

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

2022 Corn Grain Top 30 Harvest Report

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

Early-Season Test	97 - 103 Day CRM B2022MISO03a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Xtendimax, Roundup
SOIL DESCRIPTION:	Riddles sandy loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.7 pH, 2.3% OM, 8.3 CEC
PEST MANAGEMENT:	Lexar Ez, Roundup
FERTILITY - Applied N:	146 Spring, 45 Sidedress, Spring N came from dry mix and starter fertilizer
Applied N-P-K (units):	191-150-22
SEEDED - RATE - ROW:	May 17 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 6 32.7 /A

TEST COMMENTS:

This is a no-till location that is a great representation of a southern Michigan dryland, sandy loam. This site has excellent fertility and great weed control. This location started well with a mid-May planting date and received above-average rain all growing season. Ears filled to the tip at harvest with little disease present. Some lodging was noted at harvest but had no effect on yield.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Augusta	A2050 VT2P ↗	VT2P	100	233.5	15.4	2	32.1	1576	1	
FS InVision	FS 5098V RIB ↗	VT2P	100	230.9	15.5	7	32.5	1559	2	
Rob-See-Co	RC5134-PCE ↗	PC	101	226.7	15.9	1	33.0	1527	3	
Wyckoff	2210 SS RIB ↗	STX	102	224.3	15.5	1	33.2	1513	4	
M & W Seeds	45V21 ↗	VT2P	103	221.3	15.4	2	31.8	1494	5	
Specialty	33D552 ↗	VT2P	103	221.0	15.7	3	31.4	1490	6	
Dyna-Gro	D43VC81RIB ↗	VT2P	103	219.7	15.2	1	33.5	1483	7	
Specialty	30DT192 ↗	TRE	100	218.6	15.4	1	33.5	1476	8	
Legacy	LC-4248 SS ↗	STX	100	217.8	15.7	2	31.8	1468	10	
Renk	RK600VT2P ↗	VT2P	100	217.7	15.3	2	32.1	1469	9	
Wyckoff	2170 TRE RIB ↗	TRE	98	216.0	15.0	1	33.5	1458	11	
FS InVision	FS 4927T RIB ↗	TRE	99	213.5	14.8	1	33.2	1440	12	
Wyckoff	2250 VT2P RIB ↗	VT2P	101	212.7	15.3	2	33.2	1436	13	
Dairyland	DS-4219AM ↗	AM	102	212.2	16.0	1	32.8	1429	15	
M & W Seeds	46T29 ↗	VT2P	99	211.4	15.2	2	31.8	1426	16	
FS InVision	FS 5115X RIB ↗	STX	101	210.0	15.4	2	33.5	1418	17	
Renk	RK579DGV2P ↗	VT2PDG	99	209.5	14.9	7	32.5	1414	18	
FS InVision	FS 5125L1A EZR ↗	AA	101	209.3	16.2	1	32.5	1407	19	
M & W Seeds	MW 103A VT2P ↗	VT2P	103	208.0	15.7	9	33.5	1402	20	
NK Brand	NK9922-DV ↗	DV	99	207.9	16.0	2	32.1	1399	22	
M & W Seeds	MW 98A TRE ↗	TRE	98	207.7	15.0	1	33.5	1402	21	
Dairyland	DS-3900AM ↗	AM	99	206.9	15.5	1	32.1	1397	23	
Rob-See-Co	D01-90 ↗	VT2P	101	206.4	15.6	2	32.5	1393	24	
Rob-See-Co	D98-43 ↗	TRE	98	205.6	15.1	2	33.5	1388	25	
Wyckoff	2300 DGV2P RIB ↗	VT2PDG	103	204.9	14.9	2	33.5	1383	26	
Specialty	27D728 ↗	VT2P	97	204.8	15.3	2	31.4	1382	27	
Rob-See-Co	D99-08 ↗	VT2P	99	204.6	15.3	1	31.1	1381	28	
Legacy	LC-5319 ↗	STX	103	203.9	15.8	2	33.2	1373	29	
Integra	4993 TRERIB ↗	TRE	99	201.3	14.9	1	32.8	1359	30	
Augusta	A22-250 ↗	AA	100	200.4	16.2	1	31.4	1347	31	
PIONEER	P0035AM CK	AM	100	212.3	15.8	1	31.1	1430	14	
				Averages =	206.5	15.5	2	32.7	1390	
				LSD (0.10) =	14.5	0.2	ns			
				LSD (0.25) =	7.6	0.1	ns			
				C.V. =	7.7					
				Historic yield: 208.81 bu/a, 4 yr(s)						

Matt Turner

Matt Turner

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Yield & Income Factors: Base Moisture = 15.5% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$6.75; non-GMO = \$6.75

Report Date: 11/06/2022

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

Full-Season Test	104 - 107 Day CRM B2022MISO03b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Xtendimax, Roundup
SOIL DESCRIPTION:	Riddles sandy loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.7 pH, 2.3% OM, 8.3 CEC
PEST MANAGEMENT:	Lexar Ez, Roundup
FERTILITY - Applied N:	146 Spring, 45 Sidedress, Spring N came from dry mix and starter fertilizer
Applied N-P-K (units):	191-150-22
SEEDED - RATE - ROW:	May 17 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 6 32.6 /A

TEST COMMENTS:

This is a no-till location that is a great representation of a southern Michigan dryland, sandy loam. This site has excellent fertility and great weed control. This location started well with a mid-May planting date and received above-average rain all growing season. Ears filled to the tip at harvest with little disease present. Some lodging was noted at harvest but had no effect on yield.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 5594X RIB ↗	STX	105	215.6	17.0	3	33.5	1442	1
M & W Seeds	44V42 ↗	VT2P	107	213.3	17.1	1	33.0	1426	2
Wyckoff	2483 VT2P RIB ↗	VT2P	105	211.5	16.6	1	33.2	1418	3
Dairyland	DS-4567Q ↗	QR	105	211.0	17.4	1	33.0	1408	4
Augusta	A4759-3111 ↗	3111	109	210.6	17.3	1	33.2	1406	5
Integra	5533 STXRIB ↗	STX	105	208.3	16.8	6	33.5	1395	7
Integra	5443 DGVT2PRIB ↗	VT2PDG	104	206.3	15.4	1	33.5	1393	8
Wyckoff	2440 SS RIB ↗	STX	106	206.3	17.0	3	32.8	1380	10
Renk	RK710DGVT2P ↗	VT2PDG	107	205.9	16.3	1	31.8	1383	9
Wyckoff	2582 VT2P RIB ↗	VT2P	107	205.7	16.8	1	32.5	1378	11
Integra	5719 VT2PRIB ↗	VT2P	107	204.0	17.0	1	33.5	1365	13
Renk	RK625DGVT2P ↗	VT2PDG	104	203.8	15.6	2	33.5	1375	12
Rob-See-Co	RC5768-VT2P ↗	VT2P	107	202.8	17.3	2	31.4	1355	15
Augusta	A3655 VT2P ↗	VT2P	104	201.2	15.6	2	32.5	1357	14
Golden Harvest	G07G73-D ↗	D	107	200.8	17.4	2	31.1	1340	18
Renk	RK715SSTX ↗	STX	105	200.2	16.6	3	33.2	1342	16
Specialty	34D651 ↗	VT2P	104	199.4	16.2	3	32.5	1341	17
Legacy	LC541-22 ↗	STX	104	199.0	16.7	2	32.8	1333	19
Specialty	37D832 ↗	VT2P	107	198.9	17.2	1	33.5	1329	21
Legacy	LC564-20 ↗	PC,E	106	198.0	17.1	1	32.5	1324	22
Legacy	LC554-21 ↗	VT2PDG	105	197.5	15.5	2	32.5	1332	20
Wyckoff	2515 VT2P RIB ↗	VT2P	107	196.5	17.5	1	33.5	1311	23
M & W Seeds	44V83 ↗	V	107	194.9	17.3	1	31.1	1301	24
Pioneer	P0720Q GC ↗	QR	107	193.4	17.1	2	32.8	1293	25
FS InVision	FS 5525VDG RIB ↗	VT2P	105	191.5	15.6	2	33.2	1292	26
Specialty	36D260 ↗	VT2P	106	189.7	16.8	1	32.1	1271	27
Rob-See-Co	D05-16 ↗	VT2P	105	188.1	16.2	5	32.8	1264	28
Wyckoff	2335 SS RIB ↗	STX	104	186.3	16.6	1	33.5	1250	29
Dyna-Gro	D47SS93 ↗	STX	107	186.3	16.5	1	33.2	1250	30
Dyna-Gro	D44DC73RIB ↗	VT2PDG	104	183.6	15.4	1	31.6	1239	31
PIONEER	P0035AM CK	AM	100	207.7	16.2	1	32.8	1396	6
				Averages =	198.1	16.6	2	32.6	1327
				LSD (0.10) =	11.7	0.3	ns		
				LSD (0.25) =	6.2	0.2	ns		
				C.V. =	6.5				
				Historic yield: 208.81 bu/a, 4 yr(s)					

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Yield & Income Factors: Base Moisture = 15.5% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$6.75; non-GMO = \$6.75

Report Date: 11/06/2022

† 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

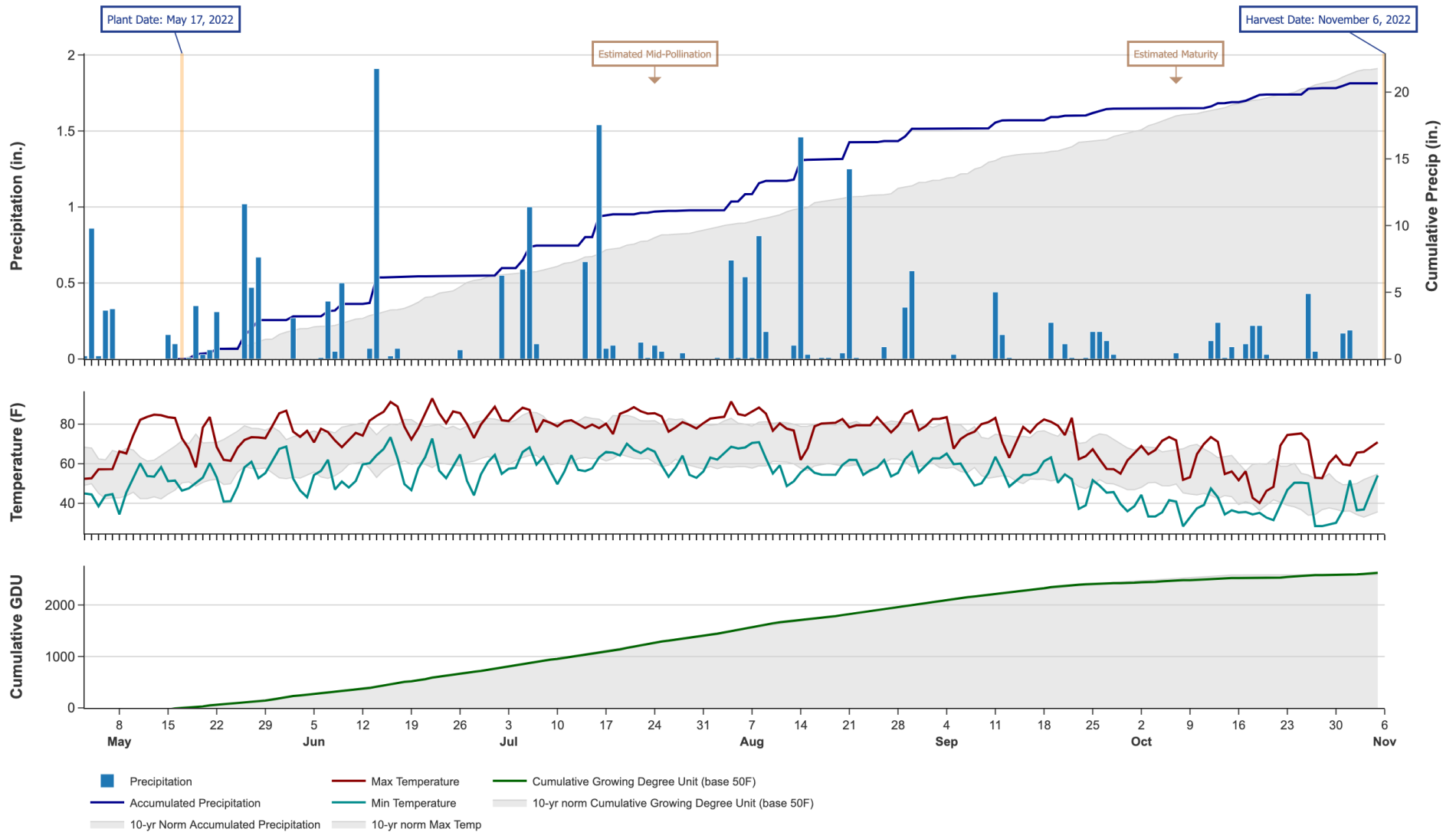
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2022 Corn - Michigan South [MISO]

Weather Conditions Summary at HANOVER, MI

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	4.7 3.8 (+0.9)	3.3 4.3 (-1.0)	4.9 3.5 (+1.4)	6.1 3.6 (+2.6)	1.5 3.7 (-2.2)	1.7 4.2 (-2.5)	0.2 0.6 (-0.4)	22.5 23.7 (-1.3)
GDU Normal (Diff)	352 316 (+35)	553 543 (+9)	656 676 (-20)	622 610 (+11)	405 426 (-21)	157 132 (+24)	43 0 (+43)	2788 2707 (+80)



* 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.

2022 Corn - Michigan South [MISO]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A2050 VT2P	VT2P	N	100	AC250
Augusta	A2150-5222-EZ	DV	Y	100	CM,C2,Vi
Augusta	A22-250	AA	Y	100	AC,P5
Dairyland	DS-3900AM	AM	Y	99	Lum, L1
Dairyland	DS-3959Q	QR	Y	99	Lum, L1
Dairyland	DS-4018AM	AM	Y	101	Lum, L1
Dairyland	DS-4219AM	AM	Y	102	Lum, L1
Dyna-Gro	D43VC81RIB	VT2P	N	103	AC,P5V
FS InVision	FS 4715V RIB	VT2P	Y	97	AC,P5V
FS InVision	FS 4927T RIB	TRE	Y	99	AC,P5V,EDC-EL
FS InVision	FS 5098V RIB	VT2P	Y	100	AC,P5V
FS InVision	FS 5115X RIB	STX	Y	101	AC,P5V
FS InVision	FS 5125L1A EZR	AA	Y	101	CM,C2,Vi
Golden Harvest	G02K39-D	D	Y	102	AVC,C2,Vi,Va
Golden Harvest	G99A37-DV	DV	Y	99	AVC,C2,Vi,Va
Integra	4993 TRERIB	TRE	N	99	AC,P5V
Integra	5052 VT2PRIB	VT2P	Y	100	AC,P5V,SU+Zn
Integra	5280 VT2PRIB	VT2P	Y	102	AC,P5V,SU+Zn
Legacy	LC-4248 SS	STX	Y	100	AC,P5V
Legacy	LC511-21	STX	Y	101	AC,P5V
Legacy	LC-5217 SS	STX	Y	102	AC,P5V
Legacy	LC-5319	STX	Y	103	AC,P5V
M & W Seeds	45V21	VT2P	Y	103	Ti
M & W Seeds	46T29	VT2P	Y	99	Ti
M & W Seeds	MW 103A VT2P	VT2P	Y	103	Ti
M & W Seeds	MW 97A VT2P	VT2P	Y	97	Ti
M & W Seeds	MW 98A TRE	TRE	Y	98	Ti
NK Brand	NK0007-AA	AA	Y	100	AVC,C2,Vi,Va
NK Brand	NK9922-DV	DV	Y	99	AVC,C2,Vi,Va
NK Brand	NK9991-D	D	Y	99	AVC,C2,Vi,Va
Partners Brand	PB7250 GC	DV	Y	102	AC,P2,St
Pioneer	P0035AM CK	AM	Y	100	Lum, L1
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK597SSPRO	STXP	N	99	AC,P5V
Renk	RK600VT2P	VT2P	N	100	AC,P2
Renk	RK615SSTX	STX	Y	102	AC,P5V
Rob-See-Co	D01-90	VT2P	Y	101	AC,P2,Sb
Rob-See-Co	D98-43	TRE	Y	98	AC,P2,Sb
Rob-See-Co	D99-08	VT2P	Y	99	AC,P2,Sb
Rob-See-Co	RC5134-PCE	PC	N	101	AC,P2,Sb
Specialty	27D728	VT2P	Y	97	AC,P2V
Specialty	30DT192	TRE	Y	100	AC,P5V,EDC-B

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Specialty	33D552	VT2P	Y	103	AC,P5V,EDC-B
Wyckoff	2170 TRE RIB	TRE	Y	98	AC,P2
Wyckoff	2180 SS RIB	STX	Y	98	AC,P5V
Wyckoff	2210 SS RIB	STX	Y	102	AC,P5V,EDC-B
Wyckoff	2250 VT2P RIB	VT2P	Y	101	AC,P2
Wyckoff	2300 DGV2P RIB	VT2PDG	Y	103	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.

2022 Corn - Michigan South [MISO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A3655 VT2P	VT2P	N	104	AC250
Augusta	A4759-3111	3111	N	109	CM,C2,Vi
Dairyland	DS-4510Q	QR	Y	105	Lum, L1
Dairyland	DS-4567Q	QR	Y	105	Lum, L1
Dyna-Gro	D44DC73RIB	VT2PDG	Y	104	AC,P5V
Dyna-Gro	D47SS93	STX	N	107	AC,P5
FS InVision	FS 5525VDG RIB	VT2P	Y	105	AC,P2
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V
FS InVision	FS 5725X RIB	STX	Y	107	AC,P5V
Golden Harvest	G04S19-AT	AT	Y	104	AVC,C2,Vi,Va
Golden Harvest	G07G73-D	D	Y	107	AVC,C2,Vi,Va
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V
Integra	5533 STXRIB	STX	N	105	Treated
Integra	5719 VT2PRIB	VT2P	Y	107	AC,P5V,SU+Zn
Legacy	LC541-22	STX	Y	104	AC,P5V
Legacy	LC554-21	VT2PDG	N	105	AC,P5V
Legacy	LC564-20	PC,E	N	106	CM,C2,Vi
M & W Seeds	44V42	VT2P	Y	107	Ti
M & W Seeds	44V74	DV	Y	105	Ti
M & W Seeds	44V83	V	Y	107	Ti
NK Brand	NK0696-D	D	Y	106	AVC,C2,Vi,Va
Pioneer	P0035AM CK	AM	Y	100	Lum, L1
Pioneer	P0720Q GC	QR	Y	107	Lum
Renk	RK625DGV2P	VT2PDG	N	104	AC,P2
Renk	RK710DGV2P	VT2PDG	Y	107	AC,P2
Renk	RK715SSTX	STX	Y	105	AC,P5V
Rob-See-Co	D05-16	VT2P	Y	105	AC,P2,Sb
Rob-See-Co	RC5768-VT2P	VT2P	Y	107	AC,P2,Sb
Specialty	34D651	VT2P	Y	104	AC,P5V,EDC-B
Specialty	36D260	VT2P	Y	106	AC,P5V,EDC-B
Specialty	37D832	VT2P	Y	107	AC,P5V,EDC-B
Wyckoff	2335 SS RIB	STX	Y	104	AC,P5V
Wyckoff	2440 SS RIB	STX	Y	106	AC,P5V
Wyckoff	2483 VT2P RIB	VT2P	Y	105	AC,P2
Wyckoff	2515 VT2P RIB	VT2P	Y	107	CM,C2,Vi
Wyckoff	2582 VT2P RIB	VT2P	Y	107	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.

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 (Vip,CB,RW,LL,GT)
AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
AT	Agrisure® Total (CB,HXX,RW,LL,GT), formerly Agrisure® 3122
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
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
STXP	SmartStax® Pro
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	VT Double PRO® DroughtGard®

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

Corn Seed Treatments*

NA	Not Available
AC250	Acceleron® 250
AC,P2	Acceleron® 250
AC,P2,Sb	Acceleron® 250, SabrEx Inoculant
AC,P2,St	Acceleron® 250, Stamina
AC,P2V	Acceleron® Poncho 250/Votivo
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
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
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	(2022) LumiGEN, Lumisure 1250
Ti	Titan Corn 250 (M & W Seeds)
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.