

2010 BETTER HYBRIDS Harvest Report for Red River Valley [RDRV]
 Chad Biss, Grant County, MN 56531 [ELBOW LAKE]

EARLY SEASON TEST
85 - 90 Day CRM

PREV. CROP/HERB: Corn / Roundup, Status B0RDRV06a
 SOIL DESCRIPTION: Formdale-Aazdahl-Floam clay loam, moderately drained, conventional w/ fall till, non-irrigated
 SOIL CONDITIONS: Moderate P, high K, 7.8 pH, 4.3% OM
 PEST MANAGEMENT: Roundup PowerMax 30" ROW SPACING
 FERTILITY - Applied N: 180 Spring,
 Applied N-P-K (units): 180-72-45
 SEEDED - RATE: Apr 27 30,100 /A TOP 30 OF 58 FOR GROSS INCOME (SORTED BY YIELD)
 HARVESTED - STAND: Nov 3 26,300 /A AVERAGE of (3) REPLICATIONS

Company	Brand	Technology [†]	IST ^{††}	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK334RR	RR2	P250	164.4	16.1	9.7	26.6	\$694.2	1
Stine	9206RR	RR2	P250	158.7	15.7	4.7	25.2	\$671.7	2
Johnson	JSC4891RR	RR2	P250	154.2	16.0	7.0	28.5	\$651.5	3
Renk	RK302GTCBLL	CB/LL	P250	154.2	16.3	21.7	28.5	\$650.3	4
NuTech	3A-889	RR2	P250	150.3	15.8	2.0	25.2	\$635.8	5
Rea	3V376	VT3P	P250	148.5	15.6	9.7	29.0	\$628.9	7
Mycogen	2P174	YGCB,RR2	C250	147.1	16.1	3.0	28.6	\$621.1	8
Hyland	HL8234*	SS	P250	146.6	15.8	4.7	28.5	\$620.1	9
NuTech	G2 5H-885^	HX,RR2	C250	146.0	15.6	1.0	25.6	\$618.3	10
Stine	9204VT3	VT3	P250	144.0	16.4	10.0	24.2	\$607.0	11
Mustang	3026	GT/CB/LL	C250	143.6	16.3	6.3	24.2	\$605.6	12
NuTech	3C-889A	YGCB,RR2	P250	142.3	16.1	2.0	24.7	\$600.9	13
Dairyland	ST9789	VT3	C250	142.0	16.5	18.7	26.6	\$598.2	18
Wensman	W7089VT3	VT3	P250	141.9	15.6	12.0	29.0	\$600.9	14
Proseed	990	GT/CB/LL	C250	141.9	16.7	7.0	19.4	\$597.0	20
Producers	4564VT3	VT3	P250	141.6	15.7	3.0	28.5	\$599.3	16
Gold Country	89-09	VT3P	P250	141.5	15.4	4.7	27.6	\$600.0	15
Stine	9200VT3	VT3	P250	141.3	15.5	9.0	29.5	\$598.8	17
Dairyland	ST9286	VT3	C250	140.9	15.3	6.3	26.1	\$597.8	19
Mustang	2307VT3	VT3	P250	140.8	16.0	4.7	27.6	\$594.9	21
Dyna-Gro	52V01	VT3	P250	140.4	15.8	1.0	23.2	\$593.9	22
NK Brand	N23K GT/CB/LL GC	GT/CB/LL	C250	139.5	16.4	12.7	22.7	\$588.0	23
Pannar	3B-220	VT3	C250	138.9	16.0	4.7	24.2	\$586.9	24
Producers	5004VT3	VT3	P250	137.6	16.3	14.3	27.6	\$580.3	26
Mycogen	2T224	SS	C250	137.4	15.2	8.7	26.6	\$583.3	25
Hyland	HLB32R*	GT/CB/LL	P250	136.0	16.4	54.0	25.7	\$573.2	30
Channel	189-59VT3	VT3	P250	135.8	16.0	10.0	28.5	\$573.8	29
Channel	187-73R	RR2	P250	135.6	15.5	6.3	27.1	\$574.6	28
NuTech	G2 5H-589^*	HX,RR2	C250	135.5	15.2	7.3	26.6	\$575.2	27
NuTech	3T-484	VT3	C250	135.2	15.6	4.7	24.7	\$572.6	31
Johnson	JSC4902 CK	GT/CB/LL	AVC	150.0	16.7	8.7	25.2	\$631.1	6
Test Average =				136.0	15.9	9.0	26.3	\$574.8	
LSD (0.10) =				13.1	0.7	10.0			
C.V. =				7.1	3.1				

TEST COMMENTS: Too much moisture was the main weather stress in this plot during the growing season. The early test drained better and yield data shows that. A late October storm caused some stalk lodging as winds reached 50 mph. Most stalks held their ears and we were able to harvest. The full season test had water damage. Lat: N46.62958, Long: W96.85243

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = \$4.25

[†] **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 Red River Valley [RDRV]
 Chad Biss, Grant County, MN 56531 [ELBOW LAKE]

FULL SEASON TEST
91 - 94 Day CRM

PREV. CROP/HERB: Corn / Roundup, Status B0RDRV06b
 SOIL DESCRIPTION: Formdale-Aazdahl-Floam clay loam, moderately drained, conventional w/ fall till, non-irrigated
 SOIL CONDITIONS: Moderate P, high K, 7.8 pH, 4.3% OM
 PEST MANAGEMENT: Roundup PowerMax 30" ROW SPACING
 FERTILITY - Applied N: 180 Spring,
 Applied N-P-K (units): 180-72-45
 SEEDED - RATE: Apr 27 30,100 /A TOP 30 OF 51 FOR GROSS INCOME (SORTED BY YIELD)
 HARVESTED - STAND: Nov 3 24,600 /A AVERAGE of (3) REPLICATIONS

Company	Brand	Technology [†]	IST ^{††}	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wensman	W7107VT3	VT3	P250	141.5	15.7	8.7	21.3	\$598.9	1
Kruger	K-7495	VT3P	P250	132.9	16.9	2.0	28.5	\$558.5	2
Dyna-Gro	CX010194*	RR2	P250	126.4	15.6	6.3	23.2	\$535.3	3
Mycogen	2J337	VT3	C250	120.2	16.4	3.7	23.7	\$506.6	4
Dairyland	ST9594	VT3	C250	119.9	16.9	3.7	23.2	\$503.9	5
Rea	4V588	VT3P	P250	116.1	16.0	1.0	27.6	\$490.5	7
NuTech	5B-290	GT/CB/LL	C250	114.0	16.2	25.0	21.8	\$481.1	8
NuTech	G2 5X-895^	HXT,RR2	C250	113.1	16.4	3.7	26.8	\$471.1	9
NuTech	3T-393 GC	VT3	C250	109.2	16.0	8.7	25.2	\$461.4	10
Pioneer	38M58 GC	HX,RR2	C250	108.7	16.8	6.8	25.7	\$457.1	11
Wensman	W8180STX	SS	P250	106.5	20.3	1.0	29.5	\$438.5	15
Hyland	HLCVR64	VT3	P250	105.4	17.2	4.7	24.2	\$442.2	13
Gold Country	95-11	VT3	P250	104.8	17.6	3.0	25.2	\$438.6	14
NuTech	G2 5H-891A^	HX,RR2	C250	104.1	13.2	3.0	23.7	\$447.1	12
Producers	5314VT3	VT3	P250	103.5	16.6	9.0	26.6	\$436.2	16
Dairyland	ST6992	RR2	C250	103.2	16.3	2.0	25.7	\$435.2	17
Hyland	HL8454*	SS	P250	102.6	17.5	9.0	27.6	\$429.6	19
Wensman	W7143VT3	VT3	P250	102.0	16.2	2.0	26.6	\$430.4	18
NuTech	G2 5H-896A^	HX,RR2	C250	97.7	19.2	6.0	23.7	\$405.0	24
Proseed	794*	3000GT	C250	97.6	14.0	2.0	23.7	\$417.2	20
Gold Country	98-39	VT3	P250	97.5	16.5	15.3	19.4	\$410.7	21
NuTech	G2 5H-992^	HX,RR2	C250	97.2	17.3	2.0	23.7	\$407.5	22
Jung	7344VT3	VT3	P250	95.8	15.9	2.0	22.2	\$405.0	23
Gold Country	94-29	VT3	P250	95.7	17.4	2.0	24.2	\$401.0	25
Pannar	4B-910	VT3	C250	94.4	16.3	8.7	24.2	\$398.1	26
Mustang	3319VT3	VT3	P250	93.8	16.1	3.7	23.2	\$396.1	27
Producers	XP5404VT3	VT3	P250	92.3	18.1	1.0	27.6	\$385.1	29
Channel	193-46VT3	VT3	P250	92.2	16.1	12.7	25.6	\$389.3	28
Dekalb	DKC42-72 GC	VT3	P250	90.3	16.6	1.0	23.7	\$380.2	30
Pannar	4E-705	VT3	C250	89.2	16.9	12.7	26.6	\$374.9	31
Johnson	JSC4902 CK	GT/CB/LL	AVC	117.6	15.7	12.7	23.2	\$497.7	6
Test Average =				93.6	16.4	7.3	24.6	\$394.4	
LSD (0.10) =				33.6	2.1	15.5			
C.V. =				26.5	9.6				

TEST COMMENTS: Too much moisture was the main weather stress in this plot during the growing season. The early test drained better and yield data shows that. A late October storm caused some stalk lodging as winds reached 50 mph. Most stalks held their ears and we were able to harvest. The full season test had water damage. Lat: N46.62958, Long: W96.85243

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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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- STS[®] is a registered trademark of E.I. DuPont Nemours & Co.
- Optimize[®] is a trademark of EMD Crop BioScience Inc.
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