

Test by: MNS Seed Testing, LLC New Richland, MN

2022 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] ARLINGTON, SD

Tim Bjorklund, Brookings County, SD 57212

Early-Season Test 91 - 95 Day CRM
B2022SDNE02a

Top 30 of 53 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Soybeans / Sonic, Roundup,
Flexstar, Volunteer

SOIL DESCRIPTION: Poinsettia-Buse-Waubay sandy
clay, moderately drained, non-
irrigated

SOIL CONDITION: No-Till, very high P, medium K,
5.1 pH, 6.1% OM, 27.9 CEC

PEST MANAGEMENT: Surestart, Durango, Atrazine,
Bellum

FERTILITY - Applied N: 64 Spring

Applied N-P-K (units): 64-64-75

SEEDED - RATE - ROW: May 16 32.5 /A 30" spacing

HARVESTED - STAND: Oct 29 28.7 /A

TEST COMMENTS:

In June a side-dress application of nitrogen was missed when the custom applicator skipped the plot location. Then as the weather turned dry during the last half of the growing season more yield potential was lost. The full-season test seemed to produce more consistent results and was on the lowest end of the field.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Heine	6215VT2PRO ↗	VT2P	95	187.9	17.1	1	29.0	1103	2
Thunder	THX22-95 ↗	VT2P	95	187.3	16.3	1	29.0	1109	1
NK Brand	NK9175-DV ↗	DV	91	180.7	16.6	1	29.0	1067	3
Federal	4300 VT2PRIB ↗	VT2P	93	178.0	16.7	1	28.3	1050	4
Hefty	H4522 ↗	VT2P	95	173.9	17.1	1	28.6	1021	5
Golden Harvest	G91V51-DV ↗	DV	91	173.4	17.1	1	28.1	1019	6
Augusta	A1943-3120 ↗	AA	93	172.6	16.9	1	29.5	1016	8
Latham	LH 4527 VT2P RIB ↗	VT2P	95	172.3	16.6	1	28.5	1017	7
Heine	6200 ↗	VT2P	95	172.0	17.0	1	29.5	1011	9
Hefty	H4564 ↗	STX	95	171.5	17.5	1	28.6	1003	10
Heine	6450VT2PRO ↗	VT2P	95	169.3	17.6	1	29.5	990	12
Thunder	T6595 VT2P ↗	VT2P	95	168.8	16.9	1	29.0	994	11
Renk	RK444VT2P ↗	VT2P	93	167.1	16.2	1	28.5	990	13
Dyna-Gro	D32SS92RIB ↗	STX	92	165.1	16.8	1	29.0	973	15
Heine	6122 ↗	VT2P	94	164.8	16.7	1	28.5	972	16
Dyna-Gro	D31VC23 ↗	VT2P	91	164.3	15.9	1	28.1	977	14
Jacobsen	JS7095VT2PR ↗	VT2P	95	160.6	17.7	1	30.0	938	18
Dyna-Gro	D33QZ83 ↗	V	93	160.4	17.5	1	28.1	938	19
REA	95A36 ↗	STX	95	159.2	16.5	1	28.5	941	17
REA	4B958 ↗	VT2P	95	158.3	16.9	1	30.0	932	21
Latham	LH 4242 VT2P RIB ↗	VT2P	92	158.2	16.4	1	29.0	936	20
Jacobsen	JS7045VT2PR ↗	VT2P	95	154.5	17.0	1	28.6	908	22
Rob-See-Co	RC4213-3120 ↗	AA	92	153.9	16.6	1	28.1	908	23
Dairyland	DS-3366AM ↗	AM	93	153.1	16.8	1	28.0	902	24
Heine	6330DGVT2PRIB ↗	VT2PDG	95	152.9	17.6	1	28.6	894	27
Federal	4580 VT2PRIB ↗	VT2P	95	152.2	16.8	1	28.0	897	25
Thunder	T6294 VT2P ↗	VT2P	94	151.5	16.3	1	29.5	897	26
Dairyland	DS-3477AM ↗	AM	94	151.1	17.0	1	29.5	888	28
Rob-See-Co	RC4535-3110 ↗	3110	95	150.5	16.9	1	29.0	886	29
Rob-See-Co	RC4166-3110A ↗	3110A	91	148.5	16.6	1	28.0	876	30
DEKALB	DKC50-87RIB CK	STX	100	147.3	18.0	1	28.1	858	37

Averages = **153.3** **16.8** **1** **28.7** **905**

LSD (0.10) = 22.8 0.7 ns

LSD (0.25) = 12.0 0.4 ns

C.V. = 14.1

Historic yield: 183.35 bu/a, 10 yr(s)

Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.06 Prices: GMO = \$6.00

Report Date: 10/31/2022

† 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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Full-Season Test	96 - 100 Day CRM B2022SDNE02b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Sonic, Roundup, Flexstar, Volunteer
SOIL DESCRIPTION:	Poinsettia-Buse-Waubay sandy clay, moderately drained, non- irrigated
SOIL CONDITION:	No-Till, very high P, medium K, 5.1 pH, 6.1% OM, 27.9 CEC
PEST MANAGEMENT:	Surestart, Durango, Atrazine, Bellum
FERTILITY - Applied N:	64 Spring
Applied N-P-K (units):	64-64-75
SEEDED - RATE - ROW:	May 16 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 29 30.9 /A

TEST COMMENTS:

In June a side-dress application of nitrogen was missed when the custom applicator skipped the plot location. Then as the weather turned dry during the last half of the growing season more yield potential was lost. The full-season test seemed to produce more consistent results and was on the lowest end of the field.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	98A15 ↗	STX	98	197.3	17.5	1	31.9	1155	2
Dyna-Gro	D40VC41RIB ↗	VT2P	100	195.7	16.2	1	31.2	1160	1
Hefty	H5062 ↗	VT2P	100	191.7	17.1	1	31.9	1126	3
Thunder	T6999 VT2P ↗	VT2P	99	186.0	16.8	1	30.9	1096	4
REA	100T19 ↗	TRE	100	181.2	17.3	1	31.0	1062	6
NK Brand	NK0007-AA ↗	AA	100	180.3	18.1	1	29.5	1049	8
Latham	LH 4937 VT2P RIB ↗	VT2P	99	179.8	16.4	1	31.9	1064	5
Heine	6575VT2PRIB ↗	VT2P	99	179.6	17.2	1	31.4	1054	7
Integra	4702 VT2PRIB ↗	VT2P	97	174.7	16.6	1	29.5	1031	9
Hefty	H4732 ↗	VT2P	97	174.7	17.1	1	31.9	1026	10
Heine	6555 ↗	VT2P	98	173.0	17.5	1	31.0	1012	11
Jacobsen	JS7046VT2PR ↗	VT2P	98	169.7	16.3	1	31.0	1005	12
Dairyland	DS-3727AM ↗	AM	97	168.7	17.5	1	31.9	987	13
Enestvedt	E658DP RIB ↗	VT2P	96	167.0	16.9	1	31.9	983	14
NK Brand	NK9874-V ↗	V	98	166.2	17.1	1	30.5	977	15
Heine	6500 ↗	VT2P	98	164.3	17.0	1	31.9	966	16
Hefty	H4653 RIB ↗	VT2PDG	96	163.2	17.6	2	30.5	953	18
Proseed	2196 VT2PRIB ↗	VT2P	96	162.1	17.2	1	30.5	952	21
Heine	6600VT2PRO ↗	VT2P	99	162.0	17.0	1	29.5	953	19
Heine	6510 ↗	STX	98	162.0	17.5	1	31.0	948	25
Renk	RK590VT2P ↗	VT2P	98	161.7	17.1	1	31.4	950	24
Jacobsen	JS8053TRE ↗	TRE	98	161.6	16.0	4	31.4	960	17
Hefty	H4942 RIB ↗	VT2P	99	161.5	16.7	1	31.9	953	20
REA	96A49 ↗	STX	96	161.2	17.2	1	31.4	946	27
Renk	RK561DGVT2P ↗	VT2PDG	95	161.2	17.1	1	30.5	947	26
Renk	RK579DGVT2P ↗	VT2PDG	99	161.1	16.5	1	31.4	952	22
Integra	5052 VT2PRIB ↗	VT2P	100	160.8	17.2	1	30.0	943	28
Latham	LH 4657 VT2P RIB ↗	VT2P	96	160.6	16.2	1	31.4	952	23
Dairyland	DS-3601AM ↗	AM	96	159.8	16.6	1	31.0	943	29
Enestvedt	E600DP RIB ↗	VT2P	99	159.0	16.8	1	31.0	937	30
DEKALB	DKC50-87RIB CK	STX	100	146.5	17.4	1	31.4	858	47

Averages = **159.4** **17.1** **2** **30.9** **937**

LSD (0.10) = 20.8 0.8 ns

LSD (0.25) = 10.9 0.4 ns

C.V. = 12.4

Historic yield: 183.35 bu/a, 10 yr(s)

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† 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

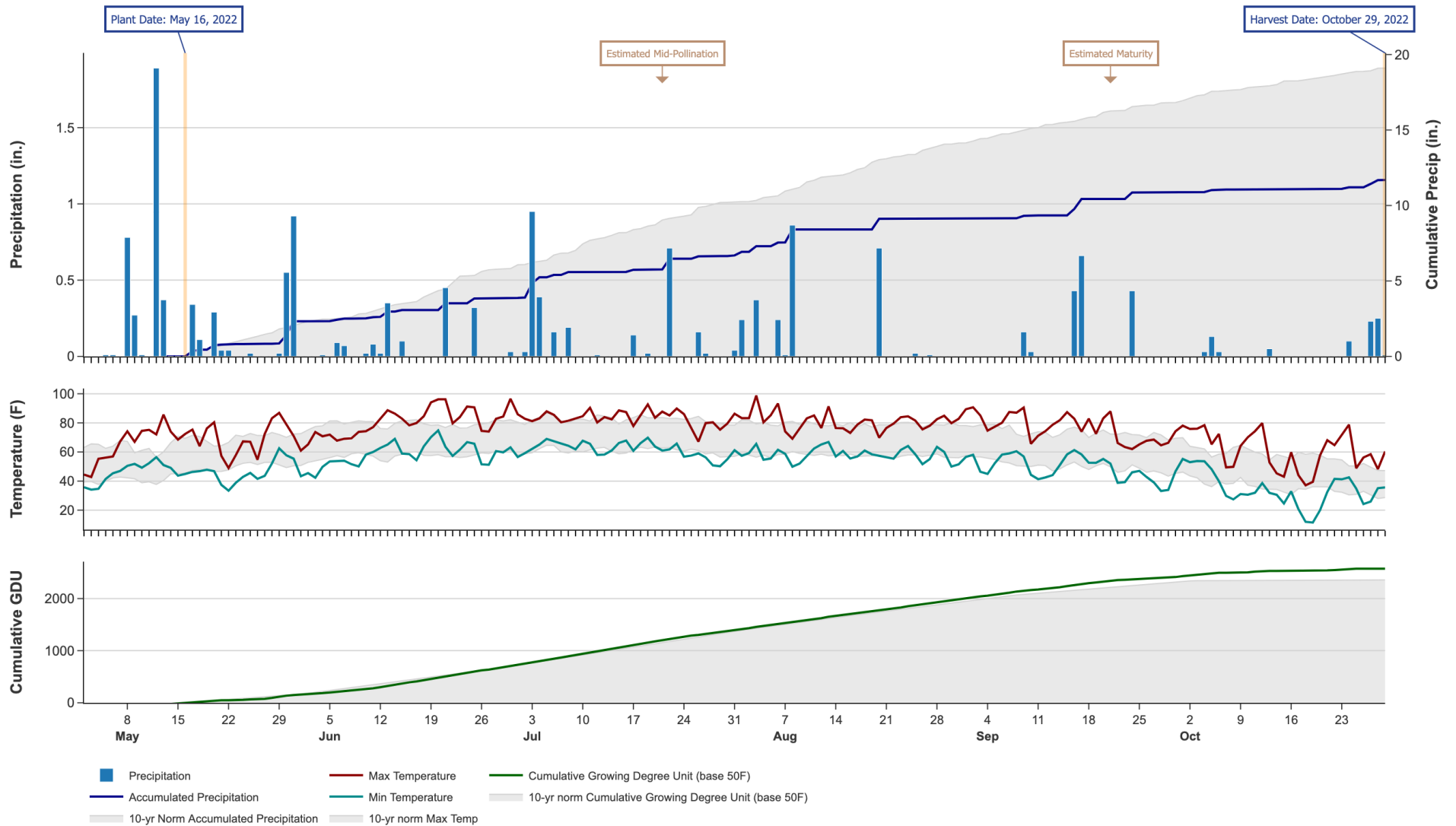
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2022 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at ARLINGTON, SD

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	5.7 3.5 (+2.1)	1.5 3.8 (-2.2)	2.8 4.4 (-1.6)	2.5 3.9 (-1.4)	1.7 2.7 (-1.0)	0.8 2.3 (-1.4)	15.0 20.6 (-5.6)
GDU Normal (Diff)	274 254 (+19)	555 546 (+8)	686 668 (+17)	592 570 (+21)	431 379 (+51)	160 37 (+122)	2698 2455 (+242)



* 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 - South Dakota Northeast [SDNE]

Early-Season Test Products (53 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1943-3120	AA	N	93	AC,P5V
Augusta	A1946-3120	AA	N	95	AC,P5V
Dairyland	DS-3203AM	AM	Y	92	Lum, L1
Dairyland	DS-3366AM	AM	Y	93	Lum, L1
Dairyland	DS-3477AM	AM	Y	94	Lum, L1
Dairyland	DS-3550AM	AM	Y	95	Lum, L1
DeKalb	DKC50-87RIB CK	STX	Y	100	AC,P5V,EDC-EL
Dyna-Gro	D31VC23	VT2P	N	91	AC,P2
Dyna-Gro	D32SS92RIB	STX	Y	92	AC,P5
Dyna-Gro	D33QZ83	V	N	93	AC,P5V
Dyna-Gro	D34VC93	VT2P	N	94	AC,P5V,EDC-B
Federal	4300 VT2PRIB	VT2P	Y	93	AC,P2,MAG
Federal	4580 VT2PRIB	VT2P	Y	95	AC,P2,MAG
Golden Harvest	G91V51-DV	DV	Y	91	AVC,C2,Vi,Va
Golden Harvest	G93A49-D	D	Y	93	AVC,C2,Vi,Va
Hefty	H4262 RIB	VT2P	Y	92	HC
Hefty	H4332	VT2P	N	93	HC
Hefty	H4462	VT2P	N	94	HC
Hefty	H4522	VT2P	N	95	HC
Hefty	H4564	STX	N	95	HC
Heine	6122	VT2P	N	94	AC,P5V,EDC-EL
Heine	6200	VT2P	Y	95	AC,P2
Heine	6215VT2PRO	VT2P	N	95	CM,C2,Vi
Heine	6330DGV2PRIB	VT2PDG	Y*	95	AC,P2
Heine	6450VT2PRO	VT2P	N	95	AC,P5V
Integra	4311 VT2PRIB	VT2P	Y	93	AC,P5V,SU+Zn
Integra	4509 VT2PRIB	VT2P	Y	95	AC,P5V,SU+Zn
Jacobsen	JS5044DGV2PR	VT2PDG	Y	95	AC,P2,Va
Jacobsen	JS7045VT2PR	VT2P	Y	95	AC,P2,Va
Jacobsen	JS7095VT2PR	VT2P	Y	95	AC,P2,Va
Latham	LH 4242 VT2P RIB	VT2P	Y	92	AC,P2
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 4527 VT2P RIB	VT2P	Y	95	AC,P5V,EDC-B
NK Brand	NK9175-DV	DV	Y	91	AVC,C2,Vi,Va
NK Brand	NK9347-D	D	Y	93	AVC,C2,Vi,Va
Proseed	2392 VT2PRIB	VT2P	Y	92	AC,P2
REA	4B944	VT2P	Y	94	AC,P5V,EDC-B
REA	4B958	VT2P	Y	95	AC,P5V,EDC-B
REA	92B10	VT2P	Y	92	AC,P5V,EDC-B
REA	95A36	STX	Y	95	AC,P5V,EDC-B

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK444VT2P	VT2P	N	93	AC,P5V
Renk	RK502SSTX	STX	N	95	AC,P5V
Rob-See-Co	RC4166-3110A	3110A	N	91	CM,C2,Vi
Rob-See-Co	RC4213-3120	AA	Y	92	AVC,C2,Vi,Va
Rob-See-Co	RC4535-3110	3110	N	95	CM,C2,Vi
Rob-See-Co	RC4838-3010 GC	3010	N	98	AC,P2
Thunder	T6294 VT2P	VT2P	Y	94	AC,P2
Thunder	T6595 VT2P	VT2P	Y	95	AC,P2
Thunder	T6791 VT2P	VT2P	Y	91	AC,P2
Thunder	T6992 VT2P	VT2P	Y	92	AC,P2
Thunder	THX22-95	VT2P	Y	95	AC,P5V,EDC-B

* 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 - South Dakota Northeast [SDNE]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A2148-3220-EZ	V	Y	98	CM,C2
Dairyland	DS-3601AM	AM	Y	96	Lum, L1
Dairyland	DS-3727AM	AM	Y	97	Lum, L1
Dairyland	DS-3900AM	AM	Y	99	Lum, L1
Dairyland	DS-3959Q	QR	Y	99	Lum, L1
Dairyland	DS-4014Q	QR	Y	100	Lum, L1
DeKalb	DKC50-87RIB CK	STX	Y	100	AC,P5V,EDC-EL
Dyna-Gro	D36VC66RIB	VT2P	N	97	AC,P5V
Dyna-Gro	D40VC41RIB	VT2P	N	100	AC,P5V
Enestvedt	E600DP RIB	VT2P	Y	99	AC,P2
Enestvedt	E658DP RIB	VT2P	Y	96	AC,P2
Golden Harvest	G00A97-AA	AA	Y	100	AVC,C2,Vi,Va
Golden Harvest	G99A37-DV	DV	Y	99	AVC,C2,Vi,Va
Hefty	H4653 RIB	VT2PDG	Y	96	HC
Hefty	H4732	VT2P	N	97	HC
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Hefty	H5062	VT2P	N	100	HC
Heine	6500	VT2P	N	98	AC,P2
Heine	6510	STX	N	98	AC,P5V,EDC-EL
Heine	6555	VT2P	N	98	AC,P5V,EDC-EL
Heine	6575VT2PRIB	VT2P	Y*	99	AC,P2
Heine	6600VT2PRO	VT2P	N	99	CM,C2,Vi
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,SU+Zn
Integra	4993 TRERIB	TRE	N	99	AC,P5V
Integra	5052 VT2PRIB	VT2P	Y	100	AC,P5V,SU+Zn
Jacobsen	JS7046VT2PR	VT2P	Y	98	AC,P2,Va
Jacobsen	JS8053TRE	TRE	N	98	AC,P2,Va
Latham	LH 4657 VT2P RIB	VT2P	Y	96	AC,P2
Latham	LH 4669 SS RIB	STX	Y	96	AC,P5V
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
NK Brand	NK0007-AA	AA	Y	100	AVC,C2,Vi,Va
NK Brand	NK9874-V	V	Y	98	AVC,C2,Vi,Va
Proseed	2196 VT2PRIB	VT2P	Y	96	CM,C2,Vi,Va
Proseed	2398 TRE	VT2P	Y	98	AC,P5
REA	100T19	TRE	Y	100	AC,P5V,EDC-B
REA	4B976	VT2P	Y	97	AC,P5V,EDC-B
REA	5B994	VT2P	Y	99	AC,P5V,EDC-B
REA	96A49	STX	Y	96	AC,P5V,EDC-B
REA	98A15	STX	Y	98	AC,P5V,EDC-B

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK561DGVT2P	VT2PDG	N	95	AC,P2
Renk	RK579DGVT2P	VT2PDG	Y	99	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P2
Rob-See-Co	RC4767-3220	V	Y	97	AVC,C2,Vi,Va
Rob-See-Co	RC4838-3010	3010	N	98	AC,P2
Rob-See-Co	RC4881-5122	D	Y	98	AVC,C2,Vi
Rob-See-Co	RC4983-5222	DV	Y	99	AVC,C2,Vi,Va
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	T6999 VT2P	VT2P	Y	99	AC,P2
Thunder	T8396 SS	STX	Y	96	AC,P5V,EDC-B

* 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

3010	Agrisure® 3010 (GT,CB,LL), formerly GT/CB/LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3110A	Agrisure® Artesian® 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
QR	Qrome™
STX	SmartStax®
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,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron® BASIC Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
HC	Hefty Complete
Lum, L1	(2022) LumiGEN, Lumisure 1250

* Seed treatments may include unspecified plant health promoting components.