

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

2023 Corn Grain Top 30 Harvest Report

Delaware Maryland North [DMNO] MIDDLETOWN, DE
Bill Alfree, New Castle County, DE 19709

All-Season Test	106 - 116 Day CRM B2023DMNO13
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Liberty
SOIL DESCRIPTION:	Reybold silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 5.4 pH, 2.5% OM, 9.0 CEC
PEST MANAGEMENT:	Harness Xtra, Princep, Callisto Ethos, Xyway, Headline Amp, Warrior
FERTILITY - Applied N:	125 Spring, 10 Planter, 100 Sidedress
Applied N-P-K (units):	235-75-175
SEEDED - RATE - ROW:	May 11 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 19 31.7 /A

TEST COMMENTS:

Corn got off to a great start, soil moisture and temperatures were good. Stress for the summer was minimal. Rainfall came when needed and the stress was less than in years past. Lodging ratings were mainly for root lodging. Some hybrids did not have the root strength to hold up but did go through the combine. The overall rating for the plot is an 8 out of 10. (10=best)

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G10B61-AA ↗	AA	110	288.8	19.2	2	31.6	1518	1
Channel	213-19STXRIB GC ↗	STX	113	285.9	20.0	2	31.9	1496	2
Seed Consultants	SC1134AM ↗	AM	113	283.4	19.7	9	31.5	1486	3
Axis	65W75 GC ↗	TRE	115	279.3	20.6	64	32.0	1458	7
Dyna-Gro	D56TC44RIB ↗	TRE	116	278.8	19.4	41	32.8	1464	5
Hubner	H1880D ↗	VT2P	118	278.7	20.6	70	31.1	1455	9
Augusta	A1961 TRE ↗	TRE	111	278.3	17.7	6	32.3	1473	4
Mid-Atlantic	MA5124VIP3110 ↗	3110	112	277.7	19.6	20	32.0	1456	8
Hubner	H09G056 ↗	VT2PDG	109	275.4	17.5	14	31.5	1459	6
Hubner	H13G513 ↗	VT2PDG	113	272.8	18.0	7	31.8	1442	10
Augusta	A1365-PWE ↗	PCE	115	271.7	20.4	10	32.0	1420	12
Hubner	H4763RC2P ↗	VT2P	115	270.8	19.2	19	31.6	1423	11
Revere	1627 TCRIB ↗	TRE	116	269.8	19.9	64	32.0	1413	17
Revere	1307 TCRIB ↗	TRE	113	269.4	18.9	11	32.5	1418	15
Pioneer	P0859AM GC ↗	AM	108	268.8	18.2	3	31.4	1419	13
Mid-Atlantic	MA8108VT2PRIB ↗	VT2P	110	268.8	18.3	4	31.9	1419	14
Augusta	A7162 VT2P ↗	VT2P	112	268.6	18.8	6	33.2	1414	16
Chemgro	7444PC ↗	PCE	114	266.4	20.1	17	31.7	1394	21
Mid-Atlantic	MA8110TRECIB ↗	TRE	111	266.0	18.1	6	31.5	1405	18
Augusta	A2264-PWE ↗	PCE	114	265.9	19.3	14	32.3	1396	20
Seed Consultants	SC1154AM ↗	AM	115	265.7	19.1	9	31.8	1397	19
Augusta	A2164-PWE ↗	PCE	114	265.4	19.8	19	29.4	1390	22
Mid-Atlantic	MA6148PWE ↗	PCE	114	263.8	20.0	20	32.0	1381	23
Mid-Atlantic	MA8136DGV2PRIB ↗	VT2PDG	113	262.9	20.0	7	31.4	1377	25
Golden Harvest	G16Q82-AA ↗	AA	116	262.7	20.3	4	32.4	1373	27
Chemgro	7335RDD ↗	VT2PDG	113	262.2	19.1	5	31.4	1378	24
Chemgro	7525RDP ↗	VT2P	115	261.4	20.0	16	31.9	1369	29
Seed Consultants	SC1094Q ↗	QR	109	260.5	18.1	7	31.9	1376	26
Axis	64M20 GC ↗	VT2P	114	260.2	19.7	29	31.6	1364	30
DeKalb	DKC62-70RIB GC ↗	VT2P	112	259.4	18.0	3	31.4	1371	28

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Averages = **264.5** **19.2** **17** **31.7** **1390**

LSD (0.10) = 17.9 0.7 9

LSD (0.25) = 9.4 0.4 5

C.V. = 6.4

Historic yield: 200.12 bu/a, 20 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$5.36

Report Date: 10/21/2023

† 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. ↗ Links to full product yield results at www.firstseedtests.com

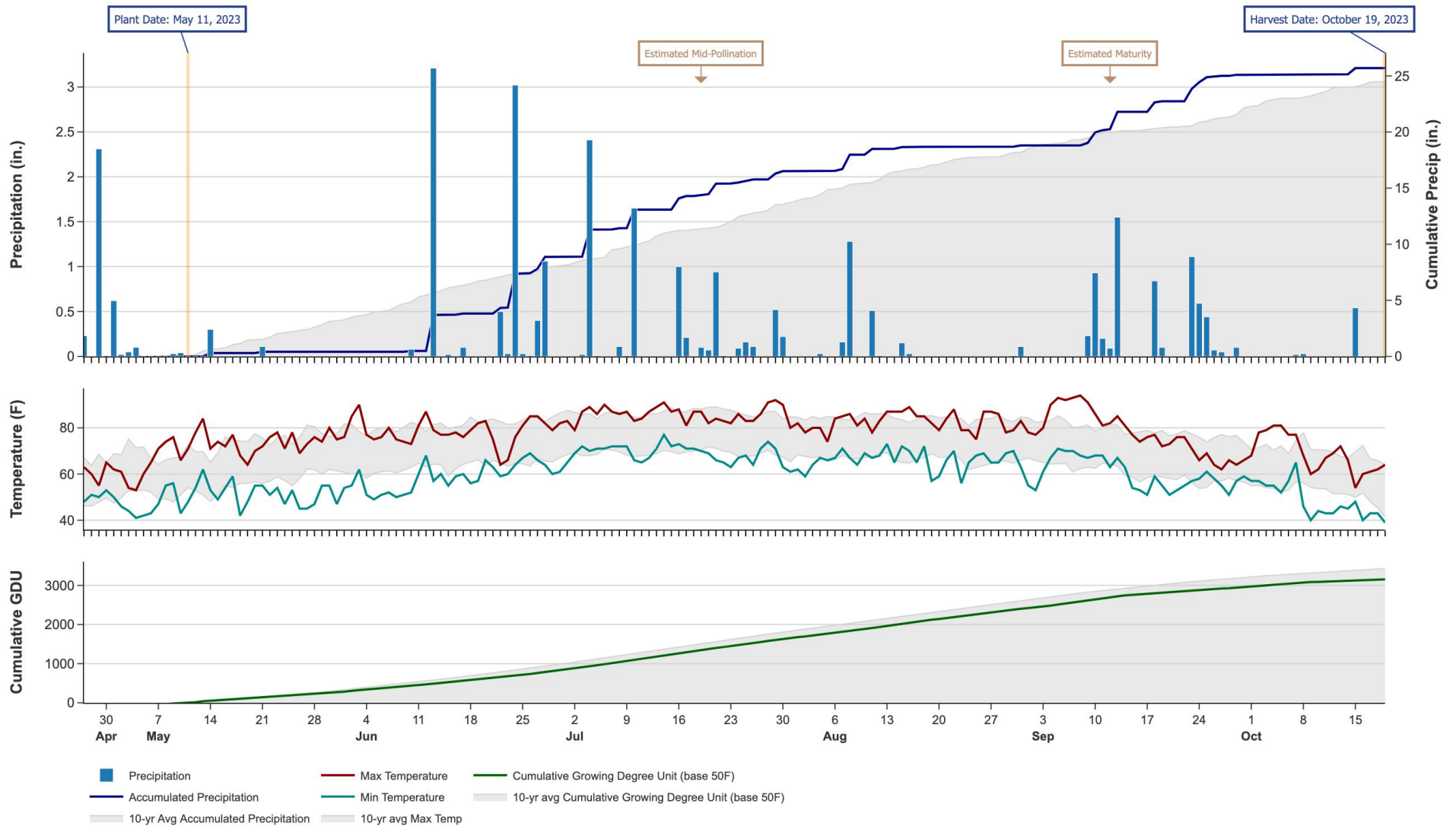
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Additional reports available at www.firstseedtests.com

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Weather Conditions Summary at MIDDLETOWN, DE

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.5 0.4 (+2.2)	1.3 4.7 (-3.4)	8.5 4.8 (+3.6)	7.6 5.7 (+2.0)	2.3 4.5 (-2.2)	6.3 4.0 (+2.3)	0.6 2.3 (-1.8)	29.1 26.4 (+2.7)
GDU Avg (Diff)	24 32 (-8)	354 425 (-71)	554 672 (-118)	830 846 (-16)	750 786 (-36)	546 590 (-44)	202 218 (-16)	3260 3572 (-312)



* 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 (42 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1365-PWE	PCE	N	115	CM,C2
Augusta	A1961 TRE	TRE	N	111	Treated
Augusta	A1964-3110	3110	N	114	CM,C2
Augusta	A2164-PWE	PCE	N	114	CM,C2
Augusta	A2262-3110	3110	N	112	CM,C2
Augusta	A2264-PWE	PCE	N	114	CM,C2
Augusta	A7162 VT2P	VT2P	N	112	CM,C2
Axis	64M20 GC	VT2P	Y	114	Treated
Axis	65W75 GC	TRE	Y	115	Treated
Channel	213-19STXRIB GC	STX	Y	113	AC,P2V
Channel	214-78DGV2PRIB GC	VT2PDG	Y	114	AC,P2V
Chemgro	7335RDD	VT2PDG	Y	113	AC250
Chemgro	7444PC	PCE	N	114	CM,C2,Vi,Va
Chemgro	7525RDP	VT2P	Y	115	AC250
DeKalb	DKC62-70RIB GC	VT2P	Y	112	AC,P5V,EDC-EL
Dyna-Gro	D53VC54RIB	VT2P	Y	113	AC,P5V
Dyna-Gro	D56TC44RIB	TRE	Y	116	AC,P5V
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G12S75-D	D	Y	112	AVC,C1,Va
Golden Harvest	G16Q82-AA	AA	Y	116	CM,C5,Va
Hefty	H6244 GC	STX	N	112	NA
Hubner	H09G056	VT2PDG	Y	109	AC,P5,B360
Hubner	H13G513	VT2PDG	Y	113	AC,P5,B360
Hubner	H1880D	VT2P	Y	118	AC,P5,B360
Hubner	H4763RC2P	VT2P	Y	115	AC,P2,B360
Mid-Atlantic	MA5124VIP3110	3110	N	112	CM,C2
Mid-Atlantic	MA6094PWE	PCE	N	109	CM,C2
Mid-Atlantic	MA6148PWE	PCE	N	114	CM,C2
Mid-Atlantic	MA6153PWE	PCE	N	115	CM,C2
Mid-Atlantic	MA8108VT2PRIB	VT2P	Y	110	AC,P2
Mid-Atlantic	MA8110TRECRIB	TRE	Y*	111	AC,P2
Mid-Atlantic	MA8136DGV2PRIB	VT2PDG	Y	113	AC,P2
Pioneer	P0859AM GC	AM	Y	108	Lum
Pioneer	P1136AM GC	AM	Y	111	Lum
Revere	0918 VT2PRIB	VT2P	Y	109	Treated
Revere	1307 TCRIB	TRE	Y	113	Treated
Revere	1627 TCRIB	TRE	Y	116	Treated
Seed Consultants	SC1094Q	QR	Y	109	Lum, L1
Seed Consultants	SC1112AM	AM	Y	111	Lum, L1
Seed Consultants	SC1122Q	QR	Y	112	Lum, L1
Seed Consultants	SC1134AM	AM	Y	113	Lum, L1
Seed Consultants	SC1154AM	AM	Y	115	Lum, L1

* 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

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. Power Plus® brand seed is distributed by Burrus. Power Plus® is a registered trademark of Corteva Agriscience.

Corn Technologies

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
TRE	Trecepta®
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

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

Corn Seed Treatments*

NA	Not Available
AC250	Acceleron® 250
AC,P2	Acceleron® 250
AC,P2,B360	Acceleron® 250 with BioRise™ B-360 ST
AC,P2V	Acceleron® Poncho 250/Votivo
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	LumiGEN, Lumisure 1250
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.