

2010 BETTER HYBRIDS Harvest Report for Red River Valley [RDRV]
 Todd Larson, Ransom County, ND 58060 [GWINNER]

EARLY SEASON TEST
85 - 90 Day CRM

PREV. CROP/HERB: Soybean / Roundup, Assure II B0RDRV05a
 SOIL DESCRIPTION: Barnes-Svea loam, well drained, conventional w/ fall till, non-irrigated
 SOIL CONDITIONS: Moderate P, mod. low K, 6.5 pH, 3.1% OM
 PEST MANAGEMENT: Roundup twice 30" ROW SPACING
 FERTILITY - Applied N: 100 Fall,
 Applied N-P-K (units): 100-40-20
 SEEDING - RATE: May 20 31,000 /A TOP 30 OF 58 FOR GROSS INCOME (SORTED BY YIELD)
 HARVESTED - STAND: Oct 23 29,900 /A AVERAGE of (3) REPLICATIONS

| Company | Brand | Technology [†] | IST ^{††} | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|------------------|-------------------------|-------------------|---------------|---------------|--------------|-------------------|-------------------------|------|
| Titan Pro | 80A85GL | 3000GT | C250 | 183.9 | 14.0 | 2.0 | 29.5 | \$786.2 | 1 |
| Hyland | HLB32R* | GT/CB/LL | P250 | 182.2 | 13.7 | 1.0 | 30.5 | \$780.3 | 2 |
| Jung | 7236VT3 | VT3 | P250 | 178.8 | 13.6 | 1.0 | 31.0 | \$766.2 | 3 |
| Johnson | JSC4891RR | RR2 | P250 | 167.6 | 14.8 | 1.0 | 29.5 | \$713.1 | 4 |
| Proseed | 990 | GT/CB/LL | C250 | 165.9 | 14.9 | 1.0 | 29.0 | \$705.5 | 5 |
| Mustang | 3026 | GT/CB/LL | C250 | 164.0 | 13.8 | 1.0 | 32.4 | \$701.9 | 7 |
| NuTech | G2 5H-589A* | HX,RR2 | C250 | 163.6 | 13.3 | 1.0 | 27.6 | \$702.3 | 6 |
| Renk | RK334RR | RR2 | P250 | 163.6 | 13.7 | 1.0 | 30.5 | \$700.6 | 8 |
| NK Brand | N23K GT/CB/LL GC | GT/CB/LL | C250 | 163.1 | 14.1 | 2.0 | 30.0 | \$696.8 | 9 |
| NuTech | 5N-186 | 3000GT | C250 | 162.7 | 15.0 | 1.0 | 31.4 | \$691.5 | 12 |
| NuTech | G2 5H-891^ | HX,RR2 | C250 | 162.6 | 14.5 | 1.0 | 29.5 | \$693.1 | 11 |
| NuTech | 3C-889A | YGCB,RR2 | P250 | 162.1 | 14.5 | 1.0 | 29.0 | \$691.0 | 13 |
| Dairyland | ST9789 | VT3 | C250 | 162.0 | 14.4 | 1.0 | 32.4 | \$690.9 | 14 |
| Stine | 9204VT3 | VT3 | P250 | 161.1 | 14.9 | 1.0 | 29.0 | \$685.1 | 16 |
| Wensman | W6105RR | RR2 | P250 | 160.8 | 14.1 | 1.0 | 31.0 | \$687.0 | 15 |
| Wensman | W7089VT3 | VT3 | P250 | 158.6 | 13.3 | 1.0 | 30.5 | \$680.8 | 17 |
| Rea | 2T687 | VT3 | P250 | 158.4 | 13.8 | 1.0 | 30.0 | \$678.0 | 18 |
| Producers | 5004VT3 | VT3 | P250 | 157.5 | 14.2 | 1.0 | 31.0 | \$672.5 | 19 |
| Kruger | K-6286VT3 | VT3 | P250 | 156.0 | 14.4 | 1.0 | 31.9 | \$665.3 | 21 |
| NuTech | G2 5H-885^ | HX,RR2 | C250 | 155.1 | 13.4 | 2.0 | 28.0 | \$665.4 | 20 |
| Hyland | HL8234* | SS | P250 | 154.5 | 13.0 | 1.0 | 31.0 | \$664.4 | 22 |
| NuTech | 3A-889 | RR2 | P250 | 154.1 | 14.7 | 1.0 | 29.5 | \$656.1 | 23 |
| Mycogen | 2P174 | YGCB,RR2 | C250 | 151.9 | 14.8 | 1.0 | 30.0 | \$646.3 | 25 |
| NuTech | G2 5H-884^ | HX,RR2 | C250 | 151.8 | 13.9 | 1.0 | 26.1 | \$649.3 | 24 |
| Kruger | K-6490VT3 | VT3 | C250 | 151.0 | 13.9 | 1.0 | 30.9 | \$645.9 | 26 |
| Renk | RK302GTCBLL | CB/LL | P250 | 149.8 | 14.2 | 2.0 | 32.4 | \$639.6 | 27 |
| Rea | 3V376 | VT3P | P250 | 149.1 | 13.9 | 1.0 | 30.5 | \$637.8 | 28 |
| Jung | 4D299 | VT2P | P250 | 149.0 | 13.9 | 1.0 | 31.9 | \$637.3 | 29 |
| Channel | 189-59VT3 | VT3 | P250 | 149.0 | 14.3 | 1.0 | 28.1 | \$635.9 | 30 |
| Johnson | JSC4869VT3 | VT3 | P250 | 147.6 | 13.1 | 1.0 | 30.5 | \$634.3 | 31 |
| Johnson | JSC4902 CK | GT/CB/LL | AVC | 162.4 | 13.7 | 1.0 | 30.0 | \$695.5 | 10 |
| Test Average = | | | | 150.4 | 13.9 | 1.2 | 29.9 | \$643.6 | |
| LSD (0.10) = | | | | 19.1 | 1.1 | n.s. | | | |
| C.V. = | | | | 9.4 | 5.8 | | | | |

TEST COMMENTS: This area had timely rain through August and produced some good plot results. Had no disease issues and so no problem with lodging. A nice looking stand of corn at harvest time. This area was a little on the wet side most of the year but the corn crop handled it well.

Lat: N46.28283, Long: W97.57509

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]
 Todd Larson, Ransom County, ND 58060 [GWINNER]

FULL SEASON TEST
91 - 94 Day CRM

PREV. CROP/HERB: Soybean / Roundup, Assure II B0RDRV05b
 SOIL DESCRIPTION: Barnes-Svea loam, well drained, conventional w/ fall till, non-irrigated
 SOIL CONDITIONS: Moderate P, mod. low K, 6.5 pH, 3.1% OM
 PEST MANAGEMENT: Roundup twice 30" ROW SPACING
 FERTILITY - Applied N: 100 Fall,
 Applied N-P-K (units): 100-40-20
 SEEDING - RATE: May 20 31,000 /A TOP 30 OF 51 FOR GROSS INCOME (SORTED BY YIELD)
 HARVESTED - STAND: Oct 23 29,600 /A AVERAGE of (3) REPLICATIONS

| Company | Brand | Technology [†] | IST ^{††} | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|-------------------------|-------------------------|-------------------|---------------|---------------|--------------|-------------------|-------------------------|------|
| Producers | XP5404VT3 | VT3 | P250 | 185.1 | 16.8 | 1.0 | 28.5 | \$778.3 | 1 |
| Johnson | JSC4939V3P | VT3P | P250 | 180.4 | 16.5 | 1.0 | 29.0 | \$759.9 | 2 |
| NuTech | G2 5X-895 [^] | HXT,RR2 | C250 | 170.8 | 19.5 | 1.0 | 31.0 | \$706.7 | 5 |
| NuTech | 3T-393 GC | VT3 | C250 | 170.5 | 16.7 | 1.0 | 29.5 | \$717.4 | 3 |
| Channel | 194-27VT3 | VT3 | P250 | 170.2 | 17.6 | 1.0 | 30.0 | \$712.3 | 4 |
| Kruger | K-7495 | VT3P | P250 | 167.5 | 18.6 | 1.0 | 31.0 | \$696.8 | 11 |
| Jung | 7344VT3 | VT3 | P250 | 166.8 | 16.5 | 1.0 | 30.0 | \$702.6 | 6 |
| Proseed | 794* | 3000GT | C250 | 166.0 | 16.9 | 1.0 | 30.5 | \$697.6 | 10 |
| Gold Country | 94-29 | VT3 | P250 | 165.8 | 16.2 | 1.0 | 30.0 | \$699.7 | 8 |
| Mycogen | 2J337 | VT3 | C250 | 165.6 | 15.8 | 1.0 | 31.0 | \$700.5 | 7 |
| Rea | 3V440 | VT3P | P250 | 165.0 | 15.5 | 1.0 | 29.5 | \$699.2 | 9 |
| Kruger | K-6194VT3 | VT3 | P500,V | 164.0 | 16.2 | 2.0 | 28.6 | \$692.1 | 12 |
| Dairyland | ST6992 | RR2 | C250 | 161.9 | 15.8 | 1.0 | 28.5 | \$684.8 | 13 |
| Dyna-Gro | CX010194* | RR2 | P250 | 161.4 | 15.9 | 1.0 | 27.6 | \$682.3 | 14 |
| Dekalb | DKC42-72 GC | VT3 | P250 | 159.4 | 15.9 | 1.0 | 32.4 | \$673.9 | 16 |
| NuTech | 5B-290 | GT/CB/LL | C250 | 159.1 | 15.2 | 17.0 | 30.5 | \$675.4 | 15 |
| Jung | 7410VT3 | VT3 | P250 | 159.1 | 17.7 | 1.0 | 28.5 | \$665.4 | 20 |
| Rea | 4T286 | VT3 | P250 | 159.0 | 17.0 | 1.0 | 29.0 | \$667.8 | 18 |
| Jung | 7V316 | VT3P | P250 | 157.2 | 14.7 | 1.0 | 28.5 | \$669.3 | 17 |
| NuTech | G2 5H-891A [^] | HX,RR2 | C250 | 156.8 | 14.9 | 1.0 | 30.5 | \$666.8 | 19 |
| Pannar | 4B-910 | VT3 | C250 | 156.5 | 17.2 | 1.0 | 31.5 | \$656.5 | 21 |
| NuTech | 5N-695A | 3000GT | C250 | 155.9 | 17.8 | 1.0 | 28.1 | \$651.7 | 22 |
| Rea | 3T544 | VT3 | C250 | 155.0 | 17.2 | 1.0 | 29.5 | \$650.2 | 23 |
| Proseed | 894 | VT3 | P250 | 152.2 | 16.9 | 1.0 | 29.0 | \$639.6 | 25 |
| NuTech | G2 5H-992 [^] | HX,RR2 | C250 | 150.6 | 14.4 | 2.0 | 30.0 | \$642.3 | 24 |
| Kruger | K-7593 | VT3P | P250 | 150.6 | 16.4 | 1.0 | 31.5 | \$634.8 | 26 |
| Johnson | JSC4921RR | RR2 | P250 | 150.0 | 16.1 | 1.0 | 30.0 | \$633.4 | 27 |
| Gold Country | 95-11 | VT3 | P250 | 149.1 | 15.8 | 1.0 | 30.5 | \$630.7 | 28 |
| Wensman | W7107VT3 | VT3 | P250 | 148.9 | 16.4 | 1.0 | 30.0 | \$627.6 | 29 |
| Pannar | 4E-705 | VT3 | C250 | 148.3 | 15.9 | 1.0 | 29.5 | \$626.9 | 30 |
| Johnson | JSC4902 CK | GT/CB/LL | AVC | 146.6 | 15.1 | 9.0 | 32.4 | \$622.7 | 32 |
| Test Average = | | | | 152.8 | 16.5 | 1.5 | 29.6 | \$643.7 | |
| LSD (0.10) = | | | | 22.3 | 1.1 | 5.8 | | | |
| C.V. = | | | | 10.7 | 5.1 | | | | |

TEST COMMENTS: *This area had timely rain through August and produced some good plot results. Had no disease issues and so no problem with lodging. A nice looking stand of corn at harvest time. This area was a little on the wet side most of the year but the corn crop handled it well.*
 Lat: N46.28283, Long: W97.57509

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



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.
- Escalate[™] is a trademark of Beck's Superior Hybrids
- Herculex[®] is a trademark of Dow AgroSciences LLC.
- STS[®] is a registered trademark of E.I. DuPont Nemours & Co.
- Optimize[®] is a trademark of EMD Crop BioScience Inc.
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