

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

John Engles, Blue Earth County, MN 56055 [ LAKE CRYSTAL ]

**97 - 102 Day CRM**

PREV. CROP/HERB: Soybean / Prowl, Touchdown B0MNSW08a  
 SOIL DESCRIPTION: Nicollet-Clarion clay loam, moderately drained, minimum w/ fall till, non-irrigated  
 SOIL CONDITIONS: Mod. High P, moderate K, 6.6 pH, 3.6% OM  
 PEST MANAGEMENT: Force, Harness, Roundup, Callisto 30" ROW SPACING  
 FERTILITY - Applied N: 165 Fall,  
 Applied N-P-K (units): 165-45-122  
 SEEDED - RATE: Apr 28 36,500 /A TOP 30 OF 80 FOR GROSS INCOME (SORTED BY YIELD)  
 HARVESTED - STAND: Oct 14 33,300 /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
Trelay	5VP688	VT3P	P250	<b>220.2</b>	14.3	0.0	35.3	\$1,165.3	1
Dekalb	DKC50-44 GC	VT3	P250	<b>213.6</b>	15.3	0.0	32.4	\$1,117.6	5
Fielders Choice	NG6546	VT3	P250	<b>213.4</b>	14.2	0.0	34.3	\$1,130.6	2
LG Seeds	LG2469VT3	VT3	P250	<b>212.7</b>	14.2	0.0	33.4	\$1,126.9	3
Channel	201-16VT3	VT3	P250	<b>212.7</b>	14.9	0.0	32.9	\$1,118.0	4
Kruger	K-7302	VT3P	P250	<b>210.5</b>	15.4	0.0	33.4	\$1,100.1	8
Producers	5784VT3	VT3	P250	<b>210.2</b>	14.3	0.0	31.9	\$1,112.4	6
AgSource	3T-603A	VT3	C250	208.8	17.4	0.0	34.4	\$1,066.1	21
Renk	RK580VT3	VT3	P250	208.1	14.2	0.0	34.4	\$1,102.5	7
Fielders Choice	NG6583	VT3	P250	207.2	15.9	0.0	32.9	\$1,076.6	16
NuTech	3T-401	VT3	C250	207.1	15.3	0.0	30.0	\$1,083.5	13
Mustang	4367VT3	VT3	P250	206.8	14.2	0.3	35.8	\$1,095.6	9
Pannar	5E-801	VT3	C250	206.7	14.2	0.0	34.3	\$1,095.1	10
Producers	6238STX	SS	P250	206.6	16.4	0.0	32.4	\$1,067.3	20
NuTech	G2 5H-502^	HX,RR2	C250	206.2	16.0	0.0	34.4	\$1,070.2	17
Channel	197-14VT3	VT3	P250	204.8	14.2	0.0	32.9	\$1,085.0	11
Stine	9417VT3	VT3	P250	204.3	14.1	0.0	31.9	\$1,083.6	12
Kruger	K-6201VT3	VT3	P250	204.2	15.8	0.0	28.5	\$1,062.2	25
Renze	7079RR2	RR2	C250	204.1	14.2	0.0	32.4	\$1,081.3	14
Channel	199-55VT3	VT3	P250	203.5	14.3	0.0	37.8	\$1,076.9	15
Jung	7475VT3	VT3	P250	203.3	14.8	0.0	35.3	\$1,069.8	18
Anderson	626R	RR2	None	203.2	14.8	0.0	34.4	\$1,069.2	19
Jung	7S488	SS	P250	202.8	15.1	0.0	30.0	\$1,063.5	23
Jung	7452VT3	VT3	P250	201.3	14.4	0.0	33.9	\$1,064.1	22
Fielders Choice	NG6510	VT3	P250	200.3	14.1	0.0	37.3	\$1,062.4	24
Anderson	605VT3	VT3	C250	200.0	14.5	0.0	32.9	\$1,056.0	28
Dekalb	DKC50-35 GC	VT3	P250	199.9	14.2	0.0	32.4	\$1,059.1	27
Wensman	W7270VT3Pro	VT3P	P250	199.8	14.1	0.0	32.4	\$1,059.7	26
LG Seeds	LG2478VT3Pro	VT3P	P250	199.0	14.1	0.0	32.4	\$1,055.5	29
Wensman	W7267VT3	VT3	P250	198.7	14.1	0.0	34.3	\$1,053.9	30
Dekalb	DKC52-59 CK	VT3	P250	196.3	14.5	0.0	35.3	\$1,036.5	39
Test Average =				<b>194.2</b>	<b>14.9</b>	<b>0.1</b>	<b>33.3</b>	<b>\$1,021.3</b>	
LSD (0.10) =				15.2	0.4	0.9			
C.V. =				5.8	1.9				

**TEST COMMENTS:** Storms in June brought high winds and hail to this site. While damage was not severe, John noted that the hail damage was visible the next morning. The wet conditions also affected his post emergence herbicide timing. As a result, foxtail was present in his normally weed-free plot site.

Lat: N44.20598, Long: W94.30664

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: 10/17/2010

Revised:

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

John Engles, Blue Earth County, MN 56055 [ LAKE CRYSTAL ]

**103 - 106 Day CRM**

PREV. CROP/HERB: Soybean / Prowl, Touchdown BOMNSW08b  
 SOIL DESCRIPTION: Nicollet-Clarion clay loam, moderately drained, minimum w/ fall till, non-irrigated  
 SOIL CONDITIONS: Mod. High P, moderate K, 6.6 pH, 3.6% OM  
 PEST MANAGEMENT: Force, Harness, Roundup, Callisto 30" ROW SPACING  
 FERTILITY - Applied N: 165 Fall,  
 Applied N-P-K (units): 165-45-122  
 SEEDED - RATE: Apr 28 36,500 /A TOP 30 OF 45 FOR GROSS INCOME (SORTED BY YIELD)  
 HARVESTED - STAND: Oct 14 33,500 /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
NuTech	G2 5X-206 <sup>^</sup>	HXT,RR2	C250	222.1	18.4	0.0	30.0	\$1,120.7	7
Renk	RK682VT3	VT3	P250	219.8	15.6	0.0	34.8	\$1,146.0	2
LG Seeds	LG2527VT3	VT3	P250	219.3	15.1	0.0	33.4	\$1,150.0	1
NuTech	5N-803	3000GT	C250	218.3	15.3	0.0	32.4	\$1,142.1	4
Renze	1219VT3	VT3	C250	217.9	14.9	0.0	33.9	\$1,145.3	3
NuTech	5H-105A	HX,RR2	C250	217.5	16.3	0.0	34.9	\$1,124.9	5
Producers	6634VT3	VT3	P250	215.9	15.7	0.0	35.8	\$1,124.4	6
Mustang	6460	3000GT	C250	214.2	16.1	0.0	33.4	\$1,110.4	11
Jung	7S555	SS	P250	213.8	15.4	0.0	33.9	\$1,117.3	8
Stine	9523VT3	VT3	P250	212.9	15.1	0.0	35.8	\$1,116.4	10
Titan Pro	80A05GL	3000GT	C250	212.7	15.6	0.0	33.4	\$1,109.0	12
Renk	RK698VT3	VT3	P250	211.7	14.6	0.0	35.3	\$1,116.5	9
LG Seeds	LG2525RR2	RR2	P250	211.5	15.8	0.0	34.3	\$1,100.2	13
NuTech	5N-804	3000GT	C250	211.1	15.8	0.0	32.4	\$1,098.1	15
Jung	7610VT3	VT3P	P250	209.6	17.1	0.0	35.3	\$1,074.0	20
LG Seeds	LG2510STX	SS	P250	208.5	15.3	0.0	32.4	\$1,090.9	16
Mustang	5307VT3	VT3	P250	208.1	14.5	0.0	35.3	\$1,098.8	14
Mycogen	2J597	SS	C250	207.0	16.4	0.0	34.3	\$1,069.4	21
Channel	205-94VT3	VT3	P250	207.0	17.6	0.3	31.9	\$1,054.5	28
Titan Pro	89A03GL	3000GT	C250	206.5	16.4	0.0	33.4	\$1,066.8	23
Gold Country	101-99	SS	P250	206.4	15.7	0.0	34.4	\$1,074.9	19
NuTech	G2 5X-905 <sup>^</sup>	HXT,RR2	C250	205.6	15.9	0.0	32.4	\$1,068.3	22
Viking	Y54-04RL	3000GT	C250	205.6	16.8	0.0	31.9	\$1,057.2	26
Pannar	6D-409	VT3	C250	204.6	14.6	0.0	34.9	\$1,079.1	17
Gold Country	102-05	VT3	P250	203.7	14.4	0.0	33.9	\$1,076.8	18
Anderson	103VT3	VT3	C250	203.5	15.3	0.0	33.4	\$1,064.7	24
Viking	B53-03R	VT3	P250	203.5	15.8	0.0	35.3	\$1,058.6	25
Titan Pro	89A06GL	3000GT	C250	203.4	17.0	0.0	34.3	\$1,043.4	30
Gold Country	103-09	VT3	P250	202.9	15.7	0.0	28.5	\$1,056.7	27
Wensman	W7433VT3	VT3	P250	201.6	15.5	0.0	34.4	\$1,052.4	29
<b>Dekalb</b>	<b>DKC52-59 CK</b>	<b>VT3</b>	<b>P250</b>	<b>194.3</b>	<b>14.3</b>	<b>0.0</b>	<b>25.6</b>	<b>\$1,028.2</b>	<b>36</b>
Test Average =				<b>203.4</b>	<b>15.9</b>	<b>0.0</b>	<b>33.5</b>	<b>\$1,057.2</b>	
LSD (0.10) =				16.7	1.0	n.s.			
C.V. =				6.0	4.7				

  
 F.I.R.S.T. Manager

**TEST COMMENTS:** Storms in June brought high winds and hail to this site. While damage was not severe, John noted that the hail damage was visible the next morning. The wet conditions also affected his post emergence herbicide timing. As a result, foxtail was present in his normally weed-free plot site.

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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.
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- 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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