

2018 Corn Grain Top 30 Performance Summary for Minnesota East Central [MNEC]



Early-Season Test

86 - 91 Day CRM

B2018MNECa

Top 30 of 36

For Gross Income (Sorted by Yield), (18) Replication Average

| Company/Brand | Product/Brand† | Technol.† | RM | Yield | Moisture | Lodging | Gross Income | | Albany | Clear Lake | | | Milaca | |
|----------------|-----------------|-----------|----|--------------|-------------|----------|--------------|------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | | Bu/A ↓ | % | % | \$/A | Rank | | Brandon | Foley | Milaca | Taylor Falls | |
| Hefty | H4102VT2PRIB | VT2P,B | 91 | 223.5 | 19.5 | 1 | 645 | 2 | 232.2 | 216.4 | 235.1 | 232.2 | 211.1 | 213.8 |
| Mustang | 2291VT2PRIB | VT2P,B | 91 | 222.2 | 19.6 | 1 | 641 | 4 | 229.2 | 216.5 | 231.5 | 229.2 | 217.2 | 209.5 |
| Proseed | 1790VT2PRIB | VT2P,B | 90 | 222.0 | 19.2 | 1 | 643 | 3 | 217.7 | 212.5 | 247.1 | 227.5 | 225.3 | 202.0 |
| Golden Harvest | G89A09-3120-EZR | 3120,B | 89 | 219.3 | 19.5 | 0 | 633 | 5 | 200.9 | 210.9 | 243.0 | 237.5 | 218.9 | 204.8 |
| Latham | LH4147VT2ProRIB | VT2P,B | 91 | 219.2 | 19.4 | 1 | 633 | 6 | 214.4 | 209.4 | 229.7 | 228.0 | 216.0 | 217.6 |
| Pioneer | P9188AMX GC | AMX,B | 91 | 219.0 | 19.7 | 4 | 631 | 7 | 233.8 | 209.8 | 231.6 | 236.0 | 209.9 | 192.8 |
| Hefty | H3922VT2P | VT2P | 89 | 217.6 | 19.3 | 0 | 629 | 8 | 209.8 | 215.8 | 229.2 | 232.0 | 220.8 | 197.9 |
| Pioneer | P9188AM GC | AM,B | 91 | 217.1 | 19.6 | 3 | 626 | 10 | 218.8 | 210.4 | 210.4 | 231.1 | 219.1 | 213.0 |
| Enestvedt | E878VT2PRIB | VT2P,B | 87 | 216.5 | 19.0 | 1 | 628 | 9 | 195.9 | 212.7 | 227.4 | 236.9 | 216.4 | 209.5 |
| Renk | RK408VT2P | VT2P,B | 90 | 216.1 | 19.5 | 0 | 624 | 14 | 213.3 | 224.0 | 214.4 | 223.5 | 218.9 | 202.4 |
| Hefty | H3622VT2P | VT2P | 86 | 215.6 | 18.9 | 0 | 626 | 11 | 215.3 | 200.5 | 218.8 | 226.0 | 218.5 | 214.7 |
| Latham | LH3755VT2ProRIB | VT2P,B | 87 | 215.4 | 19.0 | 0 | 625 | 12 | 200.1 | 224.5 | 241.9 | 226.8 | 201.9 | 197.4 |
| Renk | RK287VT2P | VT2P,B | 87 | 215.3 | 18.9 | 0 | 625 | 13 | 199.9 | 216.8 | 218.6 | 229.2 | 212.2 | 215.0 |
| Heine | 600VT2PRO GC | VT2P | 91 | 215.3 | 19.1 | 0 | 624 | 15 | 207.3 | 220.8 | 221.3 | 229.8 | 206.0 | 206.4 |
| Latham | LH3937VT2ProRIB | VT2P,B | 89 | 214.8 | 19.4 | 1 | 621 | 16 | 180.7 | 213.7 | 224.3 | 232.0 | 219.7 | 218.5 |
| NK Brand | NK8920-3120-EZR | 3120,B | 89 | 214.5 | 19.7 | 2 | 618 | 17 | 201.1 | 201.8 | 230.1 | 239.8 | 196.0 | 218.1 |
| Dairyland | DS-9686 | 3000GT | 86 | 213.8 | 19.3 | 2 | 618 | 18 | 220.4 | 211.3 | 219.2 | 225.6 | 218.2 | 188.3 |
| Dahlman | R45-28VT2PRIB | VT2P,B | 90 | 213.8 | 19.5 | 0 | 617 | 19 | 204.6 | 211.3 | 228.0 | 228.5 | 212.2 | 198.0 |
| Titan Pro | 83-87 2P | VT2P,B | 87 | 212.7 | 18.9 | 0 | 617 | 20 | 216.6 | 213.0 | 207.7 | 232.0 | 202.5 | 204.3 |
| Thunder | 6791VT2P | VT2P,B | 91 | 212.7 | 19.5 | 0 | 614 | 21 | 206.6 | 203.7 | 228.7 | 228.8 | 205.4 | 202.9 |
| NuTech/G2 Gen | E5FN-A386 | OI | 86 | 211.5 | 19.0 | 4 | 613 | 22 | 218.9 | 199.0 | 190.1 | 227.4 | 211.2 | 222.4 |
| Golden Harvest | G88F37-3010A | 3010,A | 88 | 211.1 | 19.0 | 0 | 612 | 23 | 208.9 | 187.2 | 221.6 | 217.6 | 223.2 | 208.0 |
| NK Brand | NK8618-3011A | 3011,A | 86 | 209.4 | 19.0 | 1 | 607 | 24 | 194.7 | 202.4 | 213.0 | 223.4 | 217.1 | 205.5 |
| NuTech | 5BN-2889 | 3010 | 89 | 209.0 | 19.3 | 0 | 605 | 25 | 204.4 | 201.2 | 218.5 | 208.2 | 214.2 | 207.6 |
| Hefty | H3712VT2PRIB | VT2P,B | 87 | 206.6 | 18.4 | 8 | 602 | 26 | 197.7 | 210.1 | 202.7 | 222.6 | 218.1 | 188.5 |
| NuTech | 5N-886 | 3011,A | 86 | 206.0 | 19.3 | 1 | 596 | 28 | 196.0 | 185.9 | 220.0 | 221.3 | 204.9 | 207.8 |
| Enestvedt | E875RR | RR2 | 88 | 205.0 | 18.4 | 4 | 598 | 27 | 199.0 | 209.2 | 213.7 | 227.3 | 204.8 | 176.0 |
| Mustang | 2290VT2PRIB | VT2P,B | 90 | 204.9 | 19.1 | 0 | 594 | 29 | 197.4 | 192.5 | 214.8 | 227.8 | 211.7 | 185.3 |
| Mustang | 3287VT2PRIB | VT2P,B | 87 | 202.5 | 18.6 | 4 | 589 | 30 | 189.0 | 205.8 | 197.6 | 225.8 | 202.0 | 194.7 |
| Proseed | 1787VT2PRIB | VT2P,B | 87 | 201.4 | 18.4 | 7 | 587 | 31 | 200.1 | 186.9 | 207.8 | 220.3 | 199.5 | 193.9 |
| Pioneer | P9492AM CK | AM,B | 94 | 226.1 | 19.7 | 3 | 652 | 1 | 199.4 | 213.1 | 247.3 | 258.6 | 234.1 | 204.0 |
| Averages = | | | | 211.5 | 19.1 | 2 | 613 | | 206.0 | 206.1 | 218.6 | 226.1 | 211.2 | 201.4 |
| LSD (0.10) = | | | | 7.0 | 0.3 | 3 | | | 15.6 | 15.9 | 15.4 | 8.1 | 12.0 | 13.2 |
| LSD (0.25) = | | | | 3.7 | 0.1 | 1 | | | 8.2 | 8.3 | 8.1 | 4.2 | 6.3 | 6.9 |

Ed Dahle

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Previous years average yield for region, 173.7 bu/a, 1 yr

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices = \$3.00 GMO; \$3.00 non-GMO

† See last page for additional information. Dark shaded 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 test grain moisture limit. ns = not significantly different; ‡ = 2 reps.

Additional reports available at www.firstseedtests.com.

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Report Date: 11/14/2018

Revised:

2018 Corn Grain Top 30 Performance Summary for Minnesota East Central [MNEC]



Full-Season Test

92 - 95 Day CRM

B2018MNECb

Top 30 of 36

For Gross Income (Sorted by Yield), (18) Replication Average

| Company/Brand | Product/Brand† | Technol.† | RM | Yield | Moisture | Lodging | Gross Income | | Albany | Clear Lake | | | Milaca | |
|----------------|------------------|-----------|----|--------------|----------|---------|--------------|------|--------------|--------------|--------------|--------------|---------------|--------------|
| | | | | Bu/A | % | % | \$/A | Rank | | Brandon | Foley | Milaca | Taylors Falls | |
| Heine | 6200VT2PRORIB GC | VT2P,B | 95 | 237.0 | 20.1 | 0 | 681 | 1 | 225.6 | 236.2 | 236.1 | 260.8 | 237.6 | 225.8 |
| Titan Pro | 82-95 2P | VT2P,B | 95 | 234.1 | 20.6 | 0 | 670 | 2 | 214.3 | 212.4 | 259.4 | 251.1 | 224.9 | 242.2 |
| Federal | 4580VT2PRIB | VT2P,B | 95 | 231.3 | 20.3 | 0 | 663 | 3 | 219.9 | 234.1 | 248.4 | 249.9 | 223.0 | 212.5 |
| Latham | LH4517VT2Pro | VT2P | 95 | 229.4 | 19.9 | 0 | 660 | 4 | 225.0 | 220.1 | 236.2 | 248.6 | 233.5 | 212.9 |
| Renk | 8-536VT2P | VT2P | 94 | 228.5 | 20.2 | 0 | 656 | 5 | 199.9 | 226.4 | 239.6 | 252.1 | 237.1 | 215.7 |
| Hefty | H4522VT2P | VT2P | 95 | 226.3 | 20.7 | 0 | 647 | 8 | 231.1 | 209.6 | 242.4 | 244.7 | 216.9 | 213.0 |
| Enestvedt | E656SSRIB | STX,B | 95 | 225.9 | 20.1 | 1 | 649 | 6 | 231.1 | 217.8 | 228.7 | 230.1 | 220.4 | 227.4 |
| Hefty | H4322VT2P | VT2P | 93 | 223.0 | 19.7 | 0 | 643 | 9 | 218.3 | 222.1 | 231.2 | 237.0 | 215.2 | 214.4 |
| Latham | LH4454VT2ProRIB | VT2P,B | 94 | 222.4 | 20.2 | 0 | 638 | 10 | 216.5 | 232.4 | 240.7 | 234.9 | 209.9 | 200.2 |
| Dahlman | R48-28VT2PRIB | VT2P,B | 95 | 221.7 | 20.2 | 0 | 636 | 11 | 224.1 | 213.8 | 230.2 | 246.0 | 219.0 | 196.9 |
| LG Seeds | LG44C27VT2PRO | VT2P | 94 | 220.2 | 19.8 | 0 | 634 | 12 | 200.5 | 220.5 | 257.7 | 223.3 | 211.4 | 207.5 |
| Enestvedt | E612RR | RR2 | 92 | 218.5 | 20.0 | 0 | 628 | 14 | 225.8 | 200.4 | 243.7 | 238.6 | 200.2 | 202.0 |
| Mustang | 3294VT2PRIB | VT2P,B | 94 | 218.4 | 19.6 | 1 | 630 | 13 | 216.2 | 215.3 | 232.2 | 223.8 | 219.2 | 203.8 |
| Anderson | 795R | RR2 | 95 | 218.2 | 19.8 | 0 | 628 | 15 | 206.5 | 219.6 | 236.2 | 225.7 | 211.7 | 209.5 |
| Hefty | H4324SS | STX | 93 | 217.9 | 19.8 | 0 | 628 | 16 | 218.3 | 203.4 | 224.7 | 232.0 | 209.0 | 220.0 |
| Proseed | 1794VT2PRIB | VT2P,B | 94 | 217.6 | 20.1 | 0 | 625 | 17 | 223.3 | 216.0 | 223.2 | 217.7 | 226.6 | 198.9 |
| Enestvedt | E652RR | RR2 | 95 | 217.3 | 20.0 | 0 | 625 | 18 | 212.4 | 204.6 | 230.9 | 230.0 | 225.1 | 201.0 |
| Federal | 4440VT3PRIB | VT3P,B | 94 | 217.2 | 20.0 | 0 | 624 | 19 | 217.0 | 213.0 | 226.0 | 230.9 | 220.7 | 195.6 |
| Renk | RK568VT2P | VT2P,B | 94 | 215.8 | 20.3 | 0 | 619 | 23 | 219.5 | 209.8 | 230.4 | 217.6 | 211.1 | 206.4 |
| Latham | LH4437VT2ProRIB | VT2P,B | 94 | 215.6 | 19.5 | 1 | 623 | 20 | 205.6 | 212.0 | 220.8 | 220.1 | 225.0 | 209.9 |
| Renk | RK433RR | RR2 | 92 | 215.5 | 19.9 | 0 | 620 | 21 | 210.5 | 218.6 | 236.6 | 219.2 | 211.7 | 196.4 |
| Thunder | 6992VT2P | VT2P | 92 | 214.8 | 19.6 | 0 | 620 | 22 | 224.1 | 206.0 | 222.7 | 224.1 | 209.3 | 202.6 |
| Thunder | 6993VT2P | VT2P | 93 | 214.8 | 19.7 | 0 | 619 | 24 | 210.3 | 221.6 | 222.0 | 222.6 | 218.2 | 194.3 |
| Hefty | H4222VT2P | VT2P | 92 | 214.8 | 20.2 | 0 | 616 | 26 | 224.8 | 210.4 | 217.4 | 220.4 | 213.3 | 202.6 |
| NuTech | 5G-293 | 3110,A | 93 | 214.5 | 19.8 | 0 | 618 | 25 | 206.1 | 207.8 | 238.6 | 225.0 | 207.1 | 202.4 |
| Latham | LH4242VT2ProRIB | VT2P,B | 92 | 214.0 | 20.1 | 0 | 615 | 27 | 209.2 | 215.7 | 224.0 | 228.4 | 210.8 | 195.7 |
| Dahlman | R47-24VT2PRIB | VT2P,B | 94 | 212.3 | 19.6 | 1 | 612 | 28 | 218.3 | 212.7 | 212.5 | 226.0 | 212.1 | 191.9 |
| Golden Harvest | G90Y04-3220A-EZR | 3220,A,B | 92 | 211.2 | 20.4 | 0 | 605 | 29 | 196.0 | 209.5 | 235.0 | 221.2 | 216.6 | 189.0 |
| Anderson | 742R | RR2 | 92 | 210.2 | 19.9 | 0 | 605 | 30 | 201.4 | 202.3 | 219.6 | 225.9 | 217.2 | 194.8 |
| Pioneer | P9330AM GC | AM,B | 93 | 209.6 | 19.7 | 5 | 604 | 31 | 203.4 | 189.7 | 231.3 | 224.8 | 202.8 | 205.7 |
| Pioneer | P9492AM CK | AM,B | 94 | 225.7 | 20.1 | 1 | 648 | 7 | 225.6 | 205.9 | 234.7 | 245.8 | 229.2 | 212.7 |

| | | | | | | | | | | |
|--------------|--------------|-------------|----------|------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Averages = | 218.2 | 20.0 | 0 | 627 | 213.1 | 211.5 | 231.6 | 230.8 | 216.7 | 205.7 |
| LSD (0.10) = | 6.6 | 0.2 | 1 | | 15.2 | 13.9 | 13.5 | 9.5 | 9.6 | 14.0 |
| LSD (0.25) = | 3.5 | 0.1 | 1 | | 8.0 | 7.3 | 7.1 | 5.0 | 5.0 | 7.4 |

Previous years average yield for region, 173.7 bu/a, 1 yr

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices = \$3.00 GMO; \$3.00 non-GMO

† See last page for additional information. Dark shaded 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 test grain moisture limit. ns = not significantly different; ‡ = 2 reps.

Additional reports available at www.firstseedtests.com.

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Revised:

Footnotes and Abbreviation Descriptions

Brand Footnotes

| | |
|----|--|
| ^ | Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience. |
| 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) | E | Enlist™ (2,4-D, glyphosate, fop herbicide tolerance) |
| 3010 | Agrisure® 3010 (CB,LL,GT) | GT | Agrisure® GT |
| 3011,A | Agrisure® Artesian® (CB,RW,LL,GT) | HX | Herculex® 1, contains LL |
| 3110 | Agrisure® Viptera® 3110 (Vip, CB,LL,GT) | HXRW | Herculex® Rootworm, contains LL |
| 3111 | Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT) | HXT | Herculex® Xtra (HX,HXRW,LL) |
| 3120 | Agrisure® 3120 (CB,HX,LL,GT) | LL | LibertyLink® |
| 3122 | Agrisure® 3122 (CB,HXX,RW,LL,GT) | None | conventional corn |
| 3220 | Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT) | OI | Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2) |
| A | Agrisure® Artesian® | OIX | Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2) |
| AM | Optimum® AcreMax® (YGCB,HX,LL,RR2) | OIXT | Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2) |
| AMT | Optimum® AcreMax®TRIssect (HX,RW,LL,RR2) | PC | PowerCore™ (HX, VT2P) |
| AMX | Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2) | RR2 | Roundup Ready® 2 Corn |
| AMXT | Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2) | RW | Agrisure® Rootworm |
| AQ | Optimum® AQUAMax® | STX | SmartStax® (VT3P,HXT,RR2,LL) |
| B | Refuge blend product | VT2P | Genuity® VT Double PRO® |
| CB | Agrisure® Corn Borer | VT3P | Genuity® VT Triple PRO® |
| DG | Genuity® DroughtGard® | YGCB | YieldGard® Corn Borer |

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

Corn Seed Treatments**

| | | | | | |
|------------|---|------|----------------|------------|--|
| ? | information not provided | D | Dynasty® | P2, P5, P1 | Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively |
| A | Allegiance® | Es | Escalate® | R | Raxil® |
| AC | Acceleron® fungicide products | HC | Hefty Complete | Sa | Sativa™ |
| AL2500 | Alert 2500 | In | Intego™ Solo | Se | Sebring™ |
| At | Actellic® | L | Lorsban® | Sn | Senator™ |
| AVC | Avicta® Complete Corn | Lu | Lumivia™ | Sp | Spirato™ |
| C2, C5, C1 | Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively | M | Maxim XL® | SC | SHIELDCoat™ |
| CE | Cruiser Xtreme® | MQ | Maxim Quattro® | V | Votivo® |
| CM | CruiserMaxx® Corn | None | untreated | Vi | Vibrance® |

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