

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

2022 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 B2022DMNO13
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Glyphosate
SOIL DESCRIPTION:	Reybold silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 5.9 pH, 3.0% OM, 8.5 CEC
PEST MANAGEMENT:	Harness Xtra, Princep, Callisto, Ethos, Periscope
FERTILITY - Applied N:	129 Spring, 100 Sidedress
Applied N-P-K (units):	229-85-175
SEEDED - RATE - ROW:	May 5 34.5 /A 30" spacing
HARVESTED - STAND:	Oct 11 32.6 /A

TEST COMMENTS:

Planting conditions were excellent, with conventional tillage and good soil moisture. Corn looked good all season, only a dry spell came early to mid-July. The determining factor for this plot was hurricane Ian. Lodging ratings were extremely high for some hybrids but rankings were generally consistent over replications. Some hybrids were root lodged but stalk quality was good, just not enough root strength to handle the sandy soils and high winds. These hybrids were the hardest to get in the combine. The other problem was extreme stalk rot, anthracnose and gibberella were present. The combination of the lodging score was 75% due to stalk rot and 25% for root lodging. Good plot to evaluate standability and not so much yield.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK1188-D ↗	D	111	191.6	14.7	7	32.8	1401	1
Golden Harvest	G11V76-AA ↗	AA	111	183.3	14.9	13	33.4	1340	2
Golden Harvest	G10L16-DV ↗	DV	110	178.8	14.7	28	32.4	1307	3
Mid-Atlantic	MA8110 ↗	TRE	111	174.6	14.7	29	32.6	1276	4
Chemgro	7525RDP ↗	VT2P	115	173.9	15.7	37	32.9	1268	5
Revere	0707 DGVT2PRIB ↗	VT2PDG	107	172.3	14.2	23	32.4	1260	6
Mid-Atlantic	MA8136 ↗	VT2PDG	113	172.2	14.8	51	31.4	1259	7
Golden Harvest	G12S75-D ↗	D	112	168.8	14.6	6	31.9	1234	8
Revere	1307 TCRIB ↗	TRE	113	168.7	14.7	37	32.6	1233	9
NK Brand	NK1082-DV ↗	DV	110	165.8	14.6	23	31.8	1212	10
Hubner	H4828RC2P ↗	VT2P	116	165.1	15.1	31	32.8	1206	11
Revere	1525 V ↗	V	115	164.8	15.1	29	33.4	1204	12
MorCorn	MC 4311 ↗	TRE	113	164.4	14.7	19	32.8	1202	13
Chemgro	7505RDP ↗	VT2P	115	164.2	14.5	14	32.9	1200	14
Revere	1125 SSX ↗	STX	111	161.7	14.8	37	33.2	1182	15
Augusta	A7168 VT2P ↗	VT2P	116	159.7	15.3	15	32.9	1166	16
Golden Harvest	G15J91-V ↗	V	115	159.5	15.5	16	33.2	1164	17
Revere	1577 VT2PRIB ↗	VT2P	115	157.9	14.6	22	33.6	1154	18
Pioneer	PO924Q GC ↗	QR	109	157.6	14.6	45	32.1	1152	19
NK Brand	NK1677-3110 ↗	3110	116	155.6	15.2	14	32.7	1137	20
Seed Consultants	SC1112AM ↗	AM	111	153.9	14.9	45	32.7	1125	21
Augusta	A1964-3110 ↗	3110	114	153.5	14.9	31	32.9	1122	22
Augusta	A1961 TRE ↗	TRE	111	153.1	14.6	46	32.9	1119	23
Augusta	A3363 VT2PDG ↗	VT2PDG	113	151.7	15.0	55	32.3	1109	24
Seed Consultants	SC1093AM ↗	AM	109	145.9	14.7	34	33.0	1067	25
Augusta	A7162 VT2P ↗	VT2P	112	144.0	15.1	51	32.8	1052	26
NK Brand	NK1026-DVZ ↗	VZ	110	143.5	14.6	34	32.8	1049	27
Augusta	A1465 VT2P ↗	VT2P	112	139.1	14.6	55	32.0	1017	28
Great Heart	HT-7499TRE ↗	TRE	114	139.1	15.1	33	32.0	1016	29
Mid-Atlantic	MA8141 ↗	VT2PDG	114	135.6	15.3	59	33.2	990	30

Robin Kauffman

Averages = **146.7** **14.9** **41** **32.6** **1073**

LSD (0.10) = 19.7 0.2 17

LSD (0.25) = 10.4 0.1 9

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C.V. = 12.8

Historic yield: 203.35 bu/a, 19 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$7.31

Report Date: 10/16/2022

† 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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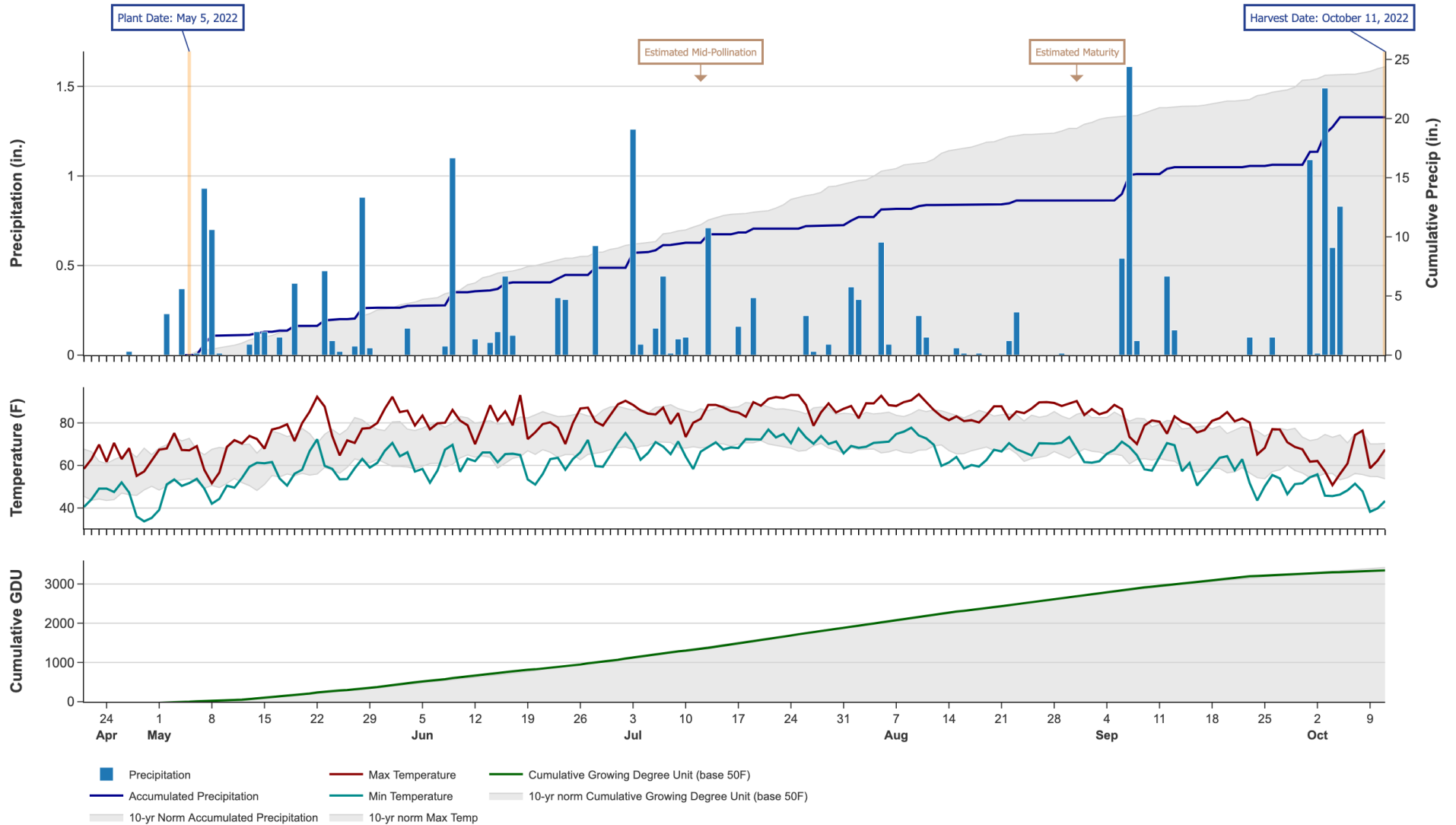
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2022 Corn - Delaware Maryland North [DMNO]

Weather Conditions Summary at MIDDLETOWN, DE

Weather Data Retrieved: 10/16/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.0 1.3 (-1.3)	4.6 4.5 (+0.1)	3.4 5.0 (-1.7)	3.6 5.5 (-1.9)	2.1 4.7 (-2.6)	3.0 4.1 (-1.1)	4.0 1.1 (+2.9)	20.7 26.3 (-5.6)
GDU Normal (Diff)	49 73 (-24)	449 432 (+16)	642 670 (-28)	843 849 (-6)	822 782 (+39)	570 589 (-19)	70 150 (-80)	3445 3549 (-104)



* 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 (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1359 VT2P	VT2P	N	108	CM,C2
Augusta	A1465 VT2P	VT2P	N	112	AC,P5V
Augusta	A1961 TRE	TRE	N	111	CM,C2
Augusta	A1964-3110	3110	N	114	CM,C2
Augusta	A3363 VT2PDG	VT2PDG	N	113	CM,C2
Augusta	A7162 VT2P	VT2P	N	112	CM,C2,Vi
Augusta	A7168 VT2P	VT2P	N	116	CM,C2,Vi
Axis	59R27RIB GC	VT2P	Y*	111	Treated
Chemgro	7335RDD	VT2PDG	Y	113	AC250
Chemgro	7505RDP	VT2P	Y	115	AC250
Chemgro	7525RDP	VT2P	Y	115	AC250
DeKalb	DKC61-41RIB GC	VT2P	Y	111	AC,P5
Golden Harvest	G10L16-DV	DV	Y	110	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G11V76-AA	AA	Y	111	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G12S75-D	D	Y	112	AVC,C2,CM,C5,Vi,Va
Golden Harvest	G15J91-V	V	Y	115	AVC,C2,CM,C5,Vi,Va
Great Heart	HT-7499TRE	TRE	Y	114	Treated
Great Heart	HT-7541TRE	TRE	Y	115	Treated
Hubner	H0881D	VT2P	Y	108	AC,P5,B360
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
Hubner	H4828RC2P	VT2P	Y	116	AC,P5,B360
Mid-Atlantic	MA8108	VT2P	Y	110	AC,P2
Mid-Atlantic	MA8110	TRE	N	111	CM,C5
Mid-Atlantic	MA8136	VT2PDG	Y	113	AC,P2
Mid-Atlantic	MA8141	VT2PDG	N	114	CM,C5
Mid-Atlantic	MA8145	VT2P	Y	114	AC,P2
MorCorn	MC 4161	VT2PDG	N	111	AC,P1
MorCorn	MC 4311	TRE	N	113	AC,P1
MorCorn	MC 4527	VT2P	N	115	AC,P1
NK Brand	NK1026-DVZ	VZ	Y	110	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1082-DV	DV	Y	110	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1188-D	D	Y	111	AVC,C2,CM,C5,Vi,Va
NK Brand	NK1677-3110	3110	N	116	AVC,C2,CM,C5,Vi,Va
Pioneer	P1136AM GC	AM	Y	111	Lum
Pioneer	PO924Q GC	QR	Y	109	Lum
Revere	0707 DGVT2PRIB	VT2PDG	Y	107	RA
Revere	0918 SSXRIB	STX	Y	109	RA
Revere	1125 SSX	STX	Y	111	RA
Revere	1307 TCRIB	TRE	Y	113	RA

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Revere	1398 VT2PRIB	VT2P	Y	113	RA
Revere	1525 V	V	Y	115	RA
Revere	1577 VT2PRIB	VT2P	Y	115	RA
Seed Consultants	SC1093AM	AM	Y	109	Lum, L1
Seed Consultants	SC1112AM	AM	Y	111	Lum, L1
Seed Consultants	SC1122Q	QR	Y	112	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

^	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

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
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
QR	Qrome™
STX	SmartStax®
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	VT Double PRO® DroughtGard®
VZ	Viptera™ Z3 (Vip,CB,VTP,LL,GT), formerly Agrisure Viptera® 3330

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

Corn Seed Treatments*

NA	Not Available
AC250	Acceleron® 250
AC,P1	Acceleron® 1250
AC,P2	Acceleron® 250
AC,P2,B360	Acceleron® 250 with BioRise™ B-360 ST
AC,P5	Acceleron® 500
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5V	Acceleron® Poncho 500/Votivo
AVC,C2,CM,C5,Vi,Va	Avicta® Complete 250, CruiserMaxx 500, Vibrance®, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C5	Cruisermaxx® 500
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	(2022) LumiGEN, Lumisure 1250
RA	Radius 500 (Local Seed Co)
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.