

2016 Soybean Top 30 Harvest Report
 Minnesota South Central [MNSC] WINTHROP
 Brian Pettis, Sibley County, MN 55396



PREV. CROP/HERB: Corn / TripleFlex, Roundup
 SOIL DESCRIPTION: Clarion, Canisteo loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Mod. High P, mod. high K, 6.7 pH, 6.2 % OM, low SCN
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Flexstar, Roundup twice
 SEEDED - RATE - ROW: May 20 140,200 /A 30" Spacing
 HARVESTED - STAND: Oct 24 131,600 /A

Early-Season Test
Maturity Group 1.5 - 1.8
 S2016MNSC07a

Top 30 of 42
 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
Dyna-Gro	S17RY06	RR2Y	1.7	MR	CCB	69.1	11.7	0	132.0	\$605
Pfister	18R201	RR2Y	1.8	R	CCB	68.6	11.8	0	130.1	\$600
Asgrow	AG1636 §	RR2Y	1.6	R	ACi	68.2	12.2	0	128.2	\$597
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In	67.9	11.6	0	132.0	\$594
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	67.8	12.1	0	128.7	\$593
Channel	1808R2 GC	RR2Y	1.8	R	None	67.5	12.1	0	132.4	\$591
Federal	F195NRR2Y	RR2Y	1.9	R	MAG	66.7	11.9	0	131.5	\$584
Dahlman	5719NRR2Y GC	RR2Y	1.9	R	None	66.0	11.6	0	129.6	\$578
Gold Country	1414 GC	RR2Y	1.4	R	ACi	65.9	12.3	0	132.9	\$577
Hefty	H16R6	RR2Y	1.6	MR	DST	65.7	12.6	0	132.0	\$575
Hefty	H18R5	RR2Y	1.8	MR	Mg	65.5	12.1	0	129.6	\$573
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In	65.2	11.6	0	132.9	\$571
Titan Pro	TP-18R24	RR2Y	1.8	R	IS	65.1	12.0	0	132.4	\$570
Pioneer	P18T26R2 §	RR2Y	1.8	R	None	64.7	12.1	0	131.0	\$566
Latham	L1858R2	RR2Y	1.8	R	CCB,Me	64.4	11.6	0	132.0	\$564
Hefty	H14R3	RR2Y	1.4	MR	DST	64.2	12.1	0	131.5	\$562
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	CMB	63.6	12.4	0	134.3	\$557
Dyna-Gro	S17RY67	RR2Y	1.7	R	CCB	63.5	12.0	0	132.0	\$556
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB	63.4	11.8	0	129.2	\$555
Latham	E1584R2	RR2Y	1.5	R	SS+	63.4	12.4	0	131.0	\$555
Latham	E1748R2	RR2Y	1.7	R	CCB,Me	63.3	11.8	0	131.5	\$554
Anderson	185R2Y	RR2Y	1.8	R	None	63.2	12.0	0	132.9	\$553
Channel	1405R2 GC	RR2Y	1.4	R	ACi	63.2	12.2	0	131.5	\$553
Renk	RS187NR2	RR2Y	1.8	R	CMB	63.1	12.0	0	129.6	\$552
Prairie Brand	PB-1466R2	RR2Y	1.4	R	CCB,In	63.0	12.4	0	131.0	\$551
Stine	17RH03 §	RR2Y	1.7	S	SFI	62.6	12.2	0	130.6	\$548
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV	62.5	12.7	0	132.4	\$547
NorthStar	NS 1528NR2	RR2Y	1.5	R	None	62.4	12.1	0	130.1	\$546
NK Brand	S15-P1 §	RR2Y	1.5	MR	CCB,Me	62.4	12.5	0	132.4	\$546
Titan Pro	15M22	RR2Y	1.5	R	IS	62.2	12.5	0	133.8	\$544
Channel	2108R2 CK	RR2Y	2.1	R	None	62.0	12.0	0	130.1	\$543
Averages =						63.5	12.1	0	131.6	\$555
LSD (0.10) =						4.8	0.6	ns		
LSD (0.25) =						3.4	0.4	ns		
C.V. =						5.6				

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Prev. years avg. yield, 56.8 bu/a, 1 yr

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

TEST COMMENTS: *Plenty of rain fell here all growing season, with Brian reporting over 26" rainfall from Aug. 1 through harvest. This plot was planted on a north facing slope, with the full-season test located downslope from the early-season test. The difference in average yield and check yield between tests was noticeable, despite the slope continuing below the plot. Rain makes grain, but too much in heavy soils limits yield.*

† 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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 PEST MANAGEMENT: Flexstar, Roundup twice
 SEEDED - RATE - ROW: May 20 140,200 /A 30" Spacing
 HARVESTED - STAND: Oct 24 131,400 /A

Full-Season Test
Maturity Group 1.9 - 2.2
 S2016MNSC07b

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
Latham	L2128R2	RR2Y	2.1	R	CCB,Me	63.6	11.7	0	133.4	\$557
Pioneer	P22T69R §	RR	2.2	R	None	63.1	11.5	0	129.6	\$552
NorthStar	NS 1911NR2	RR2Y	1.9	R	CMBV	63.0	11.4	0	132.9	\$551
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	62.6	11.5	0	131.5	\$548
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me	62.4	11.0	0	134.3	\$546
Viking	2055R2N	RR2Y	2.0	R	CMBV	62.0	11.6	0	130.1	\$543
Anderson	206R2Y	RR2Y	2.0	R	None	61.6	11.6	0	130.1	\$539
Prairie Brand	PB-1956R2	RR2Y	1.9	R	CCB,In	61.2	11.7	0	131.0	\$536
Federal	F226NRR2Y	RR2Y	2.2	R	None	60.7	11.6	0	129.6	\$531
Stine	19RF32 §	RR2Y	1.9	R	SFI	60.4	11.7	0	129.2	\$529
Titan Pro	20M1	RR2Y	2.0	R	None	60.2	11.3	0	132.0	\$527
Latham	E1990R2	RR2Y	1.9	S	SS+	59.4	11.6	0	133.8	\$520
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB	59.3	11.7	0	131.5	\$519
Titan Pro	TP-20R25	RR2Y	2.0	R	IS	59.3	12.0	0	131.0	\$519
NorthStar	NS 1916NR2	RR2Y	1.9	R	CMBV	59.2	11.5	0	132.0	\$518
Federal	F205NRR2Y	RR2Y	2.0	R	None	59.1	11.9	0	130.6	\$517
Dyna-Gro	S21RY56	RR2Y	2.1	R	CMB	59.0	11.6	0	132.9	\$516
Asgrow	AG2035 §	RR2Y	2.0	R	ACi	58.4	11.9	0	129.2	\$511
Dairyland	DSR-2017/R2Y	RR2Y	2.0	R	CMB	58.3	11.3	0	130.6	\$510
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In	58.3	11.9	0	130.6	\$510
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	58.1	11.5	0	132.4	\$508
NK Brand	S21-M7 §	RR2Y	2.1	R	CCB,Me	57.9	11.6	0	133.4	\$507
Pfister	21R201	RR2Y	2.1	R	CCB	57.8	11.3	0	132.4	\$506
Dyna-Gro	S19RY65	RR2Y	1.9	R	CCB	57.8	11.5	0	130.6	\$506
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	57.7	11.9	0	131.5	\$505
LG Seeds	C2020R2	RR2Y	2.0	R	CCB	57.2	11.5	0	131.5	\$501
Pfister	19R24	RR2Y	1.9	R	CCB	57.2	12.1	0	130.1	\$501
LG Seeds	C2255R2	RR2Y	2.2	R	CCB	57.0	11.2	0	130.6	\$499
Dyna-Gro	S20RY45	RR2Y	2.0	R	CCB	57.0	11.5	0	132.4	\$499
Viking	2282R2N	RR2Y	2.2	R	CMBV	56.4	12.0	0	130.1	\$494
Channel	2108R2 CK	RR2Y	2.1	R	None	55.9	11.8	0	132.9	\$489

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Averages =	57.9	11.6	0	131.4	\$506
LSD (0.10) =	4.5	0.5	ns		
LSD (0.25) =	3.2	0.3	ns		
C.V. =	5.8				Prev. years avg. yield, 56.8 bu/a, 1 yr

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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2016 Soybean - Minnesota South Central [MNSC]

Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Anderson	153R2Y	RR2Y	1.5	R	None						
Anderson	175R2Y	RR2Y	1.7	R	None						
Anderson	185R2Y	RR2Y	1.8	R	None						
Asgrow	AG1636 §	RR2Y	1.6	R	ACi						
Channel	1308R2 GC	RR2Y	1.3	R	ACi						
Channel	1405R2 GC	RR2Y	1.4	R	ACi						
Channel	1808R2 GC	RR2Y	1.8	R	None						
Channel	2108R2 CK	RR2Y	2.1	R	None						
Dahlman	5215NRR2Y GC	RR2Y	1.5	R	None						
Dahlman	5719NRR2Y GC	RR2Y	1.9	R	None						
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	CMB						
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	CMB						
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB						
Dyna-Gro	S17RY06	RR2Y	1.7	MR	CCB						
Dyna-Gro	S17RY67	RR2Y	1.7	R	CCB						
Federal	F195NRR2Y	RR2Y	1.9	R	MAG						
Gold Country	1414 GC	RR2Y	1.4	R	ACi						
Hefty	H14R3	RR2Y	1.4	MR	DST						
Hefty	H16R6	RR2Y	1.6	MR	DST						
Hefty	H18R5	RR2Y	1.8	MR	Mg						
Latham	E1584R2	RR2Y	1.5	R	SS+						
Latham	E1748R2	RR2Y	1.7	R	CCB,Me						
Latham	L1858R2	RR2Y	1.8	R	CCB,Me						
Latham	L1882R2	RR2Y	1.8	R	CCB,Me						
LG Seeds	C1870R2	RR2Y	1.8	R	CCB						
NK Brand	S15-P1 §	RR2Y	1.5	MR	CCB,Me						
NorthStar	NS 1528NR2	RR2Y	1.5	R	None						
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV						
NorthStar	NS 1776NR2	RR2Y	1.7	R	CMBV						
Pfister	18R201	RR2Y	1.8	R	CCB						
Pioneer	P15T46R2 §	RR2Y	1.5	R	None						
Pioneer	P18T26R2 §	RR2Y	1.8	R	None						
Prairie Brand	PB-1466R2	RR2Y	1.4	R	CCB,In						
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In						
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In						
Renk	RS153NR2	RR2Y	1.5	R	CMBV						
Renk	RS175NR2	RR2Y	1.7	R	CMBV						
Renk	RS187NR2	RR2Y	1.8	R	CMB						
Stine	17RH03 §	RR2Y	1.7	S	SFI						
Titan Pro	15M22	RR2Y	1.5	R	IS						
Titan Pro	TP-17R54	RR2Y	1.7	R	None						
Titan Pro	TP-18R24	RR2Y	1.8	R	IS						

2016 Soybean - Minnesota South Central [MNSC]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Anderson	205R2Y	RR2Y	2.0	R	None						
Anderson	206R2Y	RR2Y	2.0	R	None						
Asgrow	AG1935 §	RR2Y	1.9	R	ACi						
Asgrow	AG2035 §	RR2Y	2.0	R	ACi						
Channel	2108R2 CK	RR2Y	2.1	R	None						
Dahlman	5721NRR2Y GC	RR2Y	2.1	R	None						
Dairyland	DSR-2017/R2Y	RR2Y	2.0	R	CMB						
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
Dyna-Gro	S19RY65	RR2Y	1.9	R	CCB						
Dyna-Gro	S20RY45	RR2Y	2.0	R	CCB						
Dyna-Gro	S21RY56	RR2Y	2.1	R	CMB						
Federal	F205NRR2Y	RR2Y	2.0	R	None						
Federal	F226NRR2Y	RR2Y	2.2	R	None						
Hefty	H20R3	RR2Y	2.0	MR	DST						
Latham	E1990R2	RR2Y	1.9	S	SS+						
Latham	L2084R2	RR2Y	2.0	R	CCB,Me						
Latham	L2128R2	RR2Y	2.1	R	CCB,Me						
Latham	L2228R2	RR2Y	2.2	R	CCB,Me						
LG Seeds	C2020R2	RR2Y	2.0	R	CCB						
LG Seeds	C2255R2	RR2Y	2.2	R	CCB						
Mustang	19726	RR2Y	1.9	R	NCFI						
NK Brand	S21-M7 §	RR2Y	2.1	R	CCB,Me						
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me						
NorthStar	NS 1911NR2	RR2Y	1.9	R	CMBV						
NorthStar	NS 1916NR2	RR2Y	1.9	R	CMBV						
NorthStar	NS 2111NR2	RR2Y	2.1	R	CMBV						
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV						
Pfister	19R24	RR2Y	1.9	R	CCB						
Pfister	21R201	RR2Y	2.1	R	CCB						
Pfister	21R205	RR2Y	2.1	R	CCB						
Pioneer	P22T69R §	RR	2.2	R	None						
Pioneer	P22T73R §	RR	2.2	R	EE,G						
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CCB,In						
Prairie Brand	PB-1956R2	RR2Y	1.9	R	CCB,In						
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In						
Renk	RS195NR2	RR2Y	1.9	R	CMBV						
Stine	19RF32 §	RR2Y	1.9	R	SFI						
Stine	20RD20 §	RR2Y	2.0	R	SFI						
Thunder	3619R2YN	RR2Y	1.9	R	CMB						
Titan Pro	20M1	RR2Y	2.0	R	None						
Titan Pro	22M12	RR2Y	2.2	R	None						
Titan Pro	TP-20R25	RR2Y	2.0	R	IS						
Titan Pro	TP-21R55	RR2Y	2.1	R	IS						
Viking	2055R2N	RR2Y	2.0	R	CMBV						
Viking	2282R2N	RR2Y	2.2	R	CMBV						

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. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaxx® 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.