

**2010 BETTER HYBRIDS Harvest Report for Minnesota South West [ MNSW ]**
**EARLY SEASON TEST**

Rick Quade, Cottonwood County, MN 56083 [ JEFFERS ]

**97 - 102 Day CRM**

PREV. CROP/HERB: Soybean / Harness, Roundup B0MNSW09a  
 SOIL DESCRIPTION: Wilmington clay loam, mod. well drained, minimum w/ fall till, non-irrigated  
 SOIL CONDITIONS: High P, high K, 6.5 pH, 4.2% OM  
 PEST MANAGEMENT: Force, Roundup twice, Callisto 30" ROW SPACING  
 FERTILITY - Applied N: 147 Fall,  
 Applied N-P-K (units): 147-70-70  
 SEEDED - RATE: May 3 36,500 /A TOP 30 OF 80 FOR GROSS INCOME (SORTED BY YIELD)  
 HARVESTED - STAND: Oct 21 32,500 /A AVERAGE of (3) REPLICATIONS

Company	Brand	Technology <sup>†</sup>	IST <sup>††</sup>	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Kruger	K-6201VT3	VT3	P250	<b>216.8</b>	14.1	0.0	34.8	\$1,149.9	1
Fielders Choice	NG6510	VT3	P250	<b>213.2</b>	13.6	0.0	34.8	\$1,137.2	2
Jung	7475VT3	VT3	P250	<b>208.1</b>	13.8	0.0	33.9	\$1,107.5	3
NuTech	3T-401	VT3	C250	201.2	14.1	0.0	32.4	\$1,067.2	4
Pannar	5B-960	VT3	C250	199.2	13.8	0.0	26.6	\$1,060.1	5
AgSource	3T-603A	VT3	C250	197.6	14.7	0.0	30.5	\$1,041.0	7
NuTech	G2 5X-500A^	HXT,RR2	C250	196.4	13.9	0.0	29.0	\$1,044.1	6
Producers	5784VT3	VT3	P250	193.4	13.6	0.0	35.3	\$1,031.6	8
Trelay	5ST259	SS	P250	191.9	14.0	0.0	32.9	\$1,019.0	11
Renze	7079RR2	RR2	C250	191.8	13.7	0.0	32.9	\$1,021.9	9
Renze	2181-3000GT	3000GT	C250	191.8	14.3	0.0	33.9	\$1,015.0	12
Gold Country	96-22	SS	P250	191.6	13.8	0.0	33.9	\$1,019.7	10
Channel	197-14VT3	VT3	P250	189.2	13.8	0.0	27.1	\$1,006.9	14
Channel	193-46VT3	VT3	P250	189.1	13.5	0.0	33.4	\$1,009.8	13
Pannar	5E-801	VT3	C250	188.9	13.7	0.0	31.0	\$1,006.5	15
Gold Country	98-90	VT3P	P250	188.7	14.2	0.0	29.5	\$999.7	16
Viking	Y84-00RL	3000GT	C250	188.2	14.3	0.0	35.8	\$996.0	18
Stine	9417VT3	VT3	P250	187.0	13.6	0.0	32.4	\$997.5	17
Enestvedt	E6500-3000GT	3000GT	C250	186.9	14.1	0.0	34.3	\$991.3	19
Gold Country	101-01	VT3	P250	184.9	14.1	0.0	33.9	\$980.7	20
Renk	RK580VT3	VT3	P250	184.0	13.7	0.0	31.4	\$980.4	21
Trelay	6VT154	VT3	P250	183.3	14.2	0.0	23.7	\$971.1	24
Mustang	4322VT3	VT3	P250	182.8	13.8	0.0	32.9	\$972.9	22
Wensman	W7273VT3	VT3	P250	182.7	13.8	0.0	32.4	\$972.3	23
Anderson	605VT3	VT3	C250	182.1	14.0	0.0	34.4	\$967.0	25
LG Seeds	LG2469VT3	VT3	P250	181.6	13.8	0.0	32.4	\$966.5	26
Kruger	K-7302	VT3P	P250	179.6	14.2	0.0	33.4	\$951.5	28
Trelay	5VP688	VT3P	P250	179.4	13.8	0.0	36.3	\$954.8	27
Kruger	K-6399VT3	VT3	P250	178.1	13.8	0.0	31.9	\$947.8	29
NuTech	3T-300	VT3	C250	176.0	14.0	0.0	34.8	\$934.6	30
Dekalb	DKC52-59 CK	VT3	P250	172.3	13.8	0.0	29.5	\$917.0	41
Test Average =				<b>174.0</b>	<b>13.9</b>	<b>0.0</b>	<b>32.5</b>	<b>\$924.9</b>	
LSD (0.10) =				27.4	0.5	n.s.			
C.V. =				11.7	2.4				

**TEST COMMENTS:** *Excellent planting conditions gave way to a warm growing season that was just too wet for this site. These plots were planted on a flat field with heavy clay soils that had adequate tile for a normal year, but not enough for the big rains that plagued southern Minnesota in 2010. The variability is shown in the higher C.V.'s.*

Lat: N44.06995, Long: W95.20015

Yield &amp; Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.060 Price = \$5.25

<sup>†</sup> **TECHNOLOGY:** Corn Borer - 3000GT, CB, HX, HXT, SS, VT2P, VT3, VT3P, YGCB; Corn Rootworm - 3000GT, HXT, RW, SS, VT2, VT3, VT3P  
 Glyphosate - 3000GT, GT, RR2, SS, VT2, VT2P, VT3, VT3P; LibertyLink - 3000GT, HX, HXT, LL, SS

<sup>††</sup> IST: AVC - Avicta Complete, 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 chosen product, \* = brands without a seed lot number **ns** = not significantly different

 Complete list of brands tested & searchable database available at [www.firstseedtests.com](http://www.firstseedtests.com)

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Report Date: 10/27/2010

Revised:

**2010 BETTER HYBRIDS Harvest Report for Minnesota South West [ MNSW ]**
**FULL SEASON TEST**

Rick Quade, Cottonwood County, MN 56083 [ JEFFERS ]

**103 - 106 Day CRM**

BOMNSW09b

PREV. CROP/HERB: Soybean / Harness, Roundup  
 SOIL DESCRIPTION: Wilmonton clay loam, mod. well drained, minimum w/ fall till, non-irrigated  
 SOIL CONDITIONS: High P, high K, 6.5 pH, 4.2% OM  
 PEST MANAGEMENT: Force, Roundup twice, Callisto  
 FERTILITY - Applied N: 147 Fall,  
 Applied N-P-K (units): 147-70-70

30" ROW SPACING

SEEDED - RATE: May 3 36,500 /A  
 HARVESTED - STAND: Oct 21 32,100 /A

**TOP 30 OF 45 FOR GROSS INCOME (SORTED BY YIELD)**

AVERAGE of (3) REPLICATIONS

Company	Brand	Technology <sup>†</sup>	IST <sup>††</sup>	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renze	1219VT3	VT3	C250	201.1	13.9	0.0	32.4	\$1,069.0	1
Pioneer	36V53 GC	HX,RR2	C250	200.4	14.4	0.0	33.4	\$1,059.3	2
Mustang	6460	3000GT	C250	198.8	14.5	0.3	33.4	\$1,049.7	3
Jung	7S555	SS	P250	198.1	14.3	0.0	33.4	\$1,048.3	4
NuTech	5N-804	3000GT	C250	194.9	14.4	0.0	34.4	\$1,030.2	6
Gold Country	101-99	SS	P250	194.5	14.1	0.0	34.8	\$1,031.6	5
Dekalb	DKC53-78 GC	SS	P250	192.8	14.1	0.0	30.0	\$1,022.6	7
Renk	RK682VT3	VT3	P250	192.5	14.2	0.0	30.0	\$1,019.9	8
Gold Country	102-05	VT3	P250	191.0	13.9	0.0	32.9	\$1,015.4	9
NuTech	5N-803	3000GT	C250	190.2	14.3	0.0	32.4	\$1,006.5	10
Mycogen	2J597	SS	C250	189.6	14.4	0.0	34.3	\$1,002.2	12
Wensman	W6307RR	RR2	P250	189.4	14.2	0.0	33.4	\$1,003.4	11
Wensman	W7433VT3	VT3	P250	188.6	14.2	0.0	32.4	\$999.2	13
NuTech	5H-105A	HX,RR2	C250	187.6	14.7	0.0	30.5	\$988.3	15
Pioneer	35F44 GC	HXT,RR2	C250	187.4	15.3	0.0	35.8	\$980.5	22
Gold Country	103-09	VT3	P250	187.2	14.3	0.0	26.6	\$990.7	14
Jung	7520VT3	VT3	P250	186.9	14.4	0.0	25.6	\$988.0	16
LG Seeds	LG2525RR2	RR2	P250	186.9	14.5	0.0	32.4	\$986.8	18
LG Seeds	LG2527VT3	VT3	P250	186.3	14.2	0.0	32.4	\$987.0	17
Titan Pro	80A05GL	3000GT	C250	185.9	14.4	0.0	32.4	\$982.7	20
Channel	205-94VT3	VT3	P250	185.5	16.7	0.0	31.4	\$955.0	26
Viking	Y54-04RL	3000GT	C250	184.8	15.4	0.0	32.9	\$965.8	24
Anderson	103VT3	VT3	C250	184.7	14.0	0.0	32.4	\$980.8	21
Wensman	W8364STX	SS	P250	184.4	14.2	0.0	34.8	\$977.0	23
NuTech	5N-705	3000GT	C250	183.0	15.0	0.0	25.6	\$960.8	25
Dairyland	ST9703Q	HXT,RR2	C250	177.4	14.5	0.0	26.6	\$936.7	28
Mustang	5307VT3	VT3	P250	176.7	13.8	0.0	32.4	\$940.4	27
Kruger	K-6006VT3	VT3	C250	176.4	16.0	0.0	34.9	\$915.5	31
Wensman	W7455VT3	VT3	P250	175.4	15.1	0.0	31.4	\$919.8	30
Renk	RK698VT3	VT3	P250	174.2	14.1	0.0	31.9	\$924.0	29
Dekalb	DKC52-59 CK	VT3	P250	184.9	13.9	0.0	31.0	\$982.9	19
Test Average =				180.6	14.6	0.0	32.1	\$952.3	
LSD (0.10) =				20.7	0.6	0.1			
C.V. =				8.4	3.2				

  
 F.I.R.S.T. Manager

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## Footnotes, Abbreviations, and Trademarks

### Brand Footnotes

^G2<sup>®</sup> brand seed is distributed by NuTech Seed, LLC. HPT<sup>®</sup> brand seed is distributed by Hoegemeyer Hybrids, Inc. RPM<sup>®</sup> brand seed is distributed by Doebler's PA Seed. XL<sup>™</sup> brand seed is distributed by Beck's Superior Hybrids. G2<sup>®</sup>, HPT<sup>®</sup>, RPM<sup>®</sup>, and XL<sup>™</sup> are trademarks of Pioneer Hi-Bred.

### Technologies

3110	Agrisure <sup>®</sup> Viptera <sup>™</sup> 3110
3111	Agrisure <sup>®</sup> Viptera <sup>™</sup> 3111
3000GT	Agrisure <sup>®</sup> 3000GT
CB/LL	Agrisure <sup>®</sup> CB/LL
CB/LL/RW	Agrisure <sup>®</sup> CB/LL/RW
GT	Agrisure <sup>®</sup> GT
GT/CB/LL	Agrisure <sup>®</sup> GT/CB/LL
HX	HERCULEX <sup>®</sup> I Insect Protection
HXT	HERCULEX <sup>®</sup> XTRA Insect Protection
LL	LibertyLink <sup>®</sup>
RR	Roundup Ready <sup>®</sup> Soybeans
RR2	Roundup Ready <sup>®</sup> Corn 2
RR2Y	Genuity <sup>™</sup> Roundup Ready 2 Yield <sup>®</sup>
SS	Genuity <sup>™</sup> SmartStax <sup>™</sup>
STS	STS <sup>®</sup>
VT2	YieldGard VT Rootworm/RR2 <sup>™</sup>
VT2P	Genuity <sup>™</sup> VT Double PRO <sup>™</sup>
VT3	YieldGard VT Triple <sup>®</sup>
VT3P	Genuity <sup>™</sup> VT Triple PRO <sup>™</sup>
YGCB	YieldGard <sup>®</sup> Corn Borer
YGCB,RR2	YieldGard <sup>®</sup> Corn Borer/Roundup Ready <sup>®</sup> Corn 2
YGPL,RR2	YieldGard <sup>®</sup> Plus/Roundup Ready <sup>®</sup> Corn 2
YGRW,RR2	YieldGard <sup>®</sup> Rootworm/Roundup Ready <sup>®</sup> Corn 2

### Seed Treatments

AC	Acceleron <sup>®</sup>
AM	ApronMaxx <sup>®</sup>
AP	Apron XL <sup>®</sup>
AVC	Avicta <sup>®</sup> Complete Corn
C	Cruiser <sup>®</sup>
CM	CruiserMaxx <sup>®</sup>
E	Excalibre <sup>™</sup>
ES	Escalate <sup>™</sup>
I	Inovate <sup>™</sup> System
O	Optimize <sup>®</sup>
P	Poncho <sup>®</sup>
T	Trilex <sup>®</sup>
T6	Trilex <sup>®</sup> 6000
V	Votivo <sup>™</sup>

### Trademarks

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- LibertyLink<sup>®</sup>, Poncho<sup>®</sup>, Trilex<sup>®</sup>, and Votivo<sup>™</sup> are trademarks of Bayer.
- Escalate<sup>™</sup> is a trademark of Beck's Superior Hybrids
- Herculex<sup>®</sup> is a trademark of Dow AgroSciences LLC.
- STS<sup>®</sup> is a registered trademark of E.I. DuPont Nemours & Co.
- Optimize<sup>®</sup> is a trademark of EMD Crop BioScience Inc.
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