

**2010 BETTER HYBRIDS Harvest Report for Minnesota South West [ MNSW ]**  
 Steve Ryberg, Jackson County, MN 56143 [ JACKSON ]

**EARLY SEASON TEST**  
**97 - 102 Day CRM**

PREV. CROP/HERB: Soybean / Trifluralin, Roundup B0MNSW10a  
 SOIL DESCRIPTION: Nicollet clay loam, mod. well drained, minimum w/ fall till, non-irrigated  
 SOIL CONDITIONS: High P, high K, 6.2 pH, 4.1% OM  
 PEST MANAGEMENT: Force, Harness, Roundup, Callisto 30" ROW SPACING  
 FERTILITY - Applied N: 160 Fall,  
 Applied N-P-K (units): 160-55-100  
 SEEDING - RATE: May 3 36,500 /A TOP 30 OF 80 FOR GROSS INCOME (SORTED BY YIELD)  
 HARVESTED - STAND: Oct 22 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
Dekalb	DKC50-35 GC	VT3	P250	<b>232.0</b>	13.7	0.0	37.3	\$1,236.1	1
Fielders Choice	NG6583	VT3	P250	<b>231.0</b>	14.2	0.0	33.4	\$1,223.8	3
Trelay	5VP688	VT3P	P250	<b>229.5</b>	13.6	0.0	32.9	\$1,224.2	2
Channel	199-55VT3	VT3	P250	<b>227.6</b>	13.7	0.0	34.4	\$1,212.7	4
Jung	7475VT3	VT3	P250	<b>224.7</b>	13.9	0.0	32.4	\$1,194.5	5
NuTech	G2 5H-502^	HX,RR2	C250	<b>223.0</b>	14.2	0.0	34.8	\$1,181.5	7
NuTech	3T-300	VT3	C250	<b>222.5</b>	13.7	0.0	33.4	\$1,185.5	6
Titan Pro	80A00GL*	3000GT	C250	222.2	14.1	0.0	36.3	\$1,178.5	9
Mycogen	2A551	HXT,RR2	C250	221.4	14.4	0.0	30.9	\$1,170.3	11
Fielders Choice	NG6510	VT3	P250	221.1	13.6	0.0	35.3	\$1,179.3	8
Enestvedt	E609VT3PRO	VT3P	C250	220.6	13.8	0.0	28.1	\$1,174.0	10
Wensman	W7289VT3	VT3	P250	219.0	13.8	0.0	31.9	\$1,165.5	12
Titan Pro	80A01GL	3000GT	C250	218.5	14.4	0.0	33.4	\$1,155.0	17
Kruger	K-7302	VT3P	P250	218.1	14.2	0.0	33.4	\$1,155.5	16
NuTech	3T-401	VT3	C250	218.0	14.0	0.0	35.3	\$1,157.6	15
Pioneer	P9990XR GC	HXT,RR2	C250	217.7	14.1	0.0	32.4	\$1,154.7	18
Titan Pro	87A99GL	3000GT	C250	217.2	13.6	0.0	33.4	\$1,158.5	14
Wensman	W7267VT3	VT3	P250	217.1	13.5	0.0	34.8	\$1,159.3	13
Mycogen	2H490	SS	C250	216.9	14.1	0.0	32.9	\$1,150.4	19
AgSource	3T-603A	VT3	C250	216.6	14.3	0.0	34.9	\$1,146.2	20
LG Seeds	LG2469VT3	VT3	P250	214.8	13.7	0.0	31.4	\$1,144.5	21
Kruger	K-6102VT3	VT3	C250	213.8	13.7	0.0	36.3	\$1,139.1	22
Dekalb	DKC48-37 GC	VT3	P250	213.7	13.7	0.0	33.4	\$1,138.6	23
Pioneer	37Y14 GC	HXT,RR2	C250	213.2	14.0	0.0	31.4	\$1,132.1	25
Wensman	W7273VT3	VT3	P250	212.6	13.8	0.0	36.3	\$1,131.5	26
Renk	RK580VT3	VT3	P250	212.3	13.6	0.0	33.4	\$1,132.4	24
Dekalb	DKC50-44 GC	VT3	P250	212.1	13.9	0.0	32.4	\$1,127.5	27
Gold Country	96-22	SS	P250	211.2	13.8	0.0	34.8	\$1,124.0	28
J Pasker	JP5019GT3	3000GT	P250	211.1	14.0	0.0	33.4	\$1,120.9	29
LG Seeds	LG2478VT3Pro	VT3P	P250	209.9	13.6	0.0	35.3	\$1,119.6	30
Dekalb	DKC52-59 CK	VT3	P250	209.7	13.6	0.0	34.4	\$1,118.5	31
Test Average =				<b>207.7</b>	<b>13.8</b>	<b>0.0</b>	<b>33.5</b>	<b>\$1,105.3</b>	
LSD (0.10) =				14.8	0.3	n.s.			
C.V. =				5.3	1.7				

**TEST COMMENTS:** Warm temps and plentiful rainfall caused fast growth and early maturity for this site. The excessive rainfall was detrimental to the Full Season test, where small depressions in the site amplified yield losses, even in well-tiled fields. This yield reduction in heavy, low-lying soils occurred often across Minnesota in 2010.

Lat: N43.74183, Long: W95.01415

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: 10/25/2010

Revised:

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**FULL SEASON TEST**  
**103 - 106 Day CRM**

PREV. CROP/HERB: Soybean / Trifluralin, Roundup BOMNSW10b

SOIL DESCRIPTION: Nicollet clay loam, mod. well drained, minimum w/ fall till, non-irrigated

SOIL CONDITIONS: High P, high K, 6.2 pH, 4.1% OM

PEST MANAGEMENT: Force, Harness, Roundup, Callisto 30" ROW SPACING

FERTILITY - Applied N: 160 Fall,

Applied N-P-K (units): 160-55-100

SEEDED - RATE: May 3 36,500 /A TOP 30 OF 45 FOR GROSS INCOME (SORTED BY YIELD)

HARVESTED - STAND: Oct 22 33,000 /A AVERAGE of (2) REPLICATIONS

Company	Brand	Technology <sup>†</sup>	IST <sup>††</sup>	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK698VT3	VT3	P250	215.2	14.0	0.0	33.4	\$1,142.7	1
Pannar	6D-409	VT3	C250	214.4	13.7	0.0	35.6	\$1,142.3	2
Channel	205-94VT3	VT3	P250	214.1	15.6	0.0	32.0	\$1,116.3	9
Dairyland	ST9703Q	HXT,RR2	C250	213.5	14.6	0.0	29.0	\$1,126.0	5
Renze	1219VT3	VT3	C250	212.6	14.0	0.0	33.4	\$1,128.9	3
Gold Country	103-09	VT3	P250	212.3	14.1	0.0	29.8	\$1,126.0	4
NuTech	5N-804	3000GT	C250	212.3	14.5	0.0	33.4	\$1,120.9	6
Producers	6634VT3	VT3	P250	211.4	14.7	0.0	30.5	\$1,113.7	10
NuTech	5N-803	3000GT	C250	211.1	14.2	0.0	32.7	\$1,118.4	8
Gold Country	101-99	SS	P250	209.7	14.0	0.0	34.1	\$1,113.5	11
Wensman	W8364STX	SS	P250	209.1	14.3	0.0	32.7	\$1,106.6	12
Jung	7610VT3	VT3P	P250	207.6	14.2	0.0	34.1	\$1,099.9	13
LG Seeds	LG2510STX	SS	P250	205.2	14.5	0.5	36.3	\$1,083.5	14
Jung	7S555	SS	P250	204.0	14.4	0.0	33.4	\$1,078.3	16
Jung	7520VT3	VT3	P250	203.8	14.1	0.0	25.4	\$1,081.0	15
NuTech	G2 5X-905^	HXT,RR2	C250	203.4	14.6	0.0	34.9	\$1,072.7	17
NuTech	G2 5X-007^	HXT,RR2	C250	202.6	14.5	0.0	32.7	\$1,069.7	19
Kruger	K-6006VT3	VT3	C250	202.2	14.4	0.0	33.4	\$1,068.8	20
Mustang	5307VT3	VT3	P250	201.0	13.6	0.0	32.7	\$1,072.1	18
NuTech	G2 5X-007B^	HXT,RR2	C250	198.6	14.7	0.0	35.6	\$1,046.2	22
Stine	9523VT3	VT3	P250	198.3	14.2	0.0	34.1	\$1,050.6	21
NuTech	5H-105A	HX,RR2	C250	196.7	14.4	0.0	31.2	\$1,039.8	23
Renze	2190HXT/LL/RR2	HXT,RR2	C250	192.7	14.1	0.0	33.4	\$1,022.1	24
Titan Pro	89A06GL	3000GT	C250	192.5	14.6	0.0	32.7	\$1,015.2	27
Titan Pro	89A03GL	3000GT	C250	192.1	14.0	0.0	35.6	\$1,020.1	25
Wensman	W6307RR	RR2	P250	190.8	13.8	0.0	34.1	\$1,015.4	26
Mustang	6460	3000GT	C250	188.5	15.2	0.0	34.1	\$987.4	29
Viking	B53-03R	VT3	P250	187.4	13.8	0.0	34.1	\$997.3	28
NuTech	5N-705	3000GT	C250	186.7	14.5	0.0	29.8	\$985.8	30
Wensman	W7433VT3	VT3	P250	183.1	14.3	0.0	36.3	\$969.0	31
Dekalb	DKC52-59 CK	VT3	P250	210.2	13.7	0.0	27.6	\$1,119.9	7
Test Average =				192.8	14.5	0.0	33.0	\$1,018.1	
LSD (0.10) =				22.3	1.0	n.s.			
C.V. =				6.9	4.0				

**TEST COMMENTS:** Warm temps and plentiful rainfall caused fast growth and early maturity for this site. The excessive rainfall was detrimental to the Full Season test, where small depressions in the site amplified yield losses, even in well-tiled fields. This yield reduction in heavy, low-lying soils occurred often across Minnesota in 2010.

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

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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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