

2011 BETTER HYBRIDS Harvest Report for Minnesota South East [MNSE]

Arthur & Paul Wendt, Olmsted County, MN 55934 [EYOTA]

EARLY SEASON TEST
95 - 100 Day CRM

B1MNSE03a

PREV. CROP/HERB: Soybean / Roundup

SOIL DESCRIPTION: Mt. Carroll silt loam, well drained, minimum w/o fall till, non-irrigated

SOIL CONDITION: High P, high K, 6.6 pH, 3.3% OM

PEST MANAGEMENT: Force, Harness, Roundup

30" ROW SPACING

FERTILITY - Applied N: 150 Spring,

Applied N-P-K (units): 150-60-60

SEEDED - RATE: May 4 35,680 /A

TOP 30 OF 72 FOR GROSS INCOME (SORTED BY YIELD)

HARVESTED - STAND: Oct 24 32,900 /A

AVERAGE of (3) REPLICATIONS

| Company/Brand | Product/Brand | Technology [†] | IST ^{††} | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|-----------------|---------------|-------------------------|-------------------|-----|--------------|-------------|------------|----------------|----------------------|------|
| Producers | 6044VT3 | VT3 | P250 | 100 | 229.5 | 16.2 | 0.3 | 34.8 | 1,370.1 | 1 |
| LG Seeds | LG2501VT3Pro | VT3P | P500,V | 100 | 228.9 | 15.8 | 0.0 | 34.4 | 1,368.8 | 2 |
| Trelay | 5VP688 | VT3P | P500,V | 101 | 228.2 | 15.4 | 0.0 | 33.4 | 1,366.9 | 3 |
| Viking | Y84-00RL | 3000GT | C250 | 100 | 227.7 | 16.0 | 0.0 | 33.9 | 1,360.5 | 4 |
| Wensman | W 7290VT3PRO | VT3P | P250 | 99 | 224.9 | 15.3 | 0.0 | 34.8 | 1,347.7 | 5 |
| G2 Genetics | 5H-0101^ | HX,RR2 | P1250,V | 100 | 223.8 | 15.5 | 0.0 | 33.9 | 1,340.0 | 6 |
| Gold Country | 95-15 | STX | P500,V | 95 | 222.7 | 16.1 | 0.0 | 28.3 | 1,330.1 | 7 |
| Channel | 197-32VT3P | VT3P | P500,V | 97 | 221.5 | 15.4 | 0.0 | 33.0 | 1,326.8 | 8 |
| Viking | C44-95R | VT3P | C250 | 96 | 221.0 | 14.7 | 0.0 | 34.4 | 1,326.0 | 9 |
| Jung | 7V429 | VT3P | P500 | 96 | 220.7 | 14.5 | 0.0 | 34.8 | 1,324.2 | 10 |
| Kruger | K-7495 | VT3P | P500,V | 95 | 220.5 | 14.8 | 0.0 | 32.5 | 1,323.0 | 11 |
| LG Seeds | LG2468VT3 | VT3 | P500,V | 97 | 220.5 | 14.9 | 0.0 | 34.8 | 1,323.0 | 12 |
| NuTech | 5N-001* | 3000GT | C250 | 100 | 220.1 | 15.9 | 0.0 | 31.6 | 1,315.6 | 15 |
| Mustang | 4404 | 3000GT | P500,V | 95 | 220.0 | 15.3 | 0.0 | 34.4 | 1,318.4 | 13 |
| Wensman | W 7270VT3PRO | VT3P | P250 | 97 | 219.3 | 14.8 | 0.0 | 34.4 | 1,315.8 | 14 |
| Renk | RK580VT3 | VT3 | P250 | 98 | 219.1 | 15.2 | 0.3 | 32.5 | 1,313.5 | 16 |
| Pioneer | P9910AM1 GC | HXT,RR2 | C250 | 99 | 218.9 | 15.4 | 0.0 | 34.4 | 1,311.2 | 17 |
| Anderson | 628VT3 | VT3 | C250 | 96 | 216.7 | 14.6 | 0.0 | 33.0 | 1,300.2 | 18 |
| LG Seeds | LG2478VT3Pro | VT3P | P500,V | 97 | 216.5 | 14.6 | 0.0 | 33.9 | 1,299.0 | 19 |
| Dekalb | DKC48-12 GC | STX | P500,V | 98 | 215.7 | 15.0 | 0.0 | 31.6 | 1,294.2 | 21 |
| AgriGold | A6203VT3 | VT3 | P500,V | 96 | 215.6 | 14.7 | 0.0 | 33.4 | 1,293.6 | 22 |
| Jung | 7S435 | STX | P500 | 97 | 214.5 | 16.3 | 0.0 | 31.6 | 1,280.0 | 24 |
| Mustang | 5808 | STX | P500,V | 98 | 214.1 | 15.4 | 0.0 | 34.4 | 1,282.5 | 23 |
| Kruger | K4-9100 | STX | P500,V | 100 | 214.1 | 16.0 | 0.0 | 33.4 | 1,279.2 | 25 |
| Gold Country | 96-20 | VT3P | P250 | 96 | 212.9 | 14.8 | 0.0 | 30.1 | 1,277.4 | 26 |
| CBseed | CB4444GT | GT | C250 | 97 | 212.9 | 15.3 | 0.3 | 35.3 | 1,275.8 | 27 |
| Mustang | 4689 | VT3 | P500,V | 95 | 212.7 | 15.3 | 0.0 | 33.4 | 1,274.6 | 28 |
| AgriGold | A6225VT3 | VT3 | P500,V | 98 | 212.3 | 15.6 | 0.0 | 26.4 | 1,270.6 | 29 |
| Fielders Choice | NG6514 | STX | P250 | 98 | 212.2 | 15.8 | 0.0 | 33.9 | 1,269.0 | 30 |
| Titan Pro | 80A00GL | 3000GT | C250 | 100 | 211.5 | 15.3 | 0.0 | 34.4 | 1,267.4 | 31 |
| Dekalb | DKC50-66 CK | VT3 | n/a | 100 | 216.2 | 15.2 | 0.0 | 34.4 | 1,296.1 | 20 |
| Test Average = | | | | | 210.5 | 15.5 | 0.1 | 32.9 | 1,260.5 | |
| LSD (0.10) = | | | | | 13.1 | 0.6 | ns | | | |
| C.V. = | | | | | 4.6 | 3.1 | | | | |



F.I.R.S.T. Manager

TEST COMMENTS: *Cool, wet conditions slowed early growth through June. July brought warm, humid weather that was conducive to good pollination. August stayed warm, but lack of moisture eventually caused some kernel tip-back. Paul reports that he is quite pleased with his corn yields, and soybean yields in this area were some of the best in MN this year.*

Lat: N43.97716, Long: W-92.24431

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

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

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Report Date: 10/25/2011

Revised:

2011 BETTER HYBRIDS Harvest Report for Minnesota South East [MNSE]

Arthur & Paul Wendt, Olmsted County, MN 55934 [EYOTA]

FULL SEASON TEST
101 - 104 Day CRM

B1MNSE03b

PREV. CROP/HERB: Soybean / Roundup

SOIL DESCRIPTION: Mt. Carroll silt loam, well drained, minimum w/o fall till, non-irrigated

SOIL CONDITIONS: High P, high K, 6.6 pH, 3.3% OM

PEST MANAGEMENT: Force, Harness, Roundup

30" ROW SPACING

FERTILITY - Applied N: 150 Spring,

Applied N-P-K (units): 150-60-60

SEEDED - RATE: May 4 35,680 /A

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

HARVESTED - STAND: Oct 24 34,800 /A

AVERAGE of (3) REPLICATIONS

| Company/Brand | Product/Brand | Technology [†] | IST ^{††} | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|---------------|-------------------------|-------------------|-----|--------------|-------------|------------|----------------|----------------------|------|
| AgriGold | A6276VT3 | VT3 | P500,V | 101 | 232.7 | 17.0 | 0.0 | 35.1 | 1,384.6 | 1 |
| AgriGold | A6323GT3 | 3000GT | P500,V | 103 | 228.8 | 17.3 | 0.0 | 35.6 | 1,359.6 | 2 |
| Channel | 201-16VT3 | VT3 | P500,V | 101 | 228.7 | 17.2 | 0.0 | 35.6 | 1,359.6 | 3 |
| Wensman | W 7360VT3 | VT3 | P250 | 103 | 228.2 | 16.9 | 0.0 | 34.6 | 1,358.4 | 4 |
| Kruger | K-6201VT3 | VT3 | P500,V | 101 | 227.8 | 17.6 | 0.7 | 35.6 | 1,352.0 | 5 |
| G2 Genetics | 5X-903^ | HXT,RR2 | P1250,V | 103 | 225.7 | 17.7 | 0.0 | 35.1 | 1,339.0 | 7 |
| Dekalb | DKC51-85 GC | STX | P500,V | 101 | 225.2 | 16.9 | 0.0 | 34.1 | 1,340.5 | 6 |
| Trelay | 6VT154 | VT3 | P500,V | 102 | 224.5 | 17.4 | 0.0 | 35.1 | 1,333.5 | 8 |
| Gold Country | 103-09 | VT3 | P250 | 103 | 223.6 | 18.5 | 0.0 | 34.6 | 1,322.0 | 11 |
| Channel | 203-43VT3P | VT3P | P500,V | 103 | 222.8 | 16.1 | 0.3 | 35.1 | 1,330.7 | 9 |
| Viking | Y54-04RL | 3000GT | C250 | 104 | 222.8 | 16.8 | 0.0 | 32.2 | 1,326.8 | 10 |
| Producers | 6364GT3 | 3000GT | P500,V | 103 | 220.9 | 17.3 | 0.0 | 36.6 | 1,312.7 | 13 |
| Wensman | W 7392GT3 | 3000GT | P250 | 104 | 220.5 | 18.2 | 0.0 | 35.6 | 1,305.4 | 16 |
| Kruger | K-4104 | VT2P | P500,V | 104 | 220.3 | 17.3 | 0.0 | 35.6 | 1,309.1 | 15 |
| Renk | RK698VT3 | VT3 | P250 | 102 | 220.0 | 16.3 | 0.0 | 33.6 | 1,312.9 | 12 |
| LG Seeds | LG2510STX | STX | P500,V | 103 | 219.8 | 16.5 | 0.0 | 34.6 | 1,310.6 | 14 |
| Gold Country | 101-99 | STX | P250 | 104 | 219.8 | 18.6 | 0.0 | 34.1 | 1,299.0 | 21 |
| Jung | 7S555 | STX | P500 | 102 | 219.6 | 17.7 | 0.0 | 34.6 | 1,302.8 | 19 |
| Jung | 7475VT3 | VT3 | P500 | 100 | 219.4 | 17.0 | 0.0 | 36.1 | 1,305.4 | 17 |
| Trelay | 6ST576 | STX | P500,V | 104 | 218.8 | 17.8 | 0.0 | 33.2 | 1,297.5 | 23 |
| Kruger | K4-9302 | STX | P500,V | 102 | 218.4 | 17.7 | 0.0 | 36.1 | 1,295.7 | 24 |
| Kruger | K-6102VT3 | VT3 | P500,V | 102 | 218.0 | 15.9 | 0.0 | 36.1 | 1,303.1 | 18 |
| Dairyland | ST-9799 | VT3 | C250 | 99 | 217.8 | 16.2 | 0.0 | 34.1 | 1,300.3 | 20 |
| Jung | 7V546 | VT3P | P500 | 102 | 217.8 | 16.5 | 0.0 | 33.6 | 1,298.6 | 22 |
| AgriGold | A6319VT3Pro | VT3P | P500,V | 103 | 217.2 | 16.8 | 0.0 | 35.1 | 1,293.4 | 25 |
| Dekalb | DKC53-78 GC | STX | n/a | 103 | 217.0 | 17.7 | 0.0 | 36.6 | 1,287.4 | 27 |
| Channel | 202-32STX | STX | P500,V | 102 | 216.5 | 16.8 | 0.0 | 35.6 | 1,289.3 | 26 |
| Titan Pro | 80A05GL | 3000GT | C250 | 105 | 216.3 | 17.9 | 0.0 | 33.6 | 1,282.1 | 28 |
| G2 Genetics | 5H-502^* | HX,RR2 | C250 | 102 | 215.7 | 18.0 | 0.0 | 34.6 | 1,278.0 | 29 |
| Wensman | W 7320VT3PRO | VT3P | P250 | 101 | 214.7 | 17.2 | 0.0 | 32.7 | 1,276.4 | 30 |
| Dekalb | DKC50-66 CK | VT3 | n/a | 100 | 210.3 | 16.2 | 0.0 | 35.1 | 1,255.5 | 38 |
| Test Average = | | | | | 214.1 | 17.1 | 0.1 | 34.8 | 1,273.0 | |
| LSD (0.10) = | | | | | 14.0 | 0.6 | 0.5 | | | |
| C.V. = | | | | | 4.8 | 2.6 | | | | |



F.I.R.S.T. Manager

TEST COMMENTS: *Cool, wet conditions slowed early growth through June. July brought warm, humid weather that was conducive to good pollination. August stayed warm, but lack of moisture eventually caused some kernel tip-back. Paul reports that he is quite pleased with his corn yields, and soybean yields in this area were some of the best in MN this year.*

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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 Doebler's 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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