

2011 BETTER HYBRIDS Harvest Report for Minnesota South West [MNSW]

Rick Quade, Cottonwood County, MN 56083 [JEFFERS]

EARLY SEASON TEST
97 - 102 Day CRM

B1MNSW05a

PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Wilmonton clay loam, well drained, minimum w/ fall till, non-irrigated
 SOIL CONDITION: Moderate P, high K, 6.7 pH, 4.4% OM
 PEST MANAGEMENT: Force, Surpass
 FERTILITY - Applied N: 160 Fall, 17 Spring,
 Applied N-P-K (units): 177-40-25
 SEEDED - RATE: May 10 35,680 /A
 HARVESTED - STAND: Oct 6 32,300 /A

TOP 30 OF 72 FOR GROSS INCOME (SORTED BY YIELD)

AVERAGE of (2) REPLICATIONS

Company/Brand	Product/Brand	Technology [†]	IST ^{††}	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wensman	W 8294VT2PRO	VT2P	P250	99	194.5	16.0	0.0	32.8	1,162.1	2
Gold Country	101-77	VT3	P250	101	194.0	13.8	0.0	33.5	1,164.0	1
Wensman	W 7290VT3PRO	VT3P	P250	99	190.2	15.1	0.0	32.2	1,140.7	3
Jung	7475VT3	VT3	P500	100	186.0	15.3	0.5	34.2	1,114.6	4
Croplan	4033VT3PRO GC	VT3P	C250	100	184.0	15.5	0.0	31.5	1,101.7	5
Wensman	W 7320VT3PRO	VT3P	P250	101	183.8	16.1	0.0	32.1	1,097.7	7
Wyffels	W1831	VT3P	P250	97	183.6	14.6	0.0	33.5	1,101.6	6
Producers	5784VT3	VT3	P500,V	97	182.0	13.9	0.0	31.5	1,092.0	8
Gold Country	96-20	VT3P	P250	96	180.6	14.1	0.0	33.5	1,083.6	9
Producers	6044VT3	VT3	P250	100	179.4	18.5	0.0	34.9	1,060.7	11
Dyna-Gro	D37VP71	VT3P	P250	97	178.9	14.5	0.0	32.8	1,073.4	10
Dyna-Gro	V3883VT3	VT3	P250	98	176.5	13.6	0.5	26.7	1,059.0	12
Mustang	5808	STX	P500,V	98	175.7	13.7	2.0	32.1	1,054.2	13
Wyffels	W1941	VT3	P250	98	175.6	14.6	4.5	31.5	1,053.6	14
Viking	T61-98R	GT	C250	98	173.4	16.6	12.5	32.1	1,033.5	15
G2 Genetics	5H-502^*	HX,RR2	C250	102	172.7	16.2	0.5	33.5	1,031.0	16
Trelay	5ST192	STX	P500,V	98	172.7	16.6	0.0	32.2	1,029.3	17
Fielders Choice	NG6546	VT3	P250	100	171.0	13.5	0.0	32.1	1,026.0	18
Stine	9417VT3*	VT3	C250	100	170.9	13.7	2.0	32.1	1,025.4	19
G2 Genetics	5X-0001^	HXT,RR2	P1250,V	100	170.1	16.6	0.0	31.5	1,013.8	22
Channel	197-32VT3P	VT3P	P500,V	97	170.0	16.4	0.5	34.9	1,014.1	21
Gold Country	98-90	STX	P250	98	169.8	17.2	0.0	31.5	1,009.5	23
Gold Country	100-07	VT3	P250	100	169.3	14.5	0.0	31.5	1,015.8	20
LG Seeds	LG2478VT3Pro	VT3P	P500,V	97	167.2	14.3	0.0	32.8	1,003.2	24
Kruger	K-6102VT3	VT3	P500,V	102	166.9	14.8	0.5	32.1	1,001.4	25
Trelay	5VP688	VT3P	P500,V	101	166.9	16.0	0.5	34.2	997.2	26
Jung	7V546	VT3P	P500	102	166.8	16.3	2.0	32.8	995.4	28
Enestvedt	E6900	3000GT	C250	100	166.2	14.9	0.0	32.2	997.2	27
Dekalb	DKC50-66 GC	VT3	n/a	100	165.5	14.0	0.5	32.1	993.0	29
Dairyland	ST-9799	VT3	C250	99	165.3	14.4	0.0	32.8	991.8	30
Dekalb	DKC52-59 CK	VT3	n/a	102	162.9	13.9	4.5	30.1	977.4	33
Test Average =					163.1	15.5	0.8	32.3	975.3	
LSD (0.10) =					22.6	1.6	3.1			
C.V. =					8.3	6.1				


 F.I.R.S.T. Manager

TEST COMMENTS: A cool wet spring delayed planting and made for slow growth into late June. Temps climbed in July, and the crop was near average GDU's by the end of August. Rainfall was short from mid-July through harvest. A killing frost hurt the full-season hybrids most. Soil moisture and corn yield was highly variable in one early test replication. This rep was omitted.

Lat: N44.07547, Long: W-95.19989

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = \$6.00

[†] TECHNOLOGY: **Corn Borer** - 3000GT, 3111, CB, HX, HXT, STX, VT2P, VT3, VT3P; **Corn Rootworm** - 3000GT, 3111, AMRW, HXT, RW, STX, VT3, VT3P; **Glyphosate** - 3000GT, 3111, GT, RR2, STX, VT2P, VT3, VT3P; **Liberty** - 3000GT, 3111, HX, HXT, LL, STX

^{††} IST: **AV** - Avicta, **C** - Cruiser, **P** - Poncho, **250, 500, and 1250** = 0.25, 0.5, and 1.25 g ai/seed, respectively; **V** - Votivo

 Identifies the check brand included in early- and full-season tests. **Bold** yields are significantly above test average. **Italicized** brands exceed the grain moisture limit for this test. **GC** = grower comparison product, * = brands without a seed lot number; **ns** = not significantly different

 Complete brands tested list & searchable database available at www.firstseedtests.com

AgSCI Copyright 2011

Report Date: 10/7/2011

Revised:

2011 BETTER HYBRIDS Harvest Report for Minnesota South West [MNSW]

Rick Quade, Cottonwood County, MN 56083 [JEFFERS]

FULL SEASON TEST
103 - 106 Day CRM

B1MNSW05b

PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Wilmonton clay loam, well drained, minimum w/ fall till, non-irrigated
 SOIL CONDITIONS: Moderate P, high K, 6.7 pH, 4.4% OM
 PEST MANAGEMENT: Force, Surpass
 FERTILITY - Applied N: 160 Fall, 17 Spring,
 Applied N-P-K (units): 177-40-25
 SEEDED - RATE: May 10 35,680 /A
 HARVESTED - STAND: Oct 6 31,300 /A

TOP 30 OF 54 FOR GROSS INCOME (SORTED BY YIELD)

AVERAGE of (3) REPLICATIONS

Company/Brand	Product/Brand	Technology [†]	IST ^{††}	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dekalb	DKC53-78 GC	STX	n/a	103	208.1	16.2	0.0	31.4	1,242.4	1
Trelay	6VT154	VT3	P500,V	102	192.6	16.5	1.3	32.3	1,148.4	2
Viking	Y54-04RL	3000GT	C250	104	191.1	19.8	0.0	26.0	1,123.7	3
Wensman	W 7392GT3	3000GT	P250	104	189.5	22.9	0.0	33.3	1,099.6	5
J Pasker Seed	JP5047GT3	3000GT	C250	104	188.8	20.1	0.0	30.5	1,108.7	4
Wyffels	W3127	VT3P	P250	102	183.2	15.6	0.0	31.4	1,096.5	6
Renze	2222-3000GT*	3000GT	C250	104	181.3	22.8	0.0	31.4	1,052.4	10
Fielders Choice	NG6620	VT3P	P250	103	179.7	15.0	0.3	33.3	1,078.2	7
Gold Country	103-09	VT3	P250	103	178.5	19.5	1.3	33.7	1,050.9	11
Renze	CX17104RR2*	RR2	P250	104	178.2	16.2	0.0	32.8	1,063.9	8
Wyffels	W4179	3000GT	C250	105	176.9	18.2	0.0	33.3	1,047.2	13
Enestvedt	E5500	3000GT	C250	103	176.6	16.2	0.0	31.0	1,054.3	9
LG Seeds	LG2509GT3	3000GT	P500,V	103	176.0	22.5	0.0	31.9	1,023.0	15
Renk	RK708VT3P	VT3P	P250	105	175.2	15.1	0.0	33.3	1,050.8	12
Titan Pro	80A05GL	3000GT	C250	105	174.6	17.7	0.0	30.1	1,035.8	14
Mustang	6460	3000GT	P250	104	171.2	19.1	0.0	33.3	1,009.7	17
Gold Country	107-17	VT3P	P250	107	171.2	21.7	0.0	32.4	998.5	21
Producers	6374VT3	VT3	P500,V	103	170.6	17.5	0.3	31.4	1,012.9	16
Renze	1219VT3	VT3	C250	103	169.6	16.9	0.0	32.8	1,009.5	18
G2 Genetics	5H-0701^	HX,RR2	C250	106	169.3	21.4	0.0	31.0	988.7	25
Dairyland	ST-9206SSX	STX	C250	106	169.1	20.2	3.0	32.8	992.6	22
Dekalb	DKC55-09 GC	STX	P250	105	168.1	19.3	0.0	31.4	990.5	24
Fielders Choice	NG6583	VT3	P250	102	168.0	17.2	0.0	32.3	998.8	20
Dairyland	ST-9303SSX	STX	C250	103	167.9	16.6	0.0	32.4	1,000.7	19
Pioneer	P0461AM1 GC	HXT,RR2	C250	104	166.8	18.3	0.0	30.1	987.0	26
Renk	RK694GTCBLLRWBL	3111	C250	104	166.6	16.7	0.0	30.5	992.5	23
Trelay	6ST576	STX	P500,V	104	164.8	17.1	0.0	31.9	980.1	28
G2 Genetics	5X-903^	HXT,RR2	P1250,V	103	163.7	16.3	0.0	32.3	976.9	29
Titan Pro	89A02GL	3000GT	C250	102	163.0	18.1	3.0	30.1	965.4	30
Wensman	W 6443RR	RR2	P250	105	161.7	17.4	0.3	31.9	960.5	31
Dekalb	DKC52-59 CK	VT3	n/a	102	165.6	17.6	0.0	32.8	982.8	27
Test Average =					166.3	18.9	0.2	31.3	981.4	
LSD (0.10) =					17.9	3.5	1.6			
C.V. =					7.9	13.4				


 F.I.R.S.T. Manager

TEST COMMENTS: *A cool wet spring delayed planting and made for slow growth into late June. Temps climbed in July, and the crop was near average GDU's by the end of August. Rainfall was short from mid-July through harvest. A killing frost hurt the full-season hybrids most. Soil moisture and corn yield was highly variable in one early test replication. This rep was omitted.*

Lat: N44.07547, Long: W-95.19989

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = \$6.00

[†] TECHNOLOGY: **Corn Borer** - 3000GT, 3111, CB, HX, HXT, STX, VT2P, VT3, VT3P; **Corn Rootworm** - 3000GT, 3111, AMRW, HXT, RW, STX, VT3, VT3P; **Glyphosate** - 3000GT, 3111, GT, RR2, STX, VT2P, VT3, VT3P; **Liberty** - 3000GT, 3111, HX, HXT, LL, STX

^{††} IST: **AV** - Avicta, **C** - Cruiser, **P** - Poncho, **250**, **500**, and **1250** = 0.25, 0.5, and 1.25 g ai/seed, respectively; **V** - Votivo

 Identifies the check brand included in early- and full-season tests. **Bold** yields are significantly above test average. **Italicized** brands exceed the grain moisture limit for this test. **GC** = grower comparison product, * = brands without a seed lot number, **ns** = not significantly different



Footnotes, Abbreviations, and Trademarks

Brand Footnotes

^G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doeblers PA Seed. Supreme EX® brand seed is distributed by Seed Consultants, Inc. XL™ and Phoenix™ brand seeds are distributed by Beck's Superior Hybrids. G2®, RPM®, Supreme EX®, and XL™ are trademarks of Pioneer Hi-Bred.

Technologies

3000GT	Agrisure® 3000GT
3111	Agrisure® Viptera™ 3111
AMRW	Optimum® AcreMax™ Rootworm Protection
CB/LL	Agrisure® CB/LL
CB/LL/RW	Agrisure® CB/LL/RW
GT	Agrisure® GT
GT/CB/LL	Agrisure® GT/CB/LL
HX	HERCULEX® I Insect Protection
HXT	HERCULEX® XTRA Insect Protection
LL	LibertyLink® herbicide tolerance
RR	Roundup Ready® Soybeans
RR2	Roundup Ready® Corn 2
RR2Y	Genuity® Roundup Ready 2 Yield®
STX	SmartStax®
STS	STS® herbicide tolerance
VT2P	Genuity® VT Double PRO™
VT3	YieldGard VT Triple®
VT3P	Genuity® VT Triple PRO™

Seed Treatments

A	Allegiance®
AC	Acceleron®
AM	ApronMaxx®
AP	Apron XL®
AV	Avicta®
C	Cruiser®
CM	CruiserMaxx®
E	Excalibre™
I	Inovate™ System
G	Gauche®
O	Optimize®
P	Poncho®
T	Trilex®
T2	Trilex® 2000
T6	Trilex® 6000
V	VOTIVO®

Trademarks

- Excalibre™ is a trademark of Advanced Biological Marketing
- Allegiance®, Gauche®, LibertyLink®, Poncho®, Trilex®, and VOTIVO™ are trademarks of Bayer AG.
- Herculex® is a trademark of Dow AgroSciences LLC.
- STS® is a registered trademark of E.I. DuPont Nemours & Co.
- Optimize® is a trademark of EMD Crop BioScience Inc.
- Acceleron®, Genuity®, Roundup Ready®, Roundup Ready 2 Yield®, SmartStax®, VT Triple PRO®, and YieldGard VT Triple® are trademarks of Monsanto Technology LLC.
- Optimum® and AcreMax® are trademarks of Pioneer Hi-Bred.
- Agrisure®, ApronMaxx®, ApronXL®, Avicta®, Cruiser®, CruiserMaxx®, and Viptera™ are trademarks of a Syngenta Group Company.
- Inovate™ System is a trademark of Valent