

2018 Corn Grain Top 30 Performance Summary for Iowa North Central [IANC]



Test by: North Iowa F.I.R.S.T., Inc, Sanborn, IA

Early-Season Test

101 - 106 Day CRM

B2018IANCa

Top 30 of 60

For Gross Income (Sorted by Yield), (14) Replication Average

| Company/Brand | Product/Brand† | Technol.† | RM | Yield | Moisture | Lodging | Gross Income | | Britt ‡ | Iowa Falls | | | Plymouth | | |
|----------------|-----------------|-----------|-----|--------------|----------|---------|--------------|------|---------|------------|-------|----------|----------|-------|-------|
| | | | | Bu/A ↓ | % | % | \$/A | Rank | | Greene | Osage | Waterloo | | | |
| Pioneer | P0306AM GC | AM,AQ,B | 103 | 234.7 | 18.6 | 3 | 737 | 1 | 206.0 | 247.5 | 233.7 | 250.2 | 218.1 | 251.5 | |
| Hefty | H5522VT2P | VT2P | 105 | 233.8 | 18.2 | 5 | 737 | 2 | 215.6 | 244.6 | 236.7 | 235.4 | 220.9 | 252.7 | |
| Cornelius | C385DP | VT2P | 103 | 231.9 | 17.8 | 6 | 734 | 3 | 228.3 | 247.7 | 202.4 | 219.9 | 215.3 | 248.5 | |
| Pfister | 64F1PE | PC,E | 104 | 231.8 | 19.5 | 3 | 722 | 4 | 219.5 | 244.1 | 190.4 | 238.1 | 224.2 | 233.3 | |
| Kruger | K4R-9802 | STX,B | 102 | 230.3 | 19.1 | 3 | 720 | 6 | 244.1 | 228.7 | 233.3 | 233.4 | 210.9 | 234.4 | |
| Kruger | K4R-9706 | STX,B | 106 | 229.3 | 22.1 | 2 | 696 | 25 | 181.4 | 253.2 | 232.1 | 234.9 | 234.9 | 244.9 | |
| Renk | RK604SSTX | STX | 102 | 228.8 | 18.1 | 4 | 722 | 5 | 229.7 | 243.1 | 227.1 | 227.1 | 202.8 | 241.5 | |
| Viking | 42-05 | None | 105 | 228.2 | 19.8 | 3 | 709 | 11 | 215.6 | 246.1 | 232.1 | 232.6 | 203.2 | 243.5 | |
| Titan Pro | TP 70-06 | None | 106 | 228.1 | 20.3 | 2 | 705 | 13 | 202.7 | 245.8 | 232.2 | 239.6 | 212.8 | 239.6 | |
| Latham | LH5487VT2Pro | VT2P | 104 | 227.6 | 18.6 | 4 | 715 | 8 | 208.1 | 241.9 | 225.3 | 235.5 | 227.1 | 227.1 | |
| Latham | LH5245VT2ProRIB | VT2P,B | 102 | 227.1 | 17.9 | 3 | 718 | 7 | 197.6 | 238.7 | 238.6 | 224.9 | 235.5 | 235.5 | |
| Champion | 53A19SSRIB | STX | 103 | 227.0 | 18.9 | 2 | 711 | 10 | 201.3 | 235.5 | 250.5 | 219.1 | 228.4 | 228.4 | |
| Kruger | K4R-9704 | STX,B | 104 | 226.8 | 19.1 | 3 | 709 | 12 | 229.7 | 241.6 | 227.4 | 213.2 | 221.9 | 221.9 | |
| Golden Harvest | G05K08-3010A | 3010,A | 105 | 226.6 | 18.1 | 5 | 715 | 9 | 215.8 | 233.4 | 230.9 | 221.1 | 231.9 | 231.9 | |
| NuTech/G2 Gen | E5FN-A604 | OI | 104 | 226.1 | 20.3 | 3 | 699 | 19 | 210.3 | 241.4 | 254.9 | 188.5 | 235.3 | 235.3 | |
| NuTech/G2 Gen | 5F-504 | AM,B | 104 | 225.8 | 19.4 | 8 | 704 | 14 | 224.4 | 240.4 | 217.5 | 209.6 | 237.0 | 237.0 | |
| Cornelius | C478DP | VT2P | 106 | 225.4 | 19.3 | 6 | 703 | 16 | 191.8 | 228.5 | 226.2 | 227.6 | 252.7 | 252.7 | |
| FS InVISION | FS 53ZX1 RIB | STX,B | 103 | 225.2 | 19.2 | 2 | 704 | 15 | 238.0 | 215.5 | 232.1 | 211.3 | 229.0 | 229.0 | |
| LG Seeds | LG5525VT2RIB | VT2P,B | 105 | 224.8 | 19.5 | 2 | 700 | 18 | 208.9 | 249.9 | 207.2 | 220.6 | 237.3 | 237.3 | |
| Wyffels | W4196RIB | VT2P,B | 105 | 224.0 | 19.6 | 3 | 697 | 23 | 177.8 | 246.4 | 218.9 | 230.7 | 246.4 | 246.4 | |
| Latham | LH5505VT2ProRIB | VT2P,B | 105 | 223.7 | 19.9 | 3 | 694 | 27 | 225.1 | 228.0 | 219.6 | 223.3 | 222.5 | 222.5 | |
| Pfister | 66Y3PE | PC,E | 106 | 223.7 | 20.0 | 15 | 693 | 30 | 171.0 | 233.3 | 242.8 | 212.8 | 258.6 | 258.6 | |
| Viking | 51-04 | None | 104 | 222.6 | 18.8 | 18 | 698 | 20 | 197.9 | 233.9 | 221.3 | 229.8 | 230.2 | 230.2 | |
| NuTech/G2 Gen | 5F-601 | AM,AQ,B | 101 | 221.9 | 18.8 | 3 | 696 | 26 | 222.8 | 236.1 | 218.6 | 199.8 | 232.2 | 232.2 | |
| Hefty | H5212VT2PRIB | VT2P,B | 102 | 221.8 | 17.9 | 3 | 702 | 17 | 196.5 | 231.5 | 211.0 | 232.5 | 237.5 | 237.5 | |
| Titan Pro | 82-04 2P | VT2P,B | 104 | 221.7 | 18.4 | 6 | 698 | 21 | 187.6 | 239.5 | 231.0 | 213.1 | 237.4 | 237.4 | |
| Titan Pro | TP 40-03 | None | 103 | 221.2 | 18.9 | 16 | 693 | 31 | 203.0 | 239.8 | 212.7 | 218.3 | 232.6 | 232.6 | |
| FS InVISION | FS 51QX1 RIB | STX,B | 101 | 221.0 | 18.2 | 5 | 697 | 24 | 216.8 | 231.7 | 228.5 | 208.4 | 219.8 | 219.8 | |
| Champion | 56A18VT2ProRIB | VT2P,B | 106 | 220.8 | 18.6 | 2 | 694 | 28 | 193.6 | 226.3 | 240.5 | 204.1 | 239.5 | 239.5 | |
| Champion | 52A18VT2ProRIB | VT2P,B | 102 | 220.1 | 18.3 | 3 | 694 | 29 | 180.3 | 247.6 | 226.6 | 195.5 | 250.6 | 250.6 | |
| Pioneer | P0589AMXT CK | AMXT,AQ,B | 105 | 224.8 | 20.0 | 3 | 697 | 22 | 222.6 | 240.5 | 231.1 | 225.9 | 208.8 | 226.1 | |
| | | | | Averages = | 219.9 | 19.1 | 5 | 688 | | 202.3 | 233.1 | 215.3 | 222.0 | 212.1 | 230.2 |
| | | | | LSD (0.10) = | 11.1 | 0.6 | 4 | | | 16.4 | 9.0 | 35.7 | 10.9 | 11.5 | 13.3 |
| | | | | LSD (0.25) = | 5.8 | 0.3 | 2 | | | 8.6 | 4.7 | 18.7 | 5.7 | 6.0 | 7.0 |

Data Rejected - Not in Summary

Corey Rozenboom

Corey Rozenboom

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Previous years average yield for region, 196.7 bu/a, 18 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 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: 10/21/2018 Revised:

2018 Corn Grain Top 30 Performance Summary for Iowa North Central [IANC]



Full-Season Test

107 - 110 Day CRM

B2018IANCb

Top 30 of 60

For Gross Income (Sorted by Yield), (12) Replication Average

| Company/Brand | Product/Brand† | Technol.† | RM | Yield Bu/A ↓ | Moisture % | Lodging % | Gross Income \$/A | Rank | Britt | Greene | Iowa Falls | Osage | Plymouth | Waterloo |
|----------------|------------------|-----------|-----|--------------|------------|-----------|-------------------|------|-------|--------|------------|-------|----------|----------|
| FS InVISION | FS 58G00 | None | 108 | 238.4 | 21.3 | 4 | 730 | 1 | 187.8 | 241.7 | 194.8 | 231.8 | 232.2 | 247.7 |
| NK Brand | NK0962-3220A-EZR | 3220,A,B | 109 | 235.9 | 22.1 | 2 | 716 | 4 | 165.9 | 218.6 | 188.5 | 239.1 | 227.1 | 258.8 |
| Viking | 48-08 | None | 108 | 235.4 | 21.0 | 2 | 723 | 3 | 214.5 | 249.1 | 173.9 | 222.0 | 220.8 | 249.8 |
| Golden Harvest | G09Y24-3220A-EZR | 3220,A,B | 109 | 234.5 | 22.2 | 5 | 711 | 6 | 208.5 | 223.8 | 191.4 | 245.7 | 231.9 | 236.7 |
| NuTech/G2 Gen | 5FB-1010 | AM,B | 110 | 233.6 | 22.5 | 2 | 707 | 8 | 171.4 | 233.1 | 196.5 | 239.6 | 212.2 | 249.5 |
| Kruger | K0807SS | STX,B | 108 | 232.9 | 21.7 | 2 | 710 | 7 | 187.8 | 234.6 | 194.8 | 230.3 | 227.4 | 239.4 |
| Champion | 57A19VT2ProRIB | VT2P | 107 | 232.2 | 19.4 | 7 | 724 | 2 | 208.5 | 230.3 | 203.5 | 219.9 | 231.8 | 246.7 |
| Champion | 60A18VT2ProRIB | VT2P,B | 110 | 232.0 | 21.1 | 3 | 712 | 5 | 187.8 | 225.1 | 194.8 | 236.8 | 230.3 | 235.6 |
| Pfister | 2545RASS | STX,B | 107 | 231.4 | 22.5 | 2 | 700 | 14 | 171.4 | 227.4 | 196.5 | 252.6 | 218.5 | 227.0 |
| Wyffels | W5516RIB | VT2P,B | 108 | 231.1 | 21.8 | 5 | 704 | 10 | 208.5 | 243.8 | 191.4 | 236.8 | 207.5 | 236.4 |
| Champion | CSX59A16SSRIB | STX,B | 109 | 230.6 | 22.0 | 2 | 701 | 12 | 171.4 | 224.9 | 196.5 | 240.7 | 223.9 | 232.9 |
| Latham | EX5917VT2Pro | VT2P | 109 | 229.2 | 21.4 | 3 | 701 | 13 | 187.8 | 245.0 | 194.8 | 191.1 | 237.3 | 243.3 |
| Cornelius | C633DP | VT2P | 110 | 229.0 | 21.8 | 2 | 698 | 15 | 208.5 | 239.3 | 203.5 | 237.8 | 214.3 | 224.4 |
| Renk | RK779SSTX | STX | 108 | 228.8 | 22.6 | 2 | 691 | 24 | 165.9 | 230.7 | 188.5 | 233.4 | 224.7 | 226.4 |
| Legend | X0895 | STX | 108 | 228.8 | 22.6 | 3 | 691 | 25 | 171.4 | 230.5 | 196.5 | 235.5 | 219.2 | 229.9 |
| LG Seeds | LG58C77VT2PRO | VT2P | 108 | 228.7 | 20.4 | 2 | 706 | 9 | 214.5 | 228.9 | 203.5 | 214.9 | 221.0 | 249.8 |
| Golden Harvest | G09A86-3000GT | 3000GT | 109 | 228.4 | 21.8 | 3 | 696 | 16 | 208.5 | 224.9 | 191.4 | 242.9 | 215.2 | 230.6 |
| FS InVISION | FS 60UX1 RIB | STX,B | 110 | 228.1 | 23.3 | 2 | 685 | 28 | 165.9 | 236.8 | 188.5 | 237.8 | 216.5 | 221.2 |
| NuTech/G2 Gen | 5FN-8808 | OI | 108 | 227.3 | 21.2 | 2 | 696 | 17 | 171.4 | 221.3 | 196.5 | 241.9 | 214.5 | 231.6 |
| Kruger | K4R-9608 | STX,B | 108 | 226.8 | 21.3 | 2 | 694 | 20 | 187.8 | 239.0 | 194.8 | 211.3 | 237.3 | 219.6 |
| Pioneer | P1197AM GC | AM,B | 111 | 226.5 | 23.4 | 2 | 679 | 29 | 165.9 | 240.4 | 188.5 | 259.4 | 190.5 | 215.8 |
| Kruger | K1005DP | VT2P,B | 110 | 226.0 | 23.2 | 3 | 679 | 30 | 171.4 | 233.7 | 196.5 | 226.2 | 200.1 | 244.1 |
| Wyffels | W6408 | STX | 110 | 225.6 | 23.0 | 4 | 679 | 31 | 208.5 | 228.8 | 203.5 | 215.9 | 210.2 | 247.6 |
| Hefty | H5922VT2P | VT2P | 109 | 225.2 | 21.4 | 4 | 689 | 27 | 165.9 | 238.1 | 188.5 | 199.1 | 213.9 | 249.8 |
| Latham | LH5725VT2Pro | VT2P | 107 | 224.6 | 18.8 | 4 | 704 | 11 | 187.8 | 232.2 | 194.8 | 220.3 | 206.8 | 238.9 |
| Titan Pro | TP 40-09 | None | 109 | 222.9 | 20.2 | 3 | 690 | 26 | 214.5 | 224.1 | 203.7 | 220.3 | 206.8 | 240.2 |
| Cornelius | C573DP | VT2P | 108 | 222.2 | 19.0 | 2 | 695 | 19 | 208.5 | 234.9 | 203.5 | 211.7 | 196.3 | 245.8 |
| Epley | E1712SS | STX | 107 | 222.1 | 19.2 | 3 | 694 | 21 | 228.2 | 219.0 | 176.8 | 213.3 | 202.8 | 253.1 |
| Renk | RK763VT2P | VT2P,B | 108 | 221.0 | 18.9 | 2 | 692 | 23 | 169.1 | 239.4 | 218.4 | 213.0 | 213.4 | 218.0 |
| Viking | 13-07 | None | 107 | 220.1 | 18.3 | 4 | 694 | 22 | 166.4 | 216.5 | 190.2 | 230.9 | 193.7 | 239.1 |
| Pioneer | P0589AMXT CK | AMXT,AQ,B | 105 | 225.3 | 20.3 | 2 | 696 | 18 | 208.3 | 238.7 | 206.0 | 222.2 | 207.3 | 232.9 |

Data Rejected - Not in Summary

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Corey Rozenboom

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|--------------|-------|------|----|-----|-------|-------|-------|-------|-------|-------|
| Averages = | 222.4 | 21.4 | 3 | 680 | 196.7 | 226.0 | 196.0 | 223.7 | 209.0 | 231.0 |
| LSD (0.10) = | 11.3 | 0.8 | ns | | 26.0 | 8.2 | 36.9 | 11.4 | 10.9 | 11.6 |
| LSD (0.25) = | 5.9 | 0.4 | ns | | 13.6 | 4.3 | 19.4 | 6.0 | 5.7 | 6.1 |

Previous years average yield for region, 196.7 bu/a, 18 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 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.

Additional reports available at www.firstseedtests.com.

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Report Date: 10/21/2018

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 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.