

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

2023 Corn Grain Top 30 Harvest Report

Michigan South [MISO] HANOVER, MI
Stuart Welden, Jackson County, MI

Early-Season Test	97 - 102 Day CRM B2023MISO03a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Roundup, Enlist
SOIL DESCRIPTION:	Hillsdale-Riddles Complex sandy loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.0 pH, 1.7% OM, 8.8 CEC
PEST MANAGEMENT:	Lexar Ez, Roundup
FERTILITY - Applied N:	146 Spring, 45 Sidedress
Applied N-P-K (units):	191-90-22
SEEDED - RATE - ROW:	May 23 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 11 30.1 /A

TEST COMMENTS:

This is a dryland, no-till site planted in the third week of May into dry conditions. The site had uneven emergence due to the lack of moisture after planting but did start to even up when some rain fell a few weeks later. Good moisture during July and August helped with pollinations and grain fill. The plot was healthy at harvest with a big spread of grain moisture.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyckoff	2299 TRE RIB ↗	TRE	102	248.9	20.2	1	33.5	1012	1
M & W Seeds	MW 46T29 ↗	VT2P	99	240.3	19.5	1	32.1	983	2
Integra	4702 VT2PRIB ↗	VT2P	97	234.4	19.5	1	32.1	958	3
Channel	200-23VT2PRIB GC ↗	VT2P	100	230.2	22.3	1	33.5	916	6
Specialty	28DT643 ↗	VT2PDG	98	228.6	19.5	1	31.4	935	4
Rob-See-Co	D98-43-TRE ↗	TRE	98	226.8	19.6	1	31.8	927	5
Renk	RK600VT2P ↗	VT2P	100	225.6	20.5	1	31.4	914	7
Wyckoff	2250 VT2P RIB ↗	VT2P	101	225.3	20.8	1	31.0	910	8
Renk	RK590VT2P ↗	VT2P	98	219.6	19.1	1	32.8	902	9
Renk	RK597SSPRO ↗	STXP	99	216.5	20.3	1	33.2	879	11
Golden Harvest	G02K39-D ↗	D	102	216.1	20.8	1	29.3	873	13
Renk	RK579DGV2P ↗	VT2PDG	99	215.7	19.9	1	31.8	879	12
M & W Seeds	MW 97A VT2P ↗	VT2P	97	215.4	19.4	1	31.1	882	10
Dairyland	DS-3900AM ↗	AM	99	212.8	20.2	1	31.1	864	16
Integra	4993 TRERIB ↗	TRE	99	211.3	19.6	1	28.6	863	17
Golden Harvest	G98B99-AA ↗	AA	98	211.0	18.9	1	31.1	868	14
Specialty	30DT192 ↗	TRE	100	211.0	20.2	1	29.3	857	18
Wyckoff	2160 PCE ↗	PCE	98	209.9	20.1	1	31.8	853	19
Specialty	27D728 ↗	VT2P	97	209.8	18.5	1	31.8	866	15
M & W Seeds	MW A96 PWR ↗	PC	96	208.1	20.5	1	31.1	843	20
NK Brand	NK9832-AA ↗	AA	98	207.3	20.1	1	30.7	843	21
M & W Seeds	MW B101 AA ↗	AA	101	206.1	21.0	1	30.0	831	24
Pioneer	P9823Q GC ↗	QR	98	205.4	19.7	1	28.6	839	22
Rob-See-Co	RC4779-PCE ↗	PCE	97	204.4	19.6	1	31.0	835	23
Renk	RK628VT2P ↗	VT2P	102	203.7	21.7	1	32.1	815	27
Rob-See-Co	RC5134-PCE ↗	PCE	101	203.1	21.5	1	29.0	814	28
Legacy	LC512-22 ↗	VT2P	101	202.7	21.9	1	30.7	810	30
Integra	CXINT099TRE ↗	TRE	99	201.6	19.4	1	29.7	826	26
Dairyland	DS-4003Q ↗	QR	100	200.6	21.2	1	29.3	807	31
Augusta	A2048-AA ↗	AA	98	200.0	20.0	1	30.0	814	29
PIONEER	P0035AM CK	AM	100	206.8	21.6	1	30.7	828	25
				Averages =	205.4	20.6	1	30.1	832
				LSD (0.10) =	23.4	0.6	ns		
				LSD (0.25) =	12.3	0.3	ns		
				C.V. =	12.5				
				Historic yield: 207.59 bu/a, 5 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: 11/12/2023

† 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] HANOVER, MI
Stuart Welden, Jackson County, MI

Full-Season Test	103 - 107 Day CRM B2023MISO03b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Roundup, Enlist
SOIL DESCRIPTION:	Hillsdale-Riddles Complex sandy loam, well drained, non- irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.0 pH, 1.7% OM, 8.8 CEC
PEST MANAGEMENT:	Lexar Ez, Roundup
FERTILITY - Applied N:	146 Spring, 45 Sidedress
Applied N-P-K (units):	191-90-22
SEEDED - RATE - ROW:	May 23 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 11 31.3 /A

TEST COMMENTS:

This is a dryland, no-till site planted in the third week of May into dry conditions. The site had uneven emergence due to the lack of moisture after planting but did start to even up when some rain fell a few weeks later. Good moisture during July and August helped with pollinations and grain fill. The plot was healthy at harvest with a big spread of grain moisture.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Specialty	37D832 ↗	VT2P	107	248.2	24.9	1	32.1	961	1
Augusta	A2057-3111 ↗	3111	107	245.5	24.0	1	30.7	960	2
Legacy	LC544-22 ↗	PCE	104	241.8	24.4	1	31.4	941	4
Dairyland	DS-4510Q ↗	QR	105	237.6	23.0	1	29.7	938	5
Augusta	A1954 PCE ↗	PCE	104	236.9	22.2	1	30.3	944	3
Renk	RK625DGV2P ↗	VT2PDG	104	236.7	23.1	1	33.5	934	6
FS InVision	FS 5335P RIB ↗	STXP	103	235.3	23.0	1	30.7	929	7
Wyckoff	2515 VT2P RIB ↗	VT2P	107	234.9	24.0	1	31.1	918	10
Legacy	LC554-21 ↗	VT2PDG	105	230.9	23.8	1	30.2	904	13
Legacy	LC534-23 ↗	TRE	103	230.9	21.3	1	33.5	928	8
Wyckoff	2386 PCE ↗	PCE	103	230.3	23.3	1	32.5	907	11
Wyckoff	2483 VT2P RIB ↗	VT2P	105	230.2	21.2	1	32.1	926	9
M & W Seeds	MW 103A VT2P ↗	VT2P	103	229.0	22.8	1	31.4	906	12
Renk	RK707TRE ↗	TRE	105	226.5	21.9	1	33.2	904	14
M & W Seeds	MW A107 PWR ↗	PC	107	222.6	24.5	1	31.8	866	16
M & W Seeds	MW C104 PWR ↗	PC	104	222.0	23.5	1	30.0	873	15
Dyna-Gro	D44DC73RIB ↗	VT2PDG	104	220.4	23.5	1	32.8	866	17
NK Brand	NK0367-AA ↗	AA	103	216.6	22.1	1	31.8	863	18
FS InVision	FS 5725X RIB ↗	STX	107	216.0	25.0	1	29.7	836	22
Golden Harvest	G03B19-AA ↗	AA	103	214.5	23.1	1	32.5	846	21
Dairyland	DS-4365AM ↗	AM	103	214.1	22.6	1	32.1	849	20
Dairyland	DS-4686AM ↗	AM	106	213.1	25.4	1	30.0	822	25
Integra	5584 PWE ↗	PCE	105	212.7	23.7	1	31.4	834	23
FS InVision	FS 5525VDG RIB ↗	VT2PDG	105	210.2	23.9	1	27.6	823	24
Specialty	35D513 ↗	VT2P	105	209.5	24.1	1	33.2	819	27
M & W Seeds	MW 44V83 ↗	V	107	209.5	25.7	1	30.0	805	29
Specialty	33D552 ↗	VT2P	103	207.8	23.1	1	32.5	820	26
Integra	5443 DGV2PRIB ↗	VT2PDG	104	206.5	25.0	1	31.1	800	31
Renk	RK720TRE ↗	TRE	106	204.5	23.8	1	30.7	801	30
FS InVision	FS 5594X RIB ↗	STX	105	203.7	22.9	1	30.4	806	28
PIONEER	P0035AM CK	AM	100	214.0	22.3	1	30.7	852	19
				Averages =	220.2	23.7	1	31.3	863
				LSD (0.10) =	19.0	0.8	ns		
				LSD (0.25) =	10.0	0.4	ns		
				C.V. =	9.5				
				Historic yield: 207.59 bu/a, 5 yr(s)					

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Report Date: 11/12/2023

† 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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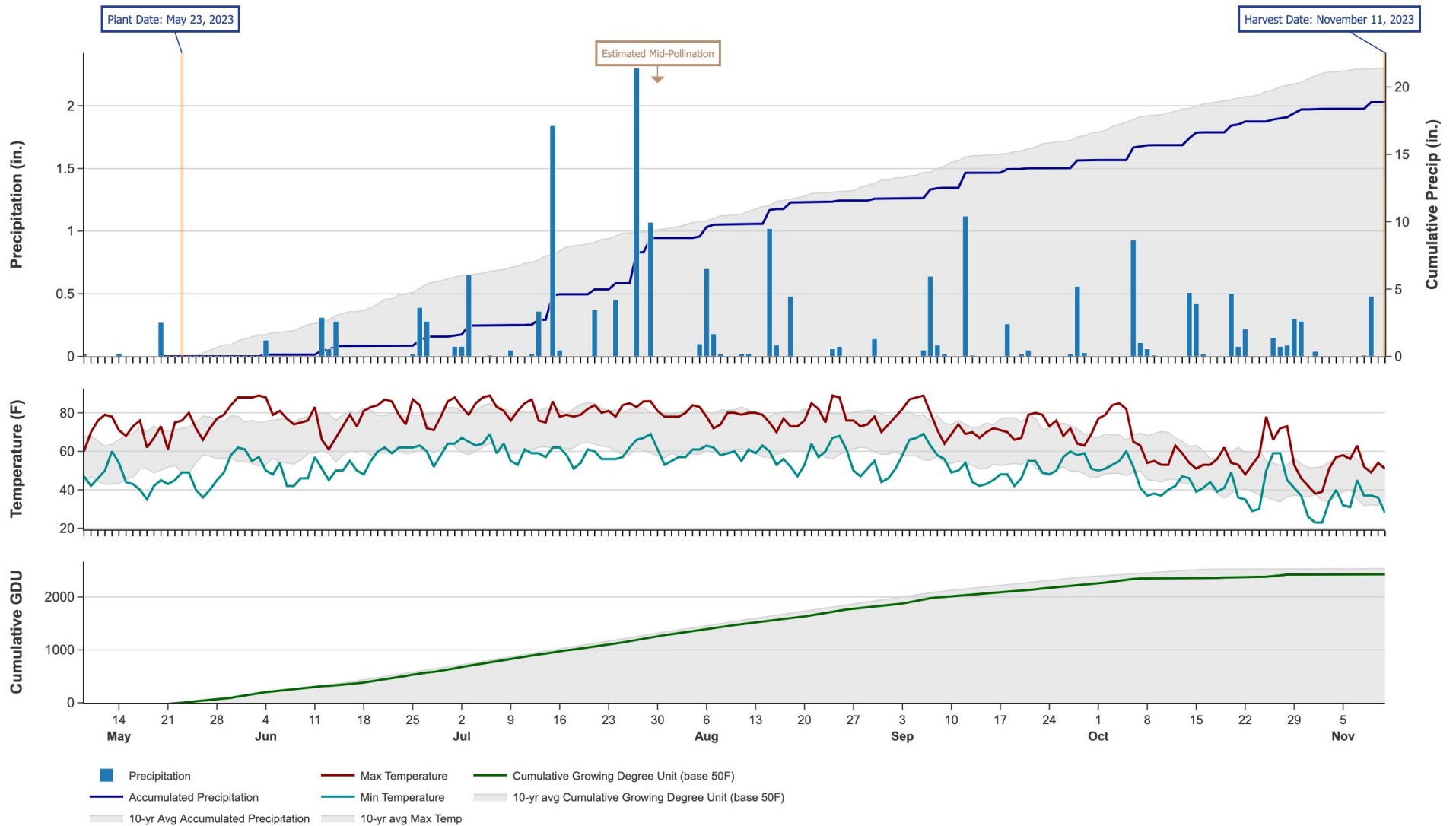
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2023 Corn - Michigan South [MISO]

Weather Conditions Summary at HANOVER, MI

Weather Data Retrieved: 11/12/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	0.3 3.4 (-3.1)	1.5 4.6 (-3.1)	7.3 3.7 (+3.6)	2.9 3.6 (-0.7)	2.9 3.5 (-0.6)	3.8 4.0 (-0.3)	0.5 0.8 (-0.3)	19.2 23.6 (-4.4)
GDU Avg (Diff)	276 271 (+4)	508 545 (-37)	653 662 (-9)	549 618 (-69)	416 432 (-16)	178 147 (+30)	6 0 (+6)	2586 2677 (-91)



* 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.