Roundup PowerMax, Flexstar, Section, chlorpyrifos
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: Jun 1 140,000 /A 30" Spacing
HARVESTED - STAND: Oct 19 127,100 /A

All-Season Test
Maturity Group 1.3 - 2.0
S2017MNCE04

Top 30 of 72
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
Titan Pro	TP-14X27	RRX	1.4	MR	54.5	12.7	0	128.3	\$480	1
Anderson	153R2Y	RR2Y	1.5	R	52.6	12.2	0	134.1	\$463	2
Thunder	3614R2YN	RR2Y	1.4	R	52.5	12.1	0	108.9	\$462	3
Thunder	SB8818N	RRX	1.8	R	52.5	14.1	0	113.3	\$461	4
Hefty	H20X7	RRX	2.0	R	51.9	13.2	0	134.1	\$457	5
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	51.7	12.9	0	133.6	\$455	6
Titan Pro	TP-18X97	RRX	1.8	MR	51.5	13.6	0	127.8	\$453	7
Hefty	H14X8	RRX	1.4	R	51.4	12.7	0	128.3	\$452	8
Anderson	217RXT	RRX	2.1	R	51.2	12.3	0	135.0	\$451	9
Proseed	PX714N	RRX	1.4	R	50.4	12.4	0	134.6	\$444	10
NK Brand	S14-A6 §	RR2Y	1.4	R	50.1	10.4	0	133.6	\$441	11
Anderson	206R2Y	RR2Y	2.0	R	48.8	12.1	0	134.6	\$429	12
Anderson	185R2Y	RR2Y	1.8	R	48.6	12.3	0	134.1	\$428	13
Asgrow	AG20X7 §	RRX	2.0	R	48.5	12.4	0	133.1	\$427	14
Renk	RS188NX	RRX	1.8	R	48.3	13.1	0	133.1	\$425	15
Federal	F2170NR2X	RRX	2.1	R	48.3	13.2	0	130.7	\$425	16
Hefty	H16X8	RRX	1.6	R	48.2	11.0	0	124.9	\$424	17
Mustang	14X428	RRX	1.4	R	48.2	11.9	0	126.8	\$424	18
Dyna-Gro	S18XT38	RRX	1.8	MR	48.1	13.0	0	131.6	\$423	19
NorthStar	NS 1528NR2	RR2Y	1.5	R	48.0	14.0	0	131.6	\$421	21
Peterson Seed	17X21N GC	RRX	2.1	R	47.9	12.4	0	125.8	\$422	20
NK Brand	S14-B2X §	RRX	1.4	R	47.3	11.8	0	124.9	\$416	22
Hefty	H18X8	RRX	1.8	R	47.1	12.4	0	134.6	\$414	23
Renk	RS148NX	RRX	1.4	R	46.5	12.2	0	133.1	\$409	24
Proseed	PX716N	RRX	1.6	R	46.3	11.1	0	132.1	\$407	25
Anderson	188RXT	RRX	1.8	MR	46.2	12.8	0	128.3	\$407	26
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	46.1	12.2	0	134.1	\$406	27
Stine	20RD20 §	RR2Y	2.0	R	45.8	15.2	0	133.6	\$401	30
Hefty	H13X7	RRX	1.3	R	45.7	10.8	0	133.6	\$402	28
NK Brand	S18-G4X §	RRX	1.8	R	45.7	13.4	0	133.6	\$402	29

Averages = **42.3** **12.5** **0** **127.1** **\$372**

LSD (0.10) = 10.7 1.4 ns

LSD (0.25) = 5.6 0.7 ns

C.V. = 24.0 Prev. years avg. yield, 53.3 bu/a, 2 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.80 GMO; \$8.80 non-GMO

TEST COMMENTS: *Jim, our host grower, said that there was just too much rain in September and October. All the rain led to iron deficiency chlorosis (IDC) in all low spots in the test. IDC caused significant yield reductions in spots. However, varieties that were more tolerant to IDC yielded the same or better than the surrounding field. Yield variability is high in this test due to the IDC issues.*

† 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: 10/23/2017 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	Gaicho [®]	YPP	YP Pro™

* Seed treatments may include unspecified plant health promoting components.