

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

2021 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] BATH, SD
Scott Sperry, Brown County, SD 57427

Early-Season Test	91 - 95 Day CRM B2021SDNE01a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Sonic, Round-Up
SOIL DESCRIPTION:	Great Bend silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Strip-Till, very high P, very high K, 5.9 pH, 5.7% OM, 20.2 CEC
PEST MANAGEMENT:	Round-Up Weather Max, Authority Mtz, Sharpen
FERTILITY - Applied N:	156 Spring
Applied N-P-K (units):	156-100-0
SEEDED - RATE - ROW:	May 11 32.0 /A 30" spacing
HARVESTED - STAND:	Nov 3 30.3 /A

TEST COMMENTS:

We had good spring conditions and timely planting. In June, we saw leaves starting to curl in the heat but stands were consistent and even. At harvest, we saw some stalk lodging across the whole plot and some variance in yields can be attributed to it. The full-season test also had a higher degree of stalk lodging. From June 6 to August 6, the weather summary shows just about an inch of rain fell, so to have an average plot yield of around 230 bushels is kind of amazing.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	4B958 ↗	VT2P	95	266.5	17.6	5	28.5	1308	1
Integra	4311 VT2PRIB ↗	VT2P	93	257.5	16.9	8	30.9	1270	2
Rob-See-Co	RC4535-3110 ↗	3110	95	255.9	16.7	6	31.0	1264	3
Hefty	H4332 RIB ↗	VT2P	93	251.6	16.6	3	30.5	1244	4
Heine	6450VT2PRO ↗	VT2P	95	251.1	17.8	5	31.0	1231	8
Federal	4220 VT2PRIB ↗	VT2P	92	251.1	16.5	11	30.0	1243	5
Heine	6200VT2PRIB ↗	VT2P	95	250.9	16.8	14	30.0	1238	6
Thunder	T6992 VT2P ↗	VT2P	92	250.4	16.9	11	29.5	1236	7
Hefty	H4322 RIB ↗	VT2P	93	249.1	16.7	3	30.5	1230	9
Heine	6215VT2PRO ↗	VT2P	95	248.8	16.8	10	30.5	1228	10
Latham	LH 4242 VT2P RIB ↗	VT2P	92	246.9	16.3	7	31.5	1223	11
Titan Pro	82-95 2P ↗	VT2P	95	245.9	17.5	3	28.5	1208	14
Thunder	T6595 VT2P ↗	VT2P	95	245.9	17.0	5	28.1	1212	13
REA	4B933 ↗	VT2P	93	245.8	16.8	5	30.5	1214	12
Federal	4580 VT2PRIB ↗	VT2P	95	242.2	17.2	10	31.4	1192	16
Heine	6230VT2PRIB ↗	VT2P	95	241.7	17.2	5	31.4	1190	18
Proseed	1794 VT2PRIB ↗	VT2P	94	241.6	17.4	11	29.0	1187	19
Rob-See-Co	RC4166-3110A ↗	3110A	91	241.2	16.5	6	30.9	1193	15
REA	3B912 ↗	VT2P	91	240.7	16.4	6	30.5	1192	17
Latham	LH 4454 VT2P RIB ↗	VT2P	94	239.3	16.9	1	30.9	1180	21
Dairyland	DS-3162Q ↗	QR	91	238.7	16.1	10	29.5	1185	20
Federal	4185 VT2PRIB ↗	VT2P	91	237.9	16.8	8	31.4	1175	22
Golden Harvest	G91V51-5222A EZR ↗	5222A	91	237.1	16.8	8	31.4	1171	24
Thunder	T6993 VT2P ↗	VT2P	93	237.1	16.6	6	28.5	1172	23
Dairyland	DS-3550AM ↗	AM	95	236.9	16.9	2	30.0	1169	25
NK Brand	NK9175-5222A EZR ↗	5222A	91	236.4	17.2	6	31.0	1164	26
Rob-See-Co	RC4427-3220 ↗	3220	94	230.8	17.2	4	29.5	1136	29
Thunder	T6791 VT2P ↗	VT2P	91	230.1	16.3	11	31.4	1140	28
Latham	LH 4375 VT2P RIB ↗	VT2P	93	229.8	16.0	4	30.9	1141	27
Heine	6330DGVT2PRO ↗	VT2PDG	95	229.3	17.1	11	30.5	1129	30
DEKALB	DKC47-54RIB CK	STX	97	210.9	17.5	13	28.5	1036	43
				Averages =	235.8	16.9	7	30.3	1164
				LSD (0.10) =	19.0	0.4	ns		
				LSD (0.25) =	10.0	0.2	ns		
				C.V. =	7.6				
				Historic yield: 202.77 bu/a, 19 yr(s)					



Mark Tollefson

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

Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.2 Drying = \$0.035 Prices: GMO = \$5.00

Report Date: 11/06/2021

† 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] BATH, SD
Scott Sperry, Brown County, SD 57427

Full-Season Test	96 - 100 Day CRM B2021SDNE01b
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Sonic, Round-Up
SOIL DESCRIPTION:	Great Bend silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Strip-Till, very high P, very high K, 5.9 pH, 5.7% OM, 20.2 CEC
PEST MANAGEMENT:	Round-Up Weather Max, Authority Mtz, Sharpen
FERTILITY - Applied N:	156 Spring
Applied N-P-K (units):	156-100-0
SEEDED - RATE - ROW:	May 11 32.0 /A 30" spacing
HARVESTED - STAND:	Nov 3 29.3 /A

TEST COMMENTS:

We had good spring conditions and timely planting. In June, we saw leaves starting to curl in the heat but stands were consistent and even. At harvest, we saw some stalk lodging across the whole plot and some variance in yields can be attributed to it. The full-season test also had a higher degree of stalk lodging. From June 6 to August 6, the weather summary shows just about an inch of rain fell, so to have an average plot yield of around 230 bushels is kind of amazing.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dyna-Gro	D38VC80 ↗	VT2P	98	274.1	17.0	21	29.1	1352	1
Heine	6500VT2PRO ↗	VT2P	98	268.3	17.1	38	29.5	1321	2
REA	5B994 ↗	VT2P	99	264.5	17.0	18	30.5	1304	3
Titan Pro	22-00 2P ↗	VT2P	100	260.4	18.0	5	30.5	1275	4
Renk	RK579DGVT2P ↗	VT2PDG	99	256.0	17.9	15	29.0	1254	6
REA	5B984 ↗	VT2P	98	255.3	16.7	8	29.5	1262	5
Dairyland	DS-4000AMXT ↗	AMXT	100	255.0	17.4	23	29.0	1254	7
Dairyland	DS-4014Q ↗	QR	100	250.1	17.2	21	30.5	1231	8
Thunder	T6996 VT2P ↗	VT2P	96	248.7	16.9	25	30.5	1227	9
Heine	6600VT2PRO ↗	VT2P	99	248.1	17.0	27	29.0	1223	11
Heine	6575VT2PRO ↗	VT2P	99	247.6	16.7	29	31.4	1223	12
Hefty	H4942 RIB ↗	VT2P	99	247.6	16.6	26	29.5	1224	10
Dairyland	DS-3715AM ↗	AM	97	247.3	16.9	19	30.5	1220	13
Hefty	H4933 RIB ↗	VT2PDG	99	247.0	17.6	23	29.5	1213	14
NK Brand	NK9991-5122 EZR ↗	5122	99	245.2	18.8	11	30.0	1193	18
Innotech	IC4881-5122-EZ ↗	5122	98	244.7	18.4	8	30.5	1194	17
Enestvedt	E699DP RIB ↗	VT2P	99	244.7	16.9	13	30.5	1207	15
Thunder	T6298 VT2P ↗	VT2P	98	243.8	16.5	6	27.1	1206	16
Pioneer	P0075Q GC ↗	QR	100	242.4	17.4	10	29.0	1191	20
Renk	RK590VT2P ↗	VT2P	98	241.8	17.0	21	30.5	1192	19
Thunder	T6100 VT2P ↗	VT2P	100	240.6	17.4	18	30.0	1183	22
Federal	4820 VT2P ↗	VT2P	98	240.2	16.7	27	27.6	1186	21
REA	4B976 ↗	VT2P	97	238.7	16.4	19	30.0	1182	23
Thunder	T8100 SS ↗	STX	100	238.3	17.5	13	30.5	1171	25
Hefty	H5055 ↗	TRE	100	238.2	16.3	25	29.0	1180	24
Heine	6650TRE ↗	TRE	99	238.0	17.3	10	27.1	1171	26
Renk	RK561DGVT2PRIB ↗	VT2PDG	95	237.2	17.5	6	26.6	1166	27
Heine	7010VT2PRO ↗	VT2P	100	237.2	17.5	11	30.0	1165	28
Integra	4702 VT2PRIB ↗	VT2P	97	235.9	16.8	15	28.1	1164	29
Golden Harvest	G96R61-5222 EZR ↗	5222	96	234.4	16.9	13	29.0	1156	31
DEKALB	DKC47-54RIB CK	STX	97	235.7	17.2	12	27.1	1160	30

Averages = **233.0** **17.3** **19** **29.3** **1148**

LSD (0.10) = 23.5 0.5 ns

LSD (0.25) = 12.3 0.3 ns

C.V. = 9.6

Historic yield: 202.77 bu/a, 19 yr(s)

Mark Tollefson

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

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.2 Drying = \$0.035 Prices: GMO = \$5.00

Report Date: 11/06/2021

† 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

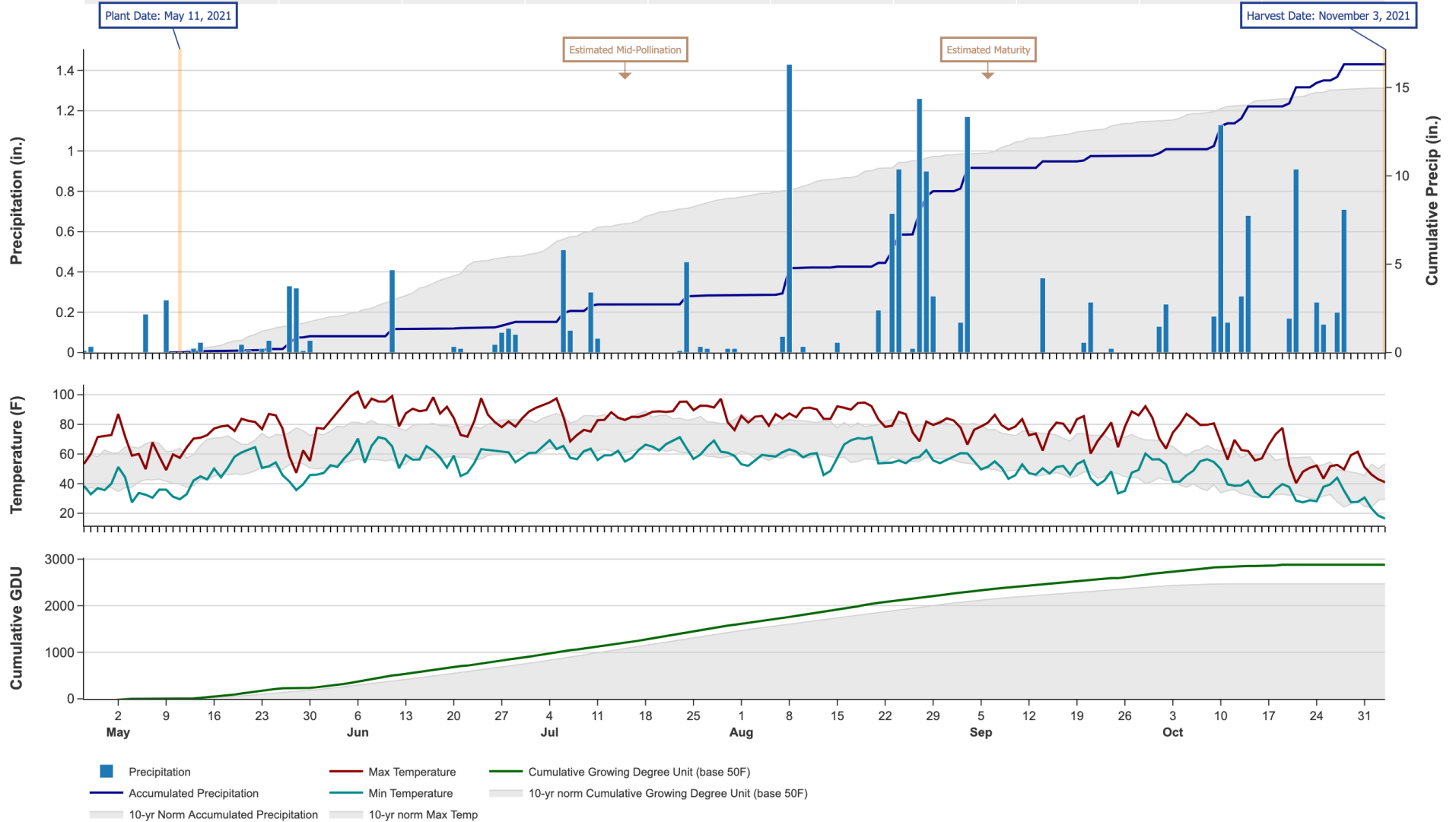
Additional reports available at www.firstseedtests.com

2021 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at BATH, SD

Weather Data Retrieved: 11/06/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	0.0 0.5 (-0.4)	1.4 2.9 (-1.5)	0.8 3.6 (-2.8)	1.5 3.3 (-1.7)	5.9 2.4 (+3.4)	2.0 1.9 (+0.1)	5.2 1.9 (+3.3)	0.0 0.0 (0.0)	16.8 16.5 (+0.3)
GDU Normal (Diff)	22 6 (+15)	290 267 (+22)	632 543 (+88)	709 701 (+7)	652 597 (+54)	443 368 (+74)	194 58 (+135)	0 0 (0)	2942 2541 (+400)



* 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	6330DGV2PRO	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	RK485DGV2P	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.