

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

2023 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] WATERTOWN, SD
Myron Keltgen, Codington County, SD 57201

Early-Season Test	91 - 95 Day CRM B2023SDNE04a
Top 30 of 43	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Authority First, Glory Df, Interline, Anthem Maxx
SOIL DESCRIPTION:	Poinsett-Buse-Waubay Complex loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, high P, medium K, 6.5 pH, 4.9% OM, 20.7 CEC
PEST MANAGEMENT:	Ravine, Glypex, 5 Xtra, Stinger
FERTILITY - Applied N:	196 Spring, 15 Sidedress
Applied N-P-K (units):	211-70-111
SEDED - RATE - ROW:	May 10 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 22 31.0 /A

TEST COMMENTS:

We had good planting conditions in the spring. The stands looked good at the end of June. Dry growing conditions led to some yield variability across the soils here. Some stalk lodging was observed at harvest from a wind storm the week prior.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Heine	6350 ↗	VT2P	97	248.7	16.1	1	31.0	1103	1
Renk	RK561DGVT2P ↗	VT2PDG	95	237.2	16.4	1	31.4	1047	4
Enestvedt	E612RR ↗	RR2	92	237.1	16.1	1	31.9	1052	3
Jacobsen	JS5044DGVT2P ↗	VT2PDG	95	236.8	15.6	4	31.9	1057	2
Heine	6330DGVT2PRIB ↗	VT2PDG	95	234.3	16.3	2	30.0	1036	7
Chargen	VX9131 ↗	DV	91	234.3	16.7	1	31.0	1030	8
Jacobsen	JS7045VT2PRO ↗	VT2P	95	233.6	15.8	1	31.0	1040	5
Hefty	H4332 ↗	VT2P	93	232.7	15.7	1	31.9	1038	6
Dairyland	DS-3477AM ↗	AM	94	227.6	15.6	1	30.0	1016	10
Heine	6215 ↗	VT2P	95	227.2	14.9	6	30.0	1022	9
LG Seeds	LG42C80VT2PRIB ↗	VT2P	92	223.5	15.3	1	30.5	1002	11
Rob-See-Co	RC4185-VT2P ↗	VT2P	91	223.4	15.8	1	30.5	994	12
Dairyland	DS-3599Q ↗	QR	95	221.5	15.6	1	31.4	988	13
Heine	6450 ↗	STX	95	221.4	17.1	1	30.5	968	19
Rob-See-Co	RC4518-VT2P ↗	VT2P	95	220.3	15.9	4	31.0	980	15
REA	92B10 ↗	VT2P	92	220.0	15.1	1	30.5	988	14
REA	95B53 ↗	VT2P	95	219.6	16.2	2	30.5	973	17
REA	95A36 ↗	STX	95	218.6	15.7	1	31.4	974	16
Renk	RK502SSTX ↗	STX	95	218.2	15.8	1	30.0	972	18
Renk	RK485DGVT2P ↗	VT2PDG	94	214.5	16.3	3	31.4	949	22
Hefty	H4264 ↗	STX	92	213.2	15.4	1	31.0	954	21
Augusta	A2140-D ↗	D	90	210.4	15.8	17	30.9	937	23
Thunder	TEX23-94 ↗	VT2P	94	209.7	15.8	1	31.0	934	24
Hefty	H4562 ↗	VT2P	95	207.9	15.4	2	31.4	931	25
Hefty	H4564 ↗	STX	95	207.1	16.6	1	30.5	912	26
Golden Harvest	G91V51-DV ↗	DV	91	205.7	16.2	1	31.4	910	27
Augusta	A1943-AA ↗	AA	93	205.3	16.4	4	30.5	907	28
Thunder	T8494 SSP ↗	STXP	94	204.1	16.5	1	30.0	900	30
Golden Harvest	G92A51-AA ↗	AA	92	202.4	16.1	18	30.0	897	31
Rob-See-Co	RC4213-AA ↗	AA	92	202.1	15.3	4	30.0	906	29
DEKALB	DKC50-87RIB CK	STX	100	220.1	17.4	1	31.4	959	20

Averages = **211.9** **16.0** **2** **31.0** **939**

LSD (0.10) = 21.5 0.6 ns

LSD (0.25) = 11.3 0.3 ns



Mark Tollefson

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C.V. = 9.6

Historic yield: 208.54 bu/a, 12 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.0 Drying = \$0.06 Prices: GMO = \$4.50

Report Date: 10/24/2023

† 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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2023 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] WATERTOWN, SD
Myron Keltgen, Codington County, SD 57201

Full-Season Test	96 - 100 Day CRM B2023SDNE04b
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SOIL CONDITION:	Minimum W/O Fall Till, high P, medium K, 6.5 pH, 4.9% OM, 20.7 CEC
PEST MANAGEMENT:	Ravine, Glypex, 5 Xtra, Stinger
FERTILITY - Applied N:	196 Spring, 15 Sidedress
Applied N-P-K (units):	211-70-111
SEDED - RATE - ROW:	May 10 32.5 /A 30" spacing
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TEST COMMENTS:

We had good planting conditions in the spring. The stands looked good at the end of June. Dry growing conditions led to some yield variability across the soils here. Some stalk lodging was observed at harvest from a wind storm the week prior.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
Heine	6650 ↗	TRE	99	241.5	17.2	1	31.9	1054	1	
Golden Harvest	G97B68-DV ↗	DV	97	227.5	16.7	1	31.9	1001	2	
Hefty	H5062 ↗	VT2P	100	225.4	17.0	4	31.0	987	3	
Master Farmer	MBZ-R962-AA ↗	AA	96	222.1	16.7	1	30.5	977	4	
Dairyland	DS-3900AM ↗	AM	99	219.9	16.8	4	31.4	966	6	
Hefty	H4653 RIB ↗	VT2PDG	96	219.8	16.4	1	31.4	971	5	
Thunder	T6300 VT2P ↗	VT2P	100	218.2	17.4	5	31.4	950	8	
Heine	6760 ↗	TRE	97	216.5	16.7	2	30.0	953	7	
Jacobsen	JS9723TRE ↗	TRE	97	214.4	16.2	1	30.0	949	9	
Jacobsen	JS7096VT2PRO ↗	VT2P	97	210.9	16.1	2	31.4	935	10	
Dairyland	DS-3881AM ↗	AM	98	209.1	16.7	2	30.0	919	12	
LG Seeds	LG47C77VT2RIB ↗	VT2P	97	208.5	15.7	2	30.9	929	11	
REA	98T64 ↗	TRE	98	205.3	16.0	2	31.4	912	13	
Renk	RK579DGV2P ↗	VT2PDG	99	202.5	16.7	1	31.9	891	15	
Renk	RK582SSTX ↗	STX	98	202.4	16.6	2	31.4	892	14	
Dairyland	DS-4003Q ↗	QR	100	200.5	17.1	1	31.4	877	17	
Thunder	T6497 TRE ↗	TRE	97	197.7	15.6	1	30.0	883	16	
LG Seeds	LG5465VT2RIB ↗	VT2P	97	197.7	16.5	1	30.5	871	18	
Hefty	H5055 ↗	TRE	100	193.9	16.9	1	30.5	850	21	
Thunder	T6999 VT2P ↗	VT2P	99	193.2	16.4	1	30.0	854	20	
Renk	RK590VT2P ↗	VT2P	98	192.6	15.6	14	30.5	859	19	
Rob-See-Co	RC4937-SSP ↗	STXP	99	190.9	16.0	4	31.4	847	22	
DeKalb	DKC50-88RIB GC ↗	VT2P	100	190.7	17.0	2	30.5	835	25	
Enestvedt	E600DP RIB ↗	VT2P	99	188.0	16.4	37	31.4	830	27	
REA	96A79 ↗	STX	96	186.8	15.4	1	31.9	836	24	
Renk	RK597SSPRO ↗	STXP	99	186.7	15.9	1	29.5	830	28	
Rob-See-Co	D97-95-VT2P ↗	VT2P	97	186.7	15.8	2	31.4	832	26	
Rob-See-Co	D98-43-TRE ↗	TRE	98	186.5	16.2	3	30.5	826	30	
REA	98A15 ↗	STX	98	185.8	15.6	2	31.4	829	29	
Heine	6575VT2PRIB ↗	VT2P	99	182.9	16.6	20	31.0	805	31	
DEKALB	DKC50-87RIB CK	STX	100	191.0	16.9	1	30.5	838	23	
				Averages =	192.6	16.5	5	31.0	851	
				LSD (0.10) =	27.6	0.6	7			
				LSD (0.25) =	14.5	0.3	4			
				C.V. =	13.6					
										Historic yield: 208.54 bu/a, 12 yr(s)



Mark Tollefson

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.0

Drying = \$0.06

Prices: GMO = \$4.50

Report Date: 10/24/2023

† 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

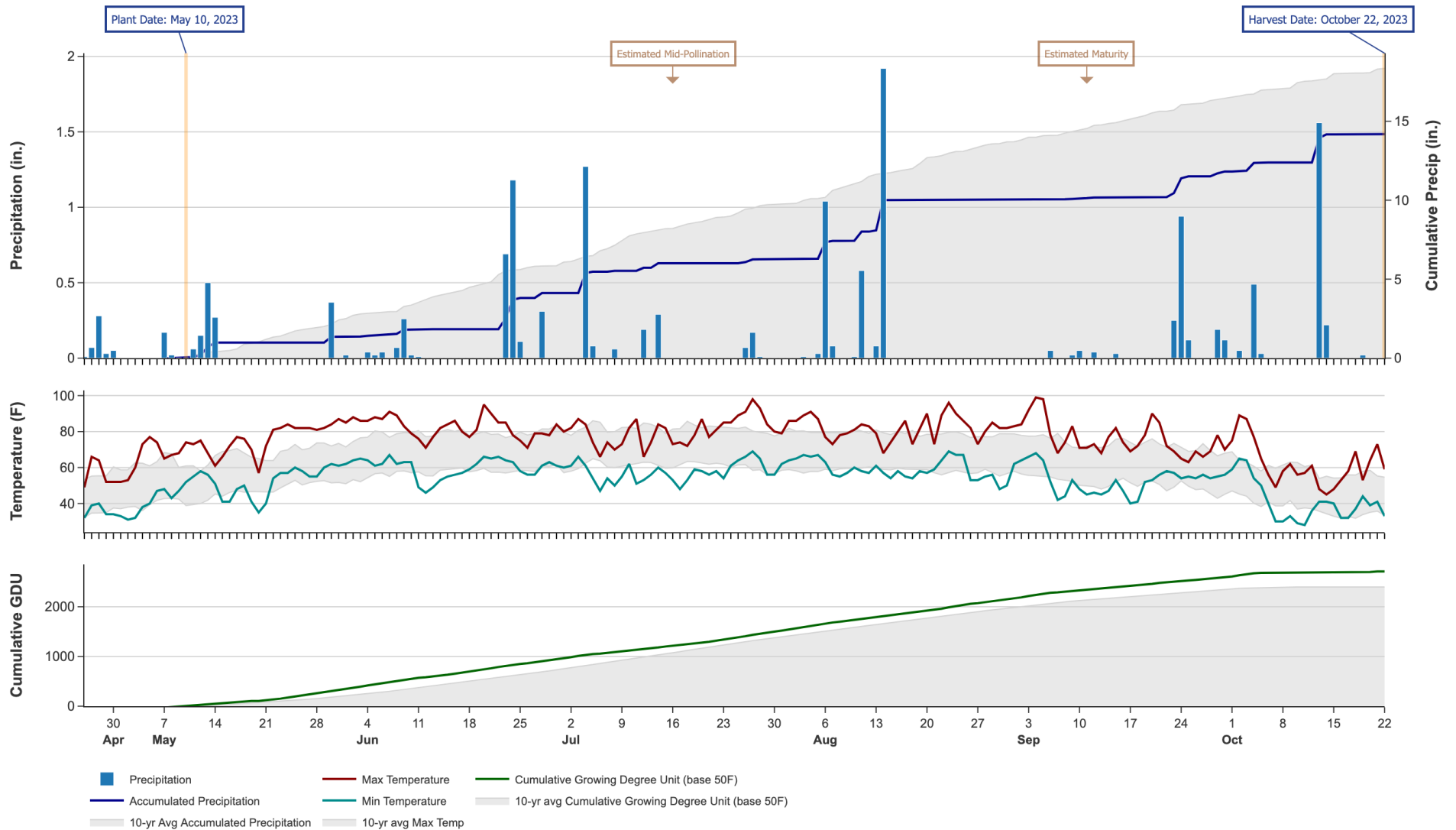
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2023 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at WATERTOWN, SD

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.4 0.5 (-0.0)	1.5 3.3 (-1.8)	2.8 3.4 (-0.7)	2.1 3.9 (-1.8)	3.8 3.9 (-0.2)	1.8 2.7 (-0.9)	2.4 1.9 (+0.5)	14.8 19.7 (-4.9)
GDU Avg (Diff)	15 0 (+15)	392 233 (+158)	626 541 (+84)	576 658 (-82)	623 579 (+43)	448 379 (+68)	118 46 (+71)	2798 2439 (+358)



* 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.

2023 Corn - South Dakota Northeast [SDNE]

Early-Season Test Products (43 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1943-AA	AA	N	93	AC,P5V
Augusta	A2140-D	D	N	90	CM,C2
Chargen	VX9131	DV	Y	91	CM, Vi
Dairyland	DS-3159AM	AM	Y	91	Lum, L1
Dairyland	DS-3203AM	AM	Y	92	Lum, L1
Dairyland	DS-3477AM	AM	Y	94	Lum, L1
Dairyland	DS-3599Q	QR	Y	95	Lum, L1
DeKalb	DKC50-87RIB CK	STX	Y	100	AC,P5V,EDC-EL
Enestvedt	E612RR	RR2	N	92	CM, Vi
Golden Harvest	G91V51-DV	DV	Y	91	AVC,C1,Va
Golden Harvest	G92A51-AA	AA	Y	92	CM,C5,Va
Hefty	H4264	STX	Y	92	HC
Hefty	H4332	VT2P	N	93	HC
Hefty	H4462	VT2P	N	94	HC
Hefty	H4562	VT2P	N	95	HC
Hefty	H4564	STX	N	95	HC
Heine	6200	VT2P	Y	95	Treated
Heine	6215	VT2P	Y*	95	Treated
Heine	6330DGVT2PRIB	VT2PDG	Y*	95	Treated
Heine	6350	VT2P	N	97	Treated
Heine	6450	STX	Y	95	Treated
Jacobsen	JS5044DGVT2P	VT2PDG	Y	95	Treated
Jacobsen	JS7045VT2PRO	VT2P	Y	95	Treated
Jacobsen	JS9263VT2PRO	VT2P	Y	92	Treated
LG Seeds	LG42C80VT2PRIB	VT2P	Y	92	AC,P2V
Master Farmer	MBZ-P920-V	V	Y	92	CM,C2,Vi,Va
REA	92B10	VT2P	Y	92	AC,P5V,EDC-B
REA	95A36	STX	Y	95	AC,P5V,EDC-B
REA	95B53	VT2P	Y	95	AC,P5V,EDC-B
Renk	RK444VT2P	VT2P	N	93	AC,P2
Renk	RK485DGVT2P	VT2PDG	N	94	AC,P2
Renk	RK502SSTX	STX	N	95	AC,P5V
Renk	RK561DGVT2P	VT2PDG	N	95	AC,P2
Rob-See-Co	RC4166-V	V	Y	91	CM,C2,Vi,Va
Rob-See-Co	RC4185-VT2P	VT2P	Y	91	AC,P2V
Rob-See-Co	RC4213-AA	AA	Y	92	CM,C2,Vi,Va
Rob-See-Co	RC4300-VT2P	VT2P	Y	93	AC,P2V
Rob-See-Co	RC4518-VT2P	VT2P	Y	95	CM,C2,Vi,Va
Thunder	T6294 VT2P	VT2PDG	Y	94	AC,P2
Thunder	T6396 VT2P	VT2P	Y	94	AC,P2
Thunder	T6992 VT2P	VT2P	Y	92	AC,P2
Thunder	T8494 SSP	STXP	Y	94	AC,P5

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Thunder	TEX23-94	VT2P	Y	94	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.

2023 Corn - South Dakota Northeast [SDNE]

Full-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Chargen	VX9631	PCE	Y	96	CM, Vi
Chargen	VX9931	PCE	Y	99	CM, Vi
Dairyland	DS-3881AM	AM	Y	98	Lum
Dairyland	DS-3900AM	AM	Y	99	Lum, L1
Dairyland	DS-4003Q	QR	Y	100	Lum, L1
DeKalb	DKC50-87RIB CK	STX	Y	100	AC,P5V,EDC-EL
DeKalb	DKC50-88RIB GC	VT2P	Y	100	AC,P5V,EDC-EL
Enestvedt	E600DP RIB	VT2P	Y	99	AC,P2
Golden Harvest	G97B68-DV	DV	Y	97	AVC,C1,Va
Golden Harvest	G98B99-AA	AA	Y	98	CM,C5,Va
Hefty	H4653 RIB	VT2PDG	Y	96	HC
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H4964	STXP	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Hefty	H5062	VT2P	N	100	HC
Heine	6575VT2PRIB	VT2P	Y*	99	Treated
Heine	6650	TRE	N	99	Treated
Heine	6725PWE	PCE	Y	97	Treated
Heine	6760	TRE	Y	97	Treated
Heine	6815PWE	PCE	Y	98	Treated
Jacobsen	JS7096VT2PRO	VT2P	Y	97	Treated
Jacobsen	JS9723TRE	TRE	Y	97	Treated
LG Seeds	LG47C77VT2RIB	VT2P	Y	97	AC,P2
LG Seeds	LG48C87VT2PRO	VT2P	N	98	AC,P5V
LG Seeds	LG5465VT2RIB	VT2P	Y	97	Treated
Master Farmer	MBZ-R962-AA	AA	Y	96	CM,C2,Vi,Va
REA	96A79	STX	Y	96	AC,P5V,EDC-B
REA	98A15	STX	Y	98	AC,P5V,EDC-B
REA	98T64	TRE	Y	98	AC,P5V,EDC-B
Renk	RK571PWE	PCE	N	96	Lum,P5V
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK582SSTX	STX	N	98	AC,P5V
Renk	RK590VT2P	VT2P	N	98	AC,P2
Renk	RK597SSPRO	STXP	N	99	AC,P5V,B300
Rob-See-Co	D97-95-VT2P	VT2P	Y	97	CM,C2,Vi,Va
Rob-See-Co	D98-43-TRE	TRE	Y	98	CM,C2,Vi,Va
Rob-See-Co	RC4680-VT2P	VT2P	Y	96	AC,P2V
Rob-See-Co	RC4779-PCE	PCE	N	97	CM,C2,Vi,Va
Rob-See-Co	RC4937-SSP	STXP	Y	99	P5V
Thunder	T6298 VT2P	VT2P	Y	98	AC,P2
Thunder	T6300 VT2P	VT2P	Y	100	AC,P2
Thunder	T6497 TRE	TRE	Y	97	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Thunder	T6498 PC	PCE	N	98	CM,C2,Vi,Va
Thunder	T6999 VT2P	VT2P	Y	99	AC,P2

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Footnotes and Abbreviations Descriptions

Brand Footnotes

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. Power Plus® brand seed is distributed by Burrus. Power Plus® is a registered trademark of Corteva Agriscience.

Corn Technologies

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
PCE	PowerCore® Enlist®
QR	Qrome®
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

NOTE: The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
AC,P2V	Acceleron® Poncho 250/Votivo
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B300	Acceleron® Poncho 500/Votivo with B-300 SAT
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
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
CM, Vi	CruiserMaxx®, Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.