

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

## 2021 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] MANSFIELD, SD  
Chris Fischbach, Spink County, SD

<b>Early-Season Test</b>	91 - 95 Day CRM B2021SDNE02a
<b>Top 30 of 45</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Round-Up, Anthem Max
<b>SOIL DESCRIPTION:</b>	Great Bend Zell silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, high P, very high K, 6.1 pH, 3.9% OM, 19.9 CEC
<b>PEST MANAGEMENT:</b>	Sure Start 2, Atrazine, Banvel, Round-Up
<b>FERTILITY - Applied N:</b>	176 Spring
<b>Applied N-P-K (units):</b>	176-0-0
<b>SEDED - RATE - ROW:</b>	May 12 32.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 4 30.5 /A

### TEST COMMENTS:

*This plot was in good shape in June with good stands and even plant health. The weather report shows some small rain showers in July but still below average moisture. The stand was pretty good at harvest with a small amount of stalk lodging. Grain moistures were in the 16 percent range and plot yields were strong. Yields and stands were a little surprising as some fields around the area were highly lodged.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Thunder	T6992 VT2P ↗	VT2P	92	<b>248.4</b>	15.9	1	30.5	1234	1
Hefty	H4332 RIB ↗	VT2P	93	<b>240.5</b>	16.1	6	30.9	1194	2
REA	4B944 ↗	VT2P	94	<b>238.7</b>	15.2	4	30.0	1192	3
Federal	4580 VT2PRIB ↗	VT2P	95	<b>232.2</b>	16.2	3	31.4	1152	4
Heine	6230VT2PRIB ↗	VT2P	95	<b>229.5</b>	15.8	3	31.0	1141	5
Heine	6215VT2PRO ↗	VT2P	95	<b>225.8</b>	16.5	9	31.0	1117	6
Heine	6450VT2PRO ↗	VT2P	95	223.7	15.6	8	31.4	1114	7
Federal	4520 VT2PDG ↗	VT2PDG	95	222.1	15.5	4	31.4	1107	8
Federal	4300 VT2PRIB ↗	VT2P	93	221.3	16.2	4	29.5	1097	9
Thunder	T6993 VT2P ↗	VT2P	93	220.4	16.1	4	31.4	1093	11
Federal	4220 VT2PRIB ↗	VT2P	92	219.8	15.5	4	29.5	1095	10
Heine	6330DGV2PRO ↗	VT2PDG	95	218.4	16.1	2	31.0	1083	12
Integra	4311 VT2PRIB ↗	VT2P	93	217.7	15.9	3	31.0	1082	13
Renk	RK485DGV2P ↗	VT2PDG	94	217.2	16.5	7	29.5	1075	14
Renk	RK429-3220A ↗	3220A	93	215.2	15.4	3	30.0	1073	15
Hefty	H4322 RIB ↗	VT2P	93	214.2	16.0	7	31.4	1064	16
Proseed	1794 VT2PRIB ↗	VT2P	94	214.0	15.8	7	31.4	1064	17
Latham	LH 4454 VT2P RIB ↗	VT2P	94	212.8	15.9	4	30.5	1058	18
Heine	6200VT2PRIB ↗	VT2P	95	211.9	16.0	7	31.0	1052	19
NK Brand	NK9175-5222A EZR ↗	5222A	91	211.0	15.5	7	30.9	1051	20
Federal	4185 VT2PRIB ↗	VT2P	91	210.5	15.6	3	29.0	1048	21
Integra	4119 VT2PRIB ↗	VT2P	91	209.6	15.7	3	30.0	1043	22
Latham	LH 4517 VT2P RIB ↗	VT2P	95	208.7	15.9	13	30.0	1037	23
Integra	4041 VT2PRIB ↗	VT2P	90	204.0	15.5	8	31.4	1016	24
Latham	LH 4242 VT2P RIB ↗	VT2P	92	203.1	15.6	11	29.5	1011	25
Golden Harvest	G91V51-5222A EZR ↗	5222A	91	202.9	16.0	7	30.0	1008	26
Integra	4509 VT2PRIB ↗	VT2P	95	202.4	16.3	3	28.1	1003	27
Thunder	T6595 VT2P ↗	VT2P	95	201.5	15.7	3	27.6	1003	28
Latham	LH 4375 VT2P RIB ↗	VT2P	93	200.2	14.8	4	31.4	1001	29
Rob-See-Co	RC4427-3220 ↗	3220	94	199.8	15.6	11	31.9	995	30
DEKALB	DKC47-54RIB CK	STX	97	193.5	15.8	3	31.0	962	38
				<b>Averages =</b>	<b>207.8</b>	<b>15.7</b>	<b>6</b>	<b>30.5</b>	<b>1035</b>
				LSD (0.10) =	21.1	0.4	ns		
				LSD (0.25) =	11.1	0.2	ns		
				C.V. =	9.6				
				Historic yield: 231.45 bu/a, 2 yr(s)					



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**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$5.00

Report Date: 11/07/2021

† 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

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

## 2021 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] MANSFIELD, SD  
Chris Fischbach, Spink County, SD

<b>Full-Season Test</b>	<b>96 - 100 Day CRM</b> B2021SDNE02b
<b>Top 30 of 63</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Round-Up, Anthem Max
<b>SOIL DESCRIPTION:</b>	Great Bend Zell silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	No-Till, high P, very high K, 6.1 pH, 3.9% OM, 19.9 CEC
<b>PEST MANAGEMENT:</b>	Sure Start 2, Atrazine, Banvel, Round-Up
<b>FERTILITY - Applied N:</b>	176 Spring
<b>Applied N-P-K (units):</b>	176-0-0
<b>SEEDED - RATE - ROW:</b>	May 12 32.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Nov 4 29.8 /A

### TEST COMMENTS:

*This plot was in good shape in June with good stands and even plant health. The weather report shows some small rain showers in July but still below average moisture. The stand was pretty good at harvest with a small amount of stalk lodging. Grain moistures were in the 16 percent range and plot yields were strong. Yields and stands were a little surprising as some fields around the area were highly lodged.*

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Titan Pro	11-98 2P ↗	VT2P	98	<b>275.7</b>	16.3	1	30.5	1366	1
Heine	6500VT2PRO ↗	VT2P	98	<b>274.3</b>	16.4	7	30.0	1358	2
Renk	RK590VT2P ↗	VT2P	98	<b>261.6</b>	16.5	5	29.0	1295	3
Innotech	IC4881-5122-EZ ↗	5122	98	<b>260.9</b>	17.6	2	30.0	1281	4
Dairyland	DS-4014Q ↗	QR	100	<b>258.5</b>	16.6	3	29.8	1278	5
Integra	5052 VT2PRIB ↗	VT2P	100	256.2	16.7	1	30.0	1265	7
Dairyland	DS-4000AMXT ↗	AMXT	100	255.3	16.1	4	30.0	1266	6
Titan Pro	16-00 5222 ↗	5222	100	254.1	18.4	2	30.5	1240	11
Dyna-Gro	D38VC80 ↗	VT2P	98	254.0	16.0	3	29.5	1261	8
Heine	6650TRE ↗	TRE	99	252.8	16.1	10	29.5	1255	9
Latham	LH 4937 VT2P RIB ↗	VT2P	99	250.1	15.8	4	29.5	1243	10
Channel	199-29 STXRIB GC ↗	STX	99	249.9	16.3	2	30.0	1238	12
Hefty	H5055 ↗	TRE	100	249.5	16.1	9	29.0	1238	13
Federal	4999 VT2PRIB ↗	VT2P	99	247.9	16.0	5	30.5	1231	14
Latham	LH 4957 VT2P RIB ↗	VT2P	99	247.2	15.9	4	29.5	1228	15
Renk	RK593VT2PRIB ↗	VT2P	97	246.9	16.2	2	30.5	1224	16
Federal	4820 VT2P ↗	VT2P	98	246.6	16.1	1	28.6	1224	17
Federal	4990 VT2PRIB ↗	VT2P	99	246.6	16.3	3	29.5	1222	18
NK Brand	NK9991-5122 EZR ↗	5122	99	246.1	16.9	8	30.5	1214	25
Thunder	T6999 VT2P ↗	VT2P	99	245.9	16.0	4	30.0	1221	19
Renk	RK579DGVT2P ↗	VT2PDG	99	245.8	16.1	2	30.5	1219	20
Latham	LH 4657 VT2P RIB ↗	VT2P	96	245.4	16.1	6	30.5	1217	22
Dairyland	DS-3959Q ↗	QR	99	245.4	16.8	2	30.0	1212	29
Renk	RK561DGVT2PRIB ↗	VT2PDG	95	245.3	16.2	2	28.5	1216	23
Hefty	H4842 RIB ↗	VT2P	98	245.2	15.9	3	30.0	1218	21
REA	5B994 ↗	VT2P	99	244.8	16.1	6	30.0	1214	26
Hefty	H4942 RIB ↗	VT2P	99	244.8	16.3	5	29.5	1213	27
Thunder	T6996 VT2P ↗	VT2P	96	244.5	15.9	7	30.0	1215	24
Heine	6575VT2PRO ↗	VT2P	99	243.7	16.1	11	30.0	1209	30
Heine	6600VT2PRO ↗	VT2P	99	243.0	16.7	4	30.0	1200	31
DEKALB	DKC47-54RIB CK	STX	97	244.8	16.3	5	29.0	1213	28



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Averages = **240.2** **16.3** **5** **29.8** **1191**

LSD (0.10) = 17.9 0.6 6

LSD (0.25) = 9.4 0.3 3

C.V. = 7.1

Historic yield: 231.45 bu/a, 2 yr(s)

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$5.00

Report Date: 11/07/2021

† 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

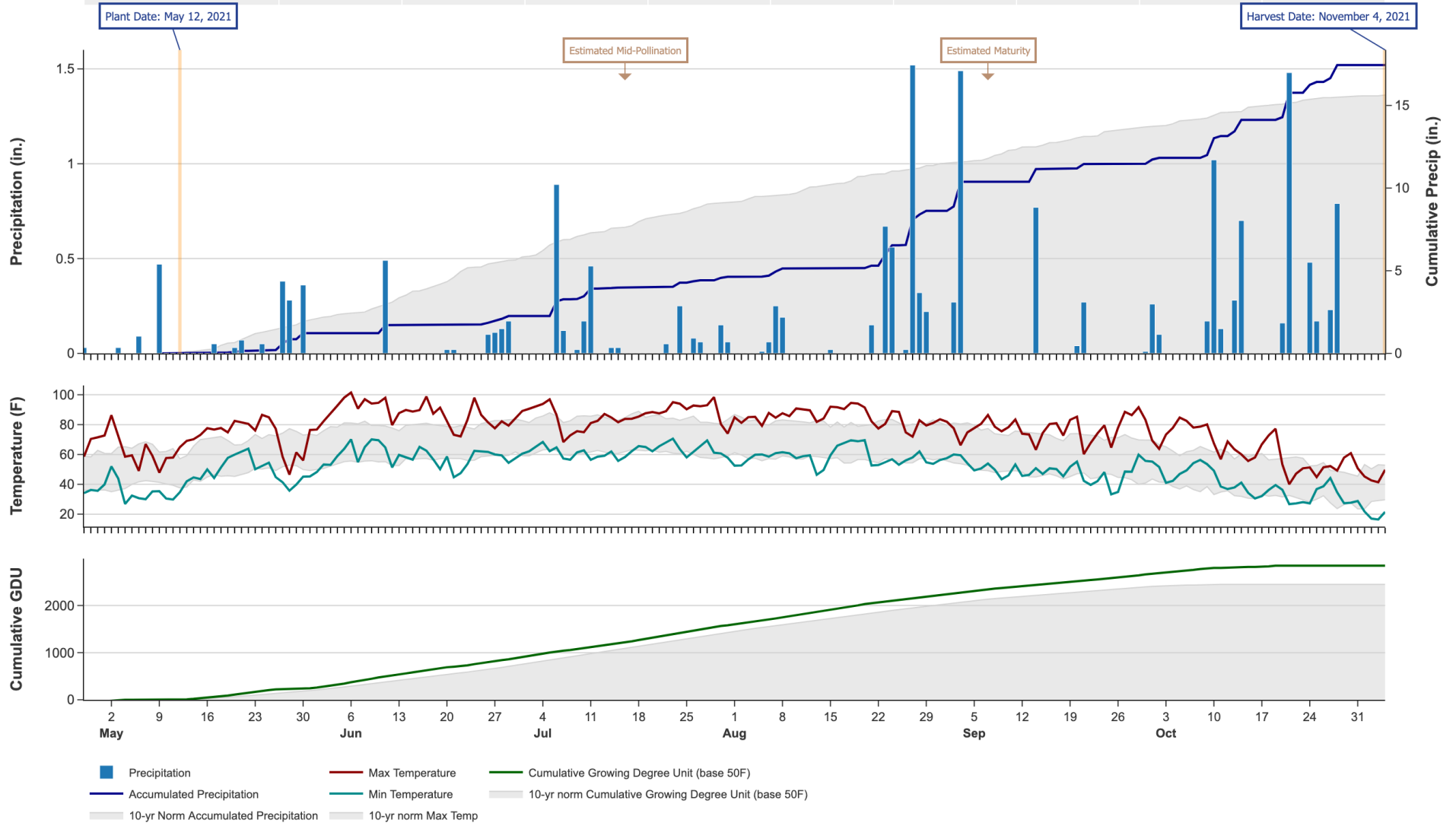
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# 2021 Corn - South Dakota Northeast [ SDNE ]

## Weather Conditions Summary at MANSFIELD, SD

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in)   Normal (Diff)	0.0   0.3 (-0.3)	1.8   3.3 (-1.5)	1.0   3.6 (-2.6)	2.4   3.5 (-1.1)	4.0   2.4 (+1.6)	2.9   2.2 (+0.6)	6.0   1.9 (+4.1)	0.0   0.1 (-0.1)	18.1   17.2 (+0.8)
GDU   Normal (Diff)	21   0 (+21)	287   263 (+23)	633   534 (+98)	703   696 (+6)	647   596 (+50)	431   370 (+60)	184   52 (+131)	0   0 (0)	2906   2514 (+391)



\* 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

<sup>^</sup> 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)
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®

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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
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

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