

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

2021 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] CLEAR LAKE, SD
Greg Lanners, Deuel County, SD 57226

Early-Season Test 91 - 95 Day CRM
B2021SDNE04a

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

PREV. CROP/HERB: Oat / 24-D, Lv6

SOIL DESCRIPTION: Vienna-Brookings silty clay loam,
well drained, non-irrigated

SOIL CONDITION: Conventional W/ Fall Till, very
high P, very high K, 6.6 pH,
5.2% OM, 21.3 CEC

PEST MANAGEMENT: Force, Resicore, Round Up

FERTILITY - Applied N: 175 Spring, 24 sulfur, zinc

Applied N-P-K (units): 175-50-50

SEEDED - RATE - ROW: May 10 32.0 /A 30" spacing

HARVESTED - STAND: Oct 26 30.9 /A

TEST COMMENTS:

We had good conditions this spring and in June a nice even stand. Except for two small thistle patches, we had good weed control. This plot has good heavy soils and impressive stalk strength at harvest. The late-season test was 15 bushels better average than the early season test. Through July we show 6.5 inches below average rainfall. August was above average. The late-season tests showed the more consistent results this year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Heine	6215VT2PRO ↗	VT2P	95	213.0	17.1	1	31.9	1052	1	
Federal	4185 VT2PRIB ↗	VT2P	91	207.8	16.2	1	31.9	1031	2	
Latham	LH 4454 VT2P RIB ↗	VT2P	94	206.9	16.6	1	31.9	1025	3	
Dairyland	DS-3550AM ↗	AM	95	206.1	16.5	1	31.0	1021	4	
Golden Harvest	G91V51-5222A EZR ↗	5222A	91	205.6	17.1	1	31.4	1015	5	
NK Brand	NK9175-5222A EZR ↗	5222A	91	203.3	16.4	2	31.9	1008	7	
Hefty	H4322 RIB ↗	VT2P	93	203.2	16.2	1	31.4	1009	6	
Integra	4119 VT2PRIB ↗	VT2P	91	201.0	16.4	1	31.0	997	8	
REA	4B958 ↗	VT2P	95	199.5	17.7	1	30.5	981	11	
Thunder	T6294 VT2P ↗	VT2P	94	198.5	16.8	1	31.4	982	10	
Renk	RK429-3220A ↗	3220A	93	198.4	15.7	1	31.9	988	9	
Heine	6200VT2PRIB ↗	VT2P	95	198.1	16.9	4	31.4	979	12	
REA	4B944 ↗	VT2P	94	197.4	17.0	1	31.9	975	14	
Thunder	T6992 VT2P ↗	VT2P	92	197.1	16.6	2	31.9	976	13	
Integra	4311 VT2PRIB ↗	VT2P	93	195.9	16.6	1	30.9	970	15	
Latham	LH 4242 VT2P RIB ↗	VT2P	92	195.9	16.6	1	31.4	970	16	
Titan Pro	82-95 2P ↗	VT2P	95	195.5	16.9	2	31.9	967	17	
Heine	6450VT2PRO ↗	VT2P	95	195.5	17.7	1	31.9	962	18	
Heine	6330DGV2PRO ↗	VT2PDG	95	194.4	17.1	1	30.9	960	19	
Heine	6230VT2PRIB ↗	VT2P	95	193.0	16.6	1	31.0	956	20	
Thunder	T6993 VT2P ↗	VT2P	93	192.5	16.1	1	31.4	956	21	
Latham	LH 4517 VT2P RIB ↗	VT2P	95	192.3	16.8	2	30.5	951	22	
Federal	4220 VT2PRIB ↗	VT2P	92	192.2	16.7	1	26.6	951	23	
Hefty	H4332 RIB ↗	VT2P	93	191.6	16.4	1	31.9	950	24	
Proseed	1794 VT2PRIB ↗	VT2P	94	191.5	16.6	1	30.0	948	25	
Dairyland	DS-3366AM ↗	AM	93	191.2	16.4	1	31.9	948	26	
Federal	4520 VT2PDG ↗	VT2PDG	95	190.1	16.6	1	30.0	942	27	
Thunder	T6595 VT2P ↗	VT2P	95	190.0	17.2	1	28.6	937	28	
Dairyland	DS-3162Q ↗	QR	91	188.0	15.6	1	30.5	937	29	
Rob-See-Co	RC4166-3110A ↗	3110A	91	186.4	15.7	3	31.0	928	30	
DeKalb	DKC47-54RIB CK	STX	97	187.2	17.6	1	31.4	921	31	
				Averages =	190.5	16.5	1	30.9	944	
				LSD (0.10) =	14.7	0.5	2			
				LSD (0.25) =	7.7	0.2	1			
				C.V. =	7.3					

Mark Tollefson

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

Historic yield: 188.59 bu/a, 15 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.2 Drying = \$0.03 Prices: GMO = \$5.00

Report Date: 10/26/2021

† 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

©2021, All rights reserved by Elite Field Genetics, LLC

Additional reports available at www.firstseedtests.com

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

2021 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] CLEAR LAKE, SD
Greg Lanners, Deuel County, SD 57226

Full-Season Test	96 - 100 Day CRM B2021SDNE04b
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Oat / 24-D, Lv6
SOIL DESCRIPTION:	Vienna-Brookings silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 6.6 pH, 5.2% OM, 21.3 CEC
PEST MANAGEMENT:	Force, Resicore, Round Up
FERTILITY - Applied N:	175 Spring, 24 sulfur, zinc
Applied N-P-K (units):	175-50-50
SEEDED - RATE - ROW:	May 10 32.0 /A 30" spacing
HARVESTED - STAND:	Oct 26 28.8 /A

TEST COMMENTS:

We had good conditions this spring and in June a nice even stand. Except for two small thistle patches, we had good weed control. This plot has good heavy soils and impressive stalk strength at harvest. The late-season test was 15 bushels better average than the early season test. Through July we show 6.5 inches below average rainfall. August was above average. The late-season tests showed the more consistent results this year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Latham	LH 5025 VT2PDG RIB ↗	VT2PDG	100	221.7	17.8	1	29.0	1090	1
Proseed	1996 VT2PRIB ↗	VT2P	96	221.4	17.9	1	29.0	1088	2
Dairyland	DS-3959Q ↗	QR	99	220.7	18.2	1	29.5	1082	4
Heine	6575VT2PRO ↗	VT2P	99	220.2	17.5	1	29.0	1085	3
Titan Pro	11-98 2P ↗	VT2P	98	219.3	17.8	1	28.6	1078	5
Federal	4990 VT2PRIB ↗	VT2P	99	218.8	18.2	1	29.0	1073	7
REA	4B976 ↗	VT2P	97	218.4	17.7	1	28.6	1074	6
Dairyland	DS-4000AMXT ↗	AMXT	100	217.9	17.5	1	28.6	1073	8
Heine	6500VT2PRO ↗	VT2P	98	216.8	18.4	1	28.5	1062	9
Titan Pro	22-00 2P ↗	VT2P	100	216.8	19.1	1	30.0	1057	10
Hefty	H5055 ↗	TRE	100	215.1	18.1	1	29.0	1056	11
Thunder	T8100 SS ↗	STX	100	215.1	18.4	1	30.0	1053	13
Renk	RK579DGVT2P ↗	VT2PDG	99	214.5	18.7	1	29.0	1049	17
Dyna-Gro	D38VC80 ↗	VT2P	98	214.4	18.6	1	30.0	1049	18
Heine	6600VT2PRO ↗	VT2P	99	214.3	18.2	1	28.5	1051	15
Hefty	H4942 RIB ↗	VT2P	99	214.1	17.6	1	28.1	1054	12
Thunder	T6996 VT2P ↗	VT2P	96	213.8	17.5	2	28.5	1053	14
Thunder	T6298 VT2P ↗	VT2P	98	213.6	17.7	1	28.1	1050	16
Integra	5052 VT2PRIB ↗	VT2P	100	213.0	18.8	1	27.6	1041	23
Federal	4880 VT2PRIB ↗	VT2P	98	212.6	18.0	1	28.1	1044	19
Heine	6650TRE ↗	TRE	99	212.4	18.6	1	29.5	1039	24
Renk	RK590VT2P ↗	VT2P	98	212.1	17.7	1	29.0	1043	20
REA	5B984 ↗	VT2P	98	211.9	17.7	1	29.0	1042	21
REA	4B965 ↗	VT2P	97	211.6	17.5	1	30.0	1042	22
Pioneer	P0075Q GC ↗	QR	100	210.2	18.4	1	30.5	1030	25
Renk	RK593VT2PRIB ↗	VT2P	97	210.0	18.2	1	28.1	1030	26
Golden Harvest	G98M44-5122 EZR ↗	5122	98	209.2	17.7	1	28.1	1029	27
Dairyland	DS-4014Q ↗	QR	100	208.4	17.6	1	29.5	1026	28
Latham	LH 5047 VT2P RIB ↗	VT2P	100	208.1	17.9	1	28.0	1023	30
Dairyland	DS-3715AM ↗	AM	97	207.5	17.0	1	28.5	1025	29
DeKalb	DKC47-54RIB CK	STX	97	206.4	18.2	1	27.1	1012	36

Averages = **206.3** **18.1** **1** **28.8** **1012**

LSD (0.10) = 12.0 0.6 ns

LSD (0.25) = 6.3 0.3 ns

C.V. = 5.5

Historic yield: 188.59 bu/a, 15 yr(s)

Mark Tollefson

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

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.2 Drying = \$0.03 Prices: GMO = \$5.00

Report Date: 10/26/2021

† 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

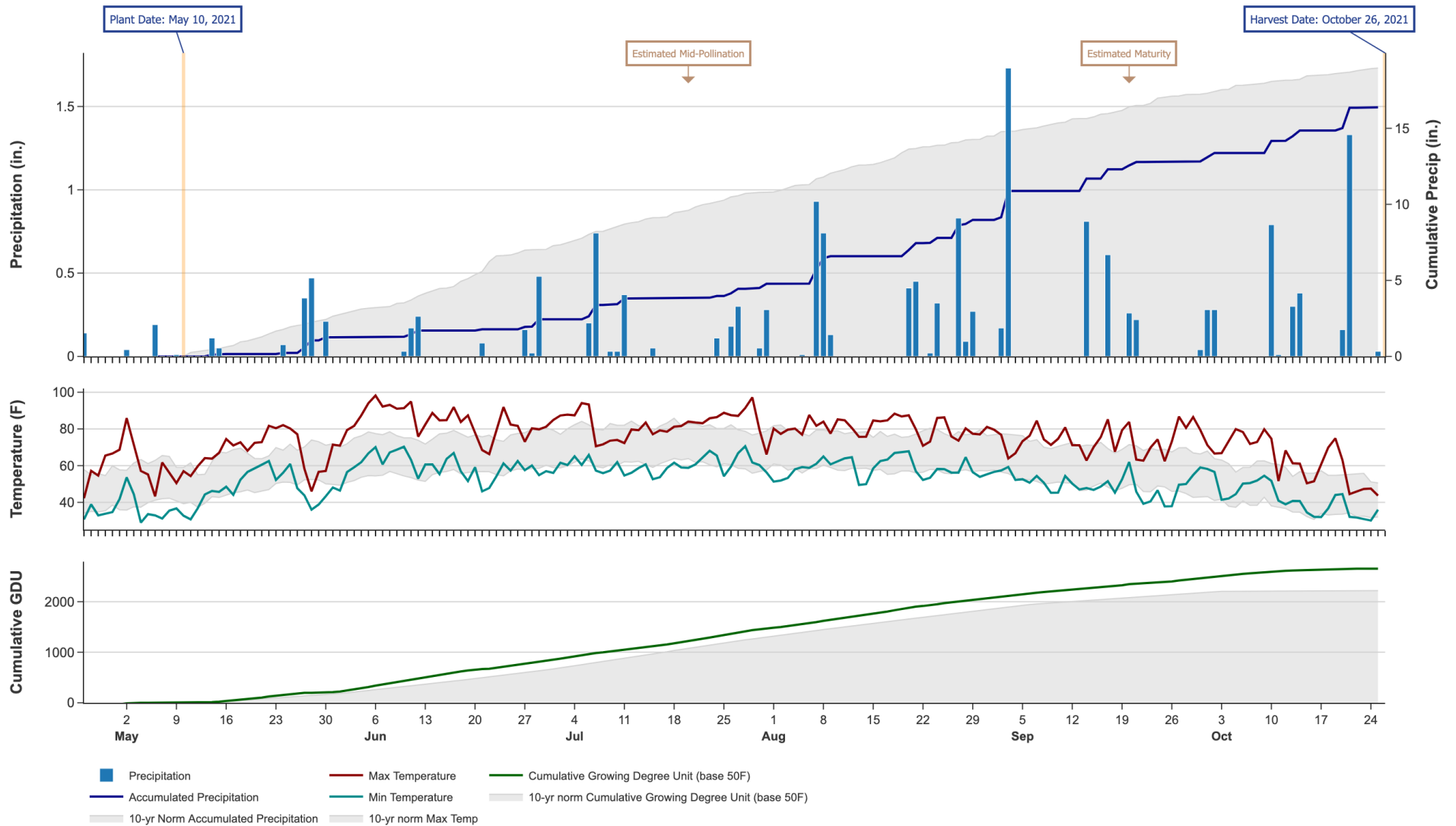
©2021, All rights reserved by Elite Field Genetics, LLC

Additional reports available at www.firstseedtests.com

2021 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at CLEAR LAKE, SD

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.1 0.5 (-0.3)	1.5 3.7 (-2.2)	1.2 4.4 (-3.2)	2.3 3.8 (-1.4)	4.2 3.7 (+0.5)	3.8 2.8 (+1.1)	3.6 1.7 (+1.8)	16.8 20.5 (-3.7)
GDU Normal (Diff)	8 0 (+8)	252 210 (+41)	616 474 (+141)	640 645 (-5)	608 553 (+54)	397 333 (+63)	179 34 (+144)	2700 2252 (+447)



* 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 - South Dakota Northeast [SDNE]

Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Dairyland	DS-3162Q	QR	Y	91	Lum,P1V
Dairyland	DS-3193AM	AM	Y	91	Lum,P1V
Dairyland	DS-3366AM	AM	Y	93	Lum,P1V
Dairyland	DS-3550AM	AM	Y	95	Lum,P1V
DeKalb	DKC47-54RIB CK	STX	Y	97	AC,P5V,EDC-EL
Federal	4185 VT2PRIB	VT2P	Y	91	AC,P2,MAG
Federal	4220 VT2PRIB	VT2P	Y	92	AC,P2,MAG
Federal	4300 VT2PRIB	VT2P	Y	93	AC,P2,MAG
Federal	4520 VT2PDG	VT2PDG	N	95	AC,P5V,MAG
Federal	4580 VT2PRIB	VT2P	Y	95	AC,P2,MAG
Golden Harvest	G91V51-5222A EZR	5222A	Y	91	AVC,C2,Vi
Hefty	H4032	VT2P	N	90	HC
Hefty	H4132	VT2P	N	91	HC
Hefty	H4322 RIB	VT2P	Y	93	HC
Hefty	H4332 RIB	VT2P	Y	93	HC
Heine	6200VT2PRIB	VT2P	Y	95	AC250
Heine	6215VT2PRO	VT2P	N	95	AC,P5
Heine	6230VT2PRIB	VT2P	Y	95	AC250
Heine	6330DGVT2PRO	VT2PDG	N	95	AC,P5V,EDC-B
Heine	6450VT2PRO	VT2P	N	95	AC,P5
Integra	4041 VT2PRIB	VT2P	Y	90	AC,P5,SU
Integra	4119 VT2PRIB	VT2P	Y	91	AC,P2,SU
Integra	4311 VT2PRIB	VT2P	Y	93	AC,P5V,SU
Integra	4509 VT2PRIB	VT2P	Y	95	AC,P2,SU
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
NK Brand	NK9175-5222A EZR	5222A	Y	91	CM,C2,Vi
Proseed	1794 VT2PRIB	VT2P	Y	94	AVC,C2,Vi
REA	3B912	VT2P	Y	91	AC,P5,B360
REA	4B933	VT2P	Y	93	AC,P5,B360
REA	4B944	VT2P	Y	94	AC,P5,B360
REA	4B958	VT2P	Y	95	AC,P5,B360
Renk	RK429-3220A	3220A	N	93	CM,C2
Renk	RK485DGVT2P	VT2PDG	N	94	AC,P5V
Rob-See-Co	RC4166-3110A	3110A	N	91	AVC,C2,Vi
Rob-See-Co	RC4427-3220	3220	Y	94	CM,C2,Vi
Rob-See-Co	RC4535-3110	3110	N	95	CM,C2,Vi
Thunder	T6294 VT2P	VT2P	Y	94	AC,P5,B360
Thunder	T6595 VT2P	VT2P	Y	95	AC,P2
Thunder	T6791 VT2P	VT2P	Y	91	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Thunder	T6992 VT2P	VT2P	Y	92	AC,P2
Thunder	T6993 VT2P	VT2P	Y	93	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.

2021 Corn - South Dakota Northeast [SDNE]

Full-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Channel	199-29 STXRIB GC	STX	Y	99	AC,P5
Dairyland	DS-3715AM	AM	Y	97	Lum,P1V
Dairyland	DS-3727AM	AM	Y	97	Lum,P1V
Dairyland	DS-3959Q	QR	Y	99	Lum,P1V
Dairyland	DS-4000AMXT	AMXT	Y*	100	Lum,P1V
Dairyland	DS-4014Q	QR	Y	100	Lum,P1V
DeKalb	DKC47-54RIB CK	STX	Y	97	AC,P5V,EDC-EL
DeKalb	DKC48-95RIB GC	VT2P	Y	98	AC,P5V,EDC-EL
Dyna-Gro	D38VC80	VT2P	N	98	AC,P5V
Dyna-Gro	D40VC41	VT2P	N	100	AC,P5V
Enestvedt	E600DP RIB	VT2P	Y	99	AC250
Enestvedt	E658DP RIB	VT2P	Y	96	AC250
Enestvedt	E699DP RIB	VT2P	Y	99	AC250
Federal	4820 VT2P	VT2P	N	98	AC,P5V,MAG
Federal	4880 VT2PRIB	VT2P	Y	98	AC,P2,MAG
Federal	4990 VT2PRIB	VT2P	Y	99	AC,P2,MAG
Federal	4999 VT2PRIB	VT2P	Y	99	AC,P2,MAG
Federal	5000 VT2PRIB	VT2P	Y	100	AC,P2,MAG
Golden Harvest	G00H12-5122 EZR	5122	Y	100	AVC,C2,Vi
Golden Harvest	G96R61-5222 EZR	5222	Y	96	AVC,C2,Vi
Golden Harvest	G98M44-5122 EZR	5122	Y	98	AVC,C2,Vi
Golden Harvest	G99E68-5122 EZR	5122	Y	99	AVC,C2,Vi
Hefty	H4653 RIB	VT2PDG	Y	96	HC
Hefty	H4842 RIB	VT2P	Y	98	HC
Hefty	H4933 RIB	VT2PDG	Y	99	HC
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Heine	6500VT2PRO	VT2P	N	98	AC250
Heine	6575VT2PRO	VT2P	N	99	AC,P5V,EDC-B
Heine	6600VT2PRO	VT2P	N	99	AC,P5
Heine	6650TRE	TRE	N	99	AC,P5
Heine	7010VT2PRO	VT2P	N	100	CM,C2
Innotech	IC4660-5222	5222	Y	96	AVC,C2,Vi
Innotech	IC4881-5122-EZ	5122	Y	98	AVC,C2,Vi
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,EDC-B
Integra	5052 VT2PRIB	VT2P	Y	100	AC,P5V,EDC-B
Latham	LH 4657 VT2P RIB	VT2P	Y	96	AC,P2
Latham	LH 4937 VT2P RIB	VT2P	Y	99	AC,P2
Latham	LH 4957 VT2P RIB	VT2P	Y	99	AC,P5V,EDC-B
Latham	LH 5025 VT2PDG RIB	VT2PDG	Y	100	AC,P2
Latham	LH 5047 VT2P RIB	VT2P	Y	100	AC,P2
NK Brand	NK9653-5222 EZR	5222	Y	96	AVC,C2,Vi

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
NK Brand	NK9930-5122 EZR	5122	Y	99	AVC,C2,Vi
NK Brand	NK9991-5122 EZR	5122	Y	99	AVC,C2,Vi
Pioneer	P0075Q GC	QR	Y	100	Lum
Proseed	1996 VT2PRIB	VT2P	Y	96	AVC,C2,Vi
REA	4B965	VT2P	Y	97	AC,P2,B360
REA	4B976	VT2P	Y	97	AC,P5,B360
REA	5B984	VT2P	Y	98	AC,P5,B360
REA	5B994	VT2P	Y	99	AC,P5,B360
Renk	RK561DGVT2PRIB	VT2PDG	Y	95	AC,P2
Renk	RK579DGVT2P	VT2PDG	Y	99	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P5V
Renk	RK593VT2PRIB	VT2P	Y	97	AC,P2
Renk	RK600VT2P	VT2P	N	100	AC,P2
Thunder	T6100 VT2P	VT2P	Y	100	AC,P2
Thunder	T6298 VT2P	VT2P	Y	98	AC,P5,B360
Thunder	T6996 VT2P	VT2P	Y	96	AC,P2
Thunder	T6999 VT2P	VT2P	Y	99	AC,P2
Thunder	T8100 SS	STX	Y	100	AC,P5
Titan Pro	11-98 2P	VT2P	Y	98	AC,P5
Titan Pro	16-00 5222	5222	Y	100	AVC,C2,Vi
Titan Pro	22-00 2P	VT2P	Y	100	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

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3110A	Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3220A	Agrisure® Artesian® Viptera® 3220 (Vip,CB,HX,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
QR	Qrome™
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,B360	Acceleron® 250 with BioRise™ B-360 ST
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,P5,SU	Acceleron® 500, StepUp
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,MAG	Acceleron® Poncho 500/Votivo, Federal ArmourGuard
AC,P5V,SU	Acceleron® Poncho 500/Votivo, StepUp
AVC,C2,Vi	Avicta® Complete 250, 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

* Seed treatments may include unspecified plant health promoting components.