

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

2022 Corn Grain Top 30 Harvest Report

Michigan South [MISO] READING, MI
Tom Schroeder, Hillsdale County, MI 49274

Early-Season Test	97 - 103 Day CRM B2022MISO02a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Roundup, Xtendimax
SOIL DESCRIPTION:	Boyer, Spinks loamy sand, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, high K, 6.6 pH, 3.2% OM, 11.3 CEC
PEST MANAGEMENT:	Degree Extra, Callisto
FERTILITY - Applied N:	26 Fall, 54 Spring, 105 Sidedress, 3.5 lbs/acre applied over plot
Applied N-P-K (units):	185-66-105
SEEDED - RATE - ROW:	May 17 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 4 32.7 /A

TEST COMMENTS:

This location started well with a mid-May planting date with good rains early to achieve lots of early season growth. The plot experienced some dry weather during pollination that affected the late test more than the early trial. Some variations in water-holding abilities in the soils also affected the late test which led to some yield differences. Good plot showing some variability due to weather.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 4927T RIB ↗	TRE	99	273.5	17.1	1	32.1	1828	1
Specialty	27D728 ↗	VT2P	97	270.6	17.1	1	32.5	1810	2
Dyna-Gro	D43VC81RIB ↗	VT2P	103	269.9	18.4	1	33.5	1791	3
Dairyland	DS-4018AM ↗	AM	101	268.4	17.5	1	33.2	1790	4
FS InVision	FS 5098V RIB ↗	VT2P	100	268.0	17.6	1	31.8	1786	5
Wyckoff	2250 VT2P RIB ↗	VT2P	101	267.8	17.5	1	33.5	1786	6
Wyckoff	2300 DGVT2P RIB ↗	VT2PDG	103	267.3	17.6	1	32.5	1782	7
Dairyland	DS-4219AM ↗	AM	102	266.9	17.9	1	33.5	1776	8
Renk	RK615SSTX ↗	STX	102	265.7	17.7	1	32.8	1770	11
Rob-See-Co	D98-43 ↗	TRE	98	265.5	17.5	1	33.0	1771	9
Rob-See-Co	D99-08 ↗	VT2P	99	265.1	17.2	1	32.1	1771	10
Legacy	LC-4248 SS ↗	STX	100	265.0	18.1	1	32.5	1761	12
Specialty	30DT192 ↗	TRE	100	264.4	17.7	1	33.2	1761	13
Golden Harvest	G99A37-DV ↗	DV	99	264.3	18.1	1	33.2	1757	14
Legacy	LC511-21 ↗	STX	101	264.2	18.0	1	33.2	1757	15
Integra	5280 VT2PRIB ↗	VT2P	102	262.8	17.6	1	33.2	1752	17
FS InVision	FS 5115X RIB ↗	STX	101	262.6	17.9	1	32.5	1748	18
Renk	RK600VT2P ↗	VT2P	100	262.2	17.0	1	33.2	1755	16
FS InVision	FS 4715V RIB ↗	VT2P	97	260.6	17.1	1	32.5	1743	20
Rob-See-Co	D01-90 ↗	VT2P	101	260.3	16.9	1	33.2	1742	21
Renk	RK597SSPRO ↗	STXP	99	259.3	17.1	1	32.8	1733	22
M & W Seeds	MW 103A VT2P ↗	VT2P	103	258.9	18.2	1	31.4	1720	25
Wyckoff	2170 TRE RIB ↗	TRE	98	257.7	17.0	1	33.2	1725	23
Renk	RK579DGVT2P ↗	VT2PDG	99	257.6	17.1	1	33.2	1722	24
Legacy	LC-5217 SS ↗	STX	102	257.3	18.1	1	33.5	1711	27
Augusta	A2150-5222-EZ ↗	DV	100	257.2	19.0	1	32.5	1700	30
Dairyland	DS-3900AM ↗	AM	99	257.1	17.5	1	32.8	1715	26
Legacy	LC-5319 ↗	STX	103	256.6	18.3	1	33.5	1703	29
NK Brand	NK9922-DV ↗	DV	99	256.3	17.9	1	33.5	1705	28
M & W Seeds	45V21 ↗	VT2P	103	253.7	16.8	1	32.1	1699	31
PIONEER	P0035AM CK	AM	100	263.0	18.2	1	33.2	1746	19
				Averages =	257.2	17.6	1	32.7	1715
				LSD (0.10) =	12.8	0.5	ns		
				LSD (0.25) =	6.7	0.3	ns		
				C.V. =	5.5				
				Historic yield: 186.06 bu/a, 17 yr(s)					

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] READING, MI

Tom Schroeder, Hillsdale County, MI 49274

Full-Season Test	104 - 107 Day CRM B2022MISO02b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Roundup, Xtendimax
SOIL DESCRIPTION:	Boyer, Spinks loamy sand, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, high K, 6.6 pH, 3.2% OM, 11.3 CEC
PEST MANAGEMENT:	Degree Extra, Callisto
FERTILITY - Applied N:	26 Fall, 54 Spring, 105 Sidedress, 3.5 lbs/acre applied over plot
Applied N-P-K (units):	185-66-105
SEEDED - RATE - ROW:	May 17 33.6 /A 30" spacing
HARVESTED - STAND:	Nov 4 32.5 /A

TEST COMMENTS:

This location started well with a mid-May planting date with good rains early to achieve lots of early season growth. The plot experienced some dry weather during pollination that affected the late test more than the early trial. Some variations in water-holding abilities in the soils also affected the late test which led to some yield differences. Good plot showing some variability due to weather.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Renk	RK710DGV2P ↗	VT2PDG	107	252.3	18.9	1	32.8	1668	1	
Rob-See-Co	D05-16 ↗	VT2P	105	250.5	19.2	1	32.8	1654	2	
Renk	RK715SSTX ↗	STX	105	249.2	19.4	1	32.1	1643	3	
Wyckoff	2483 VT2P RIB ↗	VT2P	105	245.2	18.1	1	31.8	1630	4	
Wyckoff	2582 VT2P RIB ↗	VT2P	107	241.7	19.5	1	32.5	1593	5	
FS InVision	FS 5525VDG RIB ↗	VT2P	105	239.9	18.4	1	33.5	1592	6	
M & W Seeds	44V42 ↗	VT2P	107	239.5	19.2	1	33.2	1582	7	
Integra	5719 VT2PRIB ↗	VT2P	107	234.3	19.4	1	32.8	1545	9	
Specialty	34D651 ↗	VT2P	104	233.4	18.7	1	32.8	1546	8	
Integra	5533 STXRIB ↗	STX	105	232.3	19.5	1	31.4	1531	10	
FS InVision	FS 5594X RIB ↗	STX	105	229.1	19.1	2	33.2	1514	12	
Integra	5443 DGV2PRIB ↗	VT2PDG	104	228.9	18.5	1	31.8	1518	11	
Specialty	37D832 ↗	VT2P	107	227.3	20.2	1	31.1	1492	15	
Legacy	LC541-22 ↗	STX	104	227.1	19.5	1	32.5	1496	14	
Wyckoff	2335 SS RIB ↗	STX	104	226.9	18.4	1	33.2	1506	13	
Dyna-Gro	D47SS93 ↗	STX	107	226.7	19.7	1	32.1	1492	16	
Wyckoff	2515 VT2P RIB ↗	VT2P	107	224.3	19.6	1	33.5	1477	18	
Augusta	A4759-3111 ↗	3111	109	224.0	19.6	1	33.2	1475	19	
Golden Harvest	G07G73-D ↗	D	107	224.0	20.0	1	33.2	1471	20	
Legacy	LC554-21 ↗	VT2PDG	105	223.1	18.0	2	32.5	1483	17	
FS InVision	FS 5725X RIB ↗	STX	107	222.8	19.4	1	32.8	1470	21	
Rob-See-Co	RC5768-VT2P ↗	VT2P	107	222.3	19.7	1	31.4	1463	22	
Dairyland	DS-4567Q ↗	QR	105	221.9	19.8	1	33.5	1460	23	
M & W Seeds	44V74 ↗	DV	105	220.4	19.1	1	32.5	1455	25	
Dyna-Gro	D44DC73RIB ↗	VT2PDG	104	218.4	18.6	1	31.8	1446	26	
Specialty	36D260 ↗	VT2P	106	217.7	19.7	1	30.7	1433	28	
NK Brand	NK0696-D ↗	D	106	217.2	19.5	1	32.5	1431	29	
Renk	RK625DGV2P ↗	VT2PDG	104	216.0	18.1	1	33.5	1436	27	
Pioneer	P0720Q GC ↗	QR	107	215.1	20.8	1	33.2	1406	31	
Augusta	A3655 VT2P ↗	VT2P	104	212.1	18.2	2	33.2	1409	30	
PIONEER	P0035AM CK	AM	100	220.2	18.5	1	32.5	1460	24	
				Averages =	225.3	19.2	2	32.5	1488	
				LSD (0.10) =	18.2	0.6	7			
				LSD (0.25) =	9.6	0.3	4			
				C.V. =	8.9					
				Historic yield: 186.06 bu/a, 17 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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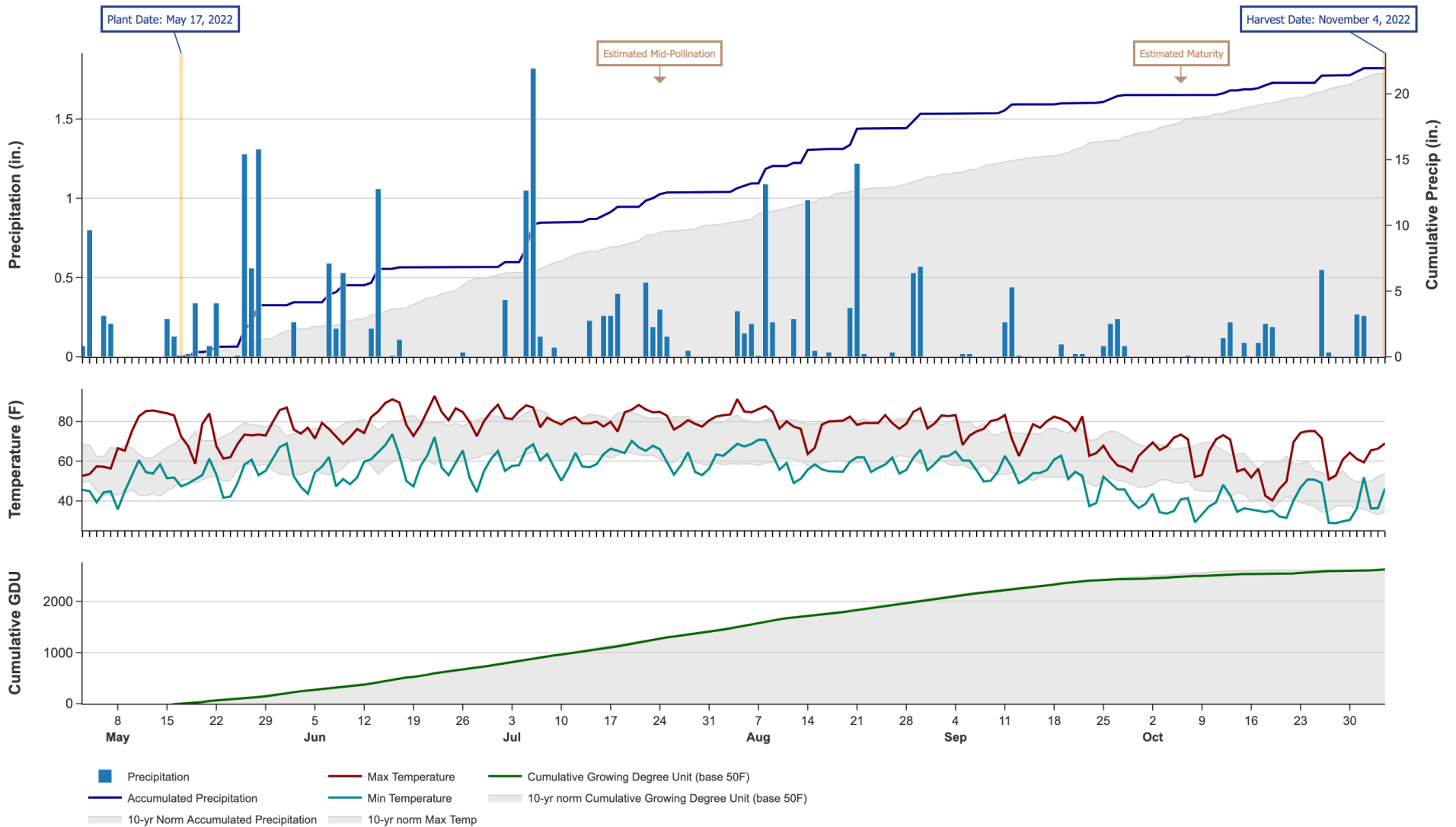
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2022 Corn - Michigan South [MISO]

Weather Conditions Summary at READING, MI

Weather Data Retrieved: 11/06/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	5.6 3.6 (+2.0)	2.9 4.3 (-1.4)	5.7 3.9 (+1.8)	6.0 3.7 (+2.3)	1.4 3.4 (-1.9)	1.8 4.0 (-2.2)	0.3 0.6 (-0.3)	23.7 23.4 (+0.3)
GDU Normal (Diff)	356 319 (+36)	557 554 (+2)	656 681 (-25)	622 614 (+7)	412 430 (-18)	158 132 (+25)	31 0 (+31)	2792 2733 (+58)



* 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.