

2017 Corn Grain Top 30 Performance Summary for Minnesota East Central [MNEC]



Early-Season Test

94 - 99 Day CRM

B2017MNECa

Top 30 of 42

For Gross Income (Sorted by Yield), (15) Replication Average

| Company/Brand | Product/Brand† | Technol.† | RM | Yield | Moisture | Lodging | Gross Income | | Albany | Foley | | | St. Cloud | |
|----------------|-----------------|-----------|----|--------------|----------|---------|--------------|------|--------------|--------------|--------|--------------|--------------|--------------|
| | | | | Bu/A ↓ | % | % | \$/A | Rank | | Brandon | Milaca | Taylor Falls | | |
| Proseed | PX694VT2PRIB | VT2P,B | 94 | 203.8 | 21.0 | 0 | 560 | 1 | 235.4 | 184.3 | 118.0 | 196.3 | 172.4 | 230.8 |
| Thunder | 6794VT2PRIB | VT2P,B | 94 | 192.9 | 21.3 | 1 | 529 | 2 | 205.7 | 179.3 | 114.9 | 171.4 | 178.7 | 229.2 |
| Thunder | 4695RR | RR2 | 95 | 192.3 | 21.5 | 3 | 526 | 5 | 215.4 | 162.3 | 121.7 | 192.8 | 163.1 | 227.7 |
| NuTech/G2 Gen | 5F-196^ | AM,B | 96 | 191.8 | 20.9 | 1 | 528 | 3 | 201.0 | 174.3 | 111.4 | 192.5 | 163.4 | 228.0 |
| Hefty | H4812VT2P | VT2P | 98 | 191.4 | 20.9 | 3 | 527 | 4 | 228.3 | 159.0 | 107.0 | 183.9 | 173.0 | 213.0 |
| Mustang | 3894SSRIB | STX,B | 94 | 190.6 | 20.8 | 0 | 525 | 6 | 219.2 | 169.7 | 106.0 | 186.7 | 156.8 | 220.6 |
| Hefty | H4912VT2P | VT2P | 99 | 189.3 | 20.8 | 2 | 522 | 7 | 213.6 | 177.7 | 106.0 | 175.9 | 163.8 | 215.3 |
| NK Brand | NK9738-3110 | 3110 | 97 | 188.4 | 21.4 | 3 | 516 | 8 | 223.0 | 165.9 | 141.0 | 185.3 | 154.9 | 212.7 |
| Latham | LH4657VT2Pro GC | VT2P | 96 | 188.1 | 21.5 | 3 | 515 | 11 | 215.7 | 166.6 | 131.0 | 181.2 | 163.9 | 213.1 |
| Hefty | H4612VT2P | VT2P | 96 | 187.6 | 21.3 | 1 | 514 | 12 | 218.0 | 178.2 | 141.0 | 177.7 | 147.2 | 216.9 |
| Titan Pro | TP 78-98 SS | STX | 98 | 187.5 | 21.0 | 1 | 516 | 9 | 213.1 | 187.6 | 131.0 | 174.1 | 165.7 | 196.8 |
| Mustang | 5299VT2PRIB | VT2P,B | 99 | 187.1 | 20.7 | 3 | 516 | 10 | 225.0 | 168.3 | 106.0 | 176.3 | 153.7 | 212.1 |
| LG Seeds | LG5494VT2P | VT2P | 99 | 186.8 | 21.1 | 1 | 513 | 13 | 211.7 | 170.7 | 106.0 | 183.6 | 141.1 | 227.1 |
| Golden Harvest | G94U87-3110A | 3110,A | 94 | 185.9 | 20.6 | 0 | 513 | 14 | 211.9 | 172.8 | 111.0 | 188.8 | 162.3 | 193.7 |
| Proseed | 1591VT2PRIB | VT2P,B | 91 | 185.8 | 20.5 | 0 | 513 | 15 | 217.3 | 163.1 | 106.0 | 186.2 | 159.0 | 203.4 |
| Hefty | H4904SSRIB | STX,B | 99 | 184.7 | 21.9 | 0 | 504 | 18 | 216.2 | 164.9 | 111.0 | 175.5 | 158.6 | 208.1 |
| Federal | 4880VT2P | VT2P | 98 | 184.6 | 20.9 | 1 | 508 | 17 | 215.1 | 178.2 | 111.0 | 163.1 | 156.8 | 210.0 |
| Renk | RK595SSTX | STX,B | 99 | 184.2 | 21.7 | 0 | 503 | 20 | 211.7 | 161.2 | 111.0 | 174.3 | 169.8 | 204.2 |
| NuTech/G2 Gen | 5FN-6097^ | OI | 97 | 183.4 | 21.1 | 0 | 504 | 19 | 207.3 | 172.3 | 106.0 | 169.1 | 166.2 | 202.2 |
| Dekalb | DKC44-13RIB GC | STX,B | 94 | 182.3 | 20.9 | 0 | 502 | 21 | 231.1 | 151.6 | 106.0 | 175.7 | 153.8 | 199.4 |
| Mustang | 3895SSRIB | STX,B | 95 | 182.0 | 20.7 | 1 | 502 | 22 | 207.7 | 167.7 | 106.0 | 184.6 | 147.4 | 202.8 |
| Titan Pro | TP 61-94 3110A | 3110,A | 94 | 180.7 | 20.4 | 4 | 500 | 23 | 197.5 | 171.0 | 106.0 | 185.6 | 148.1 | 201.3 |
| Dairyland | DS-7294 | 3110 | 94 | 180.5 | 20.6 | 9 | 498 | 24 | 196.9 | 144.3 | 121.0 | 176.3 | 165.4 | 219.5 |
| Thunder | 6798VT2PRIB | VT2P,B | 98 | 180.4 | 20.6 | 0 | 498 | 25 | 199.8 | 160.9 | 106.0 | 165.9 | 165.5 | 209.9 |
| Pioneer | P9608AMXT GC | AMXT,B | 96 | 180.3 | 21.1 | 0 | 495 | 27 | 216.1 | 149.8 | 106.0 | 176.6 | 154.6 | 204.2 |
| Renk | RK568VT3P | VT3P,B | 95 | 180.3 | 21.3 | 0 | 494 | 28 | 209.2 | 147.5 | 104.6 | 160.8 | 166.6 | 217.6 |
| Thunder | 7396VT2PRIB | VT2P,B | 96 | 179.8 | 20.5 | 1 | 497 | 26 | 196.7 | 159.8 | 117.9 | 183.8 | 150.1 | 208.8 |
| Dairyland | DS-9599 | 3000GT | 99 | 179.4 | 21.5 | 1 | 491 | 29 | 218.2 | 164.4 | 118.2 | 178.4 | 135.7 | 200.1 |
| Titan Pro | TP 71-98 2P | VT2P | 98 | 179.4 | 21.9 | 0 | 489 | 30 | 214.3 | 157.4 | 105.8 | 169.8 | 149.1 | 206.2 |
| Renk | RK596SSTX | STX,B | 98 | 178.2 | 21.3 | 0 | 489 | 31 | 235.6 | 158.2 | 119.4 | 166.9 | 132.8 | 197.3 |
| Dekalb | DKC46-36RIB CK | STX,B | 96 | 187.4 | 21.7 | 0 | 512 | 16 | 219.4 | 158.3 | 106.0 | 179.2 | 150.7 | 229.4 |

Data Rejected - Not in Summary

| | | | | | | | | | | |
|--------------|--------------|-------------|----------|------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Averages = | 181.9 | 21.2 | 1 | 500 | 209.0 | 162.7 | 112.9 | 175.9 | 153.1 | 208.7 |
| LSD (0.10) = | 9.0 | 0.4 | 2 | | 16.6 | 12.6 | 17.6 | 13.4 | 22.0 | 12.5 |
| LSD (0.25) = | 4.8 | 0.2 | | | 8.7 | 6.6 | 9.2 | 7.0 | 11.5 | 6.6 |

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New test region, no yield history

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices = \$2.90 GMO; \$2.90 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.

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Report Date: 11/21/2017

Revised:

2017 Corn Grain Top 30 Performance Summary for Minnesota East Central [MNEC]



Full-Season Test

100 - 103 Day CRM

B2017MNECb

Top 30 of 36

For Gross Income (Sorted by Yield), (15) Replication Average

| Company/Brand | Product/Brand† | Technol.† | RM | Yield | Moisture | Lodging | Gross Income | | Albany | Foley | St. Cloud | | |
|---------------|--------------------|-----------|-----|--------------|----------|---------|--------------|------|--------------|--------------|--------------|--------------|--------------|
| | | | | Bu/A ↓ | % | % | \$/A | Rank | Brandon | Milaca | Taylor Falls | | |
| Federal | 5370VT2PRIB | VT2P,B | 103 | 192.9 | 21.9 | 1 | 526 | 1 | 218.5 | 157.2 | 162.0 | 193.5 | 233.4 |
| Hefty | H5302VT2PRIB | VT2P,B | 103 | 192.9 | 22.3 | 2 | 524 | 2 | 224.8 | 164.4 | 169.7 | 175.3 | 230.5 |
| Renk | RK642SSTX | STX | 103 | 188.2 | 22.3 | 0 | 511 | 3 | 218.8 | 165.3 | 152.2 | 173.5 | 231.3 |
| Titan Pro | TP 65-00 2P | VT2P,DG | 100 | 187.5 | 22.3 | 4 | 510 | 4 | 222.2 | 141.1 | 178.4 | 175.7 | 220.1 |
| Mustang | 5700VT2PDGRIB | VT2P,DG,B | 100 | 187.5 | 22.4 | 1 | 509 | 5 | 206.9 | 152.7 | 173.0 | 176.1 | 228.8 |
| Peterson Seed | 72D00 GC | VT2P,DG,B | 100 | 187.4 | 22.4 | 1 | 509 | 6 | 217.5 | 156.3 | 169.4 | 172.4 | 221.3 |
| Hefty | H5214SS | STX | 102 | 186.8 | 22.7 | 1 | 506 | 10 | 210.3 | 136.5 | 165.5 | 188.6 | 232.9 |
| Federal | 5280VT2P | VT2P | 102 | 186.7 | 22.7 | 0 | 505 | 11 | 233.1 | 160.6 | 154.5 | 162.1 | 223.3 |
| Latham | LH5215VT2ProRIB GC | VT2P,B | 102 | 186.6 | 23.1 | 6 | 503 | 13 | 197.3 | 161.1 | 160.6 | 185.5 | 228.7 |
| Latham | LH5245VT2Pro GC | VT2P | 102 | 186.3 | 22.7 | 0 | 504 | 12 | 229.1 | 140.2 | 154.5 | 175.1 | 232.7 |
| Titan Pro | TP 75-01 SS | STX | 101 | 185.8 | 21.7 | 4 | 508 | 7 | 222.6 | 151.4 | 155.5 | 177.9 | 221.7 |
| LG Seeds | LG5505STX | STX | 102 | 185.5 | 21.7 | 0 | 507 | 9 | 202.7 | 144.7 | 159.8 | 187.0 | 233.4 |
| Wyffels | W2198RIB GC | STX,B | 100 | 185.4 | 21.3 | 4 | 508 | 8 | 213.6 | 161.0 | 162.3 | 165.3 | 224.6 |
| Hefty | H5003VT2PDGRIB | VT2P,DG,B | 100 | 184.1 | 22.8 | 4 | 498 | 15 | 224.3 | 139.0 | 177.4 | 163.3 | 216.7 |
| Mustang | 6701-3011A | 3011,A | 101 | 183.5 | 22.5 | 0 | 498 | 16 | 216.9 | 137.2 | 160.9 | 173.1 | 229.2 |
| NuTech/G2 Gen | 5F-503^ | AM,B | 103 | 182.0 | 22.1 | 1 | 495 | 17 | 219.3 | 137.7 | 158.8 | 171.3 | 222.7 |
| NuTech | 5N-800 | 3011,A | 100 | 180.9 | 22.5 | 0 | 491 | 18 | 217.4 | 144.0 | 156.0 | 155.9 | 231.3 |
| Renk | RK675DGV2P | VT2P,DG,B | 103 | 175.8 | 22.0 | 2 | 479 | 19 | 194.1 | 138.0 | 159.9 | 173.2 | 213.6 |
| Pioneer | P9929AMXT GC | AMXT,B | 99 | 175.8 | 22.5 | 1 | 477 | 21 | 188.6 | 148.7 | 174.0 | 163.8 | 204.1 |
| Anderson | 611VT2P | VT2P,B | 101 | 175.4 | 22.0 | 0 | 478 | 20 | 197.1 | 150.0 | 156.4 | 158.8 | 214.5 |
| Mustang | 7801SSRIB | STX,B | 101 | 174.5 | 21.8 | 2 | 476 | 22 | 209.0 | 138.7 | 151.7 | 159.2 | 213.8 |
| Thunder | 4600RR | RR2 | 100 | 174.1 | 22.0 | 3 | 474 | 23 | 200.3 | 159.7 | 144.9 | 167.2 | 198.4 |
| NuTech/G2 Gen | 5F-601^ | AM,AQ,B | 101 | 173.9 | 22.5 | 0 | 472 | 24 | 193.6 | 135.0 | 158.9 | 155.8 | 226.3 |
| Pioneer | P0157AMX GC | AMX,AQ,B | 101 | 173.4 | 22.7 | 0 | 469 | 25 | 198.9 | 138.3 | 164.6 | 152.6 | 212.8 |
| Mustang | 6800SSRIB | STX,B | 100 | 172.3 | 22.5 | 0 | 467 | 27 | 185.9 | 140.8 | 145.0 | 168.6 | 221.2 |
| Dairyland | DS-9701RA | STX,B | 101 | 172.3 | 22.6 | 0 | 467 | 28 | 201.1 | 138.4 | 149.7 | 175.3 | 197.0 |
| Anderson | 611SRC | STX,B | 101 | 171.9 | 22.8 | 1 | 465 | 29 | 187.9 | 155.7 | 142.0 | 164.3 | 209.4 |
| Hefty | H5114SS | STX | 101 | 171.5 | 21.9 | 3 | 468 | 26 | 197.9 | 133.5 | 167.4 | 154.0 | 204.5 |
| Renk | RK680SSTX | STX,B | 103 | 171.3 | 22.6 | 0 | 464 | 30 | 184.7 | 143.9 | 152.8 | 160.2 | 215.1 |
| Thunder | 7603SSRIB | STX,B | 103 | 169.3 | 22.9 | 0 | 458 | 31 | 182.2 | 140.7 | 157.0 | 157.4 | 209.3 |
| Dekalb | DKC46-36RIB CK | STX,B | 96 | 184.6 | 22.1 | 0 | 503 | 14 | 209.7 | 147.9 | 148.9 | 189.7 | 226.6 |

Not planted due to delayed site plant date (June 1)

| | | | | | | | | | |
|--------------|--------------|-------------|----------|------------|--------------|--------------|--------------|--------------|--------------|
| Averages = | 178.4 | 22.4 | 1 | 484 | 204.8 | 144.5 | 159.5 | 166.3 | 216.7 |
| LSD (0.10) = | 7.3 | 0.3 | ns | | 15.3 | 12.0 | 14.9 | 17.9 | 15.0 |
| LSD (0.25) = | 3.8 | 0.1 | ns | | 8.0 | 6.3 | 7.8 | 9.4 | 7.8 |

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New test region, no yield history

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices = \$2.90 GMO; \$2.90 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: 11/21/2017

Revised:

Footnotes and Abbreviation Descriptions

Brand Footnotes

| | |
|----|---|
| ^ | ^ G2 [®] brand seed is distributed by NuTech Seed, LLC. Catalyst [™] and Power Plus [®] brand seed is distributed by Burrus. HPT [®] brand seed is distributed by Hoegemeyer Hybrids, Innotech [™] brand seed is distributed by Rob-See-Co, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPM [®] brand seed is distributed by AgVenture, Inc. XL [®] and Phoenix [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , Power Plus [®] , RPM [®] , Supreme EX [®] , VPM [®] and XL [®] are registered trademarks of DuPont Pioneer. Catalyst [™] , Innotech [™] and Phoenix [®] are trademarks of Syngenta. |
| 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) | GT | Agrisure [®] GT |
| 3010 | Agrisure [®] 3010 (CB,LL,GT) | HX | Herculex [®] 1, contains LL |
| 3011,A | Agrisure [®] Artesian [®] (CB,RW,LL,GT) | HXRW | Herculex [®] Rootworm, contains LL |
| 3110 | Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT) | HXT | Herculex [®] Xtra (HX,HXRW,LL) |
| 3111 | Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT) | LL | LibertyLink [®] |
| 3120 | Agrisure [®] 3120 (CB,HX,LL,GT) | None | conventional corn |
| 3122 | Agrisure [®] 3122 (CB,HXX,RW,LL,GT) | OI | Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2) |
| 3220 | Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT) | OIX | Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2) |
| A | Agrisure [®] Artesian [®] | OIXT | Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2) |
| AM | Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2) | PC | PowerCore [™] (HX, VT2P) |
| AMT | Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2) | RR2 | Roundup Ready [®] 2 Corn |
| AMX | Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2) | RW | Agrisure [®] Rootworm |
| AMXT | Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2) | STX | SmartStax [®] (VT3P,HXT,RR2,LL) |
| AQ | Optimum [®] AQUAMax [®] | VT2P | Genuity [®] VT Double PRO [®] |
| B | Refuge Blend | VT3P | Genuity [®] VT Triple PRO [®] |
| CB | Agrisure [®] Corn Borer | YGCB | YieldGard [®] Corn Borer |
| DG | Genuity [®] DroughtGard [®] | | |

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

Corn Seed Treatments**

| | | | | | |
|------------|---|----|-------------------------------|------------|--|
| ? | information unavailable | CM | CruiserMaxx [®] Corn | None | untreated |
| A | Allegiance [®] | D | Dynasty [®] | P2, P5, P1 | Poncho [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively |
| AC | Acceleron [®] fungicide products | Es | Escalate [®] | R | Raxil [®] |
| AL2500 | Alert 2500 [™] | In | Intego [™] Solo | SC | SHIELDCoat [™] |
| At | Actellic [®] | L | Lorsban [®] | V | Votivo [®] |
| AVC | Avicta [®] Complete Corn | Lu | Lumivia [™] | Vi | Vibrance [®] |
| C2, C5, C1 | Cruiser [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively | M | Maxim XL [®] | | |
| CE | Cruiser Extreme [®] | MQ | Maxim Quattro [®] | | |

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