

2016 Soybean Top 30 Harvest Report
 Minnesota South Central [MNSC] MADISON LAKE
 Mike Krenik, Le Sueur County, MN 56063



PREV. CROP/HERB: Corn / Harness, Status, Accent
 SOIL DESCRIPTION: Le Sueur loam, moderately drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.4 pH, 4.9 % OM, low SCN
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Flexstar GT
 SEEDED - RATE - ROW: May 22 140,200 /A 30" Spacing
 HARVESTED - STAND: Oct 21 131,100 /A

Early-Season Test
Maturity Group 1.5 - 1.8
 S2016MNSC08a

Top 30 of 42
 For Gross Income (Sorted by Yield)
 Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Prairie Brand	PB-1466R2	RR2Y	1.4	R	CCB,In	76.0	15.4	0	134.5	\$661
Asgrow	AG1636 §	RR2Y	1.6	R	ACi	73.0	14.8	0	130.3	\$636
Titan Pro	15M22	RR2Y	1.5	R	IS	72.2	14.7	0	131.0	\$629
Federal	F195NRR2Y	RR2Y	1.9	R	MAG	71.6	15.1	0	133.8	\$623
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	CMB	71.2	15.9	0	129.6	\$619
Latham	L1858R2	RR2Y	1.8	R	CCB,Me	71.0	14.4	0	126.8	\$619
Gold Country	1414 GC	RR2Y	1.4	R	ACi	70.8	14.4	0	131.0	\$618
Stine	17RH03 §	RR2Y	1.7	S	SFI	70.6	13.7	0	133.1	\$617
NorthStar	NS 1528NR2	RR2Y	1.5	R	None	70.6	15.5	0	133.8	\$614
Dahlman	5719NRR2Y GC	RR2Y	1.9	R	None	70.6	16.3	0	128.9	\$613
Channel	1308R2 GC	RR2Y	1.3	R	ACi	70.4	14.9	0	135.2	\$613
Renk	RS153NR2	RR2Y	1.5	R	CMBV	70.3	16.0	0	129.6	\$611
Latham	L1882R2	RR2Y	1.8	R	CCB,Me	68.3	14.1	0	131.7	\$596
Channel	1405R2 GC	RR2Y	1.4	R	ACi	68.3	17.2	0	130.3	\$592
NK Brand	S15-P1 §	RR2Y	1.5	MR	CCB,Me	68.1	15.2	0	132.4	\$593
Latham	E1584R2	RR2Y	1.5	R	SS+	67.8	14.8	0	126.8	\$591
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In	67.7	15.7	0	131.0	\$589
Anderson	153R2Y	RR2Y	1.5	R	None	67.6	14.4	0	134.5	\$590
Renk	RS187NR2	RR2Y	1.8	R	CMB	67.5	14.9	0	128.2	\$588
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	CMB	67.3	15.5	0	128.9	\$586
Anderson	185R2Y	RR2Y	1.8	R	None	67.1	14.3	0	132.4	\$585
Dahlman	5215NRR2Y GC	RR2Y	1.5	R	None	66.8	15.2	0	131.0	\$582
Hefty	H14R3	RR2Y	1.4	MR	DST	66.8	15.3	0	128.2	\$581
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	66.5	14.6	0	126.8	\$580
Pioneer	P18T26R2 §	RR2Y	1.8	R	None	65.9	16.4	0	133.8	\$572
Hefty	H16R6	RR2Y	1.6	MR	DST	65.9	17.8	0	131.7	\$570
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV	65.5	15.1	0	133.1	\$570
Channel	1808R2 GC	RR2Y	1.8	R	None	65.2	13.6	0	129.6	\$570
Titan Pro	TP-18R24	RR2Y	1.8	R	IS	64.9	16.4	0	132.4	\$563
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In	64.5	13.9	0	129.6	\$563
Channel	2108R2 CK	RR2Y	2.1	R	None	69.6	15.6	0	131.0	\$605

Mark Querna

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Averages =	66.9	15.2	0	131.1	\$583
LSD (0.10) =	6.6	ns	ns		
LSD (0.25) =	4.6	ns	ns		
C.V. =	5.9				Prev. years avg. yield, 54.4 bu/a, 9 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.75 GMO; \$8.75 non-GMO

TEST COMMENTS: Spring rains fully charged the soil profile, and plentiful rains continued throughout the season. Mike recorded his monthly rainfall totals as follows: April 2.78", May 2.82", June 6.49", July 8.12", Aug 7.19", Sept 10.74", and Oct 2.78", a total of 40.92". The soggy soils prevented record yields. The impact of waterhemp and excessive soil moisture forced us to remove 1 early-season test replication.

† 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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 SOIL CONDITIONS: High P, high K, 6.4 pH, 4.9 % OM, low SCN
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Flexstar GT
 SEEDED - RATE - ROW: May 22 140,200 /A 30" Spacing
 HARVESTED - STAND: Oct 21 131,400 /A

Full-Season Test
Maturity Group 1.9 - 2.2
 S2016MNSC08b

Top 30 of 45
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Asgrow	AG2035 §	RR2Y	2.0	R	ACi	73.1	14.3	0	132.0	\$638
Stine	20RD20 §	RR2Y	2.0	R	SFI	72.8	15.2	0	129.6	\$634
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me	70.2	13.9	0	132.9	\$613
Dahlman	5721NRR2Y GC	RR2Y	2.1	R	None	69.7	14.7	0	134.7	\$608
NorthStar	NS 1911NR2	RR2Y	1.9	R	CMBV	69.3	14.8	0	130.6	\$604
Pioneer	P22T69R §	RR	2.2	R	None	69.2	13.7	0	132.0	\$605
LG Seeds	C2255R2	RR2Y	2.2	R	CCB	67.7	14.7	0	129.6	\$590
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	67.0	14.5	0	131.5	\$584
Latham	L2084R2	RR2Y	2.0	R	CCB,Me	66.2	14.8	0	137.1	\$577
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB	65.8	13.8	0	129.6	\$575
Hefty	H20R3	RR2Y	2.0	MR	DST	65.8	14.8	0	133.4	\$573
Federal	F205NRR2Y	RR2Y	2.0	R	None	65.5	14.5	0	131.0	\$571
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In	65.4	15.0	0	134.3	\$570
Mustang	19726	RR2Y	1.9	R	NCFI	65.3	14.6	0	128.2	\$569
Stine	19RF32 §	RR2Y	1.9	R	SFI	65.2	14.4	0	132.0	\$569
Dyna-Gro	S21RY56	RR2Y	2.1	R	CMB	65.2	14.4	0	128.7	\$569
LG Seeds	C2020R2	RR2Y	2.0	R	CCB	65.1	15.2	0	135.7	\$567
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	65.0	15.0	0	128.2	\$566
Pioneer	P22T73R §	RR	2.2	R	EE,G	64.9	14.7	0	132.4	\$566
Pfister	21R205	RR2Y	2.1	R	CCB	64.9	14.7	0	130.6	\$566
Pfister	21R201	RR2Y	2.1	R	CCB	64.9	14.9	0	131.5	\$565
Federal	F226NRR2Y	RR2Y	2.2	R	None	64.8	14.7	0	125.9	\$565
Thunder	3619R2YN	RR2Y	1.9	R	CMB	64.5	14.0	0	130.1	\$563
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV	64.4	14.5	0	131.0	\$562
Latham	L2128R2	RR2Y	2.1	R	CCB,Me	64.3	15.1	0	133.8	\$560
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	63.9	14.6	0	135.2	\$557
Viking	2282R2N	RR2Y	2.2	R	CMBV	63.9	14.9	0	126.8	\$557
NK Brand	S21-M7 §	RR2Y	2.1	R	CCB,Me	63.6	14.6	0	132.0	\$554
Dyna-Gro	S20RY45	RR2Y	2.0	R	CCB	63.3	15.8	0	132.9	\$550
Anderson	205R2Y	RR2Y	2.0	R	None	63.2	14.7	0	132.0	\$551
Channel	2108R2 CK	RR2Y	2.1	R	None	68.3	14.3	0	134.3	\$596

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Averages =	64.4	14.7	0	131.4	\$562
LSD (0.10) =	5.0	ns	ns		
LSD (0.25) =	3.5	ns	ns		
C.V. =	5.8				Prev. years avg. yield, 54.4 bu/a, 9 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.75 GMO; \$8.75 non-GMO

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Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doeblers PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMmax® brand seed is distributed by AgVenture, Inc. XL® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMmax® 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

LL	LibertyLink®
None	Conventional, non-GMO
P	Plenish®
RR	glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Genuity® Roundup Ready 2 Xtend®
ST	sulfonylurea tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

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

Soybean Seed Treatments*

n/a	info unavailable	IL	ILeVO®
AC	Acceleron® fungicide products	In	Intego™ Solo
ACi	Acceleron® fungicide and insecticide products	IS	Intego™ Suite
AG	ArmourGuard™	MAG	Maximum ArmourGuard™
AM	ApronMaxx®	Me	Mertect®
AVB	Avicta® Complete Beans	Mg	Magnum ST™ (standard)
CCB	Clariva™ Complete Beans	NCFI	N-Compass™ Plus F/I
CI	Clariva™ pn	None	untreated
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	SDPI	Servo™ DPI
DPHB	DPH Boost®	SFI	Stine XP fungicide & insecticide
DST	Dominance™ ST	SS	Soyshield™
DX	Defend™ Extra	SS+	Soyshield Plus™
EE	Evergol™ Energy	SStd	SureStand™
En	Encase®	TE	Trius™ Elite
G	Gaucho®	WCX	Warden® CX
Gr+	Great Start™ Max Plus		

* Seed treatments may include unspecified plant health promoting components.