

2018 Corn Grain Top 30 Performance Summary for Missouri Central [MOCE]



Test by: F.I.R.S.T. MSR, Inc., Columbia, MO

Early-Season Test

107 - 112 Day CRM

B2018MOCEa

Top 30 of 36

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

| Company/Brand | Product/Brand† | Technol.† | RM | Yield | Moisture | Lodging | Gross Income | | Concordia | | | Orchard Farm | | Sweet Springs | |
|----------------|------------------|-----------|-----|--------------|----------|---------|--------------|------|--------------|--------------|--------------|--------------|--------------|---------------|--|
| | | | | Bu/A | % | % | \$/A | Rank | New Franklin | Perry | Vandalia | | | | |
| NuTech/G2 Gen | 5FB-9909 | AM,B | 109 | 220.8 | 15.0 | 4 | 718 | 1 | 178.6 | 224.5 | 250.5 | 171.7 | 242.6 | 257.0 | |
| Lewis | 11DP768 | VT2P,B | 111 | 218.0 | 16.4 | 3 | 698 | 3 | 179.9 | 211.6 | 231.8 | 181.2 | 252.6 | 251.0 | |
| Lewis | 12DP779 | VT2P,B | 112 | 216.6 | 15.5 | 4 | 700 | 2 | 170.3 | 230.1 | 232.4 | 162.6 | 244.0 | 260.0 | |
| AgriGold | A641-78STXRIB | STX,B | 111 | 212.9 | 15.3 | 3 | 690 | 4 | 159.1 | 217.7 | 222.8 | 191.4 | 245.4 | 240.8 | |
| Lewis | 08DP739 | VT2P,B | 108 | 212.2 | 15.4 | 3 | 687 | 5 | 173.4 | 199.9 | 231.2 | 185.0 | 232.1 | 251.7 | |
| NuTech/G2 Gen | 5FN-8808 | OI | 108 | 211.9 | 15.2 | 8 | 687 | 6 | 171.1 | 200.9 | 240.1 | 175.3 | 235.6 | 248.2 | |
| FS InVISION | FS 62ZX1 RIB | STX,B | 112 | 211.5 | 15.7 | 2 | 682 | 8 | 171.1 | 220.9 | 218.7 | 171.8 | 237.9 | 248.5 | |
| LG Seeds | LG5606STXRIB | STX,B | 111 | 210.9 | 15.2 | 3 | 684 | 7 | 164.9 | 216.8 | 221.9 | 173.6 | 237.7 | 250.7 | |
| Dekalb | DKC60-88RIB GC | VT2P,B | 110 | 209.5 | 15.5 | 7 | 677 | 10 | 171.7 | 205.4 | 225.4 | 156.4 | 251.3 | 246.7 | |
| Pioneer | P1197AM GC | AM,B | 111 | 209.4 | 15.5 | 8 | 677 | 11 | 152.6 | 211.4 | 229.7 | 163.3 | 251.9 | 247.6 | |
| Lewis | 10DP719 | VT2P,B | 110 | 209.3 | 15.3 | 5 | 678 | 9 | 176.3 | 208.4 | 219.2 | 158.7 | 253.3 | 239.8 | |
| LG Seeds | LG62C02STX | STX | 112 | 209.0 | 15.7 | 2 | 674 | 12 | 161.4 | 203.3 | 207.5 | 184.2 | 247.3 | 250.3 | |
| Pfister | 71C1PCR | PC,B | 111 | 208.9 | 15.7 | 1 | 674 | 13 | 174.7 | 185.8 | 221.9 | 192.1 | 224.7 | 253.9 | |
| NuTech/G2 Gen | 5FB-1010 | AM,B | 110 | 207.4 | 15.6 | 6 | 670 | 15 | 155.9 | 216.6 | 221.3 | 170.0 | 236.0 | 244.4 | |
| AgriGold | A642-59STXRIB | STX,B | 112 | 207.3 | 15.4 | 3 | 671 | 14 | 156.4 | 214.3 | 209.7 | 176.0 | 238.1 | 249.2 | |
| FS InVISION | FS 62TV1DG RIB | VT2P,DG,B | 112 | 206.1 | 15.5 | 2 | 666 | 16 | 157.7 | 197.1 | 230.6 | 187.4 | 227.6 | 236.4 | |
| Great Heart | HT-7244VT2PRIB | VT2P,B | 112 | 205.0 | 15.9 | 4 | 660 | 17 | 182.4 | 190.9 | 214.1 | 167.4 | 233.1 | 242.0 | |
| Pfister | 69E2SSR | STX,B | 109 | 203.6 | 15.7 | 2 | 657 | 18 | 163.8 | 199.9 | 225.7 | 169.3 | 225.2 | 237.4 | |
| Epley | E2001GTCBLL | 3010 | 110 | 202.1 | 15.5 | 4 | 653 | 19 | 171.8 | 195.0 | 205.5 | 184.8 | 229.9 | 225.3 | |
| NuTech/G2 Gen | 5FB-1211 | AM,B | 111 | 201.2 | 16.0 | 5 | 647 | 22 | 150.6 | 205.2 | 208.8 | 179.2 | 227.7 | 235.6 | |
| AgriGold | A638-74VT2PRO | VT2P | 108 | 200.6 | 15.4 | 3 | 649 | 20 | 166.0 | 205.8 | 213.1 | 159.4 | 227.3 | 231.9 | |
| LG Seeds | LG59C66VT2PRO | VT2P | 109 | 199.8 | 15.4 | 6 | 647 | 23 | 160.2 | 196.6 | 217.8 | 164.6 | 228.2 | 231.4 | |
| FS InVISION | FS 60UX1 RIB | STX,B | 110 | 198.6 | 15.5 | 2 | 642 | 24 | 155.4 | 189.9 | 220.2 | 164.5 | 225.3 | 236.4 | |
| FS InVISION | FS 60QV1 RIB | VT2P,B | 110 | 197.6 | 15.1 | 7 | 642 | 25 | 159.7 | 204.5 | 218.8 | 149.8 | 229.5 | 223.5 | |
| NK Brand | NK1066-3120-EZR | 3120,B | 110 | 197.4 | 15.7 | 21 | 637 | 27 | 158.4 | 213.2 | 233.8 | 138.2 | 232.2 | 208.6 | |
| Pfister | 68A1PE | PC,E | 108 | 197.3 | 15.2 | 4 | 640 | 26 | 163.0 | 207.3 | 214.5 | 164.8 | 208.9 | 225.2 | |
| Golden Harvest | G08M20-3010 | 3010 | 108 | 195.9 | 15.1 | 6 | 636 | 28 | 154.6 | 176.8 | 206.3 | 162.4 | 227.5 | 247.5 | |
| Epley | E2201GTCBLL | 3010 | 112 | 195.8 | 16.5 | 5 | 626 | 30 | 155.9 | 174.9 | 239.7 | 173.2 | 216.0 | 215.0 | |
| Golden Harvest | G11A33-3111 | 3111 | 111 | 195.1 | 15.3 | 3 | 632 | 29 | 138.9 | 199.7 | 224.3 | 163.3 | 208.7 | 235.8 | |
| Golden Harvest | G09Y24-3220A-EZR | 3220,A,B | 109 | 192.3 | 15.5 | 15 | 622 | 31 | 162.5 | 198.7 | 209.7 | 173.1 | 224.1 | 185.8 | |
| Pioneer | P1366AM CK | AM,B | 113 | 201.3 | 15.9 | 2 | 648 | 21 | 143.1 | 178.7 | 235.6 | 158.8 | 244.0 | 247.7 | |

| | | | | | | | | | | |
|--------------|--------------|-------------|----------|------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Averages = | 202.6 | 15.5 | 5 | 655 | 161.4 | 199.7 | 221.3 | 167.3 | 231.3 | 234.9 |
| LSD (0.10) = | 8.6 | 0.3 | 6 | | 15.5 | 13.1 | 11.4 | 18.7 | 11.5 | 18.4 |
| LSD (0.25) = | 4.5 | 0.1 | 3 | | 10.8 | 6.9 | 6.0 | 13.0 | 6.0 | 9.6 |

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Previous years average yield for region, 217.6 bu/a, 1 yr

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices = \$3.25 GMO; \$3.25 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: 9/28/2018

Revised:

2018 Corn Grain Top 30 Performance Summary for Missouri Central [MOCE]



Full-Season Test

113 - 117 Day CRM

B2018MOCEb

Top 30 of 36

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

| Company/Brand | Product/Brand† | Technol.† | RM | Yield | Moisture | Lodging | Gross Income | | Concordia | | Orchard Farm | | Sweet Springs | |
|----------------|-----------------|-----------|-----|--------------|----------|---------|--------------|------|--------------|--------------|--------------|--------------|---------------|--------------|
| | | | | Bu/A | % | % | \$/A | Rank | New Franklin | Perry | Vandalia | | | |
| LG Seeds | LG5650VT2RIB | VT2P,B | 115 | 217.9 | 16.3 | 5 | 698 | 1 | 176.5 | 209.4 | 226.2 | 189.8 | 255.6 | 249.6 |
| LG Seeds | LG5663VT2RIB | VT2P,B | 115 | 217.3 | 16.4 | 3 | 696 | 2 | 173.9 | 220.2 | 228.8 | 173.6 | 238.2 | 269.3 |
| Lewis | 16DP887 | VT2P,B | 116 | 215.0 | 17.0 | 9 | 684 | 3 | 158.5 | 231.7 | 228.6 | 161.3 | 257.0 | 252.6 |
| AgriGold | A6572VT2RIB | VT2P,B | 114 | 213.0 | 16.3 | 4 | 683 | 4 | 164.8 | 219.4 | 221.7 | 180.2 | 246.6 | 245.0 |
| FS InVISION | FS 66ZV1 RIB | VT2P,B | 116 | 212.3 | 16.5 | 3 | 679 | 8 | 166.1 | 225.0 | 227.7 | 176.7 | 234.8 | 243.2 |
| NuTech/G2 Gen | 5FN-2213 | OI | 113 | 211.8 | 16.1 | 6 | 680 | 5 | 158.0 | 201.0 | 237.1 | 191.8 | 237.4 | 245.4 |
| Lewis | R1414VT2P | VT2P,B | 114 | 211.4 | 15.9 | 4 | 680 | 6 | 161.9 | 212.5 | 221.4 | 182.1 | 237.1 | 253.6 |
| AgriGold | A6544VT2RIB | VT2P,B | 113 | 211.0 | 15.8 | 7 | 680 | 7 | 149.8 | 214.1 | 241.2 | 169.5 | 250.4 | 240.8 |
| Pfister | 77C1SE | STX,E | 117 | 210.4 | 17.3 | 2 | 667 | 13 | 174.0 | 193.8 | 231.6 | 184.8 | 220.3 | 257.7 |
| FS InVISION | FS 64SV1 RIB | VT2P,B | 114 | 209.5 | 15.9 | 2 | 674 | 9 | 138.6 | 189.1 | 241.9 | 195.5 | 236.2 | 255.9 |
| FS InVISION | FS 67SV1 RIB | VT2P,B | 117 | 208.8 | 16.7 | 1 | 666 | 14 | 141.0 | 219.2 | 202.2 | 199.9 | 239.9 | 250.3 |
| Great Heart | HT-7302VT2PRIB | VT2P,B | 113 | 208.4 | 15.8 | 4 | 671 | 10 | 171.4 | 190.9 | 230.6 | 192.3 | 231.3 | 233.8 |
| AgriGold | A646-12STXRIB | STX,B | 116 | 208.3 | 16.1 | 9 | 669 | 11 | 156.8 | 212.1 | 231.6 | 176.9 | 242.9 | 229.5 |
| Golden Harvest | G15L32-3110 | 3110 | 115 | 208.1 | 16.0 | 4 | 669 | 12 | 149.2 | 207.3 | 243.5 | 171.7 | 231.6 | 245.3 |
| Lewis | 14DD849 | VT2P,DG,B | 114 | 207.3 | 16.4 | 3 | 664 | 15 | 173.4 | 206.5 | 190.7 | 187.9 | 235.9 | 249.4 |
| NuTech/G2 Gen | 5FB-4516 | AM,B | 116 | 206.8 | 16.8 | 9 | 659 | 18 | 153.2 | 209.5 | 218.0 | 173.3 | 246.0 | 240.9 |
| LG Seeds | LG5643VT2RIB | VT2P,B | 114 | 206.3 | 15.9 | 14 | 664 | 16 | 171.2 | 227.4 | 225.1 | 141.3 | 232.3 | 240.6 |
| Lewis | 14DP857 | VT2P,B | 114 | 205.6 | 15.6 | 9 | 664 | 17 | 159.4 | 217.2 | 236.0 | 146.5 | 236.5 | 238.2 |
| Pfister | 75Y1PCR | PC,B | 115 | 204.2 | 16.4 | 6 | 654 | 19 | 158.0 | 202.6 | 234.3 | 185.5 | 208.9 | 235.8 |
| Great Heart | HT-7486SSRIB | STX,B | 114 | 203.8 | 16.5 | 2 | 652 | 20 | 160.8 | 200.4 | 215.3 | 181.2 | 232.1 | 233.2 |
| NK Brand | NK1573-3110 | 3110 | 115 | 202.2 | 16.0 | 5 | 650 | 21 | 157.4 | 191.4 | 235.2 | 153.9 | 230.5 | 244.8 |
| Pioneer | P1637AM GC | AM,B | 116 | 201.3 | 16.8 | 8 | 642 | 25 | 132.4 | 218.0 | 238.6 | 165.4 | 196.9 | 256.6 |
| Dekalb | DKC64-35RIB GC | VT2P,B | 114 | 200.3 | 15.9 | 3 | 645 | 23 | 160.5 | 217.3 | 211.1 | 141.1 | 229.4 | 242.2 |
| NuTech/G2 Gen | 5LB-7215 | AMXT,B | 115 | 199.6 | 16.4 | 9 | 639 | 26 | 155.7 | 188.4 | 231.1 | 181.3 | 224.0 | 216.8 |
| Great Heart | HT-7342VT2PRIB | VT2P,B | 113 | 199.3 | 15.7 | 9 | 643 | 24 | 148.9 | 205.7 | 229.8 | 164.6 | 233.4 | 213.4 |
| Pioneer | P1442AM GC | AM,B | 114 | 197.5 | 16.7 | 5 | 630 | 28 | 144.4 | 224.7 | 200.1 | 160.5 | 228.6 | 226.8 |
| FS InVISION | FS 63ZV1 RIB | VT2P,B | 113 | 196.8 | 16.0 | 8 | 633 | 27 | 155.1 | 211.0 | 219.8 | 155.6 | 222.7 | 216.6 |
| NK Brand | NK1433-3120-EZR | 3120,B | 114 | 194.9 | 16.5 | 7 | 623 | 30 | 155.8 | 170.7 | 229.9 | 171.0 | 215.7 | 226.0 |
| NuTech/G2 Gen | 5FB-3113 | AM,B | 113 | 193.6 | 15.7 | 9 | 624 | 29 | 155.4 | 199.6 | 210.1 | 149.5 | 218.3 | 228.7 |
| Golden Harvest | G13Z50-3110 | 3110 | 113 | 192.5 | 15.7 | 10 | 621 | 31 | 160.0 | 183.8 | 206.6 | 144.3 | 217.3 | 242.9 |
| Pioneer | P1366AM CK | AM,B | 113 | 200.5 | 15.6 | 2 | 647 | 22 | 133.5 | 195.5 | 233.0 | 162.8 | 239.5 | 238.7 |

| | | | | | | | | | | |
|--------------|--------------|-------------|----------|------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Averages = | 202.7 | 16.2 | 6 | 650 | 155.3 | 203.8 | 222.6 | 168.2 | 228.0 | 237.9 |
| LSD (0.10) = | 9.5 | 0.3 | ns | | 16.8 | 14.5 | 11.4 | 20.2 | 14.3 | 12.3 |
| LSD (0.25) = | 5.0 | 0.2 | ns | | 11.7 | 7.6 | 6.0 | 14.1 | 7.5 | 6.4 |

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices = \$3.25 GMO; \$3.25 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: 9/28/2018

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 Boreer | 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.