

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

2022 Corn Grain Top 30 Harvest Report

Pennsylvania Southeast [PASE] MECHANICSBURG, PA
Daryl Alger, Cumberland County, PA 17331

All-Season Test	105 - 115 Day CRM B2022PASE09
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Glyphosate
SOIL DESCRIPTION:	Duffield silt loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.1 pH, 3.0% OM, 8.4 CEC
PEST MANAGEMENT:	Callisto, Atrazine, Metalachor, Ethnos, Glyphosate
FERTILITY - Applied N:	40 Spring, 200 Sidedress
Applied N-P-K (units):	240-135-175
SEEDED - RATE - ROW:	May 14 34.5 /A 30" spacing
HARVESTED - STAND:	Oct 29 33.7 /A

TEST COMMENTS:

This site was planted in good no-till soil conditions with good moisture and temperatures. Corn emerged uniformly and started off fast. Rainfall was below normal for much of the summer with dry spells in July and August. Corn was standing well at harvest with a few stalks broken below the ear. Diseases present were anthracnose, gray leaf spot, and tar spot coming in late in the summer. The overall rating of 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
DeKalb	DKC61-41RIB GC ↗	VT2P	111	252.6	17.0	2	34.3	1940	1
Augusta	A4463 VT2P ↗	VT2P	113	248.5	17.2	0	34.8	1907	2
Hubner	H6663RCSS ↗	STX	113	247.4	18.7	0	34.8	1889	3
Chemgro	7335RDD ↗	VT2PDG	113	243.5	17.0	1	33.4	1870	4
Pioneer	P1136AM GC ↗	AM	111	241.3	17.2	5	35.0	1852	5
Mid-Atlantic	MA8136 ↗	VT2PDG	113	235.5	16.7	3	33.3	1810	6
Hefty	H6354 ↗	STX	113	232.0	16.8	2	34.0	1783	7
Hefty	H6524 RIB ↗	STX	115	228.9	18.1	3	32.9	1752	8
Mid-Atlantic	MA8145 ↗	VT2P	114	226.4	16.6	6	34.2	1741	9
Revere	1398 VT2PRIB ↗	VT2P	113	221.8	16.6	3	34.6	1705	10
Seedway	SW 1021VT ↗	VT2P	110	219.2	16.2	4	34.3	1688	11
Hubner	H1330S ↗	STX	113	217.7	17.2	2	34.3	1671	12
Augusta	A1961 TRE ↗	TRE	111	215.5	16.5	3	35.0	1658	13
Hubner	H6456RCSS ↗	STX	109	214.5	16.6	2	34.6	1650	14
Augusta	A1560 VT2P ↗	VT2P	110	212.1	16.7	0	33.1	1631	15
Chemgro	7035RDP ↗	VT2P	110	211.3	16.7	4	31.2	1624	16
Revere	1525 V ↗	V	115	211.1	21.3	0	34.7	1599	21
Hefty	H6064 ↗	STX	110	211.1	16.6	3	33.7	1623	17
Augusta	A1964-3110 ↗	3110	114	210.7	17.6	6	33.2	1615	19
Seedway	SW1579VT GC ↗	VT2P	115	210.4	16.9	14	33.7	1616	18
Chemgro	6815RDP ↗	VT2P	108	207.9	16.2	4	33.7	1601	20
Revere	1577 VT2PRIB ↗	VT2P	115	207.3	17.1	3	33.2	1592	23
Seed Consultants	SC1093AM ↗	AM	109	207.1	16.4	6	34.5	1594	22
Revere	1307 TCRIB ↗	TRE	113	206.9	16.3	4	32.9	1592	24
Revere	1125 SSX ↗	STX	111	204.8	16.2	1	33.4	1577	25
Chemgro	6929RSX ↗	STX	109	202.1	15.7	3	33.3	1559	26
Hubner	H6390RCSS ↗	STX	108	202.1	16.0	5	33.2	1557	27
Hefty	H6244 ↗	STX	112	202.0	16.5	8	32.5	1554	28
Seedway	SW 1345TR ↗	TRE	113	201.8	16.9	3	33.2	1550	29
Mid-Atlantic	MA8141 ↗	VT2PDG	114	200.9	17.0	3	32.0	1543	30

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Averages = **204.9** **16.6** **5** **33.7** **1546**

LSD (0.10) = 22.5 0.5 6

LSD (0.25) = 11.8 0.2 3

C.V. = 10.4

Historic yield: 279.32 bu/a, 3 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$7.73

Report Date: 11/02/2022

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

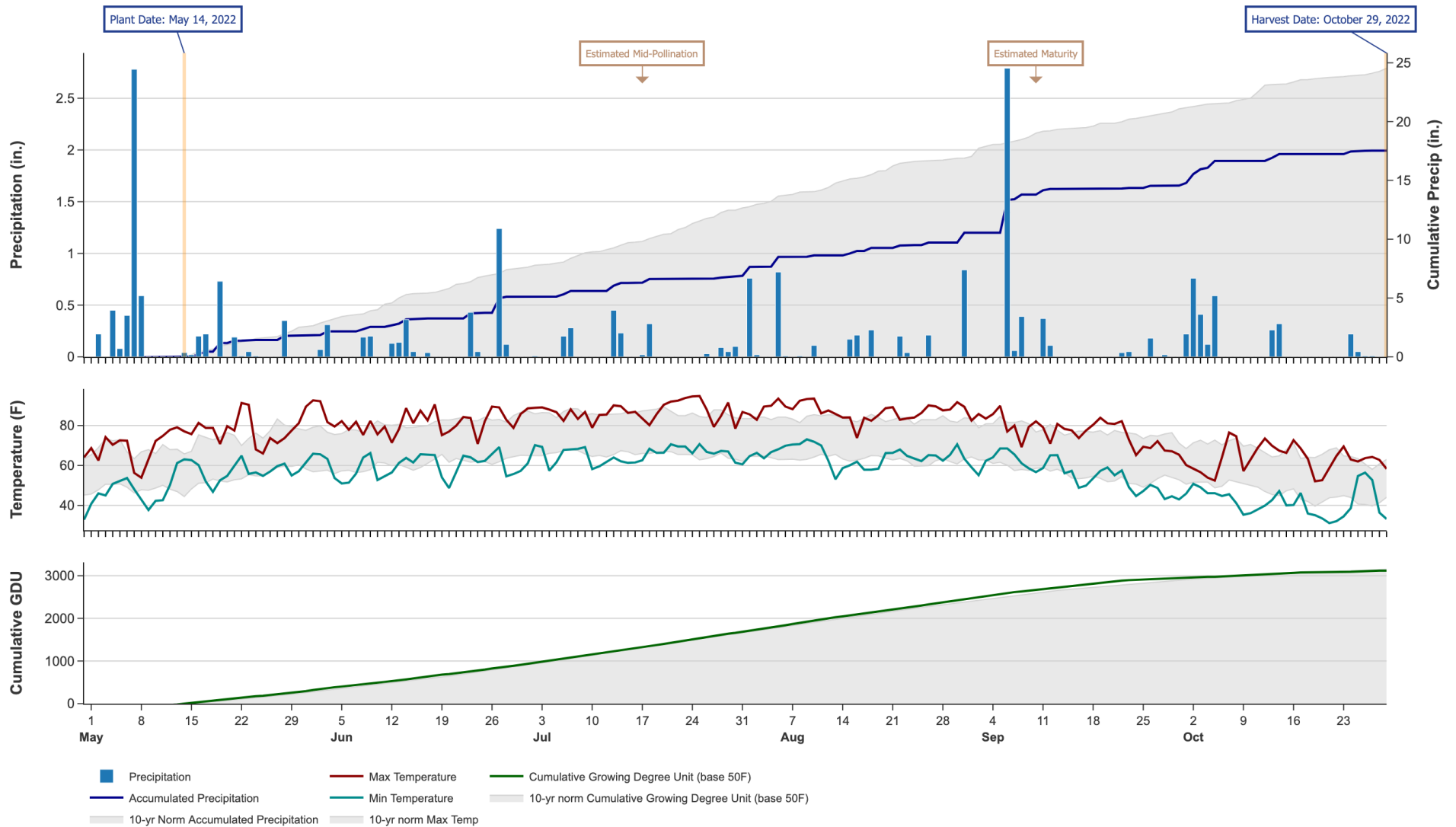
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2022 Corn - Pennsylvania Southeast [PASE]

Weather Conditions Summary at MECHANICSBURG, PA

Weather Data Retrieved: 11/02/2022

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.0 0.2 (-0.2)	6.3 4.7 (+1.6)	3.3 4.9 (-1.6)	1.8 5.1 (-3.4)	3.7 4.2 (-0.6)	4.0 4.2 (-0.2)	3.0 3.5 (-0.5)	22.1 26.9 (-4.8)
GDU Normal (Diff)	0 6 (-6)	445 388 (+56)	616 616 (0)	774 790 (-16)	770 723 (+46)	505 508 (-3)	159 248 (-89)	3269 3283 (-14)



* 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 (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1259-5222	DV	Y*	109	CM,C1
Augusta	A1359 VT2P	VT2P	N	108	CM,C2
Augusta	A1560 VT2P	VT2P	N	110	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	A4463 VT2P	VT2P	N	113	CM,C2,Vi
Axis	59R27RIB GC	VT2P	Y*	111	Treated
Chemgro	6725RDP	VT2P	Y	107	AC250
Chemgro	6815RDP	VT2P	Y	108	AC250
Chemgro	6929RSX	STX	Y	109	AC,P5,B360
Chemgro	7035RDP	VT2P	Y	110	CM,C5,Vi
Chemgro	7335RDD	VT2PDG	Y	113	AC250
DeKalb	DKC59-82RIB GC	VT2P	Y	109	AC,P5
DeKalb	DKC61-41RIB GC	VT2P	Y	111	AC,P5
Hefty	H5764	STXP	N	107	HC
Hefty	H5944	STX	N	109	HC
Hefty	H6064	STX	N	110	HC
Hefty	H6134	STX	N	111	HC
Hefty	H6244	STX	N	112	HC
Hefty	H6354	STX	N	113	HC
Hefty	H6524 RIB	STX	Y	115	HC
Hubner	H1330S	STX	Y	113	AC,P5V,B360
Hubner	H6287RCSS	STX	Y	104	AC,P5V,B360
Hubner	H6390RCSS	STX	Y	108	AC,P5V,B360
Hubner	H6410RCSS	STX	Y	109	AC,P5V,B360
Hubner	H6456RCSS	STX	Y	109	AC,P5V,B360
Hubner	H6663RCSS	STX	Y	113	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
NK Brand	NK0696-D	D	Y	106	AVC,C2,Vi,Va
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
Opcorn	REIDS YD-SOP	CONV	N	108	Treated
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

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Revere	1125 SSX	STX	Y	111	RA
Revere	1307 TCRIB	TRE	Y	113	RA
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
Seedway	SW 1021VT	VT2P	Y	110	AC,P5
Seedway	SW 1188SS	STX	Y	111	AC,P5
Seedway	SW 1345TR	TRE	Y	113	AC,P5
Seedway	SW1579VT GC	VT2P	Y	115	AC,P5

* 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)
AM	Optimum® AcreMax®
CONV	Conventional
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®
STXP	SmartStax® Pro
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,P2	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B360	Acceleron® Poncho 500/Votivo with B-360 SAT
AVC,C2,CM,C5,Vi,Va	Avicta® Complete 250, CruiserMaxx 500, Vibrance®, Vayantis®
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C1	CruiserMaxx® 1250
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C5	Cruisermaxx® 500
CM,C5,Vi	CruiserMaxx® 500 with Vibrance
HC	Hefty Complete
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.