

Test by: NewVenture, LLC Ellendale, MN

2021 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] LESTER PRAIRIE, MN
Nathan Ide, McLeod County, MN 55354

Early-Season Test	93 - 98 Day CRM B2021MNWC01a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, 2+ Yr / Force, Harness, Surestart, Callisto
SOIL DESCRIPTION:	Lester- Le Sueur, Canisto- Glencoe Loam loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, high P, high K, 6.3 pH, 3.3% OM, 19.4 CEC
PEST MANAGEMENT:	Force, Harness, Surestart, Callisto
FERTILITY - Applied N:	180 Spring, 10 lbs of sulfur was also applied
Applied N-P-K (units):	180-46-180
SEDED - RATE - ROW:	Apr 30 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 33.0 /A

TEST COMMENTS:

This was the first plot that we planted in the spring. It had excellent planting conditions. Nate noted that the site was very short on moisture up until around the V5 stage. After that, the site received about a half-inch of rain per week. The lodging was minimal but Nate also noted that the corn rootworm beetles were easy to find in the surrounding field.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Titan Pro	11-98 2P ↗	VT2P	98	236.6	17.1	1	33.4	1289	1	
Titan Pro	86-96 2P ↗	VT2P	96	231.7	16.8	0	33.4	1264	2	
Hefty	H4842 RIB ↗	VT2P	98	230.6	17.2	2	34.8	1255	3	
Titan Pro	82-95 2P ↗	VT2P	95	229.3	17.0	0	33.4	1250	4	
Gold Country	97-14R2P ↗	VT2P	97	228.7	17.0	0	33.4	1246	5	
Integra	4702 VT2PRIB ↗	VT2P	97	228.1	17.0	0	31.9	1243	6	
Renk	RK485DGV2P ↗	VT2PDG	94	225.4	16.7	9	34.3	1230	7	
Gold Country	95-03R2P ↗	VT2P	95	225.1	17.1	0	31.9	1227	8	
Proseed	2196 VT2PRIB ↗	VT2P	96	223.6	17.0	0	32.9	1219	9	
Integra	4509 VT2PRIB ↗	VT2P	95	222.0	17.2	0	33.8	1209	10	
Latham	LH 4517 VT2P RIB ↗	VT2P	95	219.8	16.6	2	32.9	1200	11	
Enestvedt	E658DP RIB ↗	VT2P	96	219.5	16.8	0	31.2	1197	12	
Dairyland	DS-3550AM ↗	AM	95	219.0	17.1	0	32.4	1193	13	
Thunder	T6294 VT2P ↗	VT2P	94	217.0	17.1	1	32.9	1182	14	
Federal	4880 VT2PRIB ↗	VT2P	98	216.9	17.0	0	33.4	1182	15	
Dahlman	R49-25VT2PRIB ↗	VT2P	98	216.0	16.9	0	33.4	1178	16	
Renk	RK429-3220A ↗	3220A	93	215.6	17.2	0	32.4	1174	17	
Latham	LH 4454 VT2P RIB ↗	VT2P	94	214.3	17.0	0	33.9	1168	20	
Federal	4820 VT2P ↗	VT2P	98	214.2	16.6	2	33.9	1169	19	
Latham	LH 4375 VT2P RIB ↗	VT2P	93	213.9	16.2	0	32.9	1170	18	
Dairyland	DS-3715AM ↗	AM	97	213.7	17.1	0	34.3	1164	21	
Dairyland	DS-3727AM ↗	AM	97	213.0	17.1	0	30.5	1160	22	
DeKalb	DKC48-95RIB GC ↗	VT2P	98	212.4	16.9	0	33.4	1158	23	
Thunder	T6298 VT2P ↗	VT2P	98	212.2	16.8	2	33.4	1158	24	
Dyna-Gro	D37VC64 ↗	VT2P	97	211.4	17.1	0	34.3	1152	27	
Renk	RK561VT2P ↗	VT2P	96	211.4	16.9	0	31.4	1153	25	
Thunder	T6996 VT2P ↗	VT2P	96	211.1	16.6	0	33.4	1153	26	
Renk	RK590VT2P ↗	VT2P	98	211.0	16.9	0	32.9	1150	29	
Proseed	1998 VT2PRIB ↗	VT2P	98	210.9	16.8	0	30.0	1151	28	
Gold Country	94-44RSS ↗	STX	94	210.7	16.7	0	32.9	1150	30	
Pioneer	P0075Q CK	QR	100	192.5	17.9	0	33.4	1045	47	
				Averages =	212.4	16.9	1	33.0	1158	
				LSD (0.10) =	16.0	0.4	ns			
				LSD (0.25) =	8.4	0.2	ns			
				C.V. =	7.1					
Ed Dahle				Historic yield: 193.92 bu/a, 8 yr(s)						
ed.dahle@firstseedtests.com, (507) 456-6624										

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.50

Report Date: 10/09/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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Nathan Ide, McLeod County, MN 55354

Full-Season Test	99 - 102 Day CRM B2021MNWC01b
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PEST MANAGEMENT:	Force, Harness, Surestart, Callisto
FERTILITY - Applied N:	180 Spring, 10 lbs of sulfur was also applied
Applied N-P-K (units):	180-46-180
SEDED - RATE - ROW:	Apr 30 35.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 33.0 /A

TEST COMMENTS:

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Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Thunder	T6999 VT2P ↗	VT2P	99	234.3	17.5	0	33.9	1274	1	
Dairyland	DS-4018AM ↗	AM	101	228.0	18.5	1	33.9	1234	2	
Dairyland	DS-4000AMXT ↗	AMXT	100	221.1	18.0	0	33.4	1199	3	
Latham	LH 4957 VT2P RIB ↗	VT2P	99	219.6	17.1	0	30.5	1196	4	
Renk	RK579DGV2P ↗	VT2PDG	99	218.5	17.9	1	33.9	1186	5	
Latham	LH 4937 VT2P RIB ↗	VT2P	99	216.9	16.9	0	34.3	1182	6	
Dyna-Gro	D43VC81 ↗	VT2P	102	214.3	17.9	0	32.4	1163	7	
Renk	RK600VT2P ↗	VT2P	100	212.8	17.8	2	32.9	1155	8	
Hefty	H4922 RIB ↗	VT2P	99	212.3	17.3	3	33.4	1155	9	
Hefty	H4942 RIB ↗	VT2P	99	211.7	17.1	3	31.9	1153	10	
Hefty	H5055 ↗	TRE	100	211.7	17.5	0	32.4	1151	11	
Dairyland	DS-4014Q ↗	QR	100	211.6	17.8	0	33.8	1149	12	
NK Brand	NK0243-5122 EZR ↗	5122	102	210.7	18.6	0	32.4	1140	13	
Latham	LH 5159 SS RIB ↗	STX	101	210.1	18.0	0	31.4	1140	14	
Latham	LH 5049 SS RIB ↗	STX	100	208.7	17.5	0	32.4	1135	15	
Gold Country	99-01R2P ↗	VT2P	99	206.9	17.3	0	33.8	1126	16	
Enestvedt	E600DP RIB ↗	VT2P	99	206.0	16.7	0	33.8	1124	18	
Federal	5120 STX ↗	STX	101	206.0	18.4	0	33.9	1116	19	
Dairyland	DS-3959Q ↗	QR	99	205.5	17.9	0	34.3	1116	20	
Dyna-Gro	D40VC41 ↗	VT2P	100	204.5	17.0	4	33.8	1115	21	
Enestvedt	E699DP RIB ↗	VT2P	99	204.2	17.1	3	34.3	1113	22	
Integra	5280 VT2PRIB ↗	VT2P	102	203.6	17.9	0	33.4	1105	23	
Hefty	H4933 RIB ↗	VT2PDG	99	202.6	17.3	0	31.5	1102	24	
Integra	5052 STXRIB ↗	STX	100	200.0	17.9	0	31.9	1086	26	
Titan Pro	92-99 2P ↗	VT2P	99	199.8	17.3	1	33.9	1088	25	
Thunder	T8100 SS ↗	STX	100	199.0	17.8	0	33.9	1081	27	
Titan Pro	22-00 2P ↗	VT2P	100	198.2	17.9	0	33.4	1076	29	
Hefty	H5132 RIB ↗	VT2P	101	197.9	17.1	1	34.3	1078	28	
Gold Country	102-07RSS ↗	STX	102	197.6	18.5	0	31.0	1070	30	
Dahlman	R50-25VT2PRIB ↗	VT2P	100	196.7	17.5	3	33.9	1069	31	
Pioneer	P0075Q CK	QR	100	207.5	18.2	0	33.9	1125	17	
				Averages =	200.5	17.8	1	33.0	1090	
				LSD (0.10) =	14.9	0.4	ns			
				LSD (0.25) =	7.8	0.2	ns			
				C.V. =	7.0					
Ed Dahle				Historic yield: 193.92 bu/a, 8 yr(s)						
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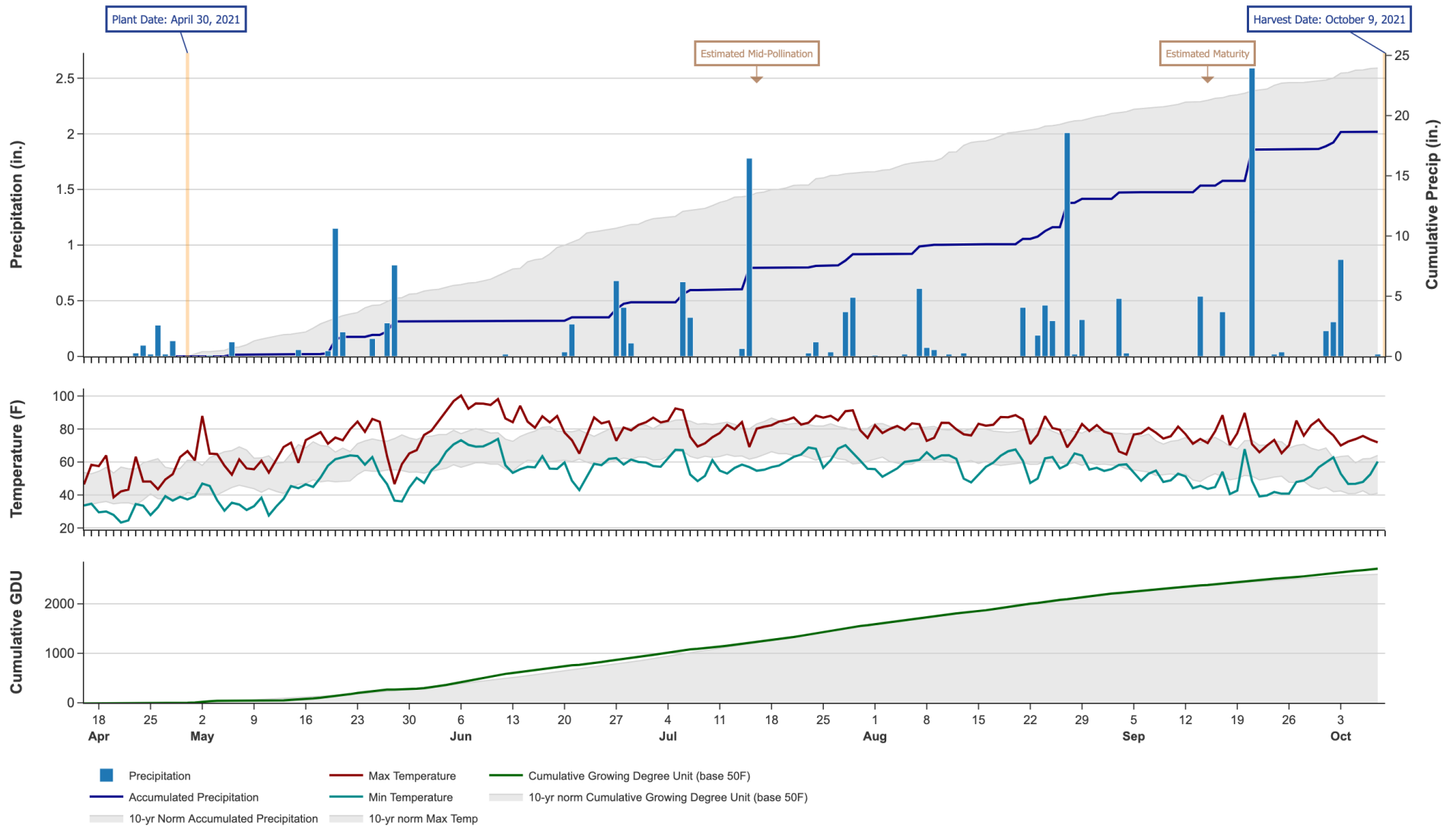
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2021 Corn - Minnesota West Central [MNWC]

Weather Conditions Summary at LESTER PRAIRIE, MN

Weather Data Retrieved: 10/09/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.6 1.9 (-1.3)	2.9 5.2 (-2.3)	1.6 5.8 (-4.2)	4.0 4.4 (-0.4)	4.6 4.6 (0.0)	4.1 3.0 (+1.2)	1.4 1.0 (+0.4)	19.2 25.8 (-6.6)
GDU Normal (Diff)	15 10 (+4)	283 291 (-8)	643 556 (+86)	642 709 (-67)	607 612 (-5)	420 375 (+44)	116 52 (+63)	2726 2608 (+117)



* 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.

2021 Corn - Minnesota West Central [MNWC]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	609R	RR2	N	98	MQ
Anderson	786R	RR2	N	95	MQ
Dahlman	R49-23VT2PRIB	VT2P	Y	98	AC,P2
Dahlman	R49-25VT2PRIB	VT2P	Y	98	AC,P2
Dairyland	DS-3366AM	AM	Y	93	Lum,P1V
Dairyland	DS-3550AM	AM	Y	95	Lum,P1V
Dairyland	DS-3715AM	AM	Y	97	Lum,P1V
Dairyland	DS-3727AM	AM	Y	97	Lum,P1V
DeKalb	DKC48-95RIB GC	VT2P	Y	98	AC,P5,B360
Dyna-Gro	D37VC64	VT2P	N	97	AC,P5V
Enestvedt	E658DP RIB	VT2P	Y	96	AC250
Federal	4820 VT2P	VT2P	N	98	AC,P5V,MAG
Federal	4880 VT2PRIB	VT2P	Y	98	AC,P2,MAG
Gold Country	94-44RSS	STX	N	94	AC,P5,B360
Gold Country	95-03R2P	VT2P	N	95	AC,P5,B360
Gold Country	97-14R2P	VT2P	N	97	AC,P5,B360
Gold Country	98-11R2P	VT2P	Y	98	AC,P5,B360
Golden Harvest	G95M41-5122 EZR	5122	Y	95	AVC,C2,Vi
Golden Harvest	G96R61-5222 EZR	5222	Y	96	AVC,C2,Vi
Hefty	H4322 RIB	VT2P	Y	93	HC
Hefty	H4332 RIB	VT2P	Y	93	HC
Hefty	H4522 RIB	VT2P	Y	95	HC
Hefty	H4732	VT2P	N	97	HC
Hefty	H4842 RIB	VT2P	Y	98	HC
Integra	4311 VT2PRIB	VT2P	Y	93	AC,P5V,SU
Integra	4509 VT2PRIB	VT2P	Y	95	AC,P2,SU
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,EDC-B
Latham	LH 4375 VT2P RIB	VT2P	Y	93	AC,P2
Latham	LH 4454 VT2P RIB	VT2P	Y	94	AC,P2
Latham	LH 4517 VT2P RIB	VT2P	Y	95	AC,P2
Latham	LH 4657 VT2P RIB	VT2P	Y	96	AC,P2
Latham	LH 4669 SS RIB	STX	Y	96	AC,P5
NK Brand	NK9653-5222 EZR	5222	Y	96	AVC,C2,Vi
Pioneer	P0075Q CK	QR	Y	100	Lum
Proseed	1998 VT2PRIB	VT2P	Y	98	AVC,C2,Vi
Proseed	2196 VT2PRIB	VT2P	Y	96	AVC,C2,Vi
Renk	RK429-3220A	3220A	N	93	CM,C2
Renk	RK485DGV2P	VT2PDG	N	94	AC,P5V
Renk	RK561VT2P	VT2P	Y	96	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P5V
Renk	RK593VT2PRIB	VT2P	Y	97	AC,P2
Thunder	T6294 VT2P	VT2P	Y	94	AC,P5,B360

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Thunder	T6298 VT2P	VT2P	Y	98	AC,P5,B360
Thunder	T6595 VT2P	VT2P	Y	95	AC,P2
Thunder	T6996 VT2P	VT2P	Y	96	AC,P2
Titan Pro	11-98 2P	VT2P	Y	98	AC,P5
Titan Pro	82-95 2P	VT2P	Y	95	AC,P2
Titan Pro	86-96 2P	VT2P	Y	96	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.

2021 Corn - Minnesota West Central [MNWC]

Full-Season Test Products (46 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A629-12VT2RIB GC	VT2P	Y	99	AC,P5V
AgriGold	A631-90VT2PRO GC	VT2P	N	101	AC,P5V
Augusta	A2150-5222-EZ	5222	Y	100	CM,C2
Channel	199-29 STXRIB GC	STX	Y	99	AC,P5V
Dahlman	R50-25VT2PRIB	VT2P	Y	100	AC,P2
Dairyland	DS-3959Q	QR	Y	99	Lum,P1V
Dairyland	DS-4000AMXT	AMXT	Y*	100	Lum,P1V
Dairyland	DS-4014Q	QR	Y	100	Lum,P1V
Dairyland	DS-4018AM	AM	Y	101	Lum,P1V
Dyna-Gro	D40VC41	VT2P	N	100	AC,P5V
Dyna-Gro	D43VC81	VT2P	N	102	AC,P5V
Enestvedt	E600DP RIB	VT2P	Y	99	AC250
Enestvedt	E699DP RIB	VT2P	Y	99	AC250
Federal	5120 STX	STX	N	101	AC,P5V,MAG
Federal	5280 VT2PRIB	VT2P	Y	102	AC,P2,MAG
Gold Country	101-49RSS	STX	N	101	AC,P5V,B-360
Gold Country	102-07RSS	STX	Y	102	AC,P5V,B-360
Gold Country	99-01R2P	VT2P	N	99	AC,P5,B360
Golden Harvest	G02K39-5122 EZR	5122	Y	102	AVC,C2,Vi
Golden Harvest	G99E68-5122 EZR	5122	Y	99	AVC,C2,Vi
Hefty	H4922 RIB	VT2P	Y	99	HC
Hefty	H4933 RIB	VT2PDG	Y	99	HC
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Hefty	H5132 RIB	VT2P	Y	101	HC
Integra	5052 STXRIB	STX	Y	100	AC,P5V,EDC-B
Integra	5280 VT2PRIB	VT2P	Y	102	AC,P2,SU
Latham	LH 4937 VT2P RIB	VT2P	Y	99	AC,P2
Latham	LH 4957 VT2P RIB	VT2P	Y	99	AC,P5V,EDC-B
Latham	LH 5049 SS RIB	STX	Y	100	AC,P5
Latham	LH 5159 SS RIB	STX	Y	101	AC,P5
Latham	LH 5209 5222-EZ	5222	Y	102	AVC,C5
NK Brand	NK0243-5122 EZR	5122	Y	102	AVC,C2,Vi
NK Brand	NK9930-5122 EZR	5122	Y	99	AVC,C2,Vi
NK Brand	NK9991-5122 EZR	5122	Y	99	AVC,C2,Vi
Pioneer	P0075Q CK	QR	Y	100	Lum
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK600VT2P	VT2P	N	100	AC,P2
Thunder	T6100 VT2P	VT2P	Y	100	AC,P2
Thunder	T6902 VT2P	VT2P	Y	102	CM,C2,Vi
Thunder	T6999 VT2P	VT2P	Y	99	AC,P2
Thunder	T8100 SS	STX	Y	100	AC,P5

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Titan Pro	16-00 5222	5222	Y	100	AVC,C5,Vi
Titan Pro	22-00 2P	VT2P	Y	100	AC,P2
Titan Pro	58-01 2P	VT2P	Y	101	AC,P2
Titan Pro	92-99 2P	VT2P	Y	99	AC,P2

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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

3220A	Agrisure® Artesian® Viptera® 3220 (Vip,CB,HX,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® 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,MAG	Acceleron® 250, Federal ArmourGuard
AC,P2,SU	Acceleron® 250, StepUp
AC,P5	Acceleron® 500
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B-360	Acceleron® Poncho 500/Votivo with B-360 SAT
AC,P5V,EDC-B	Acceleron® BASIC Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,MAG	Acceleron® Poncho 500/Votivo, Federal ArmorGuard
AC,P5V,SU	Acceleron® Poncho 500/Votivo, StepUp
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C5	Avicta® Complete 500
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
MQ	Maxim Quattro

* Seed treatments may include unspecified plant health promoting components.