

2011 BETTER HYBRIDS Harvest Report for Iowa North West [IANW]

Mark Hibbing, O'Brien County, IA 51046 [PAULLINA]

EARLY SEASON TEST
101 - 106 Day CRM

B1IANW03a

PREV. CROP/HERB: Soybean / Roundup

SOIL DESCRIPTION: Galva silty clay loam, well drained, minimum w/o fall till, non-irrigated

SOIL CONDITION: High P, high K, 6 pH, 4.5% OM

PEST MANAGEMENT: Harness Xtra, Impact, Force 3G

30" ROW SPACING

FERTILITY - Applied N: 135 Spring,

Applied N-P-K (units): 135-80-100

SEEDED - RATE: May 2 35,100 /A

TOP 30 OF 54 FOR GROSS INCOME (SORTED BY YIELD)

HARVESTED - STAND: Oct 20 34,200 /A

AVERAGE of (3) REPLICATIONS

| Company/Brand | Product/Brand | Technology [†] | IST ^{††} | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank | |
|---------------|---------------|-------------------------|-------------------|-----|----------------|--------------|-------------|----------------|----------------------|----------------|--|
| Dekalb | DKC53-78 GC | STX | P250 | 103 | 203.9 | 13.1 | 2.0 | 33.6 | 1,386.5 | 1 | |
| G2 Genetics | 5H-0601^ | HX,RR2 | P1250,V | 106 | 201.4 | 13.2 | 4.7 | 36.1 | 1,369.5 | 2 | |
| Kruger | K-6102VT3 | VT3 | P500,V | 102 | 198.9 | 12.7 | 3.0 | 35.2 | 1,352.5 | 3 | |
| G2 Genetics | 5H-905^ | HX,RR2 | C250 | 105 | 198.6 | 11.7 | 4.7 | 32.8 | 1,350.5 | 4 | |
| Producers | 6694VT3Pro | VT3P | P250 | 106 | 197.6 | 12.1 | 3.0 | 33.6 | 1,343.7 | 5 | |
| Stine | 9523VT3* | VT3 | C250 | 104 | 195.8 | 11.7 | 32.7 | 34.4 | 1,331.4 | 6 | |
| G2 Genetics | 5H-0701^ | HX,RR2 | C250 | 106 | 193.4 | 12.3 | 2.0 | 32.8 | 1,315.1 | 8 | |
| Wyffels | W4267 | VT3P | P250 | 105 | 193.1 | 14.0 | 3.0 | 35.2 | 1,313.1 | 9 | |
| Trelay | 6ST576 | STX | P500,V | 104 | 193.0 | 11.7 | 2.0 | 34.4 | 1,312.4 | 10 | |
| Jung | 7S555 | STX | P500 | 102 | 192.5 | 13.4 | 1.0 | 36.1 | 1,309.0 | 11 | |
| Renk | RK708VT3P | VT3P | P250 | 105 | 192.2 | 13.4 | 7.3 | 34.4 | 1,307.0 | 12 | |
| AgriGold | A6359STX | STX | P500,V | 105 | 191.8 | 12.8 | 1.0 | 33.6 | 1,304.2 | 13 | |
| Trelay | 6VP125 | VT3P | P500,V | 102 | 191.8 | 14.1 | 4.0 | 35.2 | 1,304.2 | 14 | |
| Producers | 6374VT3 | VT3 | P500,V | 103 | 191.4 | 13.0 | 36.3 | 34.4 | 1,301.5 | 15 | |
| Kruger | K-6201VT3 | VT3 | P500,V | 101 | 190.5 | 14.2 | 15.0 | 36.9 | 1,295.4 | 16 | |
| Great Lakes | 5339GT3 | 3000GT | P500,V | 103 | 190.4 | 13.9 | 3.0 | 36.9 | 1,294.7 | 17 | |
| Jung | 7V570 | VT3P | P500 | 105 | 190.2 | 12.8 | 2.0 | 36.9 | 1,293.4 | 18 | |
| Stine | 9529VT3Pro* | VT3P | C250 | 106 | 190.1 | 13.5 | 11.0 | 33.6 | 1,292.7 | 19 | |
| Gold Country | 103-09 | VT3 | P250 | 103 | 189.6 | 13.0 | 13.7 | 33.6 | 1,289.3 | 20 | |
| LG Seeds | LG2508VT3Pro | VT3P | P500,V | 104 | 189.3 | 13.0 | 22.0 | 32.8 | 1,287.2 | 21 | |
| LG Seeds | LG2535STX | STX | P500,V | 106 | 188.4 | 13.3 | 1.0 | 32.8 | 1,281.1 | 22 | |
| Viking | D44-06RL | STX | C250 | 106 | 188.0 | 13.4 | 2.0 | 36.1 | 1,278.4 | 23 | |
| Kruger | K4-9302 | STX | P500,V | 102 | 187.8 | 13.2 | 3.0 | 36.9 | 1,277.0 | 24 | |
| AgriGold | A6319VT3Pro | VT3P | P500,V | 103 | 187.4 | 14.0 | 4.0 | 32.8 | 1,274.3 | 25 | |
| Kruger | K4-9205 | STX | P500,V | 105 | 187.0 | 13.3 | 2.0 | 31.1 | 1,271.6 | 26 | |
| Viking | 50-04N | none | C250 | 104 | 186.4 | 13.2 | 1.0 | 28.7 | 1,267.5 | 27 | |
| Gold Country | 101-99 | STX | P250 | 104 | 183.4 | 13.2 | 1.0 | 37.7 | 1,247.1 | 28 | |
| Dyna-Gro | D40SS09 | STX | P250 | 100 | 181.9 | 13.1 | 3.7 | 32.0 | 1,236.9 | 29 | |
| Titan Pro | X1051L | CB/LL | C250 | 105 | 181.2 | 14.9 | 11.3 | 34.4 | 1,232.2 | 30 | |
| Jung | 7V546 | VT3P | P500 | 102 | 180.8 | 12.9 | 3.0 | 35.3 | 1,229.4 | 31 | |
| Pioneer | P0528 CK | none | C250 | 105 | 193.4 | 13.6 | 1.0 | 34.5 | 1,315.1 | 7 | |
| | | | | | Test Average = | 182.1 | 13.1 | 7.2 | 34.2 | 1,238.5 | |
| | | | | | LSD (0.10) = | 14.5 | 1.5 | 10.1 | | | |
| | | | | | C.V. = | 5.9 | 8.4 | | | | |



F.I.R.S.T. Manager

TEST COMMENTS: *A cool and wet start to the season was followed by hot and dry weather during ear formation and pollination resulting in under-developed root systems limiting moisture uptake through reproductive stages. Combined with foliar stress from Gray leaf spot & Eyespot, this resulted in short ears, tip dieback up to 1" and relatively shallow kernel depth.*

Lat: N43.03063, Long: W-95.6618

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.5 Drying = \$0.045 Price = \$6.80

[†] 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

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

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Report Date: 10/22/2011

Revised:

2011 BETTER HYBRIDS Harvest Report for Iowa North West [IANW]

Mark Hibbing, O'Brien County, IA 51046 [PAULLINA]

FULL SEASON TEST
107 - 110 Day CRM

B1IANW03b

PREV. CROP/HERB: Soybean / Roundup

SOIL DESCRIPTION: Galva silty clay loam, well drained, minimum w/o fall till, non-irrigated

SOIL CONDITIONS: High P, high K, 6 pH, 4.5% OM

PEST MANAGEMENT: Harness Xtra, Impact, Force 3G

30" ROW SPACING

FERTILITY - Applied N: 135 Spring,

Applied N-P-K (units): 135-80-100

SEEDED - RATE: May 2 35,100 /A

TOP 30 OF 48 FOR GROSS INCOME (SORTED BY YIELD)

HARVESTED - STAND: Oct 20 34,100 /A

AVERAGE of (3) REPLICATIONS

| Company/Brand | Product/Brand | Technology [†] | IST ^{††} | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|-----------------|----------------|-------------------------|-------------------|-----|--------------|-------------|------------|----------------|----------------------|------|
| Renk | RK818VT3P | VT3P | P250 | 108 | 205.8 | 15.2 | 1.0 | 34.4 | 1,397.6 | 1 |
| Trelay | 6VT823 | VT3 | P500,V | 107 | 205.0 | 14.1 | 4.7 | 32.8 | 1,394.0 | 2 |
| Fielders Choice | NG6731 | VT3 | P250 | 107 | 204.1 | 14.3 | 1.0 | 34.4 | 1,387.9 | 3 |
| Fielders Choice | NG6788 | VT3 | P250 | 111 | 201.1 | 15.5 | 2.0 | 37.7 | 1,363.0 | 4 |
| Stine | 9731VT3Pro* | VT3P | C250 | 110 | 200.4 | 14.1 | 8.0 | 34.4 | 1,362.7 | 5 |
| G2 Genetics | 5X-411^* | HXT,RR2 | C250 | 111 | 199.6 | 15.4 | 4.0 | 31.2 | 1,353.7 | 6 |
| NuTech | 5B-1003* | GT/CB/LL | C250 | 110 | 198.8 | 13.0 | 2.0 | 31.2 | 1,351.8 | 7 |
| Gold Country | 110-35 | VT3 | P250 | 110 | 195.7 | 14.6 | 1.0 | 37.7 | 1,330.8 | 8 |
| Channel | 209-77VT3 | VT3 | P500,V | 109 | 195.6 | 13.6 | 3.7 | 32.8 | 1,330.1 | 9 |
| Channel | 209-85VT3P | VT3P | P500,V | 109 | 195.3 | 13.5 | 1.0 | 33.6 | 1,328.0 | 10 |
| Channel | 210-44VT2P | VT2P | P500,V | 110 | 195.3 | 13.9 | 3.0 | 36.9 | 1,328.0 | 11 |
| Wyffels | W5077 | VT3P | P250 | 107 | 195.2 | 13.7 | 3.0 | 36.9 | 1,327.4 | 12 |
| Titan Pro | 81A10 | CB/LL/RW | C250 | 110 | 194.4 | 14.2 | 1.0 | 37.7 | 1,321.9 | 13 |
| Trelay | 6VP844 | VT3P | P500,V | 107 | 193.9 | 13.3 | 1.0 | 34.4 | 1,318.5 | 14 |
| AgriGold | A6458VT3 | VT3 | P500,V | 110 | 193.9 | 13.3 | 4.0 | 33.6 | 1,318.5 | 15 |
| Producers | 7014VT3 | VT3 | P500,V | 110 | 193.0 | 12.5 | 3.0 | 34.4 | 1,312.4 | 16 |
| G2 Genetics | 5H-1001^ | HX,RR2 | P1250,V | 110 | 192.6 | 13.9 | 3.7 | 33.6 | 1,309.7 | 18 |
| Producers | 6944VT3 | VT3 | P500,V | 108 | 192.4 | 14.6 | 2.0 | 34.4 | 1,308.3 | 19 |
| Great Lakes | 5770VT3PRO | VT3P | P500,V | 107 | 191.5 | 12.6 | 5.7 | 32.8 | 1,302.2 | 20 |
| Kruger | K-6408VT3 | VT3 | P500,V | 108 | 191.0 | 13.5 | 7.3 | 36.1 | 1,298.8 | 21 |
| Titan Pro | 80A08GL | 3000GT | C250 | 108 | 191.0 | 15.2 | 5.7 | 31.2 | 1,297.1 | 22 |
| Great Lakes | 5939G3VT3 | VT3 | P500,V | 109 | 190.6 | 13.7 | 3.0 | 34.4 | 1,296.1 | 23 |
| LG Seeds | LG2555VT3 | VT3 | P500,V | 110 | 189.5 | 14.8 | 12.0 | 35.3 | 1,288.6 | 24 |
| NK Brand | N61P-3000GT GC | 3000GT | C250 | 107 | 189.3 | 13.7 | 1.0 | 31.1 | 1,287.2 | 25 |
| Renk | RK741VT3P | VT3P | P250 | 108 | 189.1 | 13.1 | 4.0 | 34.5 | 1,285.9 | 26 |
| Kruger | K-7907 | VT3P | P500,V | 107 | 188.6 | 13.7 | 1.0 | 31.2 | 1,282.5 | 27 |
| Channel | 210-57STX | STX | P500,V | 110 | 187.7 | 14.4 | 2.0 | 34.4 | 1,276.4 | 28 |
| NuTech | 5N-1004* | 3000GT | C250 | 110 | 187.1 | 14.6 | 4.0 | 34.4 | 1,272.3 | 29 |
| Stine | 9531VT3Pro* | VT3P | C250 | 107 | 186.6 | 14.5 | 2.0 | 35.2 | 1,268.9 | 30 |
| LG Seeds | LG2549VT3 | VT3 | P500,V | 109 | 186.6 | 13.4 | 4.7 | 34.4 | 1,268.9 | 31 |
| Pioneer | P0528 CK | none | C250 | 105 | 192.9 | 14.5 | 2.0 | 35.3 | 1,311.7 | 17 |
| Test Average = | | | | | 186.4 | 14.0 | 4.4 | 34.1 | 1,266.7 | |
| LSD (0.10) = | | | | | 10.9 | 1.5 | 5.1 | | | |
| C.V. = | | | | | 4.3 | 7.8 | | | | |



F.I.R.S.T. Manager

TEST COMMENTS: *A cool and wet start to the season was followed by hot and dry weather during ear formation and pollination resulting in under-developed root systems limiting moisture uptake through reproductive stages. Combined with foliar stress from Gray leaf spot & Eyespot, this resulted in short ears, tip dieback up to 1" and relatively shallow kernel depth.*

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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

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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 | Gaicho® |
| O | Optimize® |
| P | Poncho® |
| T | Trilex® |
| T2 | Trilex® 2000 |
| T6 | Trilex® 6000 |
| V | VOTIVO® |

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