

Test by: F.I.R.S.T. NCB, Inc. Lanark, IL

2019 Corn Grain Top 30 Harvest Report

Wisconsin South [WISO] WATERTOWN, WI
Dean Weichmann, Jefferson County, WI 53038

| | |
|-------------------------------|----------------------------------------------------------------------|
| Early-Season Test | 99 - 104 Day CRM B2019WISO03a |
| Top 30 of 54 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Soybean / Zidua, 41% Glyphos, 41% Glyphos |
| SOIL DESCRIPTION: | Tuscola silt loam, well drained, non-irrigated |
| SOIL CONDITION: | No-Till, very high P, high K, 6.7 pH, 1.6% OM, 7.0 CEC |
| PEST MANAGEMENT: | Roundup, 2,4-D, Surestart, Laudis, Force |
| FERTILITY - Applied N: | 48.0 Fall, 96 Sidedress |
| Applied N-P-K (units): | 144-60-120 |
| SEEDED - RATE - ROW: | May 14 35.4 /A 30" spacing |
| HARVESTED - STAND: | Nov 4 34.9 /A |

TEST COMMENTS:

For a dryland, sandy, light type of soil, this location produced incredible numbers. Stands were all good, and the plot looked uniform at V4 stage. Cool damp conditions most of the growing season suppressed the vegetative growth. Plants were short and ear placement was 2 feet off the ground in some cases. No noticeable diseases, but there was ear molds on the tips. Most hybrids had about 3/4" tip back.

| Company/Brand | Product/Brand | Technol.† | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|--------------------|-----------|-----|--------------|--------------|-------------|----------------|----------------------|------------|
| DAIRYLAND | DS-7004RA | PC,B | 104 | 259.0 | 22.1 | 1 | 34.8 | 903 | 3 |
| NK BRAND | NK0472-3110 | 3110 | 104 | 258.7 | 20.1 | 4 | 34.8 | 918 | 1 |
| CORNELIUS | C349SS | STX | 102 | 256.6 | 19.7 | 2 | 34.8 | 913 | 2 |
| CORNELIUS | C6438DP | VT2P | 104 | 253.4 | 21.9 | 1 | 33.9 | 885 | 9 |
| WYFFELS | W2506RIB | VT2P,B | 101 | 253.2 | 19.7 | 4 | 32.2 | 901 | 4 |
| GOLDEN HARVEST | G02K39-3120-EZR | 3120,B | 102 | 252.8 | 21.1 | 1 | 33.9 | 889 | 8 |
| BURRUS | POWER PLUS 2Y06AM^ | AM,B | 104 | 252.3 | 20.6 | 2 | 36.6 | 891 | 5 |
| LATHAM | LH5377VT2PRIB | VT2P,B | 100 | 251.6 | 21.7 | 1 | 35.7 | 880 | 12 |
| CORNELIUS | C385DP | VT2P | 103 | 251.4 | 20.3 | 1 | 33.9 | 890 | 7 |
| LATHAM | LH5487VT2PRIB | VT2P,B | 104 | 251.1 | 21.1 | 1 | 35.7 | 883 | 10 |
| HEFTY | H4933VT2PDGRIB GC | VT2P,DG,B | 99 | 250.2 | 19.6 | 1 | 35.7 | 891 | 6 |
| JUNG | 54SS528 | STX,B | 104 | 249.5 | 21.7 | 1 | 35.7 | 873 | 13 |
| DEKALB | DKC52-68RIB GC | VT2P,B | 102 | 248.2 | 21.9 | 4 | 35.7 | 867 | 15 |
| FEDERAL | 5280CONV | None | 101 | 247.9 | 19.9 | 1 | 35.7 | 881 | 11 |
| DAIRYLAND | DS-4019AM | AM,B | 99 | 247.0 | 20.7 | 1 | 34.8 | 872 | 14 |
| NK BRAND | NK0243-3120-EZR | 3120,B | 102 | 246.3 | 22.0 | 22 | 35.7 | 860 | 17 |
| AUGUSTA | A3052 | 3110 | 102 | 243.5 | 20.2 | 4 | 34.8 | 863 | 16 |
| DAIRYLAND | DS-4440AM | AM,B | 104 | 242.8 | 22.3 | 2 | 35.7 | 845 | 22 |
| HEFTY | H5212VT2PRIB GC | VT2P,B | 102 | 242.3 | 20.7 | 1 | 34.8 | 855 | 19 |
| LATHAM | LH5245VT2PRIB | VT2P,B | 102 | 241.1 | 20.2 | 2 | 32.2 | 854 | 20 |
| RENK | RK579DGV2P | VT2P,DG,B | 98 | 239.1 | 18.7 | 1 | 33.9 | 858 | 18 |
| JUNG | 52SS507RIB | STX,B | 102 | 238.6 | 21.4 | 2 | 35.7 | 837 | 24 |
| RENK | RK626SSTX | STX | 102 | 238.5 | 19.6 | 4 | 35.7 | 849 | 21 |
| INTEGRA | 5280 | STX,B | 102 | 237.8 | 21.4 | 1 | 34.8 | 834 | 25 |
| HEFTY | H5132VT2P GC | VT2P | 101 | 236.6 | 20.0 | 1 | 33.9 | 840 | 23 |
| GOLDEN HARVEST | G03R40-3110 | 3110 | 103 | 236.1 | 21.0 | 2 | 35.7 | 831 | 26 |
| FEDERAL | 4999VT2PRIB | VT2P,B | 99 | 230.5 | 19.0 | 1 | 33.9 | 825 | 27 |
| RENK | RK621VT2P | VT2P | 102 | 230.4 | 20.8 | 1 | 34.8 | 812 | 28 |
| FS INVISION | FS 53ZX1 RIB | STX,B | 103 | 228.9 | 21.3 | 1 | 35.7 | 804 | 30 |
| WYFFELS | W2198RIB | STX,B | 100 | 225.1 | 18.1 | 1 | 36.6 | 812 | 29 |
| PIONEER | P0389AMX CK | AMX-R,B | 104 | 167.1 | 24.3 | 18 | 34.8 | 572 | 54 |
| | | | | Averages = | 232.8 | 21.0 | 4 | 34.9 | 820 |
| | | | | LSD (0.10) = | 17.5 | 1.1 | ns | | |
| | | | | LSD (0.25) = | 9.2 | 0.6 | ns | | |
| | | | | C.V. = | 7.1 | | | | |

Jason T. Beyers

Jason Beyers

beyers@frontiernet.net, (815) 493-9005

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.70; non-GMO = \$3.75

Test by: F.I.R.S.T. NCB, Inc. Lanark, IL

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Wisconsin South [WISO] WATERTOWN, WI
Dean Weichmann, Jefferson County, WI 53038

| | |
|-------------------------------|----------------------------------------------------------------------|
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| SOIL CONDITION: | No-Till, very high P, high K, 6.7 pH, 1.6% OM, 7.0 CEC |
| PEST MANAGEMENT: | Roundup, 2,4-D, Surestart, Laudis, Force |
| FERTILITY - Applied N: | 48.0 Fall, 96 Sidedress |
| Applied N-P-K (units): | 144-60-120 |
| SEEDED - RATE - ROW: | May 14 35.4 /A 30" spacing |
| HARVESTED - STAND: | Nov 4 35.0 /A |

TEST COMMENTS:

For a dryland, sandy, light type of soil, this location produced incredible numbers. Stands were all good, and the plot looked uniform at V4 stage. Cool damp conditions most of the growing season suppressed the vegetative growth. Plants were short and ear placement was 2 feet off the ground in some cases. No noticeable diseases, but there was ear molds on the tips. Most hybrids had about 3/4" tip back.

| Company/Brand | Product/Brand | Technol.† | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|------------------|-----------|-----|--------------|------------|-----------|----------------|----------------------|------|
| DAIRYLAND | DS-4840AM | AM,B | 108 | 269.0 | 22.5 | 2 | 34.8 | 935 | 1 |
| ARMOR | X9107A | STX | 107 | 257.4 | 25.5 | 2 | 34.8 | 871 | 2 |
| FS INVISION | FS 58RL1 EZR | 3220,B | 108 | 252.2 | 25.5 | 2 | 35.7 | 854 | 4 |
| JUNG | 56SS538 | STX,B | 106 | 250.3 | 25.2 | 2 | 35.7 | 849 | 8 |
| ARMOR | X9110 | VT2P | 108 | 249.5 | 29.8 | 1 | 36.6 | 812 | 30 |
| LATHAM | LH5742RR | RR2 | 107 | 247.1 | 25.8 | 4 | 34.8 | 834 | 15 |
| RENK | RK765VT2P | VT2P | 108 | 247.0 | 25.9 | 2 | 34.8 | 833 | 16 |
| AUGUSTA | A3058 | 3120,A,B | 108 | 246.6 | 24.4 | 1 | 35.7 | 843 | 12 |
| TITAN PRO | 96-06 2P | VT2P,B | 106 | 246.0 | 22.0 | 2 | 33.1 | 858 | 3 |
| DAIRYLAND | DS-562XRR | RR2 | 106 | 245.2 | 23.1 | 1 | 33.9 | 848 | 9 |
| FS INVISION | FS 57ZV1 RIB | VT2P,B | 107 | 244.3 | 22.2 | 1 | 33.9 | 851 | 7 |
| RENK | RK763VT2P | VT2P,B | 108 | 244.1 | 22.0 | 1 | 34.8 | 852 | 6 |
| AUGUSTA | A4858 | 3010,B | 108 | 242.4 | 22.6 | 1 | 33.1 | 841 | 13 |
| JUNG | 57SS530 | STX,B | 107 | 242.4 | 25.2 | 1 | 30.4 | 823 | 24 |
| INTEGRA | 5719 | VT2P,B | 107 | 242.1 | 22.0 | 2 | 35.7 | 845 | 11 |
| FS INVISION | FS 57ZX1 RIB | STX,B | 107 | 241.5 | 21.5 | 4 | 34.8 | 846 | 10 |
| CORNELIUS | C478DP | VT2P | 106 | 241.1 | 20.4 | 1 | 35.7 | 853 | 5 |
| LATHAM | LH5725VT2PRIB | VT2P,B | 107 | 238.8 | 22.3 | 2 | 36.6 | 831 | 18 |
| LATHAM | LH5635VT2PRIB | VT2P,B | 106 | 238.6 | 22.1 | 2 | 33.9 | 832 | 17 |
| FS INVISION | FS 5594X RIB | STX,B | 105 | 238.5 | 22.2 | 1 | 34.8 | 831 | 19 |
| WYFFELS | W4196RIB | VT2P,B | 105 | 238.5 | 23.0 | 1 | 35.7 | 825 | 22 |
| FEDERAL | 5885VT2PRIB | VT2P,B | 108 | 238.2 | 21.0 | 1 | 35.7 | 838 | 14 |
| DAIRYLAND | DS-4580AM | AM | 105 | 238.2 | 23.1 | 2 | 34.8 | 824 | 23 |
| INTEGRA | 5770 | STX | 107 | 238.1 | 23.5 | 2 | 34.8 | 820 | 26 |
| CORNELIUS | C573DP | VT2P | 108 | 237.3 | 21.7 | 1 | 35.7 | 830 | 20 |
| ARMOR | X9105 | VT2P | 106 | 235.6 | 20.8 | 1 | 34.8 | 830 | 21 |
| AUGUSTA | A2856 | 3220,B | 105 | 234.8 | 22.4 | 1 | 34.8 | 816 | 28 |
| INTEGRA | 5529 | STX,B | 105 | 233.7 | 21.2 | 4 | 35.7 | 821 | 25 |
| CORNELIUS | C461SS | STX | 106 | 233.1 | 21.5 | 4 | 34.8 | 817 | 27 |
| GOLDEN HARVEST | G05K08-3010A-EXR | 3010,A | 105 | 228.5 | 19.4 | 1 | 36.6 | 816 | 29 |
| PIONEER | P0389AMX CK | AMX-R,B | 104 | 163.0 | 25.0 | 2 | 34.8 | 554 | 54 |

Jason T. Beyers

Jason Beyers

beyers@frontiernet.net, (815) 493-9005

| | | | | | |
|--------------|--------------|-------------|----------|-------------|------------|
| Averages = | 234.6 | 23.4 | 2 | 35.0 | 809 |
| LSD (0.10) = | 14.0 | 1.9 | 3 | | |
| LSD (0.25) = | 7.3 | 1.0 | 2 | | |
| C.V. = | 5.6 | | | | |

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.70; non-GMO = \$3.75

2019 Corn - Wisconsin South [WISO]

Early-Season Test Products (54 Total)

| Company/Brand | Product/Brand | Technology | RM |
|----------------|----------------------|------------|-----|
| ARMOR | X9101A | VT2P | 101 |
| AUGUSTA | A3052 | 3110 | 102 |
| AUGUSTA | A3054 | 3110 | 104 |
| BURRUS | POWER PLUS 2V15AMXT^ | AMXT,B | 104 |
| BURRUS | POWER PLUS 2Y06AM^ | AM,B | 104 |
| CORNELIUS | C349SS | STX | 102 |
| CORNELIUS | C385DP | VT2P | 103 |
| CORNELIUS | C6438DP | VT2P | 104 |
| DAIRYLAND | DS-4018AM | AM,AQ,B | 101 |
| DAIRYLAND | DS-4019AM | AM,B | 99 |
| DAIRYLAND | DS-4310AM | AM | 103 |
| DAIRYLAND | DS-4440AM | AM,B | 104 |
| DAIRYLAND | DS-7004RA | PC,B | 104 |
| DEKALB | DKC52-68RIB GC | VT2P,B | 102 |
| FEDERAL | 4999VT2PRIB | VT2P,B | 99 |
| FEDERAL | 5280CONV | None | 101 |
| FS INVISION | FS 5098X RIB | STX,B | 100 |
| FS INVISION | FS 51QX1 RIB | STX,B | 101 |
| FS INVISION | FS 53ZX1 RIB | STX,B | 103 |
| GOLDEN HARVEST | G00H12-3010 | 3010 | 100 |
| GOLDEN HARVEST | G02K39-3120-EZR | 3120,B | 102 |
| GOLDEN HARVEST | G03R40-3110 | 3110 | 103 |
| GOLDEN HARVEST | G04S19-3122-EZR | 3122,B | 104 |
| HEFTY | H4922VT2PRIB GC | VT2P,B | 99 |
| HEFTY | H4933VT2PDGRIB GC | VT2P,DG,B | 99 |
| HEFTY | H5132VT2P GC | VT2P | 101 |
| HEFTY | H5212VT2PRIB GC | VT2P,B | 102 |
| HEFTY | H5334SS GC | STX | 103 |
| INTEGRA | 5081 | VT2P,DG,B | 100 |
| INTEGRA | 5280 | STX,B | 102 |
| INTEGRA | CX931104 | VT2P | 104 |
| JUNG | 52SS507RIB | STX,B | 102 |
| JUNG | 53SS517RIB | STX,B | 103 |
| JUNG | 54SS528 | STX,B | 104 |
| LATHAM | EX 5035 VT2P | VT2P | 100 |
| LATHAM | LH5077VT2PRIB | VT2P,B | 100 |

| Company/Brand | Brand/Product | Technology | RM |
|---------------|-----------------|------------|-----|
| LATHAM | LH5245VT2PRIB | VT2P,B | 102 |
| LATHAM | LH5377VT2PRIB | VT2P,B | 100 |
| LATHAM | LH5487VT2PRIB | VT2P,B | 104 |
| NK BRAND | NK0243-3120-EZR | 3120,B | 102 |
| NK BRAND | NK0472-3110 | 3110 | 104 |
| PIONEER | P0157AMXT GC | AMXT,AQ,B | 101 |
| PIONEER | P0389AMX CK | AMX-R,B | 104 |
| RENK | RK579DGV2P | VT2P,DG,B | 98 |
| RENK | RK604SSTX | STX,B | 102 |
| RENK | RK621VT2P | VT2P | 102 |
| RENK | RK626SSTX | STX | 102 |
| RENK | RK642VT2P | VT2P,B | 103 |
| TITAN PRO | 82-04 2P | VT2P,B | 104 |
| TITAN PRO | 92-99 2P | VT2P,B | 99 |
| WYFFELS | W2198RIB | STX,B | 100 |
| WYFFELS | W2236 | VT2P | 99 |
| WYFFELS | W2506RIB | VT2P,B | 101 |
| WYFFELS | W3488RIB | STX,B | 104 |

2019 Corn - Wisconsin South [WISO]



Full-Season Test Products (54 Total)

| Company/Brand | Product/Brand | Technology | RM |
|----------------|--------------------|------------|-----|
| ARMOR | X9105 | VT2P | 106 |
| ARMOR | X9105B | VT2P | 105 |
| ARMOR | X9107A | STX | 107 |
| ARMOR | X9110 | VT2P | 108 |
| AUGUSTA | A1059 | 3110 | 109 |
| AUGUSTA | A2856 | 3220,B | 105 |
| AUGUSTA | A3058 | 3120,A,B | 108 |
| AUGUSTA | A4858 | 3010,B | 108 |
| BURRUS | POWER PLUS 3B47 Q^ | QR,B | 106 |
| BURRUS | POWER PLUS 3V14^ | AM,B | 106 |
| BURRUS | POWER PLUS 4Y34^ | OI | 108 |
| CORNELIUS | C461SS | STX | 106 |
| CORNELIUS | C478DP | VT2P | 106 |
| CORNELIUS | C573DP | VT2P | 108 |
| DAIRYLAND | DS-4329AM | AM,B | 105 |
| DAIRYLAND | DS-4580AM | AM | 105 |
| DAIRYLAND | DS-4816AM | AM,B | 108 |
| DAIRYLAND | DS-4840AM | AM,B | 108 |
| DAIRYLAND | DS-562XRR | RR2 | 106 |
| FEDERAL | 5885VT2PRIB | VT2P,B | 108 |
| FS INVISION | FS 5594X RIB | STX,B | 105 |
| FS INVISION | FS 55RL1 EZR | 3220,B | 105 |
| FS INVISION | FS 57ZV1 RIB | VT2P,B | 107 |
| FS INVISION | FS 57ZX1 RIB | STX,B | 107 |
| FS INVISION | FS 58RL1 EZR | 3220,B | 108 |
| GOLDEN HARVEST | G05K08-3010A-EXR | 3010,A | 105 |
| GOLDEN HARVEST | G06Q68-3220 | 3220,B | 106 |
| GOLDEN HARVEST | G08M20-3120-EZR | 3120,B | 108 |
| INTEGRA | 5529 | STX,B | 105 |
| INTEGRA | 5719 | VT2P,B | 107 |
| INTEGRA | 5770 | STX | 107 |
| JUNG | 56SS538 | STX,B | 106 |
| JUNG | 57SS530 | STX,B | 107 |
| JUNG | 58SS537RIB | STX,B | 108 |
| LATHAM | LH5546-3220-EZR | 3220,B | 105 |
| LATHAM | LH5635VT2PRIB | VT2P,B | 106 |

| Company/Brand | Brand/Product | Technology | RM |
|---------------|-----------------|------------|-----|
| LATHAM | LH5725VT2PRIB | VT2P,B | 107 |
| LATHAM | LH5742RR | RR2 | 107 |
| LATHAM | LH5847VT2PRIB | VT2P,B | 108 |
| NK BRAND | NK0624-3220-EZR | 3220,B | 106 |
| NK BRAND | NK0886-3120-EZR | 3120,B | 108 |
| PIONEER | P0389AMX CK | AMX-R,B | 104 |
| PIONEER | P0707AMXT GC | AMXT,B | 107 |
| RENK | RK710DGV2P | VT2P,DG,B | 106 |
| RENK | RK717SSTX | STX,B | 105 |
| RENK | RK737SSTX | STX,B | 106 |
| RENK | RK763VT2P | VT2P,B | 108 |
| RENK | RK765VT2P | VT2P | 108 |
| TITAN PRO | 96-06 2P | VT2P,B | 106 |
| WYFFELS | W4196RIB | VT2P,B | 105 |
| WYFFELS | W4358RIB | STX,B | 106 |
| WYFFELS | W4638 | STX | 107 |
| WYFFELS | W5086 | VT2P | 107 |
| WYFFELS | W5516RIB | VT2P,B | 108 |

Footnotes and Abbreviations Descriptions

Brand Footnotes

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark 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*

| | | | | | |
|--------|-------------------------------------------|------|------------------------------------------------------|------|-------------------------------------------------|
| 3010 | Agrisure® 3010 (CB,LL,GT) | AMXT | Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2) | OI | Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2) |
| 3011,A | Agrisure® Artesian® (CB,RW,LL,GT) | AQ | Optimum® AQUAMax® | OIX | Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2) |
| 3110 | Agrisure® Viptera® 3110 (Vip, CB,LL,GT) | B | Refuge blend product | OIXT | Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2) |
| 3111 | Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT) | CB | Agrisure® Corn Borer | PC | PowerCore™ (HX, VT2P) |
| 3120 | Agrisure® 3120 (CB,HX,LL,GT) | DG | Genuity® DroughtGard® | RR2 | Roundup Ready® 2 Corn |
| 3122 | Agrisure® 3122 (CB,HXX,RW,LL,GT) | E | Enlist™ (2,4-D, glyphosate, fop herbicide tolerance) | RW | Agrisure® Rootworm |
| 3220 | Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT) | GT | Agrisure® GT | STX | SmartStax® (VT3P,HXT,RR2,LL) |
| 3330 | Agrisure® Viptera® 3330 (Vip,CB,HX,LL,GT) | HX | Herculex® 1, contains LL | TRE | Genuity® Trecepta™ |
| A | Agrisure® Artesian® | HXRW | Herculex® Rootworm, contains LL | VT2P | Genuity® VT Double PRO® |
| AM | Optimum® AcreMax® (YGCB,HX,LL,RR2) | HXT | Herculex® Xtra (HX,HXRW,LL) | VT3P | Genuity® VT Triple PRO® |
| AMT | Optimum® AcreMax®TRIssect (HX,RW,LL,RR2) | LL | LibertyLink® | YGCB | YieldGard® Corn Borer |
| AMX | Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2) | None | conventional corn | | |

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