

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

2020 Corn Grain Top 30 Harvest Report

Pennsylvania Central [PACE] NORTHUMBERLAND, PA
Scott Shoop, Northumberland County, PA 17847

All-Season Test	99 - 109 Day CRM B2020PACE04
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Glyphosate
SOIL DESCRIPTION:	silt loam, moderately drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, medium K, 4.8 pH, 2.6% OM, 14.5 CEC
PEST MANAGEMENT:	Glyphosate, Capture, Capreno, Atrazine
FERTILITY - Applied N:	21 Spring, 135 Planter, 114 Sidedress
Applied N-P-K (units):	270-11-205
SEEDED - RATE - ROW:	May 20 34.5 /A 30" spacing
HARVESTED - STAND:	Dec 2 33.3 /A

TEST COMMENTS:

Excellent planting conditions. Good soil moisture and temperatures. Corn looked great all summer long. Got some timely rains in June, July, and August when most local farmers just missed them. Storm in early September with straight-line winds did cause the most lodging problems, but corn was broke over high enough with good stalk integrity at harvest to allow 95% of hybrids to combine nearly 100%. For the lateness of harvest, the only thing missing in this plot was moisture separation. 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
MID-ATLANTIC	MA8106	VT2P	109	253.9	16.5	7	33.0	1237	1
DEKALB	DKC59-82RIB GC	VT2P,B	109	248.5	16.8	5	34.0	1209	2
SEED CONSULTANTS	SCS1071AM	AM,B	107	247.6	16.7	14	33.7	1205	3
SEED CONSULTANTS	SCS1091AM	AM,B	109	244.7	16.8	3	33.3	1191	4
MID-ATLANTIC	MA8091VT2P	VT2P	109	244.5	16.9	23	31.8	1189	6
PIONEER	P0963AM GC	AM,B	109	244.1	16.3	2	33.4	1191	5
NK BRAND	NK1082-5222A-EZR	5222A,B	110	244.0	17.0	30	33.8	1186	7
LOCAL SEED	LC0297 SXRIB	STX,B	102	241.3	16.2	10	33.0	1177	8
DYNA-GRO	D49SS70	STX	109	236.6	16.5	6	32.5	1153	9
LOCAL SEED	LC0607 TCRIB	TRE,B	106	233.5	16.1	7	33.3	1140	10
AUGUSTA	4757	VT2P	107	233.4	16.4	11	32.4	1138	11
DYNA-GRO	D45TC55	TRE	105	233.1	16.8	14	32.9	1134	12
CHEMGRO	6505RDP	VT2P,B	105	231.5	15.9	18	33.6	1131	13
DEKALB	DKC58-64RIB GC	STX,B	108	231.4	16.1	3	34.0	1130	14
NK BRAND	NK0886-5122-EZR	5122,B	108	231.4	17.6	19	32.6	1121	17
PIONEER	P0806AM GC	AM,B	108	230.4	16.7	11	33.8	1122	15
DYNA-GRO	D44SS54 GC	STX	104	230.4	16.6	19	33.6	1122	16
CHEMGRO	6819D5Z	5222,B	108	228.9	17.1	23	33.0	1112	18
HUBNER	H6287RCSS	STX,B	104	227.7	16.5	37	33.8	1110	19
AUGUSTA	4759	3111	108	227.6	16.9	23	33.3	1107	20
HUBNER	H6390RCSS	STX,B	108	224.9	16.6	7	33.6	1095	21
LOCAL SEED	LC0488 VT2PRIB	VT2P,B	104	224.1	16.0	29	33.2	1095	22
MID-ATLANTIC	MA8066	VT2PDG	106	222.6	16.6	11	33.0	1084	24
CHEMGRO	6605RDP	VT2P,B	106	222.5	16.3	19	33.2	1085	23
AUGUSTA	1059	3110	109	221.5	17.2	10	32.9	1075	26
CHEMGRO	6395RDP	VT2P,B	103	220.3	16.1	19	34.1	1076	25
SEED CONSULTANTS	SCS1069AM	AM,B	106	219.7	16.4	14	33.8	1071	27
LOCAL SEED	LC0999 VT2PRIB	VT2P,B	109	217.5	16.4	9	33.2	1060	28
MID-ATLANTIC	MA8039	VT2P	103	217.4	16.5	19	33.0	1059	29
AUGUSTA	4958-3120	3120,B	108	211.2	16.9	31	32.4	1027	30

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Averages = **226.7** **16.6** **17** **33.3** **1104**

LSD (0.10) = 13.6 0.4 11

LSD (0.25) = 7.1 0.2 6

C.V. = 5.7

Historic yield: 209.4 bu/a, 15 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$4.91

Report Date: 12/03/2020

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

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2020 Corn - Pennsylvania Central [PACE]

All-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	1059	3110	109	AVC,C5
AUGUSTA	1060	3330	109	CM,C2
AUGUSTA	4757	VT2P	107	AC,P5V
AUGUSTA	4759	3111	108	CM,C2
AUGUSTA	4958-3120	3120,B	108	CM,C2
CHEMGRO	6395RDP	VT2P,B	103	AC,P2
CHEMGRO	6505RDP	VT2P,B	105	AC,P2
CHEMGRO	6605RDP	VT2P,B	106	AC,P2
CHEMGRO	6819D5Z	5222,B	108	CM,C5,Vi
DEKALB	DKC58-64RIB GC	STX,B	108	NA
DEKALB	DKC59-82RIB GC	VT2P,B	109	NA
DYNA-GRO	D44SS54 GC	STX	104	AC,P5V,EDC-B
DYNA-GRO	D45TC55	TRE	105	AC,P5V,EDC-B
DYNA-GRO	D49SS70	STX	109	AC,P5V,EDC-B
HUBNER	H05G716	VT2PDG	105	AC,P5V
HUBNER	H6225RCSS	STX,B	102	AC,P5V
HUBNER	H6287RCSS	STX,B	104	AC,P5V
HUBNER	H6390RCSS	STX,B	108	AC,P5V
LOCAL SEED	LC0297 SSXRIB	STX,B	102	RA
LOCAL SEED	LC0488 VT2PRIB	VT2P,B	104	RA
LOCAL SEED	LC0607 TCRIB	TRE,B	106	RA
LOCAL SEED	LC0999 VT2PRIB	VT2P,B	109	RA
MID-ATLANTIC	MA5024	5222,B	102	NA
MID-ATLANTIC	MA8008	VT2P	100	NA
MID-ATLANTIC	MA8039	VT2P	103	NA
MID-ATLANTIC	MA8066	VT2PDG	106	NA
MID-ATLANTIC	MA8091VT2P	VT2P	109	NA
MID-ATLANTIC	MA8106	VT2P	109	NA
NK BRAND	NK0886-5122-EZR	5122,B	108	AVC,C5,Vi
NK BRAND	NK0968-3000GT	3000GT	109	AVC,C5,Vi
NK BRAND	NK1082-5222A-EZR	5222A,B	110	AVC,C5,Vi
PIONEER	P0806AM GC	AM,B	108	NA
PIONEER	P0963AM GC	AM,B	109	NA
SEED CONSULTANTS	SCS1069AM	AM,B	106	NA
SEED CONSULTANTS	SCS1071AM	AM,B	107	NA
SEED CONSULTANTS	SCS1091AM	AM,B	109	NA

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*

3000GT	Agrisure® 3000GT
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3111	Agrisure® Viptera® 3111
3120	Agrisure® 3120 (CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

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

Corn Seed Treatments**

NA	Not Available
AC,P2	Acceleron, Poncho 250
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AVC,C5	Avicta Complete 500
AVC,C5,Vi	Avicta Complete 500, Vibrance
CM,C2	CruiserMaxx 250
CM,C5,Vi	CruiserMaxx 500 with Vibrance
RA	Radius 500 (Local Seed Co)

** Seed treatments may include unspecified plant health promoting components.