

2011 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: Soybean / Roundup B1RDRV01a

SOIL DESCRIPTION: Formdale-Aazdahl-Floam clay loam, moderately drained, conventional w/ fall till, non-irrigated

SOIL CONDITION: Moderate P, high K, 7.8 pH, 4% OM

PEST MANAGEMENT: Roundup, Status 30" ROW SPACING

FERTILITY - Applied N: 140 Fall,

Applied N-P-K (units): 140-60-30

SEEDED - RATE: May 16 30,100 /A TOP 30 OF 48 FOR GROSS INCOME (SORTED BY YIELD)

HARVESTED - STAND: Oct 19 27,800 /A AVERAGE of (3) REPLICATIONS

| Company/Brand | Product/Brand | Technology [†] | IST ^{††} | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|------------------|---------------|-------------------------|-------------------|----|--------------|-------------|-------------|----------------|----------------------|------|
| Rea | 3B330 | VT2P | P250,V | 90 | 184.0 | 13.3 | 6.3 | 29.0 | 1,104.0 | 1 |
| Producers | 4972RR | RR2 | P500,V | 89 | 180.5 | 13.1 | 6.3 | 28.5 | 1,083.0 | 2 |
| Channel | 190-21VT3P | VT3P | P500,V | 90 | 175.1 | 13.1 | 7.0 | 29.5 | 1,050.6 | 3 |
| Dairyland | ST-7985 | GT/CB/LL | C250 | 86 | 173.9 | 13.2 | 9.7 | 28.0 | 1,043.4 | 4 |
| Mustang | 2307 | VT3 | P500,V | 86 | 171.9 | 13.3 | 1.0 | 27.6 | 1,031.4 | 5 |
| Seeds 2000 | 2852GTCBLL | GT/CB/LL | C250 | 85 | 171.8 | 13.5 | 10.0 | 28.5 | 1,030.8 | 6 |
| Proseed | 1189GT* | GT | C250 | 89 | 170.7 | 13.2 | 18.7 | 27.6 | 1,024.2 | 7 |
| Seeds 2000 | 2903GTCBLL | GT/CB/LL | C250 | 90 | 168.8 | 12.8 | 5.7 | 28.1 | 1,012.8 | 8 |
| Renk | RK334RR | RR2 | P250 | 90 | 168.7 | 12.9 | 3.7 | 26.6 | 1,012.2 | 9 |
| Proseed | 1086-3000GT* | 3000GT | C250 | 86 | 164.1 | 13.0 | 7.0 | 26.1 | 984.6 | 10 |
| Kruger | K-7386 | VT3P | P500,V | 86 | 163.8 | 13.0 | 2.0 | 25.6 | 982.8 | 11 |
| Dyna-Gro | 52V01 | VT3 | P250 | 87 | 163.3 | 13.4 | 2.0 | 29.0 | 979.8 | 12 |
| Mustang | 3026 | GT/CB/LL | P500,V | 90 | 162.3 | 13.0 | 13.7 | 28.1 | 973.8 | 13 |
| Channel | 190-95VT3P | VT3P | P500,V | 90 | 162.2 | 12.9 | 1.0 | 29.5 | 973.2 | 14 |
| Rea | 2V550 | VT3P | P250 | 85 | 161.6 | 13.1 | 3.7 | 29.5 | 969.6 | 15 |
| Wensman | W 8089VT2PRO | VT2P | P250 | 86 | 161.5 | 12.9 | 3.7 | 28.1 | 969.0 | 16 |
| Dairyland | ST-9085 | 3000GT | C250 | 85 | 160.8 | 13.0 | 7.0 | 29.0 | 964.8 | 17 |
| AgVenture/Scherr | 2708 | 3000GT | P250 | 88 | 160.6 | 13.3 | 11.3 | 30.0 | 963.6 | 18 |
| Dyna-Gro | 51V57 | VT3 | P250 | 85 | 159.9 | 12.8 | 2.0 | 28.1 | 959.4 | 19 |
| NuTech | 5N-290* | 3000GT | C250 | 90 | 156.3 | 12.7 | 11.7 | 28.1 | 937.8 | 20 |
| G2 Genetics | 5X-9101^ | HXT,RR2 | P1250,V | 90 | 156.0 | 13.0 | 9.7 | 29.5 | 936.0 | 21 |
| NuTech | 5N-186* | 3000GT | C250 | 86 | 155.7 | 12.7 | 13.7 | 27.1 | 934.2 | 22 |
| Kruger | K-4189 | VT2P | P500,V | 89 | 151.9 | 12.9 | 10.0 | 27.6 | 911.4 | 23 |
| Gold Country | 89-43 | STX | P250 | 89 | 151.7 | 13.8 | 9.7 | 27.6 | 910.2 | 24 |
| Dyna-Gro | D27GC19 | GT/CB/LL | P250 | 87 | 150.7 | 13.4 | 3.7 | 25.6 | 904.2 | 25 |
| Rea | 3B266 | VT2P | P250 | 89 | 150.6 | 13.0 | 11.7 | 28.1 | 903.6 | 26 |
| Renk | RK302GTCBLLRW | 3000GT | C250 | 90 | 148.1 | 12.5 | 5.7 | 27.1 | 888.6 | 28 |
| Gold Country | 89-09 | VT3P | P250 | 89 | 147.8 | 12.7 | 7.0 | 28.5 | 886.8 | 29 |
| Gold Country | 87-27 | VT2P | P250 | 87 | 143.7 | 12.7 | 10.0 | 27.6 | 862.2 | 30 |
| Wensman | W 7107VT3 | VT3 | P250 | 90 | 142.3 | 13.4 | 5.7 | 30.0 | 853.8 | 31 |
| Rea | 3V376 CK | VT3P | P250 | 89 | 150.2 | 12.9 | 10.0 | 26.6 | 901.2 | 27 |
| Test Average = | | | | | 150.6 | 13.1 | 11.2 | 27.8 | 903.4 | |
| LSD (0.10) = | | | | | 22.2 | 0.4 | 14.4 | | | |
| C.V. = | | | | | 10.8 | 2.1 | | | | |

TEST COMMENTS: This site had some green snap issues and the lodging score reflects the amount of green snap. We also had some goose necked corn in the plot which made harvest a challenge at times. The varieties that stood the best at harvest typically yielded better.

The dry weather this fall made for good grain moistures at harvest. September 15 frost occurred. Lat: N46.03627, Long: W-96.05404

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.050 Price = \$6.00

[†] TECHNOLOGY: **Corn Borer** - 3000GT, 3111, CB, HX, HXT, STX, VT2P, VT3, VT3P; **Corn Rootworm** - 3000GT, 3111, AMRW, HXT, RW, STX, VT3, VT3P; **Glyphosate** - 3000GT, 3111, GT, RR2, STX, VT2P, VT3, VT3P; **Liberty** - 3000GT, 3111, HX, HXT, LL, STX

^{††} IST: **AV** - Avicta, **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 comparison product, * = brands without a seed lot number; **ns** = not significantly different

2011 BETTER HYBRIDS Harvest Report for Red River Valley [RDRV]
 Chad Biss, Grant County, MN 56531 [ELBOW LAKE]

FULL SEASON TEST
91 - 94 Day CRM

B1RDRV01b

PREV. CROP/HERB: Soybean / Roundup
 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% OM
 PEST MANAGEMENT: Roundup, Status
 FERTILITY - Applied N: 140 Fall,
 Applied N-P-K (units): 140-60-30

30" ROW SPACING

SEEDED - RATE: May 16 30,100 /A
 HARVESTED - STAND: Oct 19 28,100 /A

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

AVERAGE of (3) REPLICATIONS

| Company/Brand | Product/Brand | Technology [†] | IST ^{††} | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|---------------|-------------------------|-------------------|----|------------|------------|-----------|----------------|----------------------|------|
| Hyland | 8323 | STX | P250 | 92 | 178.3 | 14.7 | 6.0 | 29.0 | 1,248.1 | 1 |
| Kruger | K-4292 | VT2P | P500,V | 92 | 162.1 | 13.2 | 4.7 | 29.0 | 1,134.7 | 2 |
| Gold Country | 94-29 | VT3 | P250 | 94 | 161.5 | 13.2 | 2.0 | 28.1 | 1,130.5 | 3 |
| Rea | 3T544 | VT3 | P250 | 92 | 160.0 | 14.0 | 1.0 | 27.6 | 1,120.0 | 4 |
| Mustang | 3347 | VT3 | P500,V | 92 | 159.7 | 13.2 | 7.0 | 28.1 | 1,117.9 | 5 |
| Stine | 9206RR* | RR2 | C250 | 91 | 159.6 | 12.9 | 2.0 | 28.1 | 1,117.2 | 6 |
| Renk | RK530VT3P | VT3P | P250 | 94 | 158.4 | 13.6 | 4.7 | 29.0 | 1,108.8 | 7 |
| Renk | RK434VT3P | VT3P | P250 | 92 | 158.2 | 13.4 | 3.7 | 27.1 | 1,107.4 | 8 |
| Wensman | W 7140VT3PRO | VT3P | P250 | 93 | 156.4 | 13.6 | 2.0 | 27.1 | 1,094.8 | 10 |
| Stine | 9311VT3Pro* | VT3P | C250 | 93 | 154.6 | 13.9 | 6.0 | 28.5 | 1,082.2 | 11 |
| Wensman | W 6193RR | RR2 | P250 | 94 | 153.7 | 12.7 | 2.0 | 26.6 | 1,075.9 | 12 |
| Gold Country | 93-07 | VT3P | P250 | 93 | 153.4 | 12.9 | 3.7 | 29.5 | 1,073.8 | 13 |
| Rea | 4B285 | VT2P | P250 | 93 | 153.4 | 12.8 | 6.0 | 29.0 | 1,073.8 | 14 |
| Producers | 5223VT2Pro | VT2P | P500,V | 92 | 152.9 | 12.8 | 8.0 | 28.6 | 1,070.3 | 15 |
| Channel | 193-46VT3 | VT3 | P500,V | 93 | 152.5 | 13.3 | 3.0 | 28.6 | 1,067.5 | 16 |
| Proseed | 1091-3000GT* | 3000GT | C250 | 91 | 151.9 | 12.2 | 16.7 | 29.0 | 1,063.3 | 17 |
| Proseed | 1193VT3Pro* | VT3P | C250 | 93 | 151.5 | 13.6 | 3.0 | 31.0 | 1,060.5 | 18 |
| Producers | 5408STX | STX | P500,V | 94 | 150.4 | 14.9 | 1.0 | 27.1 | 1,052.8 | 19 |
| Channel | 194-27VT2P | VT2P | P500,V | 94 | 148.6 | 13.4 | 7.0 | 28.1 | 1,040.2 | 20 |
| Seeds 2000 | 9202VT2P | VT2P | P250 | 92 | 147.9 | 12.7 | 5.7 | 28.5 | 1,035.3 | 21 |
| Proseed | 1191VT3Pro* | VT3P | C250 | 91 | 146.2 | 12.9 | 3.0 | 27.1 | 1,023.4 | 22 |
| Wensman | W 7143VT3 | VT3 | P250 | 93 | 146.2 | 13.2 | 11.7 | 29.0 | 1,023.4 | 23 |
| Dyna-Gro | D35RR40 | RR2 | P250 | 95 | 145.9 | 13.0 | 4.7 | 29.5 | 1,021.3 | 24 |
| Dairyland | ST-7291 | HX,RR2 | C250 | 91 | 144.5 | 12.7 | 9.7 | 25.6 | 1,011.5 | 25 |
| Gold Country | 93-39 | VT3P | P250 | 93 | 144.5 | 13.3 | 11.7 | 30.0 | 1,011.5 | 26 |
| Stine | 9207GTCBLL* | GT/CB/LL | C250 | 91 | 144.1 | 12.8 | 5.7 | 26.6 | 1,008.7 | 27 |
| Dairyland | ST-9992 | VT3 | C250 | 92 | 143.9 | 14.0 | 7.0 | 27.6 | 1,007.3 | 28 |
| G2 Genetics | 5H-492^ | HX,RR2 | P1250,V | 92 | 141.7 | 12.8 | 14.0 | 24.2 | 991.9 | 29 |
| Kruger | K-7194 | VT3P | P500,V | 94 | 140.9 | 12.8 | 4.7 | 28.1 | 986.3 | 30 |
| Dyna-Gro | D32VP29 | VT3P | P250 | 92 | 140.8 | 12.7 | 6.0 | 28.5 | 985.6 | 31 |
| Rea | 3V376 CK | VT3P | P250 | 89 | 156.4 | 12.6 | 2.0 | 28.0 | 1,094.8 | 9 |
| Test Average = | | | | | 144.8 | 13.1 | 8.2 | 28.1 | 1,013.5 | |
| LSD (0.10) = | | | | | 20.1 | 1.3 | 13.4 | | | |
| C.V. = | | | | | 10.2 | 7.1 | | | | |



F.I.R.S.T. Manager

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^{††} IST: AV - Avicta, 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 comparison product, * = brands without a seed lot number, ns = not significantly different

 Complete brands tested list & searchable database available at www.firstseedtests.com

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Report Date: 10/21/2011

Revised:



Footnotes, Abbreviations, and Trademarks

Brand Footnotes

^G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doeblers PA Seed. Supreme EX® brand seed is distributed by Seed Consultants, Inc. XL™ and Phoenix™ brand seeds are distributed by Beck's Superior Hybrids. G2®, RPM®, Supreme EX®, and XL™ are trademarks of Pioneer Hi-Bred.

Technologies

| | |
|----------|---------------------------------------|
| 3000GT | Agrisure® 3000GT |
| 3111 | Agrisure® Viptera™ 3111 |
| AMRW | Optimum® AcreMax™ Rootworm Protection |
| 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® herbicide tolerance |
| RR | Roundup Ready® Soybeans |
| RR2 | Roundup Ready® Corn 2 |
| RR2Y | Genuity® Roundup Ready 2 Yield® |
| STX | SmartStax® |
| STS | STS® herbicide tolerance |
| VT2P | Genuity® VT Double PRO™ |
| VT3 | YieldGard VT Triple® |
| VT3P | Genuity® VT Triple PRO™ |

Seed Treatments

| | |
|----|-----------------|
| A | Allegiance® |
| AC | Acceleron® |
| AM | ApronMaxx® |
| AP | Apron XL® |
| AV | Avicta® |
| C | Cruiser® |
| CM | CruiserMaxx® |
| E | Excalibre™ |
| I | Inovate™ System |
| G | Gaucho® |
| O | Optimize® |
| P | Poncho® |
| T | Trilex® |
| T2 | Trilex® 2000 |
| T6 | Trilex® 6000 |
| V | VOTIVO® |

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