

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

2021 Corn Grain Top 30 Harvest Report

Pennsylvania Southeast [PASE] MOUNT JOY, PA
John Conley, Lancaster County, PA 17552

All-Season Test	105 - 115 Day CRM B2021PASE07
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex, Prowl 3.3 Atrazine
SOIL DESCRIPTION:	silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 6.4 pH, 3.0% OM, 9.0 CEC
PEST MANAGEMENT:	Paraquat, Halexgt, Ethos Xp, Miravisneo
FERTILITY - Applied N:	125 Spring, 65 Planter, 65 Sidedress
Applied N-P-K (units):	255-138-102
SEEDED - RATE - ROW:	May 1 34.5 /A 30" spacing
HARVESTED - STAND:	Oct 13 33.1 /A

TEST COMMENTS:

The location was planted in early May in minimum tillage. Excellent planting conditions with good soil moisture and temperature. The corn emerged very uniform and got off to a good start. Growing conditions for the summer were almost perfect. Rainfall came when needed throughout the entire growing season, and corn was never stressed until harvest. Weed control was excellent and disease was not an issue, all corn was standing nice at harvest. The only down side to this plot is that moisture levels stayed high until harvest. Probably the highest yielding plot I have harvested ever. The rating of the plot is a 9 out of 10. (10=best)

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P1077AM GC ↗	AM,AQ	110	303.9	22.6	0	32.7	1684	1
Dyna-Gro	D54VC34 ↗	VT2P	114	294.9	23.9	0	34.3	1624	3
Augusta	A1961 TRE ↗	TRE	111	291.8	20.3	0	34.3	1633	2
Seed Consultants	SC1122Q ↗	QR	112	289.3	23.3	0	34.3	1598	5
Seed Consultants	SC1092AM ↗	AM	109	288.8	19.8	0	31.9	1620	4
Local Seed	LC0918 SSXRIB ↗	STX	109	284.5	21.4	0	31.1	1584	8
Seed Consultants	SC1087AM ↗	AM	108	284.1	20.2	0	33.3	1591	7
Local Seed	LC1497 DGVT2PRIB ↗	VT2PDG	114	283.1	22.6	0	33.9	1568	9
Local Seed	LC0707 DGVT2PRIB ↗	VT2PDG	107	282.9	19.0	0	34.1	1592	6
Augusta	A4463 VT2P ↗	VT2P	113	281.1	21.9	0	33.4	1562	11
Seed Consultants	SC1112AM ↗	AM	111	279.8	23.0	0	32.7	1547	14
Hubner	H6663RCSS ↗	STX	113	279.5	26.3	0	33.0	1522	21
Hubner	H6410RCSS ↗	STX	109	279.5	20.0	0	33.6	1567	10
Seedway	SW6790 ↗	VT2P	112	278.4	21.4	0	32.7	1551	12
Hubner	H6390RCSS ↗	STX	108	277.4	21.4	0	34.1	1545	15
Hubner	H6456RCSS ↗	STX	109	276.9	21.6	0	33.3	1541	16
Local Seed	LC1398 VT2PRIB ↗	VT2P	113	275.7	23.1	0	32.2	1524	20
Seedway	SW1162VT ↗	VT2P	111	275.3	22.2	0	34.6	1528	18
Local Seed	LC1307 TCRIIB ↗	TRE	113	275.3	19.1	1	33.7	1549	13
Mid-Atlantic	MA8064 ↗	VT2P	106	272.8	19.2	0	34.0	1535	17
Chemgro	6929RSX ↗	STX	109	272.5	19.9	0	34.2	1528	19
Augusta	A3363 VT2PDG ↗	VT2PDG	113	271.0	23.7	0	33.4	1494	23
NK Brand	NK1082-5222A EZR ↗	5222A	110	268.3	22.8	0	33.7	1485	28
Mid-Atlantic	MA8110 ↗	TRE	111	268.0	21.9	0	32.9	1489	24
Hefty	H5655 ↗	TRE	106	267.9	19.9	0	35.0	1502	22
Hubner	H6763RCSS ↗	STX	115	267.2	21.8	0	34.4	1486	26
Chemgro	7305RDP ↗	VT2P	113	266.2	21.7	0	33.1	1481	29
Hefty	H5952 ↗	VT2P	109	265.6	20.4	0	31.7	1486	27
NK Brand	NK0748-5122 EZR ↗	5122	107	264.0	18.5	1	33.6	1489	25
Mid-Atlantic	MA8106 ↗	VT2P	110	263.5	20.3	0	33.1	1475	30

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Averages = **266.9** **21.8** **0** **33.1** **1484**

LSD (0.10) = 18.5 0.9 0

LSD (0.25) = 9.7 0.5 0

C.V. = 6.6

Historic yield: 152.64 bu/a, 3 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.73

Report Date: 10/14/2021

† 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

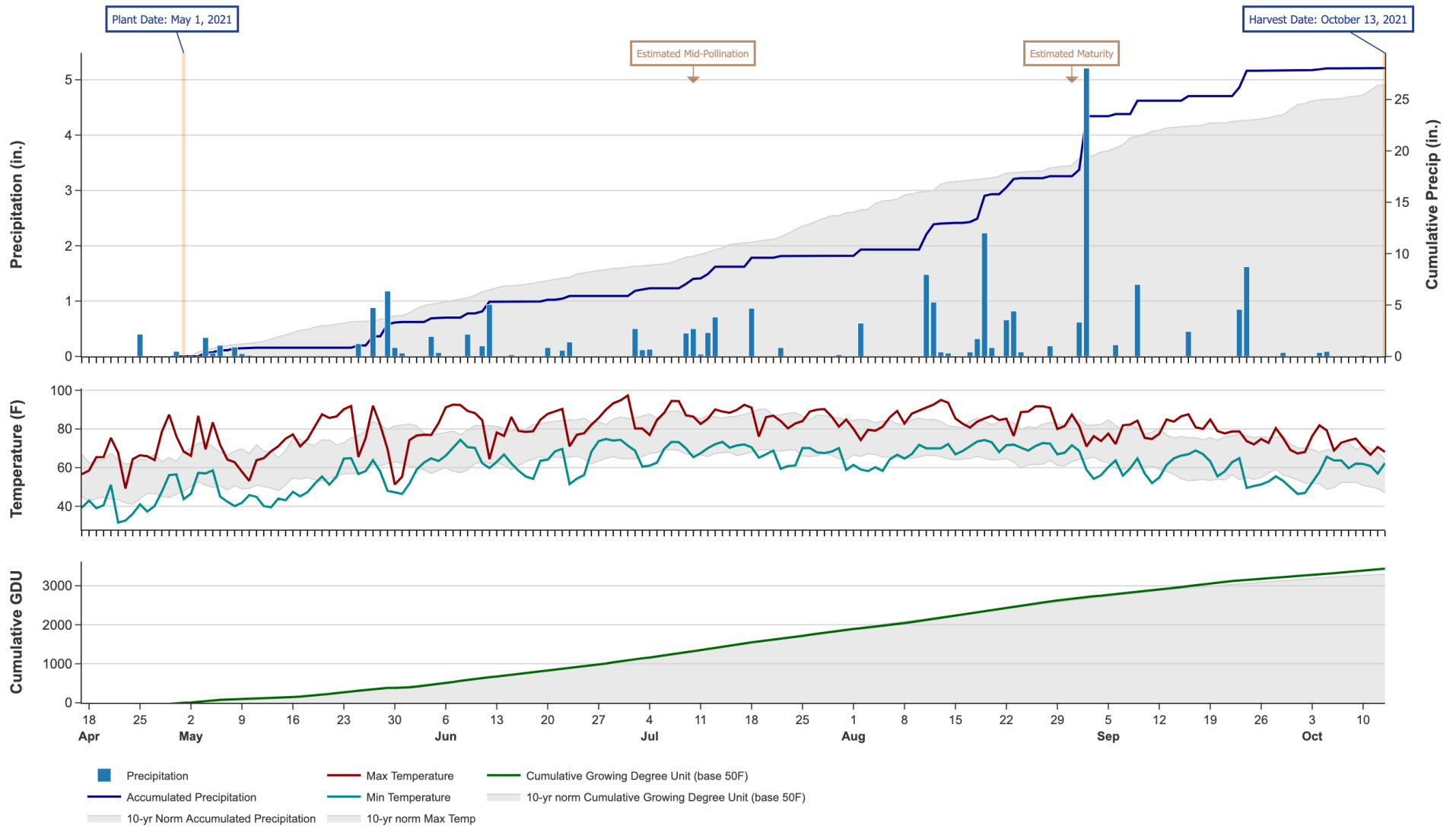
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Weather Conditions Summary at MOUNT JOY, PA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.5 1.8 (-1.3)	3.4 4.4 (-1.0)	2.5 4.6 (-2.1)	3.9 5.4 (-1.5)	7.8 4.6 (+3.1)	10.3 5.4 (+4.9)	0.2 2.4 (-2.2)	28.5 28.6 (-0.1)
GDU Normal (Diff)	115 99 (+15)	393 420 (-27)	683 656 (+26)	805 821 (-16)	804 737 (+66)	558 533 (+24)	203 135 (+67)	3561 3405 (+155)



* 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	A1060-3330	3330	N	110	CM,C2
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	A7162 VT2P	VT2P	N	112	CM,C2
Chemgro	6815RDP	VT2P	Y	108	AC,P2
Chemgro	6929RSX	STX	Y	109	AC,P2
Chemgro	7305RDP	VT2P	Y	113	AC,P2
Chemgro	7505RDP	VT2P	Y	115	AC,P2
DeKalb	DKC62-53RIB GC	VT2P	Y	112	Treated
Dyna-Gro	D54VC34	VT2P	N	114	AC,P5V
Dyna-Gro	D55VC80	VT2P	N	115	AC,P5V
Hefty	H5655	TRE	N	106	HC
Hefty	H5832 RIB	VT2P	Y	108	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6252	VT2P	N	112	HC
Hefty	H6423 RIB	VT2PDG	Y	114	HC
Hefty	H6524 RIB	STX	Y	115	HC
Hefty	H6552	VT2P	N	115	HC
Hubner	H6287RCSS	STX	Y	104	AC,P5
Hubner	H6390RCSS	STX	Y	108	AC,P5
Hubner	H6410RCSS	STX	Y	109	AC,P5
Hubner	H6456RCSS	STX	Y	109	AC,P5
Hubner	H6663RCSS	STX	Y	113	AC,P5
Hubner	H6763RCSS	STX	Y	115	AC,P5
Local Seed	LC0707 DGVT2PRIB	VT2PDG	Y	107	RA
Local Seed	LC0918 SXXRIB	STX	Y	109	AC,P5V,EDC-EL
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 DGVT2PRIB	VT2PDG	Y	114	RA
Local Seed	LC1506 VT2PRIB	VT2P	Y	115	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
Mid-Atlantic	MA8158	STX	Y	115	AC,P2
NK Brand	NK0748-5122 EZR	5122	Y	107	AVC,C2,Vi

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
NK Brand	NK0877-3220 EZR	3220	Y	108	AVC,C5,Vi
NK Brand	NK1082-5222A EZR	5222A	Y	110	AVC,C5,Vi
NK Brand	NK1321-3120 EZR	3120	Y	113	AVC,C5,Vi
NK Brand	NK1523-3220 EZR	3220	Y	115	AVC,C5,Vi
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
Seedway	SW1162VT	VT2P	Y	111	AC,P5
Seedway	SW1579VT	VT2P	Y	115	AC,P5
Seedway	SW6790	VT2P	Y	112	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

3111	Agrisure® Viptera® 3111
3120	Agrisure® 3120 (CB,HX,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5222A	Agrisure® Duracade™ Artesian® 5222
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	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CM,C2	CruiserMaxx® 250
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
RA	Radius 500 (Local Seed Co)
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.