

Test by: NewVenture, LLC Ellendale, MN

2022 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] BELGRADE, MN

Michael Stamer Farms, Michael Stamer, Stearns County, MN 56201

Early-Season Test 93 - 98 Day CRM
B2022MNWC01a

Top 30 of 45 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Sugar Beets / NA

SOIL DESCRIPTION: Regal Loam loam, poorly drained, irrigated

SOIL CONDITION: Conventional W/ Fall Till, very high P, very high K, 7.2 pH, 5.1% OM, 19.2 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 17 35.0 /A 30" spacing

HARVESTED - STAND: Oct 26 34.5 /A

TEST COMMENTS:

We want to thank Mike for working up an area big enough for the plot in the only dry spot in the field. This area was hit hard with early season heavy rainfall. The stand and germination were very good. At harvest, there were some areas in the plot where the corn had very small ears. The corn was standing very well, and very little disease pressure was noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Integra	4702 VT2PRIB ↗	VT2P	97	224.1	16.6	0	33.4	1446	1
Gold Country	98-15RSS ↗	STX	98	216.2	16.9	0	34.9	1393	2
Thunder	T6298 VT2P ↗	VT2P	98	212.0	16.9	0	33.4	1366	3
Dairyland	DS-3550AM ↗	AM	95	212.0	17.7	0	32.4	1361	4
Augusta	A2148-3220-EZ ↗	V	98	210.9	17.7	0	32.9	1354	5
Federal	4833 VT2P ↗	VT2P	98	209.2	17.6	0	32.4	1344	8
Renk	RK561DGV2P ↗	VT2PDG	95	209.0	16.6	0	32.9	1348	7
Jacobsen	JS7045VT2PR GC ↗	VT2P	95	208.6	16.1	0	33.4	1349	6
Renk	RK444VT2P ↗	VT2P	93	207.4	16.2	0	35.3	1340	9
Anderson	786R ↗	RR2	95	204.9	16.5	0	34.3	1323	10
Enestvedt	E658DP RIB ↗	VT2P	96	204.7	17.1	0	35.8	1318	11
Dairyland	DS-3727AM ↗	AM	97	203.6	17.7	0	35.8	1307	13
Thunder	T6996 VT2P ↗	VT2P	96	203.5	16.9	0	35.3	1311	12
Gold Country	97-14R2P ↗	VT2P	97	202.7	16.7	0	32.9	1307	14
Thunder	T8396 SS ↗	STX	96	200.5	17.0	0	35.3	1291	17
Latham	LH 4375 VT2P RIB ↗	VT2P	93	200.2	16.0	0	35.8	1295	15
Latham	LH 4527 VT2P RIB ↗	VT2P	95	200.1	17.0	0	34.4	1289	18
Latham	LH 4517 VT2P RIB ↗	VT2P	95	199.9	16.3	0	34.8	1292	16
Federal	4830 TRE ↗	TRE	98	198.8	17.1	0	34.8	1279	19
Hefty	H4462 ↗	VT2P	94	198.0	16.4	0	35.3	1279	20
Epley	E9807TRE ↗	TRE	98	197.7	16.9	0	35.3	1274	21
Hefty	H4732 ↗	VT2P	97	196.4	16.3	0	34.8	1269	22
Enestvedt	E692 ↗	TRE	98	196.4	16.8	0	36.3	1266	23
Hefty	H4332 ↗	VT2P	93	195.7	16.6	0	33.4	1262	24
Enestvedt	E640DP RIB ↗	VT2P	94	193.8	16.0	0	35.8	1254	25
Latham	LH 4669 SS RIB ↗	STX	96	193.5	16.4	0	31.9	1250	26
Dairyland	DS-3601AM ↗	AM	96	191.1	17.4	0	35.3	1228	28
Latham	LH 4657 VT2P RIB ↗	VT2P	96	190.7	16.7	0	35.8	1230	27
Jacobsen	JS8053TRE ↗	TRE	98	189.6	16.9	0	34.3	1221	29
Renk	RK590VT2P ↗	VT2P	98	189.5	17.2	0	35.3	1219	30
PIONEER	P0075AM CK	AM	100	176.0	18.5	0	30.0	1126	43

Averages = **194.8** **16.9** **34.5** **1257**

LSD (0.10) = 16.2 0.4 ns

LSD (0.25) = 8.5 0.2 ns

C.V. = 7.9

Historic yield: new site

Ed Dahle

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

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

Report Date: 10/27/2022

† 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 Grain Top 30 Harvest Report

Minnesota West Central [MNWC] BELGRADE, MN

Michael Stamer Farms, Michael Stamer, Stearns County, MN 56201

Full-Season Test 99 - 102 Day CRM
B2022MNWC01b

Top 30 of 41 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Sugar Beets / NA

SOIL DESCRIPTION: Regal Loam loam, poorly drained, irrigated

SOIL CONDITION: Conventional W/ Fall Till, very high P, very high K, 7.2 pH, 5.1% OM, 19.2 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 17 35.0 /A 30" spacing

HARVESTED - STAND: Oct 26 34.8 /A

TEST COMMENTS:

We want to thank Mike for working up an area big enough for the plot in the only dry spot in the field. This area was hit hard with early season heavy rainfall. The stand and germination were very good. At harvest, there were some areas in the plot where the corn had very small ears. The corn was standing very well, and very little disease pressure was noted.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	LH 4957 VT2P RIB ↗	VT2P	99	244.4	17.5	0	34.8	1570	1
Latham	LH 4937 VT2P RIB ↗	VT2P	99	230.7	17.3	0	35.3	1483	2
Thunder	T6999 VT2P ↗	VT2P	99	230.4	17.5	0	35.3	1480	3
Anderson	681VT2P ↗	VT2P	100	229.9	17.3	0	34.8	1478	4
Integra	4993 TRERIB ↗	TRE	99	227.8	17.0	0	35.8	1467	5
Hefty	H5055 ↗	TRE	100	221.9	16.8	0	33.4	1431	6
Latham	LH 5047 VT2P RIB ↗	VT2P	100	221.2	17.1	0	34.3	1424	7
Augusta	A22-250 ↗	AA	100	221.1	18.9	0	34.8	1412	8
Federal	5280 VT2PRIB ↗	VT2P	102	220.5	18.6	0	36.3	1409	10
Federal	5120 TRE ↗	TRE	101	219.6	17.6	0	34.8	1410	9
Enestvedt	E539DP RIB ↗	VT2P	102	215.9	18.7	0	34.3	1379	11
Renk	RK600VT2P ↗	VT2P	100	213.9	17.1	0	34.3	1377	12
Hefty	H4933 RIB ↗	VT2PDG	99	213.3	17.7	0	35.3	1369	13
Dairyland	DS-3900AM ↗	AM	99	211.2	18.1	0	34.8	1353	14
Integra	5280 VT2PRIB ↗	VT2P	102	208.5	18.4	0	34.3	1334	15
Latham	LH 5245 VT2P RIB ↗	VT2P	102	207.2	18.7	0	34.8	1324	16
Hefty	H5062 ↗	VT2P	100	205.7	17.9	0	36.3	1319	17
Gold Country	100-19TRE ↗	TRE	100	204.3	17.3	0	35.8	1314	18
Federal	5200 VP3110 ↗	3110	102	204.1	18.3	0	35.8	1306	20
Gold Country	99-01R2P ↗	VT2P	99	203.4	17.5	0	34.3	1307	19
Dairyland	DS-4219AM ↗	AM	102	203.3	18.1	0	34.8	1303	21
Renk	RK579DGV2P ↗	VT2PDG	99	202.8	17.7	0	33.4	1302	22
Golden Harvest	G00A97-AA ↗	AA	100	202.2	18.6	0	34.8	1292	23
Gold Country	101-51RSP ↗	STXP	101	201.1	18.1	0	34.8	1288	24
Dairyland	DS-4014Q ↗	QR	100	199.1	18.4	0	35.8	1274	25
Dairyland	DS-4018AM ↗	AM	101	197.3	17.6	0	34.1	1267	26
Integra	5052 VT2PRIB ↗	VT2P	100	196.5	17.9	0	34.8	1260	27
Titan Pro	16-00 5222 ↗	DV	100	196.0	17.9	0	34.3	1257	28
Hefty	H5254 ↗	STX	102	195.8	18.4	0	34.3	1253	29
Renk	RK615SSTX ↗	STX	102	193.8	18.4	0	33.9	1240	30
PIONEER	P0075AM CK	AM	100	175.3	18.3	0	35.3	1122	40

Averages = **204.0** **17.9** **34.8** **1308**

LSD (0.10) = 19.0 0.6 ns

LSD (0.25) = 10.0 0.3 ns

C.V. = 8.8

Historic yield: new site

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: 10/27/2022

† 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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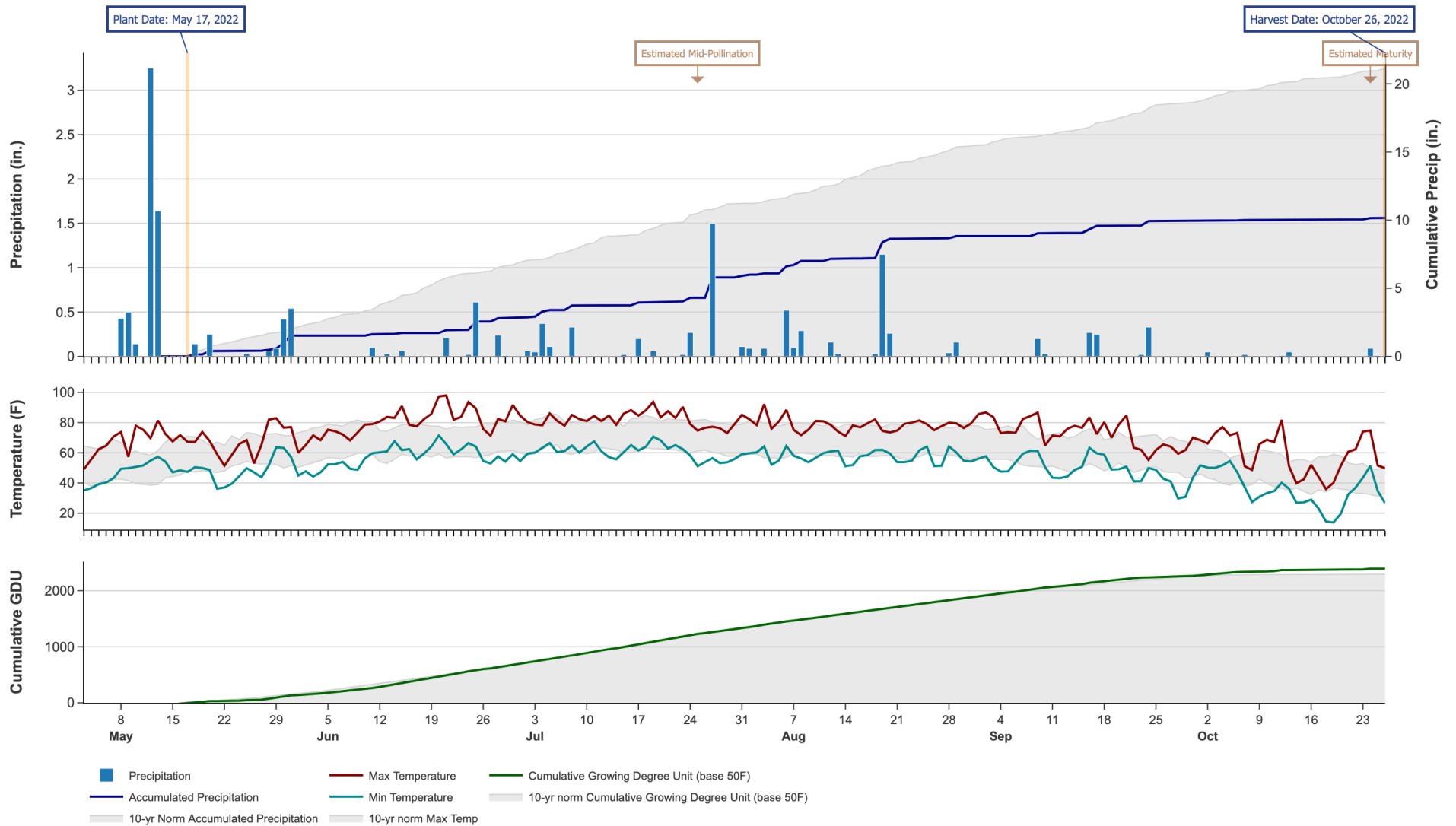
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2022 Corn - Minnesota West Central [MNWC]

Weather Conditions Summary at BELGRADE, MN

Weather Data Retrieved: 10/27/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	7.5 3.4 (+4.1)	1.3 4.7 (-3.4)	3.1 4.5 (-1.4)	2.9 4.2 (-1.3)	1.1 3.2 (-2.1)	0.2 2.5 (-2.3)	16.1 22.6 (-6.4)
GDU Normal (Diff)	273 250 (+22)	542 527 (+14)	654 655 (-1)	556 562 (-6)	380 358 (+21)	127 38 (+88)	2532 2394 (+137)



* 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

^	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

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®

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

Corn Seed Treatments*

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

* Seed treatments may include unspecified plant health promoting components.