

Test by: NewVenture, LLC Ellendale, MN

## 2022 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 B2022MNWC06a
<b>Top 30 of 45</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, 6.8 pH, 4.9% OM, 20.0 CEC
<b>PEST MANAGEMENT:</b>	Force, Calisto, Roundup
<b>FERTILITY - Applied N:</b>	150 Spring
<b>Applied N-P-K (units):</b>	150-50-30
<b>SEDED - RATE - ROW:</b>	May 28 35.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 20 34.6 /A

### TEST COMMENTS:

A wet and cool start to the growing season led to the late plant date and then the rains became sparse. This site was a very flat and uniform plot site. The ears were generally large and filled to the tips. Doug noted that he was happy with the yields this year. Overall, this was a very good plot with very little disease pressure noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Latham	LH 4517 VT2P RIB ↗	VT2P	95	<b>227.9</b>	16.7	0	35.6	1469	1	
Renk	RK561DGVT2P ↗	VT2PDG	95	<b>221.8</b>	17.4	0	35.3	1426	2	
Dairyland	DS-3601AM ↗	AM	96	<b>215.8</b>	16.8	0	34.8	1391	3	
Epley	E9807TRE ↗	TRE	98	<b>214.4</b>	17.3	0	33.8	1379	4	
Hefty	H4653 RIB ↗	VT2PDG	96	<b>212.1</b>	16.6	0	34.8	1368	5	
Thunder	T8396 SS ↗	STX	96	211.7	17.7	0	35.6	1359	6	
Golden Harvest	G97A36-V ↗	V	97	210.7	17.8	0	34.8	1352	8	
Jacobsen	JS7045VT2PR GC ↗	VT2P	95	210.5	16.9	0	34.3	1356	7	
Renk	RK590VT2P ↗	VT2P	98	210.2	18.4	0	32.4	1345	9	
Titan Pro	11-98 2P ↗	VT2P	98	209.1	17.6	0	34.3	1343	10	
Hefty	H4732 ↗	VT2P	97	207.5	16.1	0	33.4	1342	11	
Gold Country	97-14R2P ↗	VT2P	97	206.8	16.7	0	33.4	1334	12	
Thunder	T6398 TRE ↗	TRE	98	206.6	18.8	0	34.3	1319	14	
Thunder	T6298 VT2P ↗	VT2P	98	206.0	18.0	0	36.3	1320	13	
Federal	4830 TRE ↗	TRE	98	205.3	17.8	0	34.3	1317	15	
Jacobsen	JS8053TRE ↗	TRE	98	204.7	18.6	0	34.8	1308	18	
Latham	LH 4527 VT2P RIB ↗	VT2P	95	204.2	17.0	0	34.3	1315	16	
Federal	4833 VT2P ↗	VT2P	98	203.8	17.5	0	34.8	1309	17	
Hefty	H4844 RIB ↗	STX	98	202.9	18.6	0	32.9	1297	19	
Enestvedt	E658DP RIB ↗	VT2P	96	202.2	17.9	0	35.3	1297	20	
Renk	RK444VT2P ↗	VT2P	93	201.1	17.0	0	36.3	1295	21	
Gold Country	98-15RSS ↗	STX	98	199.9	18.7	0	34.8	1277	22	
Augusta	A2148-3220-EZ ↗	V	98	199.5	18.5	0	34.8	1276	23	
Golden Harvest	G95D32-V GC ↗	V	95	198.1	17.9	0	33.9	1271	24	
Thunder	T6996 VT2P ↗	VT2P	96	196.3	18.6	0	35.3	1255	28	
Thunder	T6397 AA ↗	AA	97	196.2	17.7	0	34.8	1259	27	
Enestvedt	E692 ↗	TRE	98	195.7	17.8	0	34.8	1255	29	
Anderson	786R ↗	RR2	95	195.4	16.6	0	34.3	1261	26	
Hefty	H4462 ↗	VT2P	94	195.0	15.9	0	35.8	1262	25	
Latham	LH 4375 VT2P RIB ↗	VT2P	93	193.8	15.9	0	36.3	1255	30	
PIONEER	P0075AM CK	AM	100	187.5	19.7	0	33.9	1192	40	
				<b>Averages =</b>	<b>199.0</b>	<b>17.4</b>	<b>0</b>	<b>34.6</b>	<b>1281</b>	
				<b>LSD (0.10) =</b>	13.1	0.8	ns			
				<b>LSD (0.25) =</b>	6.8	0.4	ns			
				<b>C.V. =</b>	6.2					
										Historic yield: 197.79 bu/a, 16 yr(s)

Ed Dahle

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### Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$6.50

Report Date: 10/20/2022

† 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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Test by: NewVenture, LLC Ellendale, MN

## 2022 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 B2022MNWC06b
<b>Top 30 of 41</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, 6.8 pH, 4.9% OM, 20.0 CEC
<b>PEST MANAGEMENT:</b>	Force, Calisto, Roundup
<b>FERTILITY - Applied N:</b>	150 Spring
<b>Applied N-P-K (units):</b>	150-50-30
<b>SEDED - RATE - ROW:</b>	May 28 35.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 20 34.5 /A

### TEST COMMENTS:

A wet and cool start to the growing season led to the late plant date and then the rains became sparse. This site was a very flat and uniform plot site. The ears were generally large and filled to the tips. Doug noted that he was happy with the yields this year. Overall, this was a very good plot with very little disease pressure noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H5062 ↗	VT2P	100	<b>246.4</b>	19.1	0	35.3	1571	1
Federal	5120 TRE ↗	TRE	101	<b>238.4</b>	17.7	0	35.3	1531	2
Integra	4993 TRERIB ↗	TRE	99	<b>236.5</b>	18.8	0	35.3	1510	3
Federal	5280 VT2PRIB ↗	VT2P	102	<b>235.4</b>	18.4	0	35.3	1506	4
Hefty	H5254 ↗	STX	102	234.4	19.5	0	33.8	1492	7
Latham	LH 5245 VT2P RIB ↗	VT2P	102	234.0	18.4	0	35.8	1497	5
Integra	5052 VT2PRIB ↗	VT2P	100	233.6	18.5	0	35.3	1494	6
Gold Country	100-19TRE ↗	TRE	100	232.3	18.2	0	34.9	1488	8
Latham	LH 4957 VT2P RIB ↗	VT2P	99	231.9	17.9	0	35.3	1487	9
Anderson	681VT2P ↗	VT2P	100	231.8	18.1	0	35.3	1485	10
Renk	RK597SSPRO ↗	STXP	99	229.6	18.9	0	35.3	1466	11
Dairyland	DS-4014Q ↗	QR	100	229.5	19.0	0	33.9	1464	12
Dairyland	DS-4018AM ↗	AM	101	229.1	19.0	0	32.4	1462	13
Gold Country	101-51RSP ↗	STXP	101	229.1	20.0	0	34.3	1455	16
Thunder	T6300 VT2P ↗	VT2P	100	228.2	18.9	0	34.3	1457	14
Dairyland	DS-3900AM ↗	AM	99	228.0	18.8	0	35.6	1456	15
Renk	RK579DGV2P ↗	VT2PDG	99	226.4	18.1	0	35.8	1451	17
Renk	RK615SSTX ↗	STX	102	226.0	18.3	0	32.4	1446	18
Augusta	A22-250 ↗	AA	100	225.7	19.6	0	34.3	1436	19
Golden Harvest	G00A97-AA ↗	AA	100	224.8	19.4	0	34.3	1431	22
Dairyland	DS-3959Q ↗	QR	99	224.4	19.0	0	32.9	1432	21
Latham	LH 4937 VT2P RIB ↗	VT2P	99	223.8	17.8	0	34.8	1436	20
Jacobsen	JS7107VT2PR ↗	VT2P	102	223.8	18.6	0	34.3	1431	23
Gold Country	99-01R2P ↗	VT2P	99	223.5	18.8	0	35.8	1427	27
Integra	5280 VT2PRIB ↗	VT2P	102	223.2	18.5	0	35.3	1428	25
Hefty	H4933 RIB ↗	VT2PDG	99	223.2	18.4	0	35.8	1428	26
Thunder	T6999 VT2P ↗	VT2P	99	222.8	17.6	0	34.3	1431	24
Renk	RK600VT2P ↗	VT2P	100	222.6	18.2	0	35.3	1425	28
Latham	LH 5047 VT2P RIB ↗	VT2P	100	221.3	17.8	0	34.8	1420	29
Dairyland	DS-4219AM ↗	AM	102	220.3	19.3	0	33.9	1404	30
PIONEER	P0075AM CK	AM	100	213.5	19.9	0	30.9	1356	36
				<b>Averages =</b>	<b>224.3</b>	<b>18.8</b>		<b>34.5</b>	<b>1433</b>
				LSD (0.10) =	10.8	0.7	ns		
				LSD (0.25) =	5.7	0.4	ns		
				C.V. =	4.6				
Ed Dahle				Historic yield: 197.79 bu/a, 16 yr(s)					
ed.dahle@firstseedtests.com, (507) 456-6624									

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$6.50

Report Date: 10/20/2022

† 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

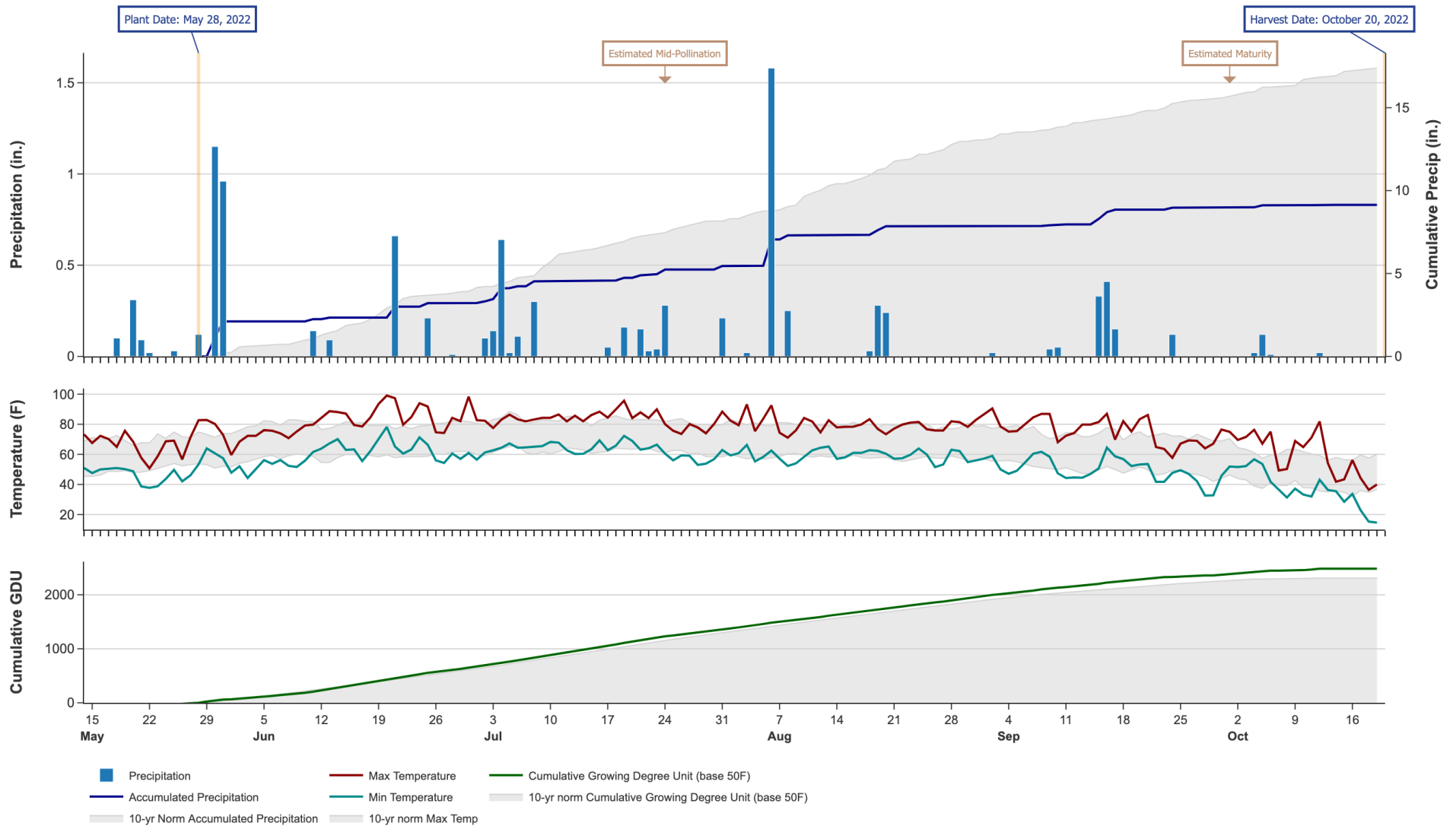
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# 2022 Corn - Minnesota West Central [ MNWC ]

## Weather Conditions Summary at CLINTON, MN

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	2.8   1.7 (+1.1)	1.1   3.7 (-2.6)	2.2   4.2 (-2.0)	2.4   4.9 (-2.5)	1.1   2.5 (-1.4)	0.2   1.8 (-1.6)	9.8   18.9 (-9.1)
GDU   Normal (Diff)	179   200 (-21)	591   572 (+18)	705   688 (+16)	598   583 (+14)	418   378 (+39)	111   47 (+63)	2602   2471 (+130)



\* 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 - Minnesota West Central [ MNWC ]

### Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	786R	RR2	N	95	Treated
Augusta	A1946-3120	AA	N	95	AC,P5V
Augusta	A2148-3220-EZ	V	Y	98	CM,C2
Dairyland	DS-3477AM	AM	Y	94	Lum, L1
Dairyland	DS-3550AM	AM	Y	95	Lum, L1
Dairyland	DS-3601AM	AM	Y	96	Lum, L1
Dairyland	DS-3727AM	AM	Y	97	Lum, L1
Enestvedt	E640DP RIB	VT2P	Y	94	AC,P2
Enestvedt	E658DP RIB	VT2P	Y	96	AC,P2
Enestvedt	E692	TRE	Y	98	P5V
Epley	E9807TRE	TRE	N	98	Vi5
Federal	4830 TRE	TRE	Y	98	AC,P5V,MAG
Federal	4833 VT2P	VT2P	Y	98	AC,P2,MAG
Gold Country	95-36RSS	STX	Y	95	AC,P5V,EDC-B
Gold Country	97-14R2P	VT2P	N	97	AC,P5V,EDC-B
Gold Country	98-15RSS	STX	Y	98	AC,P5V,EDC-B
Golden Harvest	G93A49-D	D	Y	93	AVC,C2,Vi,Va
Golden Harvest	G95D32-V GC	V	Y	95	AVC,C2,Vi,Va
Golden Harvest	G97A36-V	V	Y	97	AVC,C2,Vi,Va
Hefty	H4332	VT2P	N	93	HC
Hefty	H4462	VT2P	N	94	HC
Hefty	H4653 RIB	VT2PDG	Y	96	HC
Hefty	H4732	VT2P	N	97	HC
Hefty	H4844 RIB	STX	Y	98	HC
Integra	4509 VT2PRIB	VT2P	Y	95	AC,P5V,SU+Zn
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,SU+Zn
Jacobsen	JS7045VT2PR GC	VT2P	Y	95	AC,P2,Va
Jacobsen	JS8053TRE	TRE	N	98	AC,P2,Va
Latham	LH 4375 VT2P RIB	VT2P	Y	93	AC,P2
Latham	LH 4517 VT2P RIB	VT2P	Y	95	AC,P2
Latham	LH 4527 VT2P RIB	VT2P	Y	95	AC,P5V,EDC-B
Latham	LH 4657 VT2P RIB	VT2P	Y	96	AC,P2
Latham	LH 4669 SS RIB	STX	Y	96	AC,P5V
Pioneer	P0075AM CK	AM	Y	100	Lum
Renk	RK444VT2P	VT2P	N	93	AC,P5V
Renk	RK502SSTX	STX	N	95	AC,P5V
Renk	RK561DGV2P	VT2PDG	N	95	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P2
Thunder	T6298 VT2P	VT2P	Y	98	AC,P2
Thunder	T6397 AA	AA	Y	97	AC,P2
Thunder	T6398 TRE	TRE	Y	98	AC,P2
Thunder	T6996 VT2P	VT2P	Y	96	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Thunder	T8396 SS	STX	Y	96	AC,P5V,EDC-B
Titan Pro	11-98 2P	VT2P	Y	98	AC,P2
Titan Pro	82-95 2P	VT2P	Y	95	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 - Minnesota West Central [ MNWC ]

### Full-Season Test Products (41 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	681VT2P	VT2P	N	100	AC,P2
Augusta	A22-250	AA	Y	100	CM,C5,Vi
Dairyland	DS-3900AM	AM	Y	99	Lum, L1
Dairyland	DS-3959Q	QR	Y	99	Lum, L1
Dairyland	DS-4014Q	QR	Y	100	Lum, L1
Dairyland	DS-4018AM	AM	Y	101	Lum, L1
Dairyland	DS-4219AM	AM	Y	102	Lum, L1
Enestvedt	E539DP RIB	VT2P	Y	102	AC,P2
Enestvedt	E600DP RIB	VT2P	Y	99	AC,P2
Federal	5120 TRE	TRE	Y	101	AC,P2,MAG
Federal	5200 VP3110	3110	Y	102	AC,P2,MAG
Federal	5280 VT2PRIB	VT2P	Y	102	AC,P2,MAG
Gold Country	100-19TRE	TRE	Y	100	Treated
Gold Country	101-51RSP	STXP	Y	101	Treated
Gold Country	99-01R2P	VT2P	N	99	AC,P5V,B300
Golden Harvest	G00A97-AA	AA	Y	100	AVC,C2,Vi,Va
Golden Harvest	G02K39-D	D	Y	102	AVC,C2,Vi,Va
Hefty	H4933 RIB	VT2PDG	Y	99	HC
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Hefty	H5062	VT2P	N	100	HC
Hefty	H5254	STX	N	102	HC
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
Jacobsen	JS7107VT2PR	VT2P	Y	102	AC,P2,Va
Latham	LH 4937 VT2P RIB	VT2P	Y*	99	AC,P2
Latham	LH 4957 VT2P RIB	VT2P	Y	99	AC,P2,Sb
Latham	LH 5047 VT2P RIB	VT2P	Y	100	AC,P2
Latham	LH 5209 DV	DV	Y	102	AVC,C2,Vi,Va
Latham	LH 5245 VT2P RIB	VT2P	Y	102	AC,P2
Pioneer	P0075AM CK	AM	Y	100	Lum
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
Thunder	T6300 VT2P	VT2P	Y	100	AC,P5V,EDC-B
Thunder	T6902 VT2P	VT2P	Y	102	CM,C2,Vi
Thunder	T6999 VT2P	VT2P	Y	99	AC,P2
Titan Pro	16-00 5222	DV	Y	100	CM,C2
Titan Pro	26-02 PCE	PC,E	N	102	CM,C2

\* 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

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^	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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3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
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™
RR2	Roundup Ready® 2 Corn
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®

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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
AC,P2	Acceleron® 250
AC,P2,MAG	Acceleron® 250, Federal ArmourGuard
AC,P2,Sb	Acceleron® 250, SabrEx Inoculant
AC,P2,Va	Acceleron® 250, Vayantis®
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B300	Acceleron® Poncho 500/Votivo with B-300 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+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C5,Vi	CruiserMaxx® 500 with Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	(2022) LumiGEN, Lumisure 1250
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified
Vi5	Vibrance® Cinco

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