

Test by: M.A.I.T.S. Mount Joy, PA

2021 Corn Grain Top 30 Harvest Report

Delaware Maryland North [DMNO] BRIDGEVILLE, DE
Ken Arney, Sussex County, DE 19933

| | |
|-------------------------------|--|
| All-Season Test | 106 - 116 Day CRM B2021DMNO13 |
| Top 30 of 53 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Soybeans / Liberty |
| SOIL DESCRIPTION: | loamy sand, mod. well drained, irrigated |
| SOIL CONDITION: | Conventional W/O Fall Till, very high P, very high K, 5.5 pH, 1.3% OM, 3.9 CEC |
| PEST MANAGEMENT: | Halexgt, Glyphosate |
| FERTILITY - Applied N: | 105 Spring, 120 Sidedress |
| Applied N-P-K (units): | 225-115-285 |
| SEEDED - RATE - ROW: | May 14 34.5 /A 30" spacing |
| HARVESTED - STAND: | Oct 1 32.9 /A |

TEST COMMENTS:

The planting conditions were excellent in conventional tillage with a soil temperature of 62.8F and furrow moisture of 38.2%. The corn got off to a fast start, emergence was uniform and early vigor was good. Weed control in the plot was good with just some alley weeds. Standability at harvest was OK; most lodging was from root lodging. With all the rainfall throughout the spring and summer, some hybrids never rooted down in this sandy soil. Southern leaf blight and anthracnose were present with some diplopia stalk rot. The overall rating of the plot is a 7 out of 10. (10=best)

| Company/Brand | Product/Brand | Technol.† | RM | Yield Bu/A ↓ | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|------------------|--------------------|-----------|-----|--------------|------------|-----------|----------------|----------------------|------|
| Hefty | H6244 RIB ↗ | STX | 112 | 291.4 | 17.8 | 0 | 33.0 | 1672 | 1 |
| Augusta | A1961 TRE ↗ | TRE | 111 | 286.9 | 16.0 | 1 | 32.5 | 1660 | 2 |
| Augusta | A1165 VT2P ↗ | VT2P | 115 | 283.8 | 17.8 | 1 | 33.8 | 1629 | 3 |
| Dyna-Gro | D55VC80 ↗ | VT2P | 115 | 282.8 | 17.7 | 1 | 33.3 | 1624 | 4 |
| MorCorn | MC 4311 ↗ | TRE | 113 | 281.3 | 16.9 | 10 | 34.4 | 1621 | 5 |
| Local Seed | LC1497 DGVT2PRIB ↗ | VT2PDG | 114 | 279.7 | 15.7 | 0 | 32.7 | 1620 | 6 |
| Augusta | A3363 VT2PDG ↗ | VT2PDG | 113 | 278.2 | 18.5 | 0 | 32.1 | 1592 | 8 |
| Hubner | H09G056 ↗ | VT2PDG | 109 | 277.6 | 16.5 | 4 | 32.0 | 1603 | 7 |
| Chemgro | 7615RDP ↗ | VT2P | 116 | 275.5 | 17.8 | 3 | 33.3 | 1581 | 9 |
| Local Seed | LC1506 VT2PRIB ↗ | VT2P | 115 | 273.1 | 16.4 | 10 | 33.4 | 1577 | 10 |
| Pioneer | P1077AM GC ↗ | AM,AQ | 110 | 271.4 | 16.0 | 2 | 32.0 | 1570 | 11 |
| Mid-Atlantic | MA8106 ↗ | VT2P | 110 | 270.9 | 15.6 | 2 | 33.3 | 1570 | 12 |
| Hefty | H6134 RIB ↗ | STX | 111 | 270.8 | 16.1 | 3 | 34.1 | 1566 | 13 |
| Local Seed | LC1616 TCRIB ↗ | TRE | 116 | 270.4 | 19.3 | 0 | 33.9 | 1542 | 21 |
| Local Seed | LC1307 TCRIB ↗ | TRE | 113 | 270.3 | 16.5 | 5 | 32.9 | 1560 | 15 |
| Mid-Atlantic | MA8128 ↗ | VT2P | 112 | 269.5 | 15.5 | 3 | 33.6 | 1562 | 14 |
| Local Seed | LC1407 VT2PRIB ↗ | VT2P | 114 | 269.4 | 17.5 | 0 | 32.5 | 1548 | 18 |
| Local Seed | LC1009 VT2PRIB ↗ | VT2P | 110 | 269.3 | 15.7 | 1 | 34.2 | 1560 | 16 |
| Pioneer | P0806AM GC ↗ | AM | 108 | 267.9 | 15.8 | 4 | 31.9 | 1551 | 17 |
| MorCorn | MC 4319 ↗ | VT2P | 113 | 267.7 | 16.6 | 12 | 34.2 | 1544 | 20 |
| Hubner | H13G513 ↗ | VT2PDG | 113 | 267.6 | 16.3 | 6 | 32.4 | 1546 | 19 |
| Hubner | H4763RC2P ↗ | VT2P | 115 | 267.5 | 18.2 | 0 | 33.6 | 1533 | 24 |
| Hubner | H4390RC2P ↗ | VT2P | 109 | 266.5 | 16.0 | 2 | 33.3 | 1542 | 22 |
| Hubner | H4890RC2P ↗ | VT2P | 117 | 266.3 | 17.6 | 12 | 33.0 | 1530 | 25 |
| Hefty | H5944 RIB ↗ | STX | 109 | 266.2 | 15.6 | 1 | 33.0 | 1542 | 23 |
| Local Seed | LC1398 VT2PRIB ↗ | VT2P | 113 | 264.1 | 17.5 | 1 | 32.7 | 1518 | 26 |
| Seed Consultants | SC1092AM ↗ | AM | 109 | 262.4 | 16.8 | 0 | 31.1 | 1513 | 27 |
| Mid-Atlantic | MA8141 ↗ | VT2PDG | 114 | 262.4 | 17.2 | 1 | 34.6 | 1510 | 28 |
| Augusta | A7162 VT2P ↗ | VT2P | 112 | 261.8 | 16.6 | 4 | 33.0 | 1510 | 29 |
| Augusta | A4463 VT2P ↗ | VT2P | 113 | 256.8 | 15.8 | 2 | 33.6 | 1487 | 30 |

Robin Kauffman

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rkmaits@aol.com, (717) 413-0763

Averages = **259.8** **16.9** **4** **32.9** **1495**

LSD (0.10) = 20.9 0.7 ns

LSD (0.25) = 11.0 0.4 ns

C.V. = 7.6

Historic yield: 215.27 bu/a, 17 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.81

Report Date: 10/21/2021

Revised: 10/23/2021 Added Fertility and Applied N-P-K information

Additional reports available at www.firstseedtests.com

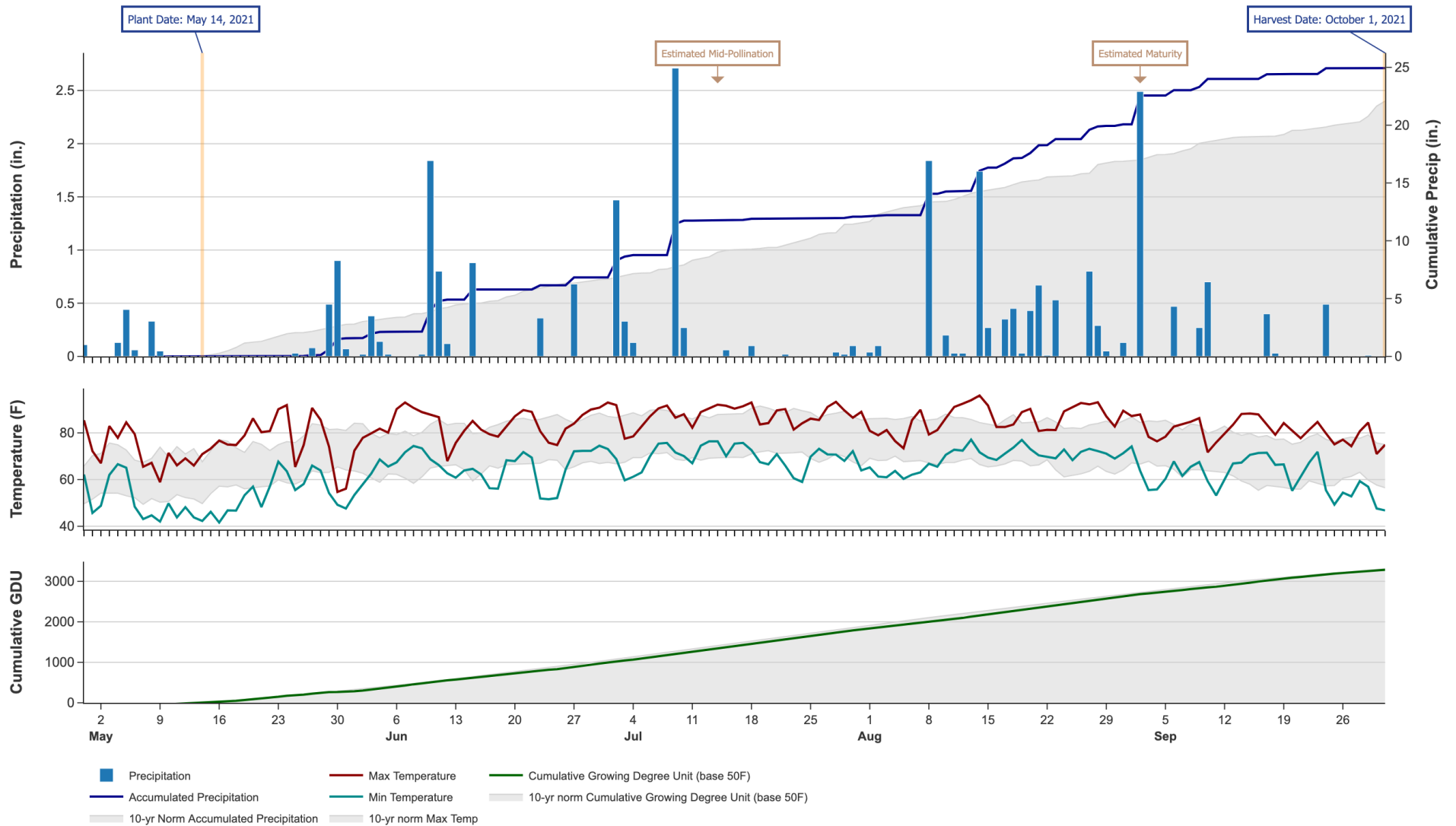
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com

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Weather Conditions Summary at BRIDGEVILLE, DE

| Monthly Total | Apr* | May | Jun | Jul | Aug | Sep | Oct* | Total |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Precip (in) Normal (Diff) | 0.1 0.2 (-0.1) | 2.6 4.4 (-1.8) | 5.3 3.9 (+1.4) | 5.2 4.9 (+0.3) | 8.0 5.3 (+2.7) | 4.9 4.8 (+0.1) | 0.0 0.4 (-0.4) | 26.1 23.9 (+2.2) |
| GDU Normal (Diff) | 24 7 (+16) | 442 474 (-32) | 699 715 (-16) | 844 861 (-17) | 816 792 (+23) | 642 616 (+25) | 12 15 (-3) | 3479 3484 (-5) |



* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

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All-Season Test Products (53 Total)

| Company/Brand | Product/Brand | Technology | RIB | RM | Seed Treat. |
|---------------|-----------------|------------|-----|-----|-------------|
| Augusta | A1165 VT2P | VT2P | N | 115 | CM,C2 |
| Augusta | A1961 TRE | TRE | N | 111 | AC,P2 |
| Augusta | A2362 VT2P | VT2P | N | 112 | CM,C2 |
| Augusta | A3363 VT2PDG | VT2PDG | N | 113 | CM,C2 |
| Augusta | A4463 VT2P | VT2P | N | 113 | CM,C2 |
| Augusta | A5364-3120-EZ | 3120 | Y | 114 | AVC,C5 |
| Augusta | A7162 VT2P | VT2P | N | 112 | CM,C2 |
| Chemgro | 7305RDP | VT2P | Y | 113 | AC,P2 |
| Chemgro | 7505RDP | VT2P | Y | 115 | AC,P2 |
| Chemgro | 7525RDP | VT2P | Y | 115 | AC,P5 |
| Chemgro | 7615RDP | VT2P | Y | 116 | AC,P2 |
| DeKalb | DKC58-64RIB GC | STX | Y | 108 | Treated |
| DeKalb | DKC62-53RIB GC | VT2P | Y | 112 | Treated |
| Dyna-Gro | D54VC34 | VT2P | N | 114 | AC,P5V |
| Dyna-Gro | D55VC80 | VT2P | N | 115 | AC,P5V |
| Great Heart | HT-7425DGV2P | VT2PDG | Y | 114 | AC,P5V |
| Great Heart | HT-7447VT2P | VT2P | Y | 114 | AC,P5V |
| Hefty | H5944 RIB | STX | Y | 109 | HC |
| Hefty | H6134 RIB | STX | Y | 111 | HC |
| Hefty | H6244 RIB | STX | Y | 112 | HC |
| Hefty | H6354 | STX | N | 113 | HC |
| Hefty | H6532 VT2PRIB | VT2P | Y | 115 | HC |
| Hefty | H6552 | VT2P | N | 115 | HC |
| Hubner | H09G056 | VT2PDG | Y | 109 | AC,P5 |
| Hubner | H13G513 | VT2PDG | Y | 113 | AC,P2 |
| Hubner | H4390RC2P | VT2P | Y | 109 | AC,P2 |
| Hubner | H4763RC2P | VT2P | Y | 115 | AC,P2 |
| Hubner | H4828RC2P | VT2P | Y | 116 | AC,P2 |
| Hubner | H4890RC2P | VT2P | Y | 117 | AC,P5 |
| Local Seed | LC1009 VT2PRIB | VT2P | Y | 110 | RA |
| Local Seed | LC1307 TCRIB | TRE | Y | 113 | RA |
| Local Seed | LC1398 VT2PRIB | VT2P | Y | 113 | RA |
| Local Seed | LC1407 VT2PRIB | VT2P | Y | 114 | RA |
| Local Seed | LC1497 DGV2PRIB | VT2PDG | Y | 114 | RA |
| Local Seed | LC1506 VT2PRIB | VT2P | Y | 115 | RA |
| Local Seed | LC1616 TCRIB | TRE | Y | 116 | RA |
| Mid-Atlantic | MA5155 | 3111 | N | 115 | CM,C2 |
| Mid-Atlantic | MA8064 | VT2P | N | 106 | AC,P2 |
| Mid-Atlantic | MA8106 | VT2P | Y | 110 | AC,P2 |
| Mid-Atlantic | MA8110 | TRE | N | 111 | AC,P2 |
| Mid-Atlantic | MA8128 | VT2P | Y | 112 | AC,P2 |
| Mid-Atlantic | MA8141 | VT2PDG | N | 114 | AC,P2 |

| Company/Brand | Brand/Product | Technology | RIB | RM | Seed Treat. |
|------------------|---------------|------------|-----|-----|-------------|
| Mid-Atlantic | MA8158 | STX | Y | 115 | AC,P2 |
| MorCorn | MC 3952 | VT2P | N | 109 | P1 |
| MorCorn | MC 4255 | VT2P | N | 112 | P1 |
| MorCorn | MC 4311 | TRE | N | 113 | P1 |
| MorCorn | MC 4319 | VT2P | N | 113 | P1 |
| Pioneer | P0806AM GC | AM | Y | 108 | Lum |
| Pioneer | P1077AM GC | AM,AQ | Y | 110 | Lum |
| Seed Consultants | SC1087AM | AM | Y | 108 | Lum,P1V |
| Seed Consultants | SC1092AM | AM | Y | 109 | Lum,P1V |
| Seed Consultants | SC1112AM | AM | Y | 111 | Lum,P1V |
| Seed Consultants | SC1122Q | QR | Y | 112 | Lum,P1V |

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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

| | |
|--------|--------------------------------------|
| 3111 | Agrisure® Viptera® 3111 |
| 3120 | Agrisure® 3120 (CB,HX,LL,GT) |
| AM | Optimum® AcreMax® |
| AQ | Optimum® AQUAmax® |
| QR | Qrome™ |
| STX | SmartStax® |
| TRE | Genuity® Trecepta™ |
| VT2P | Genuity® VT Double PRO® |
| VT2PDG | Genuity® VT Double PRO® DroughtGard® |

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

Corn Seed Treatments*

| | |
|---------|--------------------------------|
| NA | Not Available |
| AC,P2 | Accelaron® 250 |
| AC,P5 | Accelaron® 500 |
| AC,P5V | Accelaron® Poncho 500/Votivo |
| AVC,C5 | Avicta® Complete 500 |
| CM,C2 | CruiserMaxx® 250 |
| HC | Hefty Complete |
| Lum | LumiGEN™ (Corteva Agriscience) |
| Lum,P1V | LumiGEN™ Poncho 1250/Votivo |
| P1 | Poncho 1250 |
| RA | Radius 500 (Local Seed Co) |
| Treated | Treated seed, unspecified |

* Seed treatments may include unspecified plant health promoting components.