

Test by: M&D Seed Research, LLC Van Buren, IN

2023 Corn Grain Top 30 Harvest Report

Michigan Thumb [MITH] DECKER, MI

Don Martin & Sons INC, Lyle Martin, Sanilac County, MI 48426

All-Season Test	93 - 103 Day CRM B2023MITH05
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Dry Beans / Raptor, Basagran
SOIL DESCRIPTION:	losco sandy loam, moderately drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 6.6 pH, 2.3% OM, 6.5 CEC
PEST MANAGEMENT:	Lumax, Roundup
FERTILITY - Applied N:	86 Fall, 24 Spring, 60 Sidedress, 10000 gal manure applied in fall
Applied N-P-K (units):	170-39-28
SEEDED - RATE - ROW:	May 11 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 15 33.2 /A

TEST COMMENTS:

This location started off well with just enough moisture to get good stands in the plots. A dry early summer helped plants develop roots and standability. Above-average rains later in the growing season helped with plant height and pollinations. The site had some variability among the replications due to weather conditions during the growing season. Overall, the plot had above average yields.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Legacy	LC474-23 ↗	PCE	97	263.9	19.4	1	32.1	1081	1
Legacy	LC534-23 ↗	TRE	103	257.4	20.0	1	33.5	1048	2
Dairyland	DS-4219AM ↗	AM	102	255.7	20.4	1	33.2	1037	3
Legacy	LC-4248 ↗	VT2P	100	251.8	19.5	1	33.2	1030	4
Dairyland	DS-4003Q ↗	QR	100	250.0	19.1	1	32.8	1026	5
M & W Seeds	MW 103A VT2P ↗	VT2P	103	250.0	19.8	1	33.5	1020	7
Rob-See-Co	RC4779-PCE ↗	PCE	97	249.0	18.8	1	33.5	1025	6
Renk	RK628VT2P ↗	VT2P	102	248.5	19.5	1	33.5	1017	8
M & W Seeds	MW A96 PWR ↗	PC	96	246.5	19.4	1	33.5	1009	10
Legacy	LC451-21 ↗	VT2P	95	245.1	18.2	1	32.8	1015	9
Legacy	LC465-23 ↗	PCE	96	244.6	19.1	1	33.5	1005	12
Renk	RK597SSPRO ↗	STXP	99	243.9	18.6	1	33.5	1006	11
Dairyland	DS-3900AM ↗	AM	99	243.2	19.1	1	33.2	999	15
Rob-See-Co	D97-95-VT2P ↗	VT2P	97	242.8	18.3	1	33.2	1004	13
Dairyland	DS-3601AM ↗	AM	96	241.8	18.1	1	33.2	1003	14
Golden Harvest	G01B63-AA ↗	AA	101	241.5	20.6	1	33.5	977	22
Dairyland	DS-4365AM ↗	AM	103	241.0	19.8	1	33.5	983	16
M & W Seeds	MW 97A VT2P ↗	VT2P	97	239.4	19.7	1	33.5	977	23
Dyna-Gro	D41TC74RIB ↗	TRE	101	239.2	19.8	1	33.5	976	24
M & W Seeds	MW 45T56 ↗	VT2P	100	238.1	19.0	1	33.5	979	20
Renk	RK571PWE ↗	PCE	96	238.0	18.8	1	33.2	980	19
Rob-See-Co	D98-43-TRE ↗	TRE	98	237.9	18.6	1	32.8	982	17
Rob-See-Co	D01-90-VT2P ↗	VT2P	101	237.7	19.3	1	32.8	974	25
NK Brand	NK0243-D ↗	D	102	236.0	19.8	1	33.5	962	26
Rob-See-Co	RC4518-VT2P ↗	VT2P	95	235.8	18.0	1	33.2	979	21
Integra	4601 VT2PRIB ↗	VT2P	96	235.8	17.8	1	33.2	981	18
Dyna-Gro	D34SS93RIB ↗	STX	94	235.3	19.8	1	33.5	960	27
Legacy	LC512-22 ↗	VT2P	101	230.7	19.2	3	33.5	946	29
M & W Seeds	MW 46T29 ↗	VT2P	99	230.6	18.5	1	33.5	952	28
Golden Harvest	G97B68-DV ↗	DV	97	229.1	18.6	1	33.5	945	30



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Averages = **231.7** **19.0** **1** **33.2** **953**

LSD (0.10) = 15.1 0.5 ns

LSD (0.25) = 7.9 0.2 ns

C.V. = 7.2

Historic yield: 223.4 bu/a, 5 yr(s)

Yield & Income Factors: Base Moisture = 15.5% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.25; non-GMO = \$4.75

Report Date: 11/16/2023

† 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

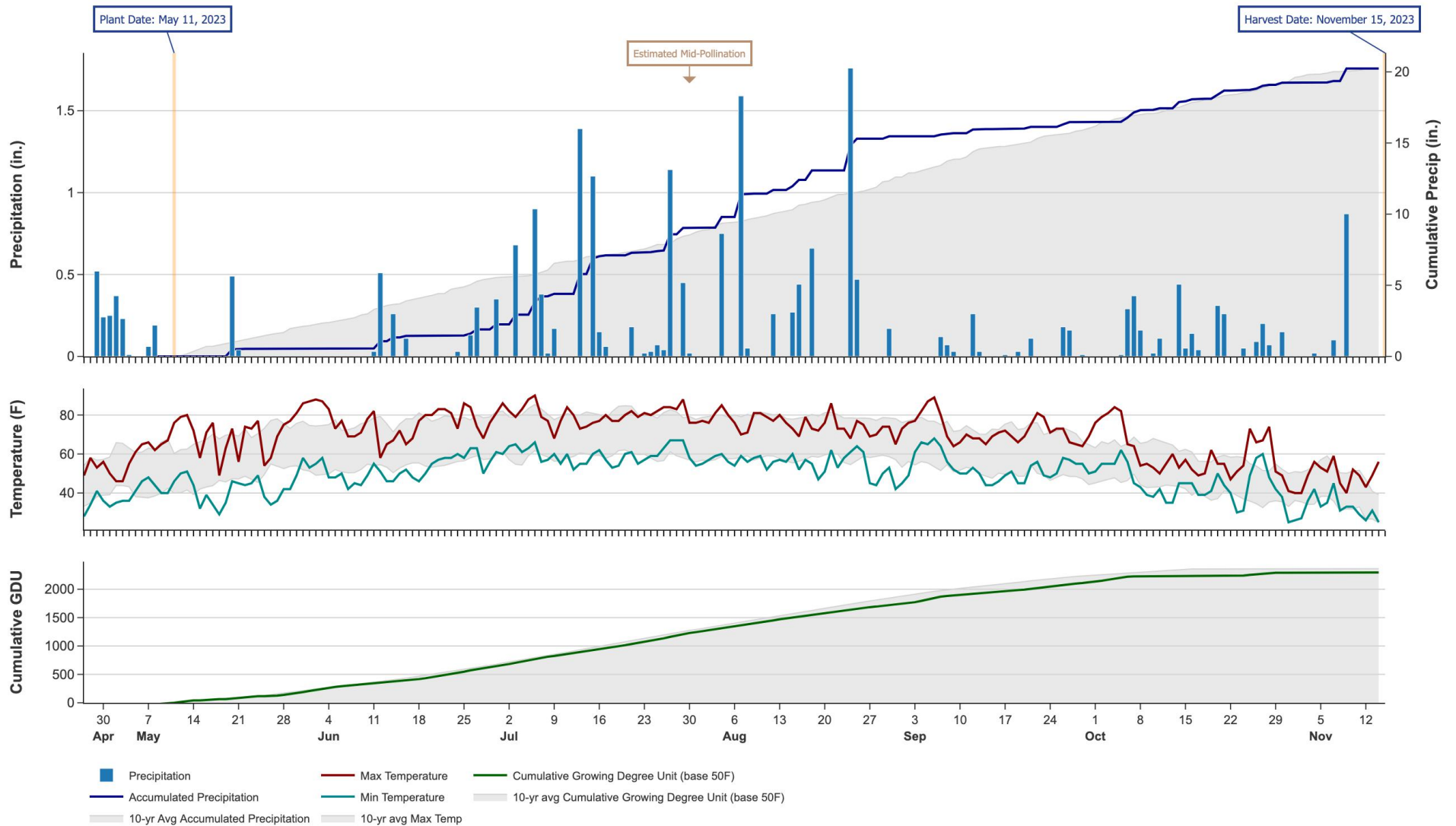
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Weather Conditions Summary at DECKER, MI

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	0.8 0.3 (+0.4)	1.6 3.0 (-1.3)	1.7 3.4 (-1.7)	6.8 3.2 (+3.6)	6.4 3.9 (+2.5)	1.0 3.4 (-2.4)	2.8 3.3 (-0.5)	1.0 0.9 (+0.1)	22.1 21.4 (+0.7)
GDU Avg (Diff)	0 0 (0)	245 273 (-28)	447 462 (-15)	608 611 (-3)	484 575 (-91)	392 374 (+17)	171 119 (+51)	4 0 (+4)	2351 2417 (-66)



* 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 (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1946-AA	AA	N	96	CM,C2
Augusta	A2048-AA	AA	N	98	CM,C5
Augusta	A2541-5222	DV	Y	91	CM,C2
Dairyland	DS-3477AM	AM	Y	94	Lum, L1
Dairyland	DS-3599Q	QR	Y	95	Lum, L1
Dairyland	DS-3601AM	AM	Y	96	Lum
Dairyland	DS-3900AM	AM	Y	99	Lum, L1
Dairyland	DS-4003Q	QR	Y	100	Lum, L1
Dairyland	DS-4219AM	AM	Y	102	Lum, L1
Dairyland	DS-4365AM	AM	Y	103	Lum, L1
Dyna-Gro	D34SS93RIB	STX	Y	94	AC,P5V
Dyna-Gro	D41TC74RIB	TRE	Y*	101	AC,P5V
Golden Harvest	G01B63-AA	AA	Y	101	CM,C5,Va
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Golden Harvest	G97B68-DV	DV	Y	97	AVC,C1,Va
Golden Harvest	G98B99-AA	AA	Y	98	CM,C5,Va
Integra	4601 VT2PRIB	VT2P	Y*	96	AC,P5V,SU
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,SU+Zn
Integra	4993 TRERIB	TRE	N	99	AC,P5V,SU+Zn
Legacy	LC-4248	VT2P	Y	100	AC,P2,Va,Zn
Legacy	LC451-21	VT2P	N	95	AC,P2,Va,Zn
Legacy	LC465-23	PCE	Y	96	CM,C2,Vi,Va
Legacy	LC474-23	PCE	N	97	CM,C2,Vi,Va
Legacy	LC512-22	VT2P	N	101	AC,P2,Va,Zn
Legacy	LC534-23	TRE	N	103	AC,P5V
M & W Seeds	MW 103A VT2P	VT2P	Y	103	Ti
M & W Seeds	MW 45T56	VT2P	Y	100	Ti
M & W Seeds	MW 46T29	VT2P	Y	99	Ti
M & W Seeds	MW 97A VT2P	VT2P	Y	97	Ti
M & W Seeds	MW A96 PWR	PC	Y	96	Ti
M & W Seeds	MW B101 AA	AA	Y	101	Ti
M & W Seeds	MW EXP 96 DV	DV	Y	96	Ti
NK Brand	NK0243-D	D	Y	102	AVC,C1,Va
NK Brand	NK0295-AA	AA	Y	102	CM,C5,Va
NK Brand	NK9771-DV	DV	Y	97	AVC,C1,Va
NK Brand	NK9832-AA	AA	Y	98	CM,C5,Va
Renk	RK571PWE	PCE	N	96	Lum,P5V
Renk	RK582SSTX	STX	N	98	AC,P5V
Renk	RK597SSPRO	STXP	N	99	AC,P5V,B300
Renk	RK609VT2P	VT2P	Y	101	AC,P5V,B300
Renk	RK628VT2P	VT2P	N	102	AC,P5V,B300
Rob-See-Co	D01-90-VT2P	VT2P	Y	101	AVC,C2,Vi,Va

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	D97-95-VT2P	VT2P	Y	97	CM,C2,Vi,Va
Rob-See-Co	D98-43-TRE	TRE	Y	98	CM,C2,Vi,Va
Rob-See-Co	RC4518-VT2P	VT2P	Y	95	CM,C2,Vi,Va
Rob-See-Co	RC4779-PCE	PCE	N	97	CM,C2,Vi,Va
Rob-See-Co	RC5062-AA	AA	Y	100	CM,C2,Vi,Va
Rob-See-Co	RC5134-PCE	PCE	N	101	CM,C2,Vi,Va

* 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

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. Power Plus® brand seed is distributed by Burrus. Power Plus® is a registered trademark of Corteva Agriscience.

Corn Technologies

AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
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
PC	PowerCore®
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
VT2P	VT Double PRO®

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

Corn Seed Treatments*

NA	Not Available
AC,P2,Va,Zn	Acceleron® 250, Vayantis® + Zn
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B300	Acceleron® Poncho 500/Votivo with B-300 SAT
AC,P5V,SU	Acceleron® Poncho 500/Votivo, StepUp
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5	Cruisermaxx® 500
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
Ti	Titan Corn 250 (M & W Seeds)

* Seed treatments may include unspecified plant health promoting components.