

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

Tom & Jeff Warmka, Faribault County, MN 56025 [EASTON]

97 - 102 Day CRM

PREV. CROP/HERB: Soybean / Roundup B0MNSW07a
 SOIL DESCRIPTION: Nicollet-Webster clay loam, well drained, minimum w/ fall till, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.2 pH, 3.7% OM
 PEST MANAGEMENT: Force, Roundup twice, Callisto 30" ROW SPACING
 FERTILITY - Applied N: 148 Spring,
 Applied N-P-K (units): 148-46-60
 SEEDED - RATE: Apr 23 36,500 /A TOP 30 OF 80 FOR GROSS INCOME (SORTED BY YIELD)
 HARVESTED - STAND: Oct 13 32,900 /A AVERAGE of (3) REPLICATIONS

Company	Brand	Technology [†]	IST ^{††}	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Channel	201-16VT3	VT3	P250	227.6	13.7	0.0	34.3	\$1,212.7	3
Channel	197-14VT3	VT3	P250	226.4	13.1	0.0	31.4	\$1,214.4	2
Wensman	W7273VT3	VT3	P250	226.2	13.0	0.0	33.8	\$1,214.7	1
Trelay	6VT154	VT3	P250	223.7	14.5	0.0	32.9	\$1,181.1	7
Stine	9417VT3	VT3	P250	223.2	12.9	0.0	32.9	\$1,199.9	4
Producers	6238STX	SS	P250	222.1	14.6	0.0	29.0	\$1,171.4	10
AgSource	3T-603A	VT3	C250	221.9	14.7	0.3	32.4	\$1,169.0	12
Wensman	W7267VT3	VT3	P250	221.7	13.0	0.0	26.1	\$1,190.5	5
Renze	7079RR2	RR2	C250	220.1	13.0	0.0	32.4	\$1,181.9	6
Renze	7131RR2	RR2	C250	219.7	13.7	0.0	33.9	\$1,170.6	11
Titan Pro	89A98GL	3000GT	C250	219.6	14.1	0.0	34.3	\$1,164.8	14
Producers	5784VT3	VT3	P250	219.3	13.0	0.0	35.8	\$1,177.6	9
LG Seeds	LG2469VT3	VT3	P250	219.1	12.8	0.0	35.8	\$1,179.2	8
Gold Country	101-01	VT3	P250	217.5	13.5	0.0	33.8	\$1,161.5	16
NuTech	3T-401	VT3	C250	217.5	13.9	0.0	31.9	\$1,156.2	17
NuTech	G2 5H-502^	HX,RR2	C250	216.8	14.4	0.0	35.8	\$1,146.0	19
Trelay	5VP688	VT3P	P250	216.5	12.7	0.0	35.8	\$1,166.5	13
Renk	RK580VT3	VT3	P250	216.5	12.9	0.0	33.4	\$1,163.9	15
Fielders Choice	NG6583	VT3	P250	216.2	14.7	0.0	33.9	\$1,138.9	24
Kruger	K-6399VT3	VT3	P250	215.6	13.4	0.0	32.9	\$1,152.6	18
Kruger	K-7302	VT3P	P250	215.1	14.3	0.0	34.4	\$1,138.3	26
J Pasker	JP5019GT3	3000GT	P250	214.9	14.4	0.0	34.3	\$1,136.0	27
Gold Country	98-90	VT3P	P250	214.4	14.0	0.0	33.9	\$1,138.5	25
Titan Pro	87A99GL	3000GT	C250	214.1	13.7	0.0	32.4	\$1,140.7	21
Renze	2181-3000GT	3000GT	C250	214.0	13.7	0.0	30.0	\$1,140.2	22
Kruger	K-6102VT3	VT3	C250	213.4	13.5	0.0	34.4	\$1,139.6	23
Fielders Choice	NG6510	VT3	P250	212.5	12.8	0.0	31.9	\$1,143.7	20
Jung	7475VT3	VT3	P250	211.3	13.5	0.0	35.8	\$1,128.3	29
LG Seeds	LG2478VT3Pro	VT3P	P250	210.5	12.7	0.0	36.3	\$1,134.2	28
Fielders Choice	NG6546	VT3	P250	210.0	13.0	0.0	32.4	\$1,127.7	30
Dekalb	DKC52-59 CK	VT3	P250	207.9	12.9	0.0	29.5	\$1,117.7	38
Test Average =				206.2	13.6	0.0	32.9	\$1,099.8	
LSD (0.10) =				15.4	0.3	0.1			
C.V. =				5.5	1.9				

TEST COMMENTS: *The warm summer temps and plentiful moisture allowed rapid stalk growth, but did not require roots to grow deep. Evidence of weak roots was present in some hybrids, but the stalks did not lean enough to be considered lodged. Tom and Jeff report varying yields - heavy low ground is yielding 180 bpa, and high ground 220 bpa.*
Lat: N43.72239, Long: W93.8712

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

[†] **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

^{††} **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

2010 BETTER HYBRIDS Harvest Report for Minnesota South West [MNSW]
 Tom & Jeff Warmka, Faribault County, MN 56025 [EASTON]

FULL SEASON TEST
103 - 106 Day CRM

PREV. CROP/HERB: Soybean / Roundup BOMNSW07b
 SOIL DESCRIPTION: Nicollet-Webster clay loam, well drained, minimum w/ fall till, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.2 pH, 3.7% OM
 PEST MANAGEMENT: Force, Roundup twice, Callisto 30" ROW SPACING
 FERTILITY - Applied N: 148 Spring,
 Applied N-P-K (units): 148-46-60
 SEEDING - RATE: Apr 23 36,500 /A TOP 30 OF 45 FOR GROSS INCOME (SORTED BY YIELD)
 HARVESTED - STAND: Oct 13 32,600 /A AVERAGE of (3) REPLICATIONS

Company	Brand	Technology [†]	IST ^{††}	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Gold Country	101-99	SS	P250	231.4	14.9	0.0	32.4	\$1,216.2	1
Gold Country	103-09	VT3	P250	224.9	14.9	0.0	29.0	\$1,182.1	2
LG Seeds	LG2525RR2	RR2	P250	224.3	15.1	0.0	33.4	\$1,176.2	3
Producers	6364GT3	3000GT	C250	223.2	15.2	0.0	34.8	\$1,169.1	7
Renk	RK682VT3	VT3	P250	222.8	14.6	0.0	32.4	\$1,175.0	4
Stine	9523VT3	VT3	P250	222.8	15.0	0.0	32.4	\$1,169.7	6
Wensman	W6307RR	RR2	P250	221.6	14.4	0.0	33.9	\$1,171.4	5
Channel	205-94VT3	VT3	P250	221.3	16.6	0.0	32.9	\$1,140.6	15
Jung	7610VT3	VT3P	P250	220.5	15.3	0.0	32.4	\$1,153.7	10
Titan Pro	89A03GL	3000GT	C250	220.3	15.3	0.0	31.9	\$1,152.6	11
Kruger	K-6006VT3	VT3	C250	219.6	15.9	0.0	32.4	\$1,141.0	14
Renze	1219VT3	VT3	C250	219.4	14.5	0.0	32.9	\$1,158.4	8
Dekalb	DKC53-78 GC	SS	P250	219.3	15.0	0.0	31.9	\$1,151.3	12
Renk	RK698VT3	VT3	P250	218.8	14.5	0.0	32.9	\$1,155.3	9
Jung	7S555	SS	P250	217.1	14.8	0.0	32.9	\$1,142.4	13
Wensman	W7433VT3	VT3	P250	215.6	14.9	0.0	33.4	\$1,133.2	18
Gold Country	102-05	VT3	P250	214.9	14.2	0.0	31.9	\$1,138.5	16
Titan Pro	80A05GL	3000GT	C250	214.9	15.0	0.0	32.4	\$1,128.2	19
Anderson	103VT3	VT3	C250	213.8	15.1	0.0	30.5	\$1,121.2	21
Pioneer	36V53 GC	HX,RR2	C250	213.6	15.3	0.0	33.9	\$1,117.6	23
Viking	Y54-04RL	3000GT	C250	213.6	15.4	0.0	33.4	\$1,116.3	24
Jung	7520VT3	VT3	P250	213.5	14.6	0.0	30.0	\$1,126.0	20
Mustang	6460	3000GT	C250	213.2	15.1	0.0	31.9	\$1,118.0	22
Mustang	5307VT3	VT3	P250	213.1	13.8	0.0	33.4	\$1,134.1	17
NuTech	G2 5X-905 [^]	HXT,RR2	C250	212.9	15.2	0.0	33.9	\$1,115.2	26
LG Seeds	LG2527VT3	VT3	P250	212.6	15.0	0.0	32.9	\$1,116.2	25
Producers	6634VT3	VT3	P250	211.3	15.0	0.0	34.3	\$1,109.3	27
Mycogen	2J597	SS	C250	211.3	15.6	0.0	34.4	\$1,101.7	31
NuTech	5N-803	3000GT	C250	209.7	14.5	0.3	31.4	\$1,107.2	28
Viking	B53-03R	VT3	P250	208.5	14.3	0.0	31.9	\$1,103.4	29
Dekalb	DKC52-59 CK	VT3	P250	207.0	13.7	0.0	31.0	\$1,102.9	30
Test Average =				211.6	15.1	0.0	32.6	\$1,109.2	
LSD (0.10) =				14.4	0.6	n.s.			
C.V. =				5.0	3.1				

TEST COMMENTS: *The warm summer temps and plentiful moisture allowed rapid stalk growth, but did not require roots to grow deep. Evidence of weak roots was present in some hybrids, but the stalks did not lean enough to be considered lodged. Tom and Jeff report varying yields - heavy low ground is yielding 180 bpa, and high ground 220 bpa.* Lat: N43.72239, Long: W93.8712

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Footnotes, Abbreviations, and Trademarks

Brand Footnotes

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

Technologies

3110	Agrisure [®] Viptera [™] 3110
3111	Agrisure [®] Viptera [™] 3111
3000GT	Agrisure [®] 3000GT
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 [®]
RR	Roundup Ready [®] Soybeans
RR2	Roundup Ready [®] Corn 2
RR2Y	Genuity [™] Roundup Ready 2 Yield [®]
SS	Genuity [™] SmartStax [™]
STS	STS [®]
VT2	YieldGard VT Rootworm/RR2 [™]
VT2P	Genuity [™] VT Double PRO [™]
VT3	YieldGard VT Triple [®]
VT3P	Genuity [™] VT Triple PRO [™]
YGCB	YieldGard [®] Corn Borer
YGCB,RR2	YieldGard [®] Corn Borer/Roundup Ready [®] Corn 2
YGPL,RR2	YieldGard [®] Plus/Roundup Ready [®] Corn 2
YGRW,RR2	YieldGard [®] Rootworm/Roundup Ready [®] Corn 2

Seed Treatments

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

Trademarks

- Excalibre[™] is a trademark of Advanced Biological Marketing
- LibertyLink[®], Poncho[®], Trilex[®], and Votivo[™] are trademarks of Bayer.
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