

Test by: NewVenture, LLC Ellendale, MN

2021 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] BROOTEN, MN

Michael Stamer Farms, Michael Stamer, Pope County, MN 56201

Early-Season Test 93 - 98 Day CRM B2021MNWC02a

Top 30 of 48 For Gross Income (Sorted by Yield) Average of (3) Replications

PREV. CROP/HERB: Soybeans / NA
SOIL DESCRIPTION: Arvilla Sandy Loam sandy loam, well drained, irrigated

SOIL CONDITION: Conventional W/ Fall Till, very high P, very high K, 7.2 pH, 3.3% OM, 17.1 CEC

PEST MANAGEMENT: Laudis, Metallica, Atrazine, Target, Bite

FERTILITY - Applied N: 210 Sidedress

Applied N-P-K (units): 210-0-0

SEEDED - RATE - ROW: May 1 35.0 /A 30" spacing

HARVESTED - STAND: Oct 19 32.8 /A

TEST COMMENTS:

This is an irrigated flat and uniform plot site. The planting conditions were excellent. The corn was very tall and the ears were large and filled to the tips with no signs of disease noted. The corn that was lodged was all laying to the east. I was able to harvest most of the lodged corn but there were a few spots that it was laying pretty flat and made it difficult to get all the ears.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Dairyland	DS-3727AM ↗	AM	97	286.6	18.6	2	32.0	1407	1	
Enestvedt	E658DP RIB ↗	VT2P	96	274.8	17.3	0	31.0	1358	2	
Renk	RK590VT2P ↗	VT2P	98	270.9	17.8	1	31.2	1336	4	
Renk	RK485DGV2P ↗	VT2PDG	94	269.5	16.5	3	33.9	1337	3	
Federal	4880 VT2PRIB ↗	VT2P	98	267.2	16.8	15	31.9	1324	5	
DeKalb	DKC48-95RIB GC ↗	VT2P	98	264.1	17.9	8	32.9	1301	6	
Dahlman	R49-23VT2PRIB ↗	VT2P	98	262.8	17.3	1	33.8	1299	7	
Integra	4702 VT2PRIB ↗	VT2P	97	261.6	16.7	0	31.4	1297	8	
Hefty	H4332 RIB ↗	VT2P	93	256.6	17.2	0	32.9	1269	9	
Proseed	2196 VT2PRIB ↗	VT2P	96	255.1	17.5	0	31.4	1260	10	
Hefty	H4842 RIB ↗	VT2P	98	252.7	17.3	0	32.9	1249	13	
Latham	LH 4669 SS RIB ↗	STX	96	252.5	17.8	0	31.9	1245	15	
Gold Country	95-03R2P ↗	VT2P	95	252.4	16.9	0	31.4	1250	12	
Integra	4509 VT2PRIB ↗	VT2P	95	252.2	16.5	2	30.9	1252	11	
Hefty	H4732 ↗	VT2P	97	252.0	17.1	0	29.0	1247	14	
NK Brand	NK9653-5222 EZR ↗	5222	96	251.4	18.1	6	33.4	1238	18	
Renk	RK561DGV2PRIB ↗	VT2PDG	95	250.8	17.3	0	31.4	1240	16	
Gold Country	98-11R2P ↗	VT2P	98	250.0	16.7	3	32.4	1239	17	
Renk	RK593VT2PRIB ↗	VT2P	97	250.0	16.9	3	31.9	1238	19	
Anderson	786R ↗	RR2	95	247.8	17.1	0	31.9	1226	20	
Federal	4820 VT2P ↗	VT2P	98	247.3	16.7	11	33.4	1226	21	
Dahlman	R49-25VT2PRIB ↗	VT2P	98	246.8	17.7	13	32.9	1218	23	
Latham	LH 4657 VT2P RIB ↗	VT2P	96	246.4	16.7	0	33.4	1222	22	
Thunder	T6298 VT2P ↗	VT2P	98	245.8	17.4	12	33.9	1214	24	
Anderson	609R ↗	RR2	98	245.2	17.1	3	33.4	1213	25	
Dyna-Gro	D37VC64 ↗	VT2P	97	244.7	16.7	10	33.9	1213	26	
Gold Country	97-14R2P ↗	VT2P	97	242.9	16.3	1	33.4	1206	27	
Proseed	1998 VT2PRIB ↗	VT2P	98	241.4	17.0	0	31.4	1195	28	
Dairyland	DS-3715AM ↗	AM	97	240.8	17.0	1	34.8	1192	30	
Renk	RK429-3220A ↗	3220A	93	240.6	16.6	9	34.3	1194	29	
Pioneer	P0075Q CK	QR	100	232.8	18.0	1	34.1	1147	39	
				Averages =	244.5	17.2	7	32.8	1208	
				LSD (0.10) =	22.2	ns	ns			
				LSD (0.25) =	11.6	ns	ns			
				C.V. =	8.6					
Ed Dahle				Historic yield: new site						
ed.dahle@firstseedtests.com, (507) 456-6624										

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.00

Report Date: 10/20/2021

† 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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Test by: NewVenture, LLC Ellendale, MN

2021 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] BROOTEN, MN

Michael Stamer Farms, Michael Stamer, Pope County, MN 56201

Full-Season Test 99 - 102 Day CRM B2021MNWC02b

Top 30 of 46 For Gross Income (Sorted by Yield) Average of (3) Replications

PREV. CROP/HERB: Soybeans / NA
SOIL DESCRIPTION: Arvilla Sandy Loam sandy loam, well drained, irrigated

SOIL CONDITION: Conventional W/ Fall Till, very high P, very high K, 7.2 pH, 3.3% OM, 17.1 CEC

PEST MANAGEMENT: Laudis, Metallica, Atrazine, Target, Bite

FERTILITY - Applied N: 210 Sidedress

Applied N-P-K (units): 210-0-0

SEEDED - RATE - ROW: May 1 35.0 /A 30" spacing

HARVESTED - STAND: Oct 19 32.9 /A

TEST COMMENTS:

This is an irrigated flat and uniform plot site. The planting conditions were excellent. The corn was very tall and the ears were large and filled to the tips with no signs of disease noted. The corn that was lodged was all laying to the east. I was able to harvest most of the lodged corn but there were a few spots that it was laying pretty flat and made it difficult to get all the ears.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G99E68-5122 EZR ↗	5122	99	287.8	18.6	18	34.8	1413	1
Latham	LH 4937 VT2P RIB ↗	VT2P	99	282.7	16.5	31	32.7	1403	2
Thunder	T8100 SS ↗	STX	100	268.3	17.3	0	34.3	1326	3
Dyna-Gro	D43VC81 ↗	VT2P	102	268.2	18.2	3	34.3	1320	4
Thunder	T6999 VT2P ↗	VT2P	99	265.9	17.3	23	33.8	1314	5
Enestvedt	E699DP RIB ↗	VT2P	99	264.8	16.9	8	33.8	1311	6
Federal	5280 VT2PRIB ↗	VT2P	102	261.7	18.6	0	32.9	1285	8
AgriGold	A631-90VT2PRO GC ↗	VT2P	101	261.4	18.5	1	30.5	1284	9
Hefty	H4942 RIB ↗	VT2P	99	260.3	17.2	0	30.0	1287	7
Titan Pro	22-00 2P ↗	VT2P	100	258.5	18.1	0	33.4	1272	10
Enestvedt	E600DP RIB ↗	VT2P	99	255.7	17.5	10	33.4	1263	11
Titan Pro	92-99 2P ↗	VT2P	99	255.2	17.4	10	34.3	1261	12
Gold Country	102-07RSS ↗	STX	102	252.5	18.8	0	33.8	1239	15
Dairyland	DS-3959Q ↗	QR	99	252.5	18.4	0	32.9	1241	13
Channel	199-29 STXRIB GC ↗	STX	99	251.3	18.6	0	34.3	1234	19
Integra	5280 VT2PRIB ↗	VT2P	102	251.1	17.5	0	33.4	1240	14
Dyna-Gro	D40VC41 ↗	VT2P	100	250.6	17.6	6	33.9	1237	16
Thunder	T6902 VT2P ↗	VT2P	102	250.4	17.5	0	31.0	1236	18
Dairyland	DS-4000AMXT ↗	AMXT	100	249.7	17.9	0	31.9	1230	20
Dairyland	DS-4014Q ↗	QR	100	247.8	17.2	0	31.4	1225	21
Hefty	H5055 ↗	TRE	100	246.8	17.3	12	32.9	1220	22
Hefty	H4933 RIB ↗	VT2PDG	99	246.5	17.6	25	34.8	1216	23
NK Brand	NK9991-5122 EZR ↗	5122	99	245.5	18.6	0	32.4	1206	24
Latham	LH 5159 SS RIB ↗	STX	101	244.1	17.8	5	32.7	1203	25
Gold Country	99-01R2P ↗	VT2P	99	243.9	17.9	16	34.8	1202	26
Renk	RK600VT2P ↗	VT2P	100	243.0	17.9	17	31.5	1197	27
NK Brand	NK0243-5122 EZR ↗	5122	102	242.7	18.3	3	31.0	1193	29
Latham	LH 4957 VT2P RIB ↗	VT2P	99	242.0	17.6	0	32.4	1194	28
Hefty	H4922 RIB ↗	VT2P	99	240.7	17.0	18	32.9	1191	30
Federal	5120 STX ↗	STX	101	240.3	18.2	3	33.8	1182	31
Pioneer	P0075Q CK	QR	100	250.5	17.5	4	33.4	1237	17

Averages = **244.7** **18.0** **10** **32.9** **1209**

LSD (0.10) = 21.0 0.8 ns

LSD (0.25) = 11.0 0.4 ns

C.V. = 8.1

Historic yield: new site

Ed Dahle

ed.dahle@firstseedtests.com, (507) 456-6624

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.00

Report Date: 10/20/2021

† 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

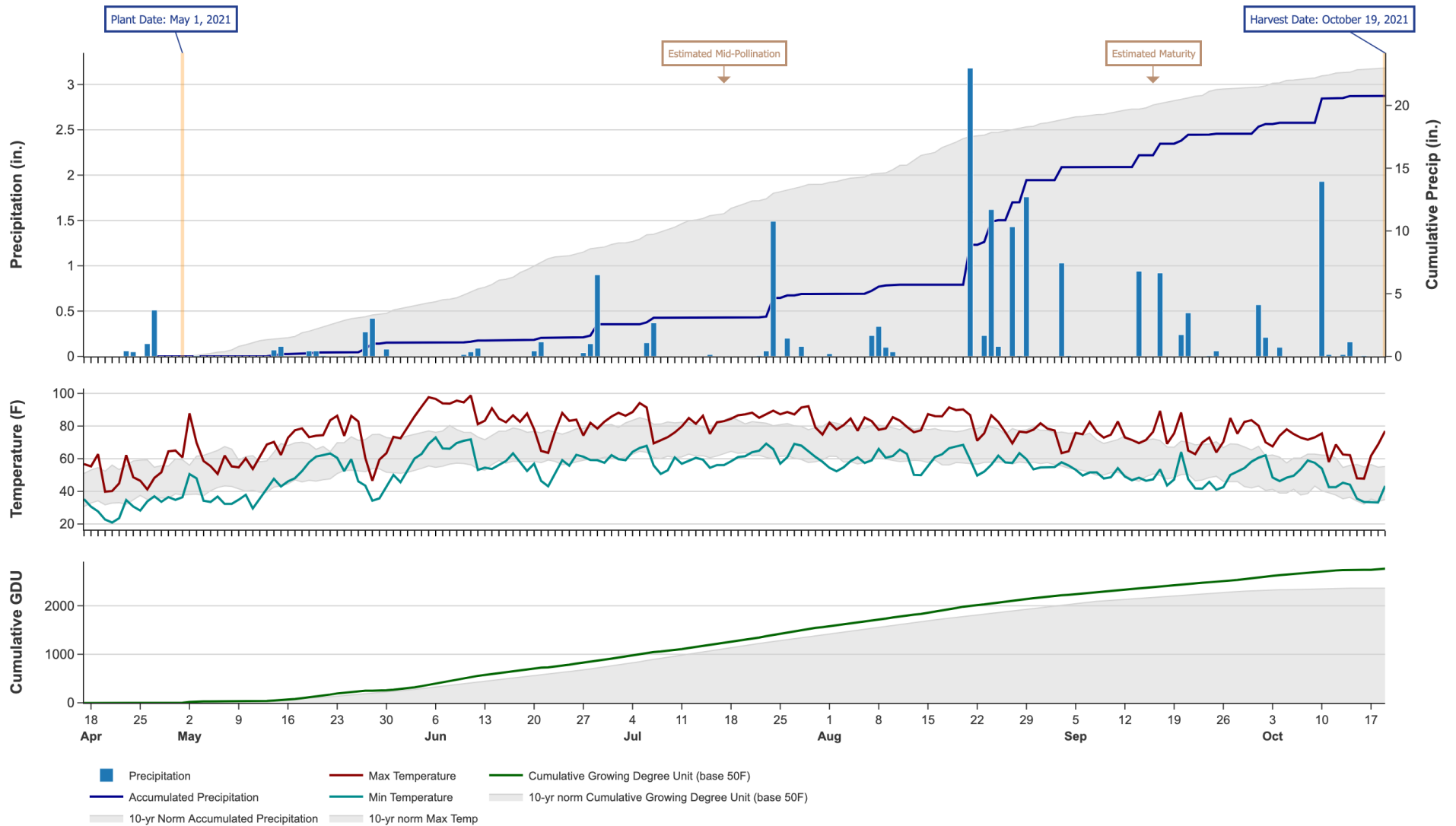
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2021 Corn - Minnesota West Central [MNWC]

Weather Conditions Summary at BROOTEN, MN

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.8 1.4 (-0.6)	1.1 3.8 (-2.7)	1.5 5.0 (-3.6)	2.4 5.0 (-2.6)	9.1 4.8 (+4.2)	3.7 2.9 (+0.8)	3.0 1.6 (+1.5)	21.5 24.4 (-2.9)
GDU Normal (Diff)	7 0 (+7)	269 237 (+31)	618 499 (+118)	674 664 (+9)	613 572 (+40)	400 335 (+64)	191 51 (+139)	2772 2360 (+411)



* 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	RK561DGV2PRIB	VT2PDG	Y	95	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

* 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

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.