

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

2022 Corn Grain Top 30 Harvest Report

Pennsylvania Southeast [PASE] SPRING GROVE, PA

Jim Bange, York County, PA 17329

All-Season Test	105 - 115 Day CRM B2022PASE12
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex, Capreno, Atrazine, Ethos
SOIL DESCRIPTION:	Clarksburg silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, high K, 6.1 pH, 3.2% OM, 9.4 CEC
PEST MANAGEMENT:	Bicep, Halex Gt, Ethos
FERTILITY - Applied N:	137 Spring, 81 Sidedress
Applied N-P-K (units):	218-186-126
SEEDING - RATE - ROW:	May 31 34.5 /A 30" spacing
HARVESTED - STAND:	Oct 8 30.9 /A

TEST COMMENTS:

Planted in wet conditions late in the spring. Corn started well and saw timely rainfall when needed. The plot was harvested early to plant barley so moistures did run high. The combine did an excellent job getting all grain off the cob. Disease pressure consisted of gray leaf spot, tar spot, and anthracnose. Standability was good. Later planting probably hurt yields by 10-15 bu/acre. 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
Chemgro	6929RSX ↗	STX	109	239.0	35.1	0	31.3	1632	1
Pioneer	P1136AM GC ↗	AM	111	234.6	31.3	0	30.2	1624	2
DeKalb	DKC61-41RIB GC ↗	VT2P	111	229.9	33.5	0	32.1	1579	4
Revere	1577 VT2PRIB ↗	VT2P	115	229.8	32.6	0	31.2	1583	3
Mid-Atlantic	MA8108 ↗	VT2P	110	229.5	35.5	0	31.4	1565	6
Revere	1307 TCRIB ↗	TRE	113	228.4	33.6	0	29.8	1568	5
Mid-Atlantic	MA8110 ↗	TRE	111	227.9	35.6	0	31.0	1553	7
Chemgro	7035RDP ↗	VT2P	110	227.4	35.5	0	32.9	1550	8
Seedway	SW 1021VT ↗	VT2P	110	226.2	37.3	0	31.3	1532	11
Chemgro	6725RDP ↗	VT2P	107	224.4	32.6	1	26.6	1546	9
Augusta	A1961 TRE ↗	TRE	111	223.6	36.0	0	31.3	1522	12
Seed Consultants	SC1093AM ↗	AM	109	222.4	39.0	0	30.2	1497	19
Seedway	SW 1345TR ↗	TRE	113	220.8	34.1	0	30.7	1513	14
Revere	0707 DGV2PRIB ↗	VT2PDG	107	220.8	29.3	0	31.0	1540	10
Mid-Atlantic	MA8136 ↗	VT2PDG	113	220.7	34.7	0	29.4	1509	15
Hefty	H5944 ↗	STX	109	220.6	35.0	0	31.4	1507	17
Hefty	H6064 ↗	STX	110	220.5	37.8	0	31.7	1490	20
Chemgro	6815RDP ↗	VT2P	108	219.9	32.6	0	31.7	1515	13
Augusta	A1359 VT2P ↗	VT2P	108	219.7	33.7	0	31.1	1508	16
NK Brand	NK1082-DV ↗	DV	110	218.1	37.2	2	32.3	1478	23
Chemgro	7335RDD ↗	VT2PDG	113	216.1	33.1	0	32.5	1486	22
Hefty	H6354 ↗	STX	113	215.8	36.1	0	32.0	1468	27
Hefty	H5764 ↗	STXP	107	215.4	31.7	0	30.7	1489	21
Revere	1398 VT2PRIB ↗	VT2P	113	214.9	34.4	0	31.6	1471	25
Augusta	A1560 VT2P ↗	VT2P	110	214.1	33.5	0	30.7	1470	26
Hubner	H6287RCSS ↗	STX	104	214.0	27.8	0	28.3	1500	18
Hubner	H6390RCSS ↗	STX	108	214.0	36.4	0	30.2	1454	30
Hefty	H6134 ↗	STX	111	213.9	35.5	1	31.5	1458	28
Augusta	A4463 VT2P ↗	VT2P	113	213.4	31.8	1	31.0	1475	24
Hubner	H6410RCSS ↗	STX	109	212.1	33.5	0	31.3	1456	29

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Averages = **210.1** **35.5** **1** **30.9** **1432**

LSD (0.10) = 16.9 2.5 2

LSD (0.25) = 8.8 1.3 1

C.V. = 7.6 Historic yield: 216.08 bu/a, 14 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$7.33

Report Date: 10/10/2022

† 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

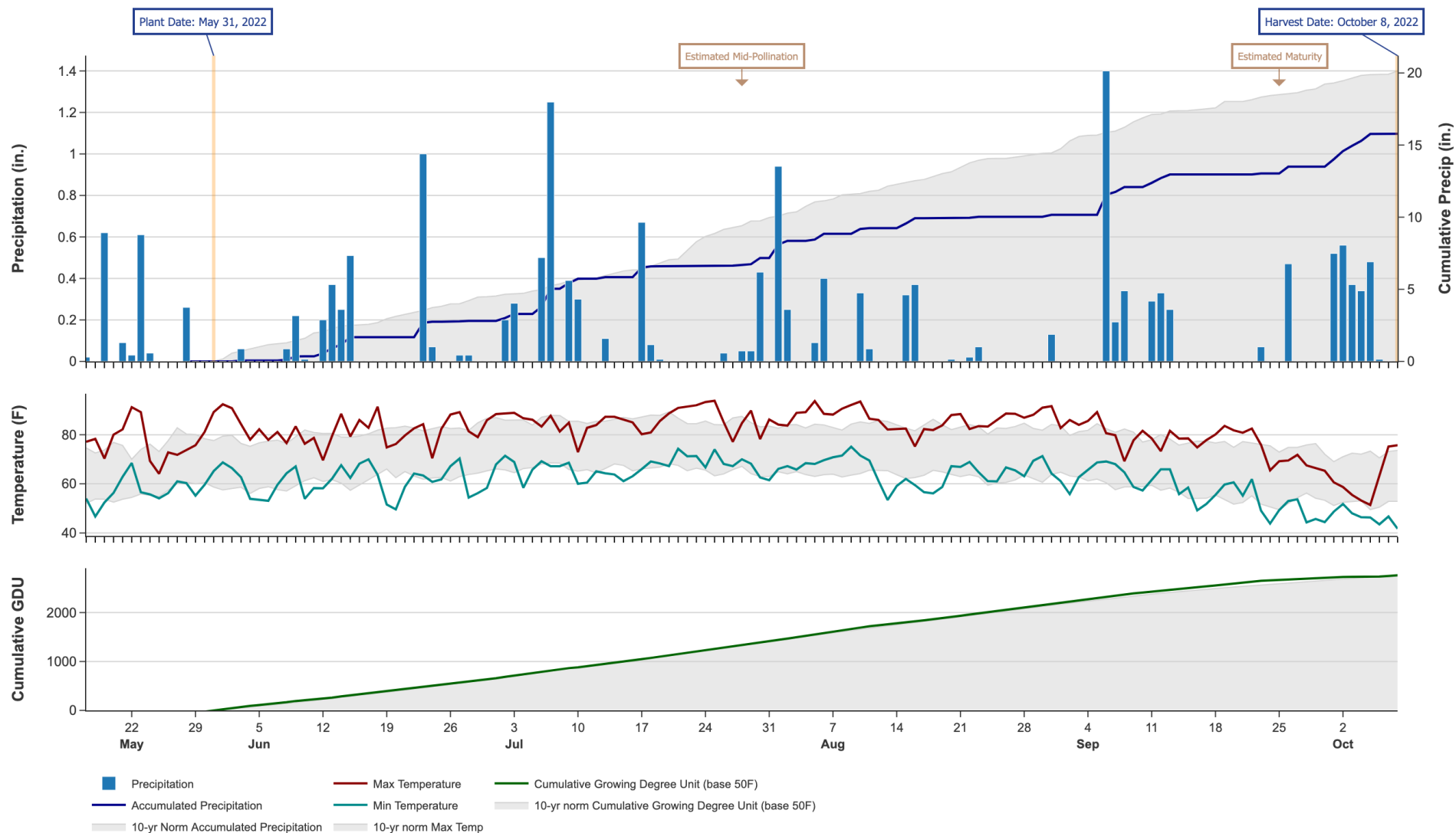
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Weather Conditions Summary at SPRING GROVE, PA

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.7 1.8 (-0.2)	2.8 4.5 (-1.7)	4.4 5.5 (-1.1)	3.0 4.5 (-1.5)	3.3 4.8 (-1.4)	2.3 0.9 (+1.4)	17.4 22.0 (-4.5)
GDU Normal (Diff)	261 243 (+17)	630 625 (+4)	788 795 (-7)	771 725 (+45)	528 516 (+11)	45 95 (-50)	3023 3002 (+20)



* 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.