

2016 Soybean Top 30 Performance Summary for Minnesota South Central [MNSC]



Early-Season Test

Maturity Group 1.5 - 1.8

S2016MNSCa

Top 30 of 42

For Gross Income (Sorted by Yield), (10) Replication Average

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Protein %	Oil %	Moisture %	Lodging %	Gross Income	Madison Lake‡	Tracy‡	Wabasso	Winthrop
Asgrow	AG1636 §	RR2Y	1.6	R	ACi	73.6	34.5	18.4	14.2	0	\$642	73.0	80.7	72.4	68.2
Channel	1405R2 GC	RR2Y	1.4	R	ACi	72.7	35.0	18.7	14.6	0	\$634	68.3	83.2	76.0	63.2
Federal	F195NRR2Y	RR2Y	1.9	R	MAG	72.6	34.4	18.7	13.9	0	\$634	71.6	77.1	75.1	66.7
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	72.5	35.1	18.5	13.8	0	\$633	66.5	85.2	70.4	67.8
Dahlman	5719NRR2Y GC	RR2Y	1.9	R	None	72.4	34.1	19.2	14.1	0	\$632	70.6	80.3	72.8	66.0
Renk	RS153NR2	RR2Y	1.5	R	CMBV	71.1	34.7	19.2	14.7	0	\$620	70.3	80.6	74.3	59.3
Titan Pro	15M22	RR2Y	1.5	R	IS	70.9	34.9	19.0	14.1	0	\$619	72.2	78.9	70.2	62.2
Gold Country	1414 GC	RR2Y	1.4	R	ACi	70.9	36.3	18.4	14.3	0	\$619	70.8	74.8	71.9	65.9
Latham	L1858R2	RR2Y	1.8	R	CCB,Me	70.6	34.3	18.7	13.5	0	\$617	71.0	77.6	69.3	64.4
NorthStar	NS 1528NR2	RR2Y	1.5	R	None	70.6	34.6	19.0	14.1	0	\$616	70.6	75.7	73.6	62.4
Hefty	H14R3	RR2Y	1.4	MR	DST	70.6	34.5	19.1	14.3	0	\$616	66.8	80.3	71.2	64.2
Prairie Brand	PB-1466R2	RR2Y	1.4	R	CCB,In	70.6	35.2	18.7	14.6	0	\$615	76.0	75.7	67.8	63.0
Hefty	H16R6	RR2Y	1.6	MR	DST	69.8	35.0	18.9	15.3	0	\$608	65.9	79.3	68.2	65.7
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In	69.6	34.4	18.6	14.3	0	\$607	67.7	78.2	64.7	67.9
NK Brand	S15-P1 §	RR2Y	1.5	MR	CCB,Me	69.5	34.8	18.8	14.6	0	\$606	68.1	76.4	71.0	62.4
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV	69.4	35.2	18.5	14.2	0	\$606	65.5	77.6	71.9	62.5
Stine	17RH03 §	RR2Y	1.7	S	SFI	69.1	35.2	18.3	13.8	0	\$604	70.6	74.8	68.4	62.6
Channel	1808R2 GC	RR2Y	1.8	R	None	68.9	34.7	18.6	13.6	0	\$602	65.2	72.5	70.5	67.5
Anderson	185R2Y	RR2Y	1.8	R	None	68.9	34.4	18.4	14.0	0	\$601	67.1	72.5	72.9	63.2
Latham	L1882R2	RR2Y	1.8	R	CCB,Me	68.9	34.3	18.4	14.1	0	\$601	68.3	74.5	72.4	60.3
Anderson	153R2Y	RR2Y	1.5	R	None	68.7	34.7	19.1	13.9	0	\$600	67.6	76.1	70.2	60.9
Titan Pro	TP-18R24	RR2Y	1.8	R	IS	68.7	34.5	18.5	14.6	0	\$599	64.9	74.7	70.1	65.1
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	CMB	68.7	34.4	19.3	14.7	0	\$599	71.2	72.3	67.7	63.6
Renk	RS187NR2	RR2Y	1.8	R	CMB	68.5	34.7	18.9	14.3	0	\$598	67.5	76.6	66.8	63.1
Latham	E1748R2	RR2Y	1.7	R	CCB,Me	68.4	33.8	19.0	14.8	0	\$596	63.4	77.7	69.3	63.3
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB	68.3	34.4	18.9	13.9	0	\$596	63.0	76.8	69.8	63.4
Pfister	18R201	RR2Y	1.8	R	CCB	68.3	34.5	18.5	13.9	0	\$596	63.5	74.2	66.8	68.6
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In	68.2	34.5	19.0	13.9	0	\$596	64.5	74.3	68.6	65.2
Hefty	H18R5	RR2Y	1.8	MR	Mg	68.0	34.2	18.6	14.3	0	\$593	58.9	75.4	72.3	65.5
Pioneer	P18T26R2 §	RR2Y	1.8	R	None	67.8	34.0	19.3	14.5	0	\$591	65.9	68.0	72.6	64.7
Channel	2108R2 CK	RR2Y	2.1	R	None	71.1	34.8	18.6	14.4	0	\$620	69.6	81.1	71.5	62.0

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Averages =	69.0	34.7	18.8	14.2	0	\$602	66.9	75.8	69.7	63.5
LSD (0.10) =	3.8	0.6	0.4	0.6	ns		6.6	5.3	5.5	4.8
LSD (0.25) =	2.7	0.4	0.3	0.4	ns		4.6	3.7	3.8	3.4

Previous years average yield for region, 53.2 bu/a, 14 yrs

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.020

Prices = \$8.75 GMO; \$8.75 non-GMO

† See last page for additional information. Dark shaded row identifies the check product found in early- and full-season tests. **Bold** results are significantly above test average by LSD (0.10). ns = not significantly different; ‡ = 2 reps.

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Report Date: 10/26/2016

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Protein and oil content results added

2016 Soybean Top 30 Performance Summary for Minnesota South Central [MNSC]



Full-Season Test

Maturity Group 1.9 - 2.2

S2016MNSCb

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For Gross Income (Sorted by Yield), (9) Replication Average

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Protein %	Oil %	Moisture %	Lodging %	Gross Income	Madison Lake	Tracy	Wabasso	Winthrop
NK Brand	S22-S1 \$	RR2Y	2.2	R	CCB,Me	68.8	33.9	18.3	13.0	0	\$602	70.2	73.9	64.8	62.4
Stine	19RF32 \$	RR2Y	1.9	R	SFI	67.8	34.3	18.5	13.1	0	\$593	65.2	77.7	56.6	60.4
Asgrow	AG2035 \$	RR2Y	2.0	R	ACi	67.5	35.2	18.7	13.2	0	\$590	73.1	71.1	58.0	58.4
Pioneer	P22T69R \$	RR	2.2	R	None	67.1	34.2	19.1	13.0	0	\$587	69.2	69.1	60.8	63.1
NorthStar	NS 1911NR2	RR2Y	1.9	R	CMBV	66.4	34.5	18.4	13.4	0	\$580	69.3	67.0	63.3	63.0
Anderson	206R2Y	RR2Y	2.0	R	None	66.1	34.9	18.5	13.5	0	\$578	63.1	73.5	59.2	61.6
Federal	F205NRR2Y	RR2Y	2.0	R	None	66.0	34.9	18.5	13.6	0	\$577	65.5	73.5	59.1	59.1
Stine	20RD20 \$	RR2Y	2.0	R	SFI	65.9	34.3	18.7	13.8	0	\$576	72.8	68.8	64.3	56.0
Latham	L2128R2	RR2Y	2.1	R	CCB,Me	65.8	35.4	17.3	13.4	0	\$575	64.3	69.4	63.9	63.6
Asgrow	AG1935 \$	RR2Y	1.9	R	ACi	65.8	35.0	18.4	13.5	0	\$575	65.0	69.8	63.3	62.6
LG Seeds	C2255R2	RR2Y	2.2	R	CCB	65.7	33.5	18.5	13.2	0	\$575	67.7	72.5	63.3	57.0
Federal	F226NRR2Y	RR2Y	2.2	R	None	65.7	33.5	19.2	13.3	0	\$574	64.8	71.7	61.5	60.7
Viking	2055R2N	RR2Y	2.0	R	CMBV	65.6	34.9	18.4	13.5	0	\$573	62.7	72.2	64.4	62.0
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	65.6	34.1	18.6	13.6	0	\$573	63.9	75.3	64.2	57.7
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	65.5	33.1	19.1	13.1	0	\$573	67.0	71.4	61.1	58.1
Prairie Brand	PB-1956R2	RR2Y	1.9	R	CCB,In	65.3	34.4	18.5	13.4	0	\$571	60.7	74.1	63.3	61.2
LG Seeds	C2020R2	RR2Y	2.0	R	CCB	65.1	34.6	18.6	13.4	0	\$569	65.1	73.0	66.1	57.2
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In	64.9	34.5	18.7	13.7	0	\$567	65.4	71.0	65.3	58.3
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB	64.7	34.9	17.7	13.0	0	\$566	65.8	69.1	64.2	59.3
Dyna-Gro	S21RY56	RR2Y	2.1	R	CMB	64.7	33.9	18.4	13.0	0	\$566	65.2	70.0	64.9	59.0
Dahlman	5721NRR2Y GC	RR2Y	2.1	R	None	64.5	34.4	18.9	13.3	0	\$564	69.7	68.1	63.2	55.8
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CCB,In	64.5	34.7	18.3	13.7	0	\$563	62.8	75.8	62.2	55.0
Dyna-Gro	S19RY65	RR2Y	1.9	R	CCB	64.4	34.7	18.4	12.9	0	\$564	62.8	72.7	69.1	57.8
NK Brand	S21-M7 \$	RR2Y	2.1	R	CCB,Me	64.4	34.0	18.5	13.4	0	\$563	63.6	71.7	64.0	57.9
Pfister	19R24	RR2Y	1.9	R	CCB	64.3	34.9	18.3	13.6	0	\$562	61.0	74.6	64.1	57.2
Titan Pro	TP-20R25	RR2Y	2.0	R	IS	64.2	33.9	18.8	13.9	0	\$561	63.0	70.3	66.6	59.3
Pfister	21R205	RR2Y	2.1	R	CCB	63.9	34.0	18.4	13.4	0	\$559	64.9	72.9	65.0	53.9
Hefty	H20R3	RR2Y	2.0	MR	DST	63.9	34.3	18.8	13.6	0	\$558	65.8	71.0	68.0	55.0
Latham	L2084R2	RR2Y	2.0	R	CCB,Me	63.8	34.6	18.8	13.4	0	\$558	66.2	71.0	60.4	54.2
Latham	E1990R2	RR2Y	1.9	S	SS+	63.6	34.3	18.6	13.0	0	\$557	62.2	69.2	63.2	59.4
Channel	2108R2 CK	RR2Y	2.1	R	None	64.5	34.8	18.7	13.5	0	\$564	68.3	69.2	62.7	55.9

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Averages =	64.3	34.3	18.6	13.4	0	\$562	64.4	70.7	59.1	57.9
LSD (0.10) =	4.1	0.8	1.9	0.5	ns		5.0	5.2	ns	4.5
LSD (0.25) =	2.9	0.6	1.4	0.3	ns		3.5	3.6	8.2	3.2

Previous years average yield for region, 53.2 bu/a, 14 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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Protein and oil content results added

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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

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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

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

?	Information not provided	DST	Dominance™ ST	Mg	Magnum ST™ (standard)
AC	Acceleron® fungicide products	DX	Defend™ Extra	NCFI	N-Compass™ Plus F/I
ACi	Acceleron® fungicide and insecticide products	EE	Evergol™ Energy	None	untreated
AG	ArmourGuard™	En	Encase®	PV	Poncho®/Votivo®
AM	ApronMaxx®	G	Gaucho®	SDPI	Servo™ DPI
AVB	Avicta® Complete Beans	Gr+	Great Start™ Max Plus	SFI	Stine XP fungicide & insecticide
CCB	Clariva™ Complete Beans	IL	ILeVO®	SS	Soyshield™
CI	Clariva™ pn	In	Intego™ Solo	SS+	Soyshield Plus™
CMB	CruiserMaxx® Beans	IS	Intego™ Suite	SStd	SureStand™
CMBV	CruiserMaxx® Beans with Vibrance	MAG	Maximum ArmourGuard™	TE	Trius™ Elite
DPHB	DPH Boost®	Me	Mertect®	WCX	Warden® CX

* Seed treatments may include unspecified plant health promoting components.