

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

2023 Corn Grain Top 30 Harvest Report

Michigan South [MISO] READING, MI

Tom Schroeder, Hillsdale County, MI 49274

Early-Season Test	97 - 102 Day CRM B2023MISO02a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Matador, Verdict, Round Up
SOIL DESCRIPTION:	Riddles sandy loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.4 pH, 2.3% OM, 10.5 CEC
PEST MANAGEMENT:	Degree Extra, Callisto, Round Up
FERTILITY - Applied N:	28 Fall, 29 Planter, 90 Sidedress, 30 Foliar Rescue, Mg, B, and S added in fall
Applied N-P-K (units):	177-50-54
SEEDED - RATE - ROW:	May 19 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 10 32.4 /A

TEST COMMENTS:

Plot was planted in the middle of May in pretty dry conditions. The dry conditions combined with very little rain at the end of May and June caused some emergence issues and unevenness within the plot. Better rain in July and August helped with foliar growth and pollination. The plot was on the short side at harvest and was standing well with some sporadic deer damage.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P9955Q GC ↗	QR	99	252.6	18.6	1	33.5	1042	1
M & W Seeds	MW 97A VT2P ↗	VT2P	97	249.0	18.0	1	32.5	1033	2
M & W Seeds	MW A96 PWR ↗	PC	96	247.7	17.6	1	31.8	1032	3
FS InVision	FS 5035P ↗	STXP	100	246.0	18.9	1	31.4	1011	4
Partners Brand	PB 7184-PCE ↗	PCE	101	241.4	19.8	1	30.7	984	5
Wyckoff	2250 VT2P RIB ↗	VT2P	101	233.2	17.7	1	32.5	970	6
Renk	RK590VT2P ↗	VT2P	98	232.4	17.4	1	33.5	970	7
Legacy	LC-4248 ↗	VT2P	100	230.9	18.7	1	31.8	952	9
Wyckoff	2160 PCE ↗	PCE	98	228.8	17.5	1	33.2	954	8
Rob-See-Co	RC5134-PCE ↗	PCE	101	227.8	20.2	1	32.4	926	18
FS InVision	FS 5115X RIB ↗	STX	101	227.3	18.7	1	33.2	937	12
Renk	RK597SSPRO ↗	STXP	99	226.3	17.6	1	33.5	943	11
Rob-See-Co	D98-43-TRE ↗	TRE	98	226.1	17.2	1	32.5	946	10
Dairyland	DS-4219AM ↗	AM	102	226.0	18.7	1	33.5	932	15
Wyckoff	2299 TRE RIB ↗	TRE	102	225.9	19.5	1	33.5	924	19
Augusta	A2050 VT2P ↗	VT2P	100	224.8	18.0	1	33.2	933	14
Specialty	30DT192 ↗	TRE	100	224.5	18.6	1	33.2	927	16
Pioneer	P9823Q GC ↗	QR	98	223.1	17.9	1	32.8	927	17
Rob-See-Co	RC4779-PCE ↗	PCE	97	222.6	16.9	1	33.2	934	13
Augusta	A2048-AA ↗	AA	98	221.9	17.7	1	31.8	923	20
Specialty	28DT643 ↗	VT2PDG	98	221.6	17.7	1	32.8	922	21
Channel	200-23VT2PRIB GC ↗	VT2P	100	220.9	18.1	1	32.8	916	23
FS InVision	FS 4927T RIB ↗	TRE	99	220.0	17.2	1	31.4	920	22
Wyckoff	2210 SS RIB ↗	STX	102	218.5	18.7	1	30.4	901	25
Rob-See-Co	D97-95-VT2P ↗	VT2P	97	218.4	17.2	1	32.1	913	24
Dairyland	DS-3900AM ↗	AM	99	215.7	17.7	1	33.5	898	27
M & W Seeds	MW 46T29 ↗	VT2P	99	215.1	17.0	1	32.5	901	26
Renk	RK579DGV2P ↗	VT2PDG	99	213.1	17.7	1	33.2	887	29
Integra	4702 VT2PRIB ↗	VT2P	97	212.5	17.3	1	30.7	888	28
Integra	CXINT099TRE ↗	TRE	99	211.1	17.3	1	32.8	882	30
PIONEER	P0035AM CK	AM	100	196.0	20.0	1	32.5	798	46
				Averages =	217.8	18.2	1	32.4	902
				LSD (0.10) =	20.3	0.6	ns		
				LSD (0.25) =	10.7	0.3	ns		
				C.V. =	10.3				
				Historic yield: 190.88 bu/a, 18 yr(s)					

Matt Turner

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

Report Date: 11/10/2023

† 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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2023 Corn Grain Top 30 Harvest Report

Michigan South [MISO] READING, MI

Tom Schroeder, Hillsdale County, MI 49274

Full-Season Test	103 - 107 Day CRM B2023MISO02b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Matador, Verdict, Round Up
SOIL DESCRIPTION:	Riddles sandy loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.4 pH, 2.3% OM, 10.5 CEC
PEST MANAGEMENT:	Degree Extra, Callisto, Round Up
FERTILITY - Applied N:	28 Fall, 29 Planter, 90 Sidedress, 30 Foliar Rescue, Mg, B, and S added in fall
Applied N-P-K (units):	177-50-54
SEEDED - RATE - ROW:	May 19 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 10 32.6 /A

TEST COMMENTS:

Plot was planted in the middle of May in pretty dry conditions. The dry conditions combined with very little rain at the end of May and June caused some emergence issues and unevenness within the plot. Better rain in July and August helped with foliar growth and pollination. The plot was on the short side at harvest and was standing well with some sporadic deer damage.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
M & W Seeds	MW 44V42 ↗	VT2P	107	268.1	19.6	1	33.5	1096	1
Wyckoff	2515 VT2P RIB ↗	VT2P	107	252.3	20.5	1	31.4	1022	3
FS InVision	FS 5725X RIB ↗	STX	107	249.4	19.9	1	33.2	1017	4
Integra	5443 DGVT2PRIB ↗	VT2PDG	104	249.4	19.0	1	32.8	1025	2
Specialty	37D832 ↗	VT2P	107	248.3	20.0	1	32.5	1011	6
Legacy	LC534-23 ↗	TRE	103	245.6	18.8	1	32.8	1012	5
M & W Seeds	MW 44V83 ↗	V	107	243.3	21.4	1	31.0	976	8
Renk	RK720TRE ↗	TRE	106	236.3	19.8	1	31.8	964	14
Dairyland	DS-4510Q ↗	QR	105	236.0	18.9	1	33.5	971	12
FS InVision	FS 5335P RIB ↗	STXP	103	235.9	19.5	1	33.5	965	13
Renk	RK707TRE ↗	TRE	105	235.6	18.2	1	31.4	976	9
Dairyland	DS-4365AM ↗	AM	103	235.6	18.6	1	33.5	972	10
Integra	5584 PWE ↗	PCE	105	235.3	17.9	1	33.5	977	7
M & W Seeds	MW 103A VT2P ↗	VT2P	103	234.7	18.2	1	33.5	972	11
FS InVision	FS 5594X RIB ↗	STX	105	232.8	19.5	1	33.2	952	15
Specialty	33D552 ↗	VT2P	103	229.8	19.4	1	32.1	941	16
M & W Seeds	MW A107 PWR ↗	PC	107	228.6	21.0	1	32.8	921	21
Dairyland	DS-4686AM ↗	AM	106	227.8	20.5	1	32.8	923	20
Legacy	LC554-21 ↗	VT2PDG	105	227.2	19.1	1	33.2	933	17
Legacy	LC544-22 ↗	PCE	104	226.1	18.8	1	32.8	931	18
FS InVision	FS 5525VDG RIB ↗	VT2PDG	105	224.0	18.4	1	32.5	926	19
Specialty	35D513 ↗	VT2P	105	220.5	18.7	1	32.1	909	22
Wyckoff	2432 TRE RIB ↗	TRE	105	218.1	19.2	1	32.4	895	24
Renk	RK703PWE ↗	PCE	106	217.2	20.3	1	32.5	881	27
Augusta	A1954 PCE ↗	PCE	104	215.3	18.1	1	32.8	893	25
Dyna-Gro	D44DC73RIB ↗	VT2PDG	104	214.6	18.3	1	33.2	888	26
Pioneer	P0720AM GC ↗	AM	107	214.3	20.5	1	33.5	868	31
M & W Seeds	MW C104 PWR ↗	PC	104	211.7	18.7	1	32.5	873	29
Wyckoff	2483 VT2P RIB ↗	VT2P	105	210.9	17.7	1	31.4	878	28
Wyckoff	2386 PCE ↗	PCE	103	209.5	17.9	1	32.1	870	30
PIONEER	P0035AM CK	AM	100	219.1	18.2	1	33.5	907	23
				Averages =	226.4	19.1	1	32.6	931
				LSD (0.10) =	20.6	0.7	ns		
				LSD (0.25) =	10.8	0.4	ns		
				C.V. =	10.0				
				Historic yield: 190.88 bu/a, 18 yr(s)					



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

Report Date: 11/10/2023

† 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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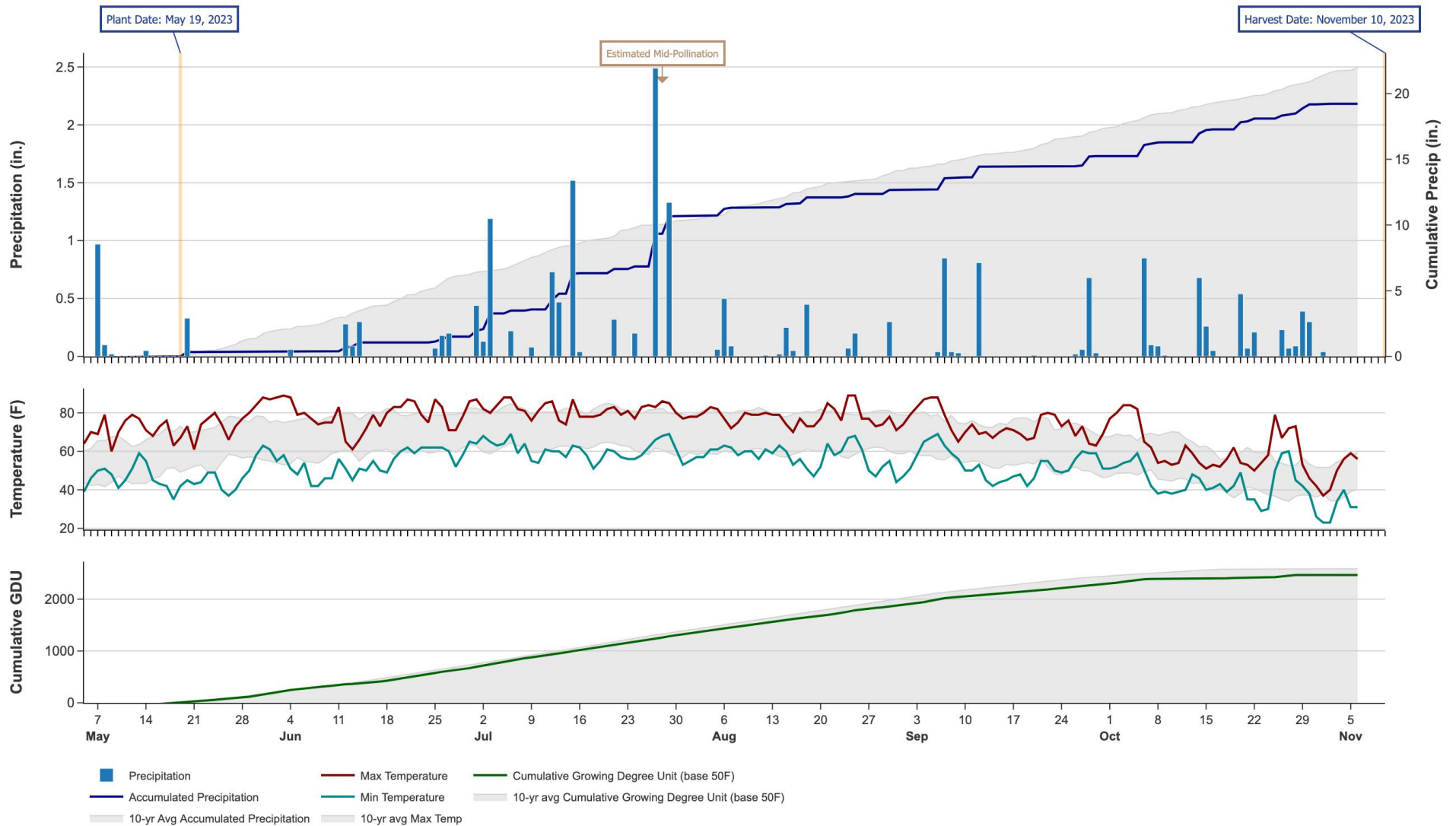
Additional reports available at www.firstseedtests.com

2023 Corn - Michigan South [MISO]

Weather Conditions Summary at READING, MI

Weather Data Retrieved: 11/10/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	1.5 3.6 (-2.2)	1.2 4.5 (-3.3)	9.2 4.1 (+5.1)	2.0 3.8 (-1.8)	2.6 3.2 (-0.6)	3.9 3.8 (+0.1)	0.0 0.8 (-0.7)	20.4 23.9 (-3.5)
GDU Avg (Diff)	320 298 (+21)	506 551 (-45)	652 662 (-10)	550 619 (-69)	417 434 (-17)	179 146 (+32)	0 0 (0)	2624 2713 (-89)



* 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.

2023 Corn - Michigan South [MISO]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A2048-AA	AA	N	98	CM,C5
Augusta	A2050 VT2P	VT2P	N	100	CM,C2
Augusta	A2052-AA	AA	N	102	CM,C5
Channel	200-23VT2PRIB GC	VT2P	Y	100	AC,P5V,EDC-B
Dairyland	DS-3900AM	AM	Y	99	Lum, L1
Dairyland	DS-4003Q	QR	Y	100	Lum, L1
Dairyland	DS-4219AM	AM	Y	102	Lum, L1
Dyna-Gro	D41TC74RIB	TRE	Y*	101	AC,P5V
FS InVision	FS 4927T RIB	TRE	Y	99	AC,P5V,EDC-EL
FS InVision	FS 5035P	STXP	N	100	AC,P5V,EDC-EL
FS InVision	FS 5115X RIB	STX	Y	101	AC,P5V,EDC-EL
FS InVision	FS 5125L1A EZR	AA	Y	101	AC,P5V,EDC-EL
Golden Harvest	G01B63-AA	AA	Y	101	CM,C5,Va
Golden Harvest	G02K39-D	D	Y	102	AVC,C1,Va
Golden Harvest	G98B99-AA	AA	Y	98	CM,C5,Va
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,SU+Zn
Integra	4993 TRERIB	TRE	N	99	AC,P5V,SU+Zn
Integra	CXINT099TRE	TRE	Y	99	AC,P5V,SU+Zn,PT
Legacy	LC-4248	VT2P	Y	100	AC,P2,Va,Zn
Legacy	LC492-22	VT2P	N	99	AC,P2,Va,Zn
Legacy	LC512-22	VT2P	N	101	AC,P2,Va,Zn
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
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
Partners Brand	PB 7184-PCE	PCE	N	101	AL2500
Pioneer	P0035AM CK	AM	Y	100	Lum
Pioneer	P9823Q GC	QR	Y	98	Lum, L1
Pioneer	P9955Q GC	QR	Y	99	Lum, L1
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P2
Renk	RK597SSPRO	STXP	N	99	AC,P5V,B300
Renk	RK600VT2P	VT2P	N	100	AC,P2
Renk	RK628VT2P	VT2P	N	102	AC,P5V,B300
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	RC4779-PCE	PCE	N	97	CM,C2,Vi,Va
Rob-See-Co	RC5134-PCE	PCE	N	101	CM,C2,Vi,Va
Specialty	27D728	VT2P	Y	97	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Specialty	28DT643	VT2PDG	Y	98	AC,P5V
Specialty	30DT192	TRE	Y	100	AC,P5V
Wyckoff	2160 PCE	PCE	Y	98	CM,C2,Vi,Va
Wyckoff	2210 SS RIB	STX	Y	102	AC,P5V
Wyckoff	2250 VT2P RIB	VT2P	Y	101	AC,P2
Wyckoff	2299 TRE RIB	TRE	Y	102	AC,P5V

* 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.

2023 Corn - Michigan South [MISO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1954 PCE	PCE	N	104	CM,C2
Augusta	A2057-3111	3111	N	107	CM,C2
Dairyland	DS-4365AM	AM	Y	103	Lum, L1
Dairyland	DS-4510Q	QR	Y	105	Lum, L1
Dairyland	DS-4686AM	AM	Y	106	Lum, L1
Dyna-Gro	D44DC73RIB	VT2PDG	Y	104	AC,P5V
FS InVision	FS 5335P RIB	STXP	Y	103	AC,P5V,EDC-EL
FS InVision	FS 5525VDG RIB	VT2PDG	Y	105	AC,P5V,EDC-EL
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V,EDC-EL
FS InVision	FS 5725X RIB	STX	Y	107	AC,P5V,EDC-EL
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V,SU+Zn
Integra	5584 PWE	PCE	N	105	AC,P5V
Legacy	LC534-23	TRE	N	103	AC,P5V
Legacy	LC544-22	PCE	N	104	AC,P5V
Legacy	LC554-21	VT2PDG	N	105	AC,P2,Va,Zn
M & W Seeds	MW 103A VT2P	VT2P	Y	103	Ti
M & W Seeds	MW 44V42	VT2P	Y	107	Ti
M & W Seeds	MW 44V83	V	Y	107	Ti
M & W Seeds	MW A107 PWR	PC	Y	107	Ti
M & W Seeds	MW C104 PWR	PC	Y	104	Ti
NK Brand	NK0367-AA	AA	Y	103	CM,C5,Va
Pioneer	P0035AM CK	AM	Y	100	Lum
Pioneer	P0720AM GC	AM	Y	107	Lum, L1
Renk	RK625DGVT2P	VT2PDG	N	104	AC,P2
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK707TRE	TRE	N	105	AC,P5V,B300
Renk	RK720TRE	TRE	N	106	AC,P2
Specialty	33D552	VT2P	Y	103	AC,P5V
Specialty	35D513	VT2P	Y	105	AC,P5V
Specialty	37D832	VT2P	Y	107	AC,P5V
Wyckoff	2386 PCE	PCE	N	103	CM,C2,Vi,Va
Wyckoff	2432 TRE RIB	TRE	Y	105	AC,P5V
Wyckoff	2483 VT2P RIB	VT2P	Y	105	AC,P2
Wyckoff	2497 PCE	PCE	N	107	AC,P5V
Wyckoff	2515 VT2P RIB	VT2P	Y	107	AC,P2

* 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

3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)
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®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

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

Corn Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
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,EDC-B	Acceleron® BASIC Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC,P5V,SU+Zn,PT	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn with PhycoTerra® ST
AL2500	Alert 2500, Surefire
AVC,C1,Va	Avicta® Complete 1250 with 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.