

Test by: Northland F.I.R.S.T., LLC Moorhead, MN

2021 Corn Grain Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]

FAIRMOUNT, ND

Rydell Farms, Richland County, ND 58030

Early-Season Test 85 - 90 Day CRM
B2021RRSO03a

Top 30 of 37 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybeans / Liberty, Verdict,
Outlook

SOIL DESCRIPTION: Antler-Mustinka silty clay loam,
mod. poorly drained, non-
irrigated

SOIL CONDITION: Conventional W/ Fall Till, very
low P, medium K, 8.0 pH, 1.8%
OM, 22.6 CEC

PEST MANAGEMENT: Laudis, Broclean

FERTILITY - Applied N: 175 Spring

Applied N-P-K (units): 175-70-78

SEEDED - RATE - ROW: May 6 34.5 /A 30" spacing

HARVESTED - STAND: Oct 4 33.4 /A

TEST COMMENTS:

The plot was planted in dry conditions and paired with a dry start to the season, some varieties had slightly delayed emergence. The surrounding area was well below the 10 year average for rainfall from May through July, with above-average rainfall in the month of August. Above-average heat units helped to have drier corn at harvest this early in October. Minimal stalk lodging was noticed in a few varieties but was not an issue during harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Rob-See-Co	RC3601-3011A ↗	3011A	86	220.1	16.3	0	33.7	1149	1	
Hefty	H4052 ↗	VT2P	90	213.5	17.0	0	33.7	1110	2	
REA	3B903 ↗	VT2P	90	207.7	15.4	1	33.7	1088	3	
Integra	4041 VT2PRIB ↗	VT2P	90	207.1	17.0	0	32.9	1077	4	
Renk	RK315VT2P ↗	VT2P	90	205.9	17.6	0	33.3	1068	5	
Latham	LH 3937 VT2P RIB ↗	VT2P	89	204.3	17.2	0	33.7	1061	6	
Golden Harvest	G90S99-5222 EZR ↗	5222	90	203.6	16.8	5	34.4	1060	7	
Proseed	1790 VT2PRIB ↗	VT2P	90	201.0	16.8	0	32.9	1046	9	
Dahlman	R45-25VT2PRIB ↗	VT2P	90	200.0	16.6	0	32.2	1042	11	
Dairyland	DS-2828AM ↗	AM	88	199.9	16.0	0	34.4	1045	10	
Renk	RK312VT2PRIB ↗	VT2P	90	199.5	15.9	2	33.7	1042	12	
Dairyland	DS-3022AM ↗	AM	90	195.1	16.9	0	33.7	1015	13	
Golden Harvest	G85Z56-3220 EZR ↗	3220	85	193.6	16.6	3	34.4	1009	14	
Latham	LH 3827 VT2P RIB ↗	VT2P	88	192.6	16.3	1	34.0	1005	15	
Innotech	IC3983-3220 ↗	3220	89	190.5	16.1	0	34.0	994	16	
Renk	RK297VT2P ↗	VT2P	89	190.3	16.3	0	34.0	993	17	
Thunder	T6190 VT2P ↗	VT2P	90	187.0	16.3	2	32.2	976	18	
Hefty	H3542 RIB ↗	VT2P	85	185.2	13.7	0	34.4	972	19	
Integra	3629 VT2PRIB ↗	VT2P	86	184.9	14.8	0	33.3	970	20	
Channel	187-20VT2PRIB GC ↗	VT2P	87	184.8	15.1	0	32.2	970	21	
Latham	LH 3695 VT2P RIB ↗	VT2P	86	184.1	15.0	2	33.3	967	22	
Hefty	H4032 RIB ↗	VT2P	90	183.6	16.5	0	32.9	957	23	
Thunder	T6888 VT2P ↗	VT2P	88	182.6	15.8	1	33.7	955	24	
Thunder	T6987 VT2P ↗	VT2P	87	181.3	14.9	0	32.9	952	25	
Golden Harvest	G90Y04-5222A EZR ↗	5222A	90	180.7	18.4	1	33.4	933	27	
REA	2B862 ↗	VT2P	86	179.5	15.6	0	32.9	940	26	
Hefty	H3922 RIB ↗	VT2P	89	178.3	15.6	0	32.2	933	28	
Enestvedt	E878DP RIB ↗	VT2P	87	176.5	15.4	2	32.9	925	29	
Channel	189-64STXRIB GC ↗	STX	89	176.4	17.6	0	33.7	915	30	
Hefty	H3712 RIB ↗	VT2P	87	174.4	15.8	1	33.3	912	31	
DeKalb	DKC41-99RIB CK	VT2P	91	201.7	15.9	0	34.4	1055	8	
				Averages =	187.0	16.0	1	33.4	976	
				LSD (0.10) =	14.8	0.7	ns			
				LSD (0.25) =	7.8	0.3	ns			
				C.V. =	8.7					
Luke Brendemuhl				Historic yield: 170.64 bu/a, 3 yr(s)						
luke.brendemuhl@firstseedtests.com, (218) 790-4497										

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.25

Report Date: 10/04/2021

† 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 Grain Top 30 Harvest Report

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FAIRMOUNT, ND

Rydell Farms, Richland County, ND 58030

Full-Season Test 91 - 95 Day CRM
B2021RRSO03b

Top 30 of 40 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybeans / Liberty, Verdict,
Outlook

SOIL DESCRIPTION: Antler-Mustinka silty clay loam,
mod. poorly drained, non-
irrigated

SOIL CONDITION: Conventional W/ Fall Till, very
low P, medium K, 8.0 pH, 1.8%
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PEST MANAGEMENT: Laudis, Broclean

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Applied N-P-K (units): 175-70-78

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HARVESTED - STAND: Oct 4 33.6 /A

TEST COMMENTS:

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Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Hefty	H4522 RIB ↗	VT2P	95	225.7	19.2	0	33.3	1161	2	
Rob-See-Co	RC4166-3110A ↗	3110A	91	225.6	18.2	5	34.0	1166	1	
Latham	LH 4454 VT2P RIB ↗	VT2P	94	215.4	19.8	0	33.3	1105	3	
Hefty	H4332 RIB ↗	VT2P	93	212.6	18.5	0	33.7	1098	4	
REA	4B958 ↗	VT2P	95	212.5	19.6	0	33.3	1091	7	
Integra	4509 VT2PRIB ↗	VT2P	95	211.8	18.7	0	33.3	1092	6	
Proseed	1794 VT2PRIB ↗	VT2P	94	211.6	18.5	1	33.3	1093	5	
Dairyland	DS-3550AM ↗	AM	95	211.0	19.6	0	33.7	1083	9	
AgriGold	A625-78VT2RIB GC ↗	VT2P	95	210.8	18.0	0	34.0	1091	8	
Thunder	T6595 VT2P ↗	VT2P	95	210.3	19.6	0	33.3	1080	11	
Dahlman	R47-24VT2PRIB ↗	VT2P	94	209.4	18.2	3	33.7	1082	10	
Latham	LH 4375 VT2P RIB ↗	VT2P	93	208.4	17.7	3	32.9	1080	12	
Rob-See-Co	RC4535-3110 ↗	3110	95	208.2	18.0	0	34.4	1077	13	
Dyna-Gro	D35VC35 ↗	VT2P	95	205.4	17.3	0	33.3	1067	14	
Latham	LH 4242 VT2P RIB ↗	VT2P	92	204.7	18.5	1	32.9	1057	16	
Enestvedt	E612RR ↗	RR2	92	204.1	18.5	2	34.0	1054	17	
Dairyland	DS-3366AM ↗	AM	93	203.7	18.4	0	34.4	1052	19	
REA	4B944 ↗	VT2P	94	203.6	18.1	0	34.0	1053	18	
Renk	RK429-3220A ↗	3220A	93	202.5	18.3	12	32.9	1046	21	
Integra	4311 VT2PRIB ↗	VT2P	93	202.3	17.7	0	34.4	1048	20	
Hefty	H4222 RIB ↗	VT2P	92	200.7	18.1	0	32.9	1038	23	
AgriGold	A621-77VT2RIB GC ↗	VT2P	91	200.2	17.4	0	33.7	1039	22	
Channel	195-85DGV2PRIB GC ↗	VT2P	95	200.1	19.7	1	32.9	1027	24	
Thunder	T6993 VT2P ↗	VT2P	93	198.9	18.5	0	34.0	1027	25	
Latham	LH 4517 VT2P RIB ↗	VT2P	95	198.4	19.2	1	32.9	1021	26	
Dahlman	R48-28VT2PRIB ↗	VT2P	95	196.0	19.4	1	32.9	1008	27	
Thunder	T6992 VT2P ↗	VT2P	92	191.2	17.9	0	34.0	990	28	
Thunder	T6791 VT2P ↗	VT2P	91	190.5	18.2	0	33.7	984	29	
Integra	4119 VT2PRIB ↗	VT2P	91	190.2	18.2	0	33.3	984	30	
Dairyland	DS-3162Q ↗	QR	91	189.1	17.0	0	33.7	984	31	
DeKalb	DKC41-99RIB CK	VT2P	91	203.6	17.0	1	34.0	1059	15	
				Averages =	200.9	18.4	2	33.6	1038	
				LSD (0.10) =	11.5	0.8	3			
				LSD (0.25) =	6.0	0.4	1			
				C.V. =	6.3					
										Historic yield: 170.64 bu/a, 3 yr(s)

Luke Brendemuhl

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$5.25

Report Date: 10/04/2021

† 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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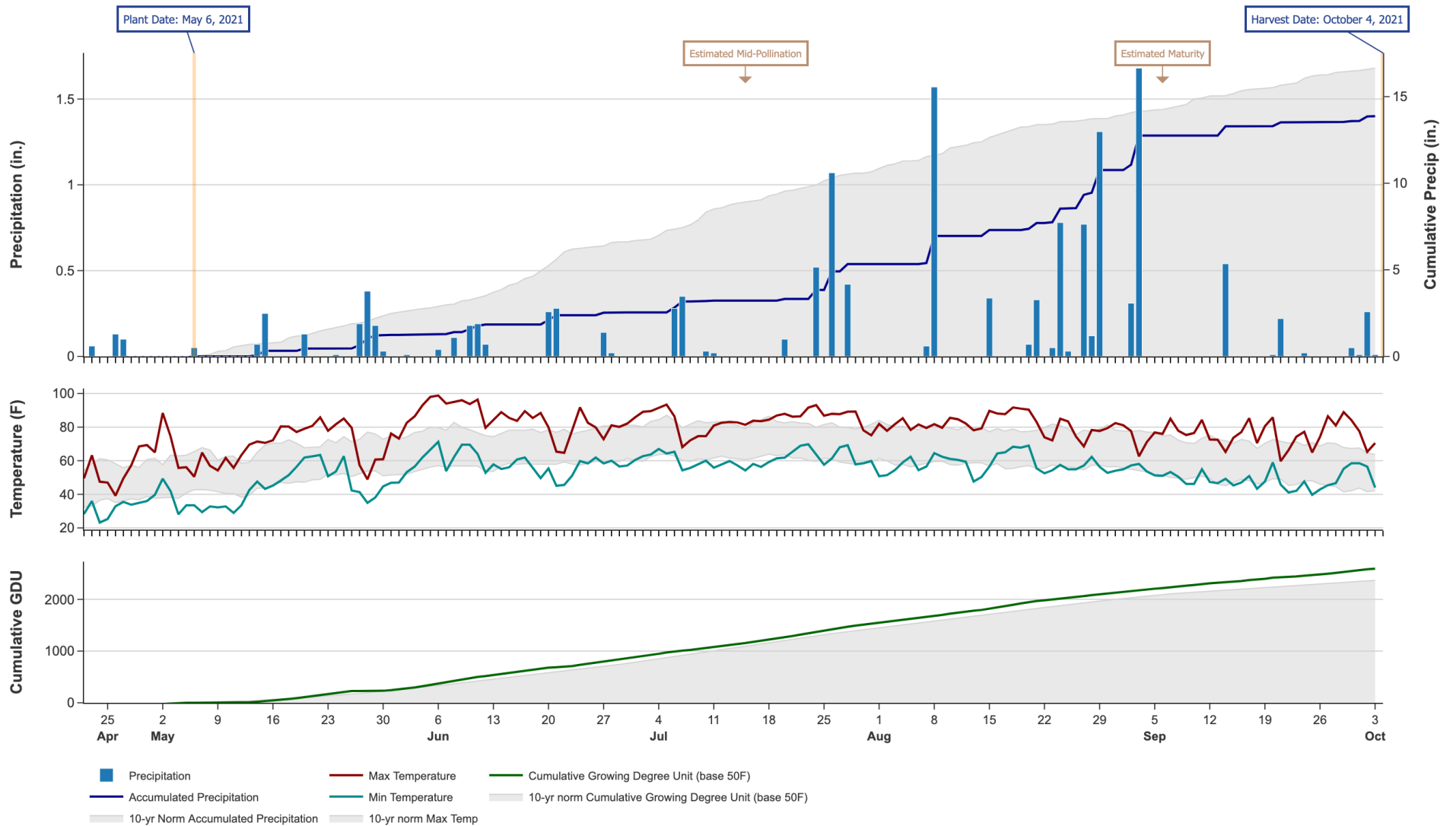
Additional reports available at www.firstseedtests.com

2021 Corn - Red River South North Dakota & Minnesota [RRSO]

Weather Conditions Summary at FAIRMOUNT, ND

Weather Data Retrieved: 10/04/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.3 0.8 (-0.5)	1.3 2.8 (-1.5)	1.3 4.1 (-2.8)	2.8 4.0 (-1.2)	5.4 3.2 (+2.2)	2.8 2.6 (+0.2)	0.3 0.2 (+0.1)	14.2 17.8 (-3.6)
GDU Normal (Diff)	19 0 (+19)	283 264 (+18)	603 526 (+76)	680 670 (+9)	606 568 (+37)	420 344 (+75)	39 22 (+16)	2650 2396 (+253)



* 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 - Red River South North Dakota & Minnesota [RRSO]

Early-Season Test Products (37 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A615-64VT2RIB GC	VT2P	Y	85	AC,P5V
Channel	187-20VT2PRIB GC	VT2P	Y	87	AC,P5,B360
Channel	189-64STXRIB GC	STX	Y	89	AC,P5V,EDC-B
Dahlman	R45-25VT2PRIB	VT2P	Y	90	AC,P2
Dairyland	DS-2828AM	AM	Y	88	Lum
Dairyland	DS-3022AM	AM	Y	90	Lum,P1V
DeKalb	DKC41-99RIB CK	VT2P	Y	91	AC,P2,B360
Dyna-Gro	D27VC87	VT2P	N	87	AC,P5V
Enestvedt	E878DP RIB	VT2P	Y	87	AC250
Golden Harvest	G85Z56-3220 EZR	3220	Y	85	AVC,C2,Vi
Golden Harvest	G90S99-5222 EZR	5222	Y	90	AVC,C2,Vi
Golden Harvest	G90Y04-5222A EZR	5222A	Y	90	AVC,C2,Vi
Hefty	H3542 RIB	VT2P	Y	85	HC
Hefty	H3712 RIB	VT2P	Y	87	HC
Hefty	H3922 RIB	VT2P	Y	89	HC
Hefty	H4032 RIB	VT2P	Y	90	HC
Hefty	H4052	VT2P	N	90	HC
Innotech	IC3983-3220	3220	Y	89	AVC,C2,Vi
Integra	3629 VT2PRIB	VT2P	Y	86	AC,P5V
Integra	4041 VT2PRIB	VT2P	Y	90	AC,P5,SU
Latham	LH 3695 VT2P RIB	VT2P	Y	86	AC,P2
Latham	LH 3827 VT2P RIB	VT2P	Y	88	AC,P2
Latham	LH 3937 VT2P RIB	VT2P	Y	89	AC,P2
Proseed	1790 VT2PRIB	VT2P	Y	90	AVC,C2,Vi
REA	2B851	VT2P	Y	85	AC,P5,B360
REA	2B862	VT2P	Y	86	AC,P5,B360
REA	2B863	VT2P	Y	86	AC,P5,B360
REA	3B903	VT2P	Y	90	AC,P5,B360
Renk	RK297VT2P	VT2P	N	89	AC,P5V
Renk	RK312VT2PRIB	VT2P	Y	90	AC,P2
Renk	RK315VT2P	VT2P	N	90	AC,P2
Rob-See-Co	RC3601-3011A	3011A	N	86	CM,C2,Vi
Thunder	T6185 VT2P	VT2P	Y	85	AC,P2
Thunder	T6190 VT2P	VT2P	Y	90	AC,P2
Thunder	T6888 VT2P	VT2P	Y	88	AC,P2
Thunder	T6987 VT2P	VT2P	Y	87	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Thunder	T7188 VT2P	VT2P	Y	88	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 - Red River South North Dakota & Minnesota [RRSO]

Full-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A621-77VT2RIB GC	VT2P	Y	91	AC,P5V
AgriGold	A625-78VT2RIB GC	VT2P	Y	95	AC,P5V
Channel	195-85DGV2PRIB GC	VT2P	Y	95	AC,P5,B360
Dahlman	R47-24VT2PRIB	VT2P	Y	94	AC,P2
Dahlman	R48-28VT2PRIB	VT2P	Y	95	AC,P2
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	DKC41-99RIB CK	VT2P	Y	91	AC,P2,B360
Dyna-Gro	D35VC35	VT2P	N	95	AC,P5V
Enestvedt	E612RR	RR2	N	92	CM,C2,Vi
Golden Harvest	G91V51-5222A EZR	5222A	Y	91	AVC,C2,Vi
Hefty	H4132	VT2P	N	91	HC
Hefty	H4222 RIB	VT2P	Y	92	HC
Hefty	H4332 RIB	VT2P	Y	93	HC
Hefty	H4522 RIB	VT2P	Y	95	HC
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
Pioneer	P9188AMXT GC	AMXT	Y	91	Lum
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	RC4535-3110	3110	N	95	CM,C2,Vi
Stine	9319-10	3010	N	93	Treated
Thunder	T6294 VT2P	VT2P	Y	94	AC,P5,B360

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
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	T6993 VT2P	VT2P	Y	93	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

3010	Agrisure® 3010
3011A	Agrisure® Artesian® 3011A (CB,RW,LL,GT)
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)
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AMXT	Optimum® AcreMax® Xtreme
QR	Qrome™
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
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,SU	Acceleron® 250, StepUp
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,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
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.