

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

2021 Corn Grain Top 30 Harvest Report

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

All-Season Test	105 - 115 Day CRM B2021PASE09
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Glyphosate
SOIL DESCRIPTION:	silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.7 pH, 2.9% OM, 7.1 CEC
PEST MANAGEMENT:	Roundup, X-Plore, Atrazine, Metalaclor, Xyway Lfr, Ethos Xp
FERTILITY - Applied N:	95 Fall, 75 Spring, 90 Sidedress
Applied N-P-K (units):	260-138-207
SEEDED - RATE - ROW:	May 6 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 1 33.5 /A

TEST COMMENTS:

Planting conditions were good at this location. Soil temperature was cool, 50.7F with furrow moisture of 36.2%. Corn got off to a good start, and emergence was uniform. Mid-June thunderstorms caused root lodging in most of the hybrids. Some were more severe than others, however, this did not affect harvestability. The corn was able to reroot and lodging scores were from the leaning plants; there were very few broken stalks. Rainfall for the summer was excellent, and with the high temperatures, the plot produced a great corn yield. The overall 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
Dyna-Gro	D54VC34 ↗	VT2P	114	308.2	20.0	3	31.5	1857	1
Local Seed	LC1497 DGVT2PRIB ↗	VT2PDG	114	304.1	19.2	2	35.5	1838	2
Seed Consultants	SC1112AM ↗	AM	111	299.1	18.7	3	33.3	1812	3
Hefty	H6423 RIB ↗	VT2PDG	114	293.0	20.5	2	33.1	1762	7
Local Seed	LC0918 SSXRIB ↗	STX	109	292.5	17.8	2	32.3	1778	5
Hefty	H5655 ↗	TRE	106	292.0	17.0	2	33.7	1781	4
Augusta	A4463 VT2P ↗	VT2P	113	291.3	18.9	6	34.5	1763	6
Augusta	A3363 VT2PDG ↗	VT2PDG	113	290.2	19.9	1	31.6	1749	8
Seedway	SW1579VT ↗	VT2P	115	289.2	19.6	2	32.9	1746	10
NK Brand	NK1523-3220 EZR ↗	3220	115	288.9	20.1	3	34.8	1740	12
Mid-Atlantic	MA8141 ↗	VT2PDG	114	288.4	19.7	1	34.6	1740	13
Local Seed	LC1398 VT2PRIB ↗	VT2P	113	288.1	19.0	2	33.0	1743	11
Chemgro	6815RDP ↗	VT2P	108	287.7	18.2	0	33.9	1747	9
Seedway	SW6790 ↗	VT2P	112	286.7	19.1	3	34.6	1734	14
Seedway	SW1162VT ↗	VT2P	111	286.3	19.0	3	32.8	1732	15
Hefty	H5832 RIB ↗	VT2P	108	284.6	18.0	1	34.9	1729	16
Local Seed	LC0707 DGVT2PRIB ↗	VT2PDG	107	283.4	18.7	3	33.9	1717	18
Mid-Atlantic	MA8106 ↗	VT2P	110	283.3	17.9	1	33.9	1722	17
Seed Consultants	SC1092AM ↗	AM	109	282.7	18.4	2	32.0	1715	19
Hefty	H6252 ↗	VT2P	112	282.3	18.5	0	33.9	1711	20
Mid-Atlantic	MA8158 ↗	STX	115	282.2	19.7	4	33.6	1702	23
Chemgro	6929RSX ↗	STX	109	281.2	18.0	5	34.8	1709	21
Augusta	A1961 TRE ↗	TRE	111	280.9	17.8	7	35.0	1708	22
Hubner	H6456RCSS ↗	STX	109	280.7	18.7	2	34.7	1701	24
DeKalb	DKC62-53RIB GC ↗	VT2P	112	280.7	19.0	2	31.9	1698	25
Augusta	A2362 VT2P ↗	VT2P	112	279.7	19.2	3	33.4	1691	26
Local Seed	LC1307 TCRIB ↗	TRE	113	276.9	18.2	6	35.3	1681	27
NK Brand	NK1082-5222A EZR ↗	5222A	110	276.7	19.2	3	33.7	1672	29
Mid-Atlantic	MA8128 ↗	VT2P	112	276.5	19.1	1	32.3	1672	30
Seed Consultants	SC1087AM ↗	AM	108	275.1	17.4	13	33.9	1675	28

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Averages = **277.7** **19.0** **3** **33.5** **1680**

LSD (0.10) = 14.6 0.7 5

LSD (0.25) = 7.7 0.4 3

C.V. = 5.0 Historic yield: 281.49 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$6.15

Report Date: 11/02/2021

† 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

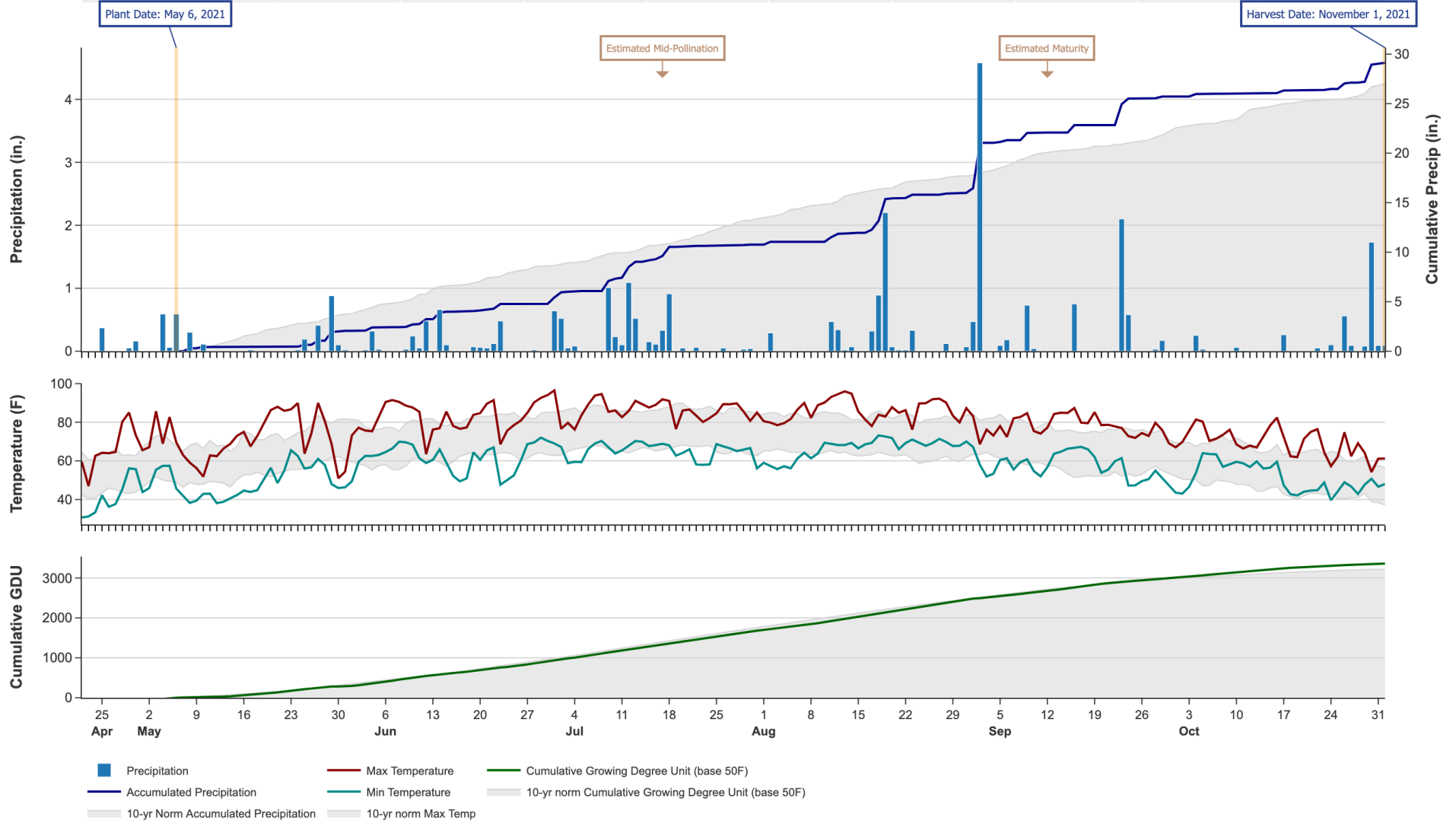
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2021 Corn - Pennsylvania Southeast [PASE]

Weather Conditions Summary at MECHANICSBURG, PA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	0.6 1.2 (-0.6)	3.3 4.9 (-1.6)	2.7 4.9 (-2.2)	6.0 4.8 (+1.2)	5.2 4.3 (+0.9)	9.7 4.5 (+5.2)	3.3 4.7 (-1.3)	0.1 0.2 (-0.1)	30.9 29.4 (+1.5)
GDU Normal (Diff)	72 59 (+12)	365 400 (-35)	633 621 (+11)	762 797 (-35)	778 715 (+62)	538 507 (+30)	359 237 (+121)	6 0 (+6)	3513 3339 (+173)



* 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.

2021 Corn - Pennsylvania Southeast [PASE]

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.