

Test by: NewVenture, LLC Ellendale, MN

## 2021 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] CLINTON, MN  
Doug Nelson, Big Stone County, MN 56225

<b>Early-Season Test</b>	93 - 98 Day CRM B2021MNWC03a
<b>Top 30 of 48</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Enlist
<b>SOIL DESCRIPTION:</b>	Fram-Vallers-Parnell Complex loam, mod. poorly drained, non- irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, very high P, medium K, 7.2 pH, 3.6% OM, 24.3 CEC
<b>PEST MANAGEMENT:</b>	Force, Callisto, Surestart, Roundup
<b>FERTILITY - Applied N:</b>	150 Spring
<b>Applied N-P-K (units):</b>	150-50-30
<b>SEEDED - RATE - ROW:</b>	May 1 35.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 19 32.8 /A

### TEST COMMENTS:

Doug said that this site received 4" of rain prior to planting. He thinks that the roots just started to go down to find moisture during the dry growing season. He was very happy with the yield for this year. The lodging that was noted was all stalk lodging, and the corn was all laying in the same direction. No significant diseases were noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Titan Pro	82-95 2P ↗	VT2P	95	<b>245.4</b>	15.9	0	34.3	1221	1	
Dairyland	DS-3727AM ↗	AM	97	<b>244.6</b>	15.6	0	33.4	1219	3	
Renk	RK429-3220A ↗	3220A	93	<b>244.4</b>	15.4	5	33.4	1220	2	
Dyna-Gro	D37VC64 ↗	VT2P	97	<b>240.6</b>	14.6	0	32.0	1203	4	
Integra	4311 VT2PRIB ↗	VT2P	93	<b>239.1</b>	15.4	0	33.9	1193	5	
Latham	LH 4375 VT2P RIB ↗	VT2P	93	<b>237.0</b>	14.9	0	33.9	1185	6	
Gold Country	97-14R2P ↗	VT2P	97	<b>236.4</b>	15.3	0	33.4	1180	7	
Renk	RK593VT2PRIB ↗	VT2P	97	<b>235.7</b>	15.6	18	31.4	1175	9	
DeKalb	DKC48-95RIB GC ↗	VT2P	98	<b>235.4</b>	15.2	0	31.9	1176	8	
Thunder	T6298 VT2P ↗	VT2P	98	234.6	14.5	5	31.4	1173	10	
Titan Pro	11-98 2P ↗	VT2P	98	234.0	15.4	0	33.9	1168	11	
Renk	RK561DGVT2PRIB ↗	VT2PDG	95	232.7	16.1	0	32.9	1157	13	
Hefty	H4732 ↗	VT2P	97	232.0	15.3	0	31.5	1158	12	
Latham	LH 4454 VT2P RIB ↗	VT2P	94	231.8	15.3	0	33.4	1157	14	
Renk	RK590VT2P ↗	VT2P	98	229.4	15.7	0	34.1	1142	15	
Thunder	T6996 VT2P ↗	VT2P	96	227.4	15.7	0	34.3	1133	17	
Enestvedt	E658DP RIB ↗	VT2P	96	227.1	14.9	0	33.4	1136	16	
Dahlman	R49-23VT2PRIB ↗	VT2P	98	226.3	15.6	0	32.4	1128	18	
Latham	LH 4657 VT2P RIB ↗	VT2P	96	225.6	16.2	0	34.3	1121	19	
Gold Country	94-44RSS ↗	STX	94	223.5	15.1	0	32.4	1117	20	
Hefty	H4332 RIB ↗	VT2P	93	221.9	14.8	0	33.8	1110	21	
Dairyland	DS-3550AM ↗	AM	95	221.5	15.4	0	30.5	1105	22	
Anderson	786R ↗	RR2	95	220.6	15.4	1	33.4	1101	23	
Titan Pro	86-96 2P ↗	VT2P	96	220.4	15.5	0	32.9	1099	25	
Dairyland	DS-3366AM ↗	AM	93	220.1	15.2	0	33.9	1100	24	
Gold Country	95-03R2P ↗	VT2P	95	220.0	15.4	0	30.5	1098	26	
Proseed	2196 VT2PRIB ↗	VT2P	96	219.1	15.3	0	31.9	1094	27	
Federal	4880 VT2PRIB ↗	VT2P	98	216.7	15.1	0	31.9	1083	28	
Proseed	1998 VT2PRIB ↗	VT2P	98	216.6	15.3	0	31.9	1081	29	
Thunder	T6294 VT2P ↗	VT2P	94	216.2	15.0	16	34.3	1081	30	
Pioneer	P0075Q CK	QR	100	216.4	16.9	17	34.8	1072	36	
				<b>Averages =</b>	<b>221.4</b>	<b>15.4</b>	<b>3</b>	<b>32.8</b>	<b>1106</b>	
				<b>LSD (0.10) =</b>	13.4	0.4	7			
				<b>LSD (0.25) =</b>	7.0	0.2	4			
				<b>C.V. =</b>	5.7					
										Historic yield: 196.53 bu/a, 15 yr(s)

Ed Dahle

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### 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] CLINTON, MN  
Doug Nelson, Big Stone County, MN 56225

<b>Full-Season Test</b>	99 - 102 Day CRM B2021MNWC03b
<b>Top 30 of 46</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Enlist
<b>SOIL DESCRIPTION:</b>	Fram-Vallers-Parnell Complex loam, mod. poorly drained, non- irrigated
<b>SOIL CONDITION:</b>	Conventional W/ Fall Till, very high P, medium K, 7.2 pH, 3.6% OM, 24.3 CEC
<b>PEST MANAGEMENT:</b>	Force, Callisto, Surestart, Roundup
<b>FERTILITY - Applied N:</b>	150 Spring
<b>Applied N-P-K (units):</b>	150-50-30
<b>SEEDED - RATE - ROW:</b>	May 1 35.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 19 33.0 /A

### TEST COMMENTS:

Doug said that this site received 4" of rain prior to planting. He thinks that the roots just started to go down to find moisture during the dry growing season. He was very happy with the yield for this year. The lodging that was noted was all stalk lodging, and the corn was all laying in the same direction. No significant diseases were noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Channel	199-29 STXRIB GC ↗	STX	99	<b>239.9</b>	15.5	0	33.4	1197	1	
Dyna-Gro	D40VC41 ↗	VT2P	100	<b>238.5</b>	15.3	0	34.3	1191	2	
Thunder	T6999 VT2P ↗	VT2P	99	<b>237.6</b>	14.9	4	33.8	1188	3	
Titan Pro	22-00 2P ↗	VT2P	100	<b>236.5</b>	16.3	0	32.4	1175	5	
Hefty	H5055 ↗	TRE	100	<b>236.2</b>	16.2	0	32.4	1174	6	
Renk	RK579DGV2P ↗	VT2PDG	99	<b>236.1</b>	15.2	1	32.4	1179	4	
Gold Country	99-01R2P ↗	VT2P	99	232.5	16.0	1	31.4	1157	7	
AgriGold	A631-90VT2PRO GC ↗	VT2P	101	229.4	17.1	0	31.9	1135	9	
Hefty	H4922 RIB ↗	VT2P	99	228.4	14.9	3	34.3	1142	8	
Gold Country	101-49RSS ↗	STX	101	228.4	16.2	0	34.8	1135	10	
Gold Country	102-07RSS ↗	STX	102	227.3	16.8	0	31.9	1126	11	
Latham	LH 4937 VT2P RIB ↗	VT2P	99	225.6	15.3	3	34.3	1126	13	
Hefty	H4933 RIB ↗	VT2PDG	99	225.6	15.3	0	30.0	1126	14	
Enestvedt	E699DP RIB ↗	VT2P	99	225.1	15.4	3	33.8	1123	15	
Dairyland	DS-4014Q ↗	QR	100	224.8	16.2	0	31.4	1117	16	
Federal	5280 VT2PRIB ↗	VT2P	102	224.4	16.4	1	32.9	1114	17	
Titan Pro	92-99 2P ↗	VT2P	99	223.0	15.1	9	33.9	1114	18	
Hefty	H4942 RIB ↗	VT2P	99	223.0	15.6	0	33.9	1112	19	
Golden Harvest	G99E68-5122 EZR ↗	5122	99	221.7	16.2	5	33.9	1102	22	
Enestvedt	E600DP RIB ↗	VT2P	99	221.3	15.1	0	32.4	1106	20	
Dyna-Gro	D43VC81 ↗	VT2P	102	221.1	16.2	0	33.9	1099	23	
Renk	RK600VT2P ↗	VT2P	100	221.0	15.3	4	33.9	1103	21	
Integra	5280 VT2PRIB ↗	VT2P	102	220.2	16.6	0	32.9	1092	24	
Hefty	H5132 RIB ↗	VT2P	101	218.4	15.1	3	34.3	1092	25	
Integra	5052 STXRIB ↗	STX	100	218.3	16.0	0	34.3	1086	27	
Dahlman	R50-25VT2PRIB ↗	VT2P	100	218.2	15.1	4	33.9	1090	26	
Dairyland	DS-4000AMXT ↗	AMXT	100	217.5	15.5	0	31.9	1085	28	
AgriGold	A629-12VT2RIB GC ↗	VT2P	99	217.5	16.2	0	31.0	1081	29	
Latham	LH 4957 VT2P RIB ↗	VT2P	99	215.8	15.6	0	31.9	1076	30	
Thunder	T6902 VT2P ↗	VT2P	102	214.2	16.1	0	33.4	1065	31	
Pioneer	P0075Q CK	QR	100	225.9	15.7	12	32.9	1126	12	
				<b>Averages =</b>	<b>216.7</b>	<b>15.9</b>	<b>2</b>	<b>33.0</b>	<b>1079</b>	
				<b>LSD (0.10) =</b>	19.1	0.5	6			
				<b>LSD (0.25) =</b>	10.0	0.3	3			
				<b>C.V. =</b>	8.4					
Ed Dahle				Historic yield: 196.53 bu/a, 15 yr(s)						
ed.dahle@firstseedtests.com, (507) 456-6624										

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

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

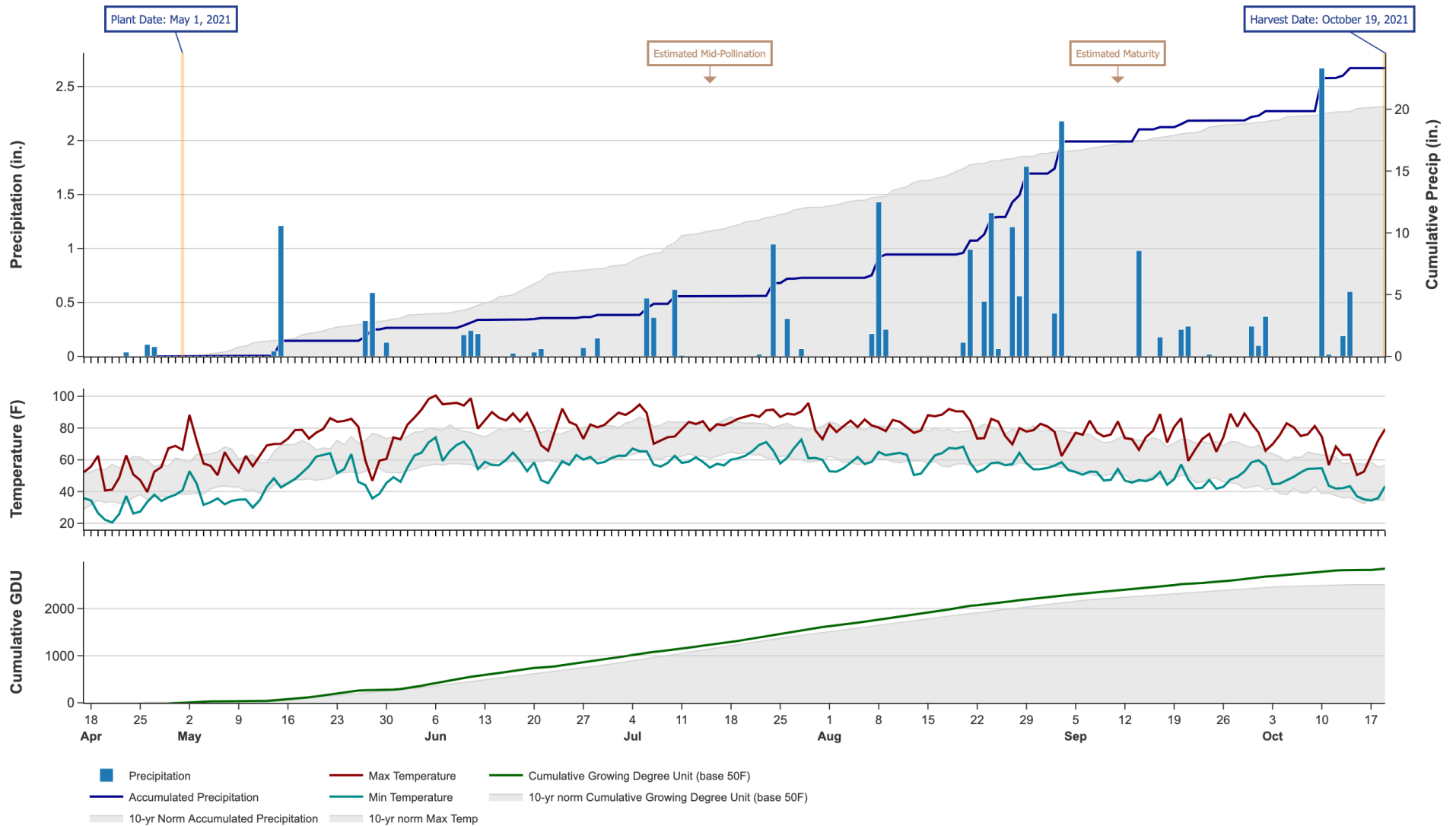
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# 2021 Corn - Minnesota West Central [ MNWC ]

## Weather Conditions Summary at CLINTON, MN

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	0.2   1.2 (-0.9)	2.3   3.1 (-0.8)	1.0   4.1 (-3.0)	3.0   5.0 (-1.9)	8.4   4.3 (+4.1)	4.6   2.4 (+2.1)	4.0   1.4 (+2.6)	23.6   21.5 (+2.1)
GDU   Normal (Diff)	24   0 (+24)	290   262 (+27)	635   539 (+95)	691   689 (+1)	624   586 (+37)	418   359 (+58)	196   69 (+126)	2878   2506 (+371)



\* 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

<sup>^</sup> 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

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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®

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

## Corn Seed Treatments\*

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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

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\* Seed treatments may include unspecified plant health promoting components.