

2014 Corn Grain Top 30 Harvest Report
 Minnesota West Central [MNWC] BIRD ISLAND
 Doug Toreen, Renville County, MN 55310



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Cannisteo clay loam, mod. well drained, conventional w/o fall till, non-irrigated
 SOIL CONDITION: High P, high K, 7.2 pH, 6.4% OM
 PEST MANAGEMENT: Force, Roundup
 FERTILITY - Applied N: 150 Spring
 Applied N-P-K (units): 150-60-120
 SEEDED - RATE - ROW: May 16 35,300 /A 30" spacing
 HARVESTED - STAND: Oct 18 32,900 /A

Early-Season Test
93 - 98 Day CRM
 B2014MNWC02a

Top 30 of 63
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

| Company/Brand | Product/Brand† | Technol.† | Seed Treatment† | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|----------------|------------|-----------------|----|---------------|---------------|--------------|-------------------|-------------------------|------|
| Prairie Brand | 4895GT3 | 3000GT | CM,C2 | 98 | 163.4 | 16.5 | 0 | 32.6 | 500 | 1 |
| Renk | RK596SSTX | STX | AC,P2 | 98 | 158.3 | 16.8 | 0 | 33.0 | 484 | 4 |
| Channel | 197-68STXRIB | STX,B | AC,P5V | 97 | 158.0 | 17.7 | 0 | 33.0 | 479 | 7 |
| Golden Harvest | G93H90-3000GT | 3000GT | AVC,C5 | 93 | 157.3 | 14.4 | 0 | 33.5 | 488 | 2 |
| Nuseed | 9504VT3PRIB | VT3P,B | AC,P2 | 95 | 157.3 | 16.0 | 0 | 33.5 | 484 | 5 |
| Gold Country | 98-38RSS | STX,B | AC,P5V | 98 | 157.3 | 17.5 | 0 | 34.4 | 478 | 8 |
| Anderson | 689VT3P | VT3P | CE,C2 | 95 | 156.9 | 15.3 | 0 | 33.9 | 485 | 3 |
| Gold Country | 95-33R3P | VT3P,B | AC,P5V | 95 | 155.4 | 14.3 | 0 | 33.0 | 482 | 6 |
| Wensman | W 90967STXRIB | STX,B | AC,P5V | 96 | 155.4 | 16.4 | 0 | 33.0 | 476 | 11 |
| Enestvedt | E653SSRIB | STX,B | AC,P5V | 96 | 154.8 | 15.6 | 0 | 32.6 | 478 | 9 |
| Prairie Brand | 4284RA | STX,B | CM,C2 | 93 | 154.8 | 16.5 | 0 | 32.6 | 474 | 13 |
| Dyna-Gro | D37SS60 | STX | AC,P5V | 97 | 154.4 | 17.5 | 0 | 33.9 | 469 | 15 |
| Anderson | 689R | RR2 | M,D,At | 95 | 154.3 | 14.5 | 0 | 33.0 | 478 | 10 |
| Channel | 195-58STXRIB | STX,B | AC,P5V | 95 | 154.1 | 15.6 | 0 | 31.6 | 475 | 12 |
| Titan Pro | 1M96-3P | VT3P | AC,P2 | 96 | 153.8 | 16.7 | 0 | 33.5 | 470 | 14 |
| Renk | RK522SSTX | STX,B | AC,P2 | 94 | 153.3 | 16.8 | 0 | 29.8 | 468 | 16 |
| Prairie Brand | 4594GT3 | 3000GT | CM,C2 | 96 | 153.3 | 19.0 | 0 | 33.0 | 460 | 27 |
| Thunder | 101-95SSRIB | STX,B | AC,P2 | 95 | 152.0 | 15.9 | 0 | 33.9 | 468 | 17 |
| Thunder | 7993VT2PRIB | VT2P,B | AC,P2 | 93 | 152.0 | 16.7 | 0 | 33.9 | 465 | 18 |
| NuTech/G2 Gen | 5X-698^ | HXT,RR2,AC | MQ,P5V | 98 | 151.9 | 16.5 | 0 | 34.4 | 465 | 19 |
| Latham | LH4859SSRIB | STX,B | AC,P5V | 98 | 151.4 | 16.6 | 0 | 32.5 | 463 | 20 |
| Dekalb | DKC44-13RIB GC | STX,B | AC,P5V | 94 | 151.1 | 16.7 | 0 | 32.6 | 462 | 24 |
| Renk | RK557SSTX | STX,B | AC,P2 | 95 | 150.5 | 15.9 | 0 | 33.5 | 463 | 21 |
| Dahlman | R47-35VT3PRIB | VT3P,B | AC,P2 | 94 | 150.4 | 15.9 | 0 | 33.5 | 463 | 22 |
| Renk | RK568VT3P | VT3P,B | AC,P2 | 95 | 150.1 | 15.7 | 0 | 33.0 | 463 | 23 |
| LG Seeds | LG5425STXRIB | STX,B | AC,P5V | 95 | 149.9 | 15.9 | 0 | 31.2 | 461 | 25 |
| Titan Pro | TP 39-98 SS | STX,B | AC,P5V | 98 | 149.0 | 16.0 | 0 | 33.5 | 458 | 28 |
| NuTech/G2 Gen | 5F-198^ | AM,B | MQ,P5V | 98 | 148.6 | 14.7 | 0 | 33.0 | 461 | 26 |
| Thunder | 7396VT2PRIB | VT2P,B | AC,P2 | 96 | 147.8 | 14.7 | 0 | 34.4 | 458 | 29 |
| NuTech/G2 Gen | 5X-894^ | HXT,RR2 | MQ,P5V | 94 | 147.7 | 15.1 | 0 | 33.0 | 458 | 30 |
| Dekalb | DKC48-12RIB CK | STX,B | AC,P5V | 98 | 146.8 | 15.7 | 0 | 33.0 | 453 | 38 |

Mark Querna
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Test Average = **148.0** 16.4 0 **32.9** **454**
 LSD (0.10) = 13.5 0.9 ns
 LSD (0.25) = 9.4 0.6 ns
 C.V. = 6.7 4.0

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = $\frac{\$3.10}{\$3.10}$ Local GMO non-GMO

Test Comments: *These soils were saturated from planting through June, stunting root and plant development. Over 12 inches of rain fell in June alone, and this crop was never able to reach its full potential, even after dry conditions prevailed through the rest of the growing season. No plots drowned out, but the site was visibly affected by too much water in June.*

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

Additional reports available at www.firstseedtests.com
 Report date: 10/19/2014 Revised:

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 Minnesota West Central [MNWC] BIRD ISLAND
 Doug Toreen, Renville County, MN 55310



PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Cannistee clay loam, mod. well drained, conventional w/o fall till, non-irrigated
 SOIL CONDITION: High P, high K, 7.2 pH, 6.4% OM
 PEST MANAGEMENT: Force, Roundup
 FERTILITY - Applied N: 150 Spring
 Applied N-P-K (units): 150-60-120
 SEED - RATE - ROW: May 16 35,300 /A 30" spacing
 HARVESTED - STAND: Oct 18 33,100 /A

Full-Season Test
99 - 102 Day CRM
 B2014MNWC02b

Top 30 of 48
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

| Company/Brand | Product/Brand† | Technol.† | Seed Treatment† | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|-------------------|-----------|-----------------|-----|---------------|---------------|--------------|-------------------|-------------------------|------|
| Rob-See-Co | Innotech IC5112^ | 3011A | CM,C2 | 101 | 169.0 | 20.5 | 0 | 33.0 | 501 | 3 |
| Croplan | 4099SS/RIB GC | STX,B | AC,P5V | 99 | 168.2 | 18.1 | 0 | 33.9 | 508 | 1 |
| Dahlman | R50-306SSRIB | STX,B | AC,P2 | 101 | 167.6 | 19.0 | 0 | 34.4 | 503 | 2 |
| Dekalb | DKC53-56RIB GC | STX,B | AC,P5V | 103 | 165.8 | 19.5 | 0 | 33.0 | 495 | 5 |
| Nuseed | 3014VT2P | VT2P | AC,P2 | 101 | 165.4 | 19.1 | 0 | 33.5 | 496 | 4 |
| Latham | LH5215VT2PRORIB | VT2P,B | AC,P2 | 102 | 164.4 | 21.2 | 0 | 32.6 | 484 | 8 |
| Titan Pro | 1M02-SS | STX,B | AC,P5V | 102 | 161.3 | 19.9 | 0 | 33.9 | 480 | 13 |
| Gold Country | 102-88RSS | STX,B | AC,P5V | 102 | 160.6 | 19.3 | 0 | 34.4 | 481 | 11 |
| Titan Pro | TP 39-02 SS | STX,B | AC,P5V | 102 | 160.4 | 18.3 | 0 | 33.9 | 484 | 9 |
| Renk | RK605SSTX | STX | AC,P2 | 100 | 160.2 | 17.6 | 0 | 34.4 | 486 | 7 |
| Golden Harvest | G01P52-3011A | 3011A | AVC,C5 | 101 | 158.3 | 18.4 | 0 | 34.4 | 477 | 14 |
| Dekalb | DKC49-29RIB GC | STX,B | AC,P5V | 99 | 157.3 | 16.6 | 0 | 33.5 | 481 | 12 |
| Titan Pro | TP 31-01 3011A | 3011A | AVC,C2 | 101 | 157.1 | 18.5 | 0 | 31.2 | 473 | 15 |
| Gold Country | 99-52RSS | STX,B | AC,P5V | 99 | 157.0 | 16.0 | 0 | 32.1 | 483 | 10 |
| NuTech/G2 Gen | 5H-502^ | HX,RR2 | MQ,P5V | 102 | 156.9 | 20.1 | 0 | 31.6 | 466 | 22 |
| Prairie Brand | 5065GT3 | 3000GT | CM,C2 | 100 | 156.6 | 19.5 | 0 | 33.0 | 468 | 19 |
| Viking | T51-01R | GT,B | CM,C2 | 101 | 156.3 | 17.9 | 0 | 33.5 | 473 | 16 |
| Viking | VS100-511 | STX,B | AC,P2 | 100 | 154.7 | 18.3 | 0 | 33.0 | 467 | 20 |
| Wensman | W 7320VT3PRIB | VT3P,B | AC,P5V | 101 | 154.4 | 18.1 | 0 | 32.1 | 467 | 21 |
| Titan Pro | TP 39-00 SS | STX,B | AC,P5V | 100 | 154.0 | 17.0 | 0 | 32.1 | 470 | 17 |
| Dahlman | R51-313SSRIB | STX,B | AC,P2 | 102 | 154.0 | 18.0 | 0 | 34.8 | 466 | 23 |
| LG Seeds | LG5499STXRIB | STX,B | AC,P5V | 100 | 152.5 | 19.5 | 0 | 34.4 | 456 | 25 |
| Latham | LH5145VT2PRODGRIB | VT2P,DG,B | AC,P5V | 101 | 151.4 | 15.1 | 2 | 33.5 | 469 | 18 |
| LG Seeds | LG5502STX | STX | AC,P5V | 102 | 151.3 | 19.0 | 0 | 32.1 | 454 | 26 |
| LG Seeds | LG2501VT3PRIB | VT3P,B | AC,P5V | 100 | 150.4 | 15.9 | 0 | 32.1 | 463 | 24 |
| Nuseed | 9904VT2P | VT2P | AC,P2 | 99 | 149.8 | 18.5 | 0 | 34.8 | 451 | 27 |
| Anderson | 588VT3P | VT3P | CE,C2 | 101 | 149.0 | 19.2 | 0 | 34.8 | 446 | 31 |
| Prairie Brand | 4995SX | STX | CM,C2 | 99 | 148.7 | 18.2 | 0 | 33.9 | 449 | 29 |
| Latham | LH4955VT2PRORIB | VT2P,B | AC,P5V | 99 | 148.6 | 17.9 | 0 | 33.5 | 450 | 28 |
| Channel | 201-39STXRIB | STX,B | AC,P5V | 101 | 148.1 | 17.8 | 0 | 33.0 | 449 | 30 |
| Dekalb | DKC48-12RIB CK | STX,B | AC,P5V | 98 | 159.6 | 15.1 | 0 | 31.6 | 494 | 6 |

Mark Querna
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Test Average = **150.8** 18.5 0 **33.1** **454**
 LSD (0.10) = 16.4 1.2 1
 LSD (0.25) = 11.5 0.8 0
 C.V. = 8.0 4.6

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = $\frac{\$3.10}{\$3.10}$ Local GMO non-GMO

Test Comments: *These soils were saturated from planting through June, stunting root and plant development. Over 12 inches of rain fell in June alone, and this crop was never able to reach its full potential, even after dry conditions prevailed through the rest of the growing season. No plots drowned out, but the site was visibly affected by too much water in June.*

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

Additional reports available at www.firstseedtests.com
 Report date: 10/19/2014 Revised:

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2014 Corn Grain - Minnesota West Central [MNWC]



Full-Season Test Products (48 Total)

| Company/Brand | Product/Brand | Technol. | Seed Trt | RM | Company/Brand | Product/Brand | Technol. | Seed Trt | RM |
|----------------|-------------------|-----------|----------|-----|---------------|---------------|----------|----------|-----|
| Anderson | 537R | RR2 | M,D,At | 101 | Wensman | W 7320VT3PRIB | VT3P,B | AC,P5V | 101 |
| Anderson | 588VT3P | VT3P | CE,C2 | 101 | Wensman | W 91011STXRIB | STX,B | AC,P5V | 101 |
| Channel | 199-29STXRIB | STX,B | AC,P5V | 99 | Wensman | W 9325STXRIB | STX,B | AC,P5V | 102 |
| Channel | 201-39STXRIB | STX,B | AC,P5V | 101 | | | | | |
| Channel | 202-64STXRIB | STX,B | AC,P5V | 102 | | | | | |
| Croplan | 4099SS/RIB GC | STX,B | AC,P5V | 99 | | | | | |
| Dahlman | R50-306SSRIB | STX,B | AC,P2 | 101 | | | | | |
| Dahlman | R51-313SSRIB | STX,B | AC,P2 | 102 | | | | | |
| Dairyland | DS9900SSX | STX | CM,C2 | 99 | | | | | |
| Dekalb | DKC48-12RIB CK | STX,B | AC,P5V | 98 | | | | | |
| Dekalb | DKC49-29RIB GC | STX,B | AC,P5V | 99 | | | | | |
| Dekalb | DKC53-56RIB GC | STX,B | AC,P5V | 103 | | | | | |
| Dekalb | DKC54-38RIB GC | STX,B | AC,P5V | 104 | | | | | |
| Dyna-Gro | D41SS71 | STX | AC,P5V | 101 | | | | | |
| Dyna-Gro | D42SS42 | STX | AC,P5V | 102 | | | | | |
| Gold Country | 102-88RSS | STX,B | AC,P5V | 102 | | | | | |
| Gold Country | 99-52RSS | STX,B | AC,P5V | 99 | | | | | |
| Golden Harvest | G01P52-3011A | 3011A | AVC,C5 | 101 | | | | | |
| Latham | LH4955VT2PRORIB | VT2P,B | AC,P5V | 99 | | | | | |
| Latham | LH5145VT2PRODGRIB | VT2P,DG,B | AC,P5V | 101 | | | | | |
| Latham | LH5215VT2PRORIB | VT2P,B | AC,P2 | 102 | | | | | |
| Latham | LH5219SSRIB | STX,B | AC,P5V | 102 | | | | | |
| LG Seeds | LG2501VT3PRIB | VT3P,B | AC,P5V | 100 | | | | | |
| LG Seeds | LG5499STXRIB | STX,B | AC,P5V | 100 | | | | | |
| LG Seeds | LG5502STX | STX | AC,P5V | 102 | | | | | |
| Nuseed | 3014VT2P | VT2P | AC,P2 | 101 | | | | | |
| Nuseed | 9904VT2P | VT2P | AC,P2 | 99 | | | | | |
| NuTech/G2 Gen | 5F-200^ | AM,AQ,B | MQ,P5V | 100 | | | | | |
| NuTech/G2 Gen | 5F-399^ | AM,B | MQ,P5V | 99 | | | | | |
| NuTech/G2 Gen | 5H-502^ | HX,RR2 | MQ,P5V | 102 | | | | | |
| NuTech/G2 Gen | 5Z-002^ | OI | MQ,P1V,R | 102 | | | | | |
| Prairie Brand | 4995SX | STX | CM,C2 | 99 | | | | | |
| Prairie Brand | 5065GT3 | 3000GT | CM,C2 | 100 | | | | | |
| Renk | RK581SSTX | STX,B | AC,P2 | 100 | | | | | |
| Renk | RK591DC5222A | 5222,A | CM,C2 | 99 | | | | | |
| Renk | RK605SSTX | STX | AC,P2 | 100 | | | | | |
| Renk | RK629VT3P | VT3P,B | AC,P2 | 101 | | | | | |
| Rob-See-Co | Innotech IC4903^ | 3111A | CM,C2 | 99 | | | | | |
| Rob-See-Co | Innotech IC5112^ | 3011A | CM,C2 | 101 | | | | | |
| Titan Pro | 1M02-SS | STX,B | AC,P5V | 102 | | | | | |
| Titan Pro | TP 31-01 3011A | 3011A | AVC,C2 | 101 | | | | | |
| Titan Pro | TP 39-00 SS | STX,B | AC,P5V | 100 | | | | | |
| Titan Pro | TP 39-02 SS | STX,B | AC,P5V | 102 | | | | | |
| Viking | T51-01R | GT,B | CM,C2 | 101 | | | | | |
| Viking | VS100-511 | STX,B | AC,P2 | 100 | | | | | |

Footnotes and Abbreviation Descriptions

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 Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaXX® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaXX® and XL® are registered trademarks of DuPont Pioneer. |
| CK | Identifies a check product included in early- and full-season tests. |
| GC | Grower Comparison product included by FIRST when space permits. |

Corn Technologies*

| | | | |
|----------|---|----------|---|
| 3000GT | Agrisure® 3000GT (CB,RW,LL,GT) | DG | Genuity® DroughtGard® |
| 3011A | Agrisure® Artesian® (CB,RW,LL,GT) | GT | Agrisure® GT |
| 3110 | Agrisure® Viptera® 3110 (Vip, CB,LL,GT) | GT/CB/LL | Agrisure® GT/CB/LL |
| 3111 | Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT) | HX | Herculex® 1, contains LL |
| 3122 | Agrisure® 3122 (CB,HXX,RW,LL,GT) | HX,RR2 | Herculex® 1, Roundup Ready 2 Corn |
| 3220 | Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT) | HXRW | Herculex® Rootworm, contains LL |
| 5122 | Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT) | HXT | Herculex® Xtra (HX,HXRW,LL) |
| 5222 | Agrisure® Duracade® 5122 (Vip,CB,HX,RW,RW2,LL,GT) | HXT,RR2 | Herculex® Xtra, Roundup Ready 2 Corn |
| A | Agrisure® Artesian® | LL | LibertyLink® |
| AM | Optimum® AcreMax® (YGCB,HX,LL,RR2) | None | conventional corn |
| AM-R | Optimum® AcreMax® (YGCB,HX,RR2) | OI | Optimum® Intrasect® (YGCB,HX,LL,RR2) |
| AM1 | Optimum® AcreMax®1 (HXT,LL,RR2) | OIX | Optimum® Intrasect® Xtra (YGCB,HXT,LL,RR2) |
| AMRW | Optimum® AcreMax® Rootworm (HXRW,LL,RR2) | OIXT | Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2) |
| AMRW-R | Optimum® AcreMax® Rootworm (HXRW,RR2) | OL | Optimum® Leptra® (Vip,YGCB,HX,LL,RR2) |
| AMX | Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2) | OT | Optimum® TRIssect® (HX,RW,LL,RR2) |
| AMX-R | Optimum® AcreMax® Xtra (YGCB,HXT,RR2) | RR2 | Roundup Ready® 2 Corn |
| AMXT | Optimum® AcreMax® Xtreme (YGCB,HXT,LL,RR2) | STX | SmartStax® (VT3P,HXX) |
| AQ | Optimum® AQUAmax® | VT2P | Genuity® VT Double PRO® |
| B | Blended seed (i.e. refuge blend) | VT3 | YieldGard VT Triple® |
| CB/LL | Agrisure® CB/LL | VT3P | Genuity® VT Triple PRO® |
| CB/LL/RW | Agrisure® CB/LL/RW | YGCB | YieldGard® Corn Borer |

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

| | | | |
|------------|---|------------|--|
| A | Allegiance® | L | Lorsban® |
| AC | Acceleron® fungicide products | M | Maxim XL® |
| At | Actellic® | MQ | Maxim Quattro® |
| AVC | Avicta® Complete Corn | None | untreated |
| C2, C5, C1 | Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively | P2, P5, P1 | Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively |
| CE | Cruiser Extreme® | R | Raxil® (tebuconazole) |
| CM | CruiserMaxx® Corn | St | Stamina® (pyraclostrobin) |
| D | Dynasty® (azoxystrobin) | V | Votivo® |
| Es | Escalate® | Z | zinc |

** Seed treatments may include unspecified plant health promoting components.