

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

2023 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
B2023SDNE03a

Top 30 of 43 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Oats / 2,4-D
SOIL DESCRIPTION: Vienna-Brookings Complex
loam, well drained, non-irrigated

SOIL CONDITION: Conventional W/ Fall Till, very
high P, very high K, 6.5 pH,
4.8% OM, 20.0 CEC

PEST MANAGEMENT: Resicore, Roundup

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

Applied N-P-K (units): 175-65-50

SEEDED - RATE - ROW: May 17 32.5 /A 30" spacing

HARVESTED - STAND: Oct 25 30.9 /A

TEST COMMENTS:

This plot had corn silage taken off around it in September. A strong wind storm in October caused stalk lodging before harvest. We were able to harvest most of the lodged corn as it laid perpendicular to the rows. We had an equipment malfunction on the last rep of the full-season test. The weather forecast had more winds so we took lodging scores and harvested the remaining plot. The full-season test had more down, lodged corn, especially in the last replication. Yields in the fields around the area were variable because high ground dried out. Results of the full-season test were rejected due to yield variability from the wind damage.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DS-3599Q ↗	QR	95	202.6	17.1	1	31.0	886	1
Chargen	VX9131 ↗	DV	91	194.4	18.0	1	31.0	840	2
Golden Harvest	G91V51-DV ↗	DV	91	188.5	18.0	1	31.0	815	4
Heine	6215 ↗	VT2P	95	188.2	18.6	10	31.4	806	6
Hefty	H4562 ↗	VT2P	95	187.8	17.4	3	30.0	818	3
Hefty	H4462 ↗	VT2P	94	185.9	17.5	2	30.0	808	5
Augusta	A2140-D ↗	D	90	182.8	17.3	14	30.0	798	7
Rob-See-Co	RC4166-V ↗	V	91	182.5	17.4	5	30.5	795	8
REA	95B53 ↗	VT2P	95	182.3	17.4	5	30.0	794	9
Dairyland	DS-3477AM ↗	AM	94	180.0	17.3	7	31.4	785	10
Heine	6330DGV2PRIB ↗	VT2PDG	95	179.1	18.2	9	31.0	771	13
Heine	6350 ↗	VT2P	97	178.8	16.9	6	31.0	784	11
Rob-See-Co	RC4300-VT2P ↗	VT2P	93	177.5	17.3	3	31.0	774	12
Rob-See-Co	RC4213-AA ↗	AA	92	174.6	17.8	10	31.4	757	14
Renk	RK485DGV2P ↗	VT2PDG	94	174.0	18.5	20	30.5	746	18
Hefty	H4264 ↗	STX	92	172.8	17.0	10	31.4	757	15
Thunder	TEX23-94 ↗	VT2P	94	171.9	17.5	2	30.5	748	16
Dairyland	DS-3203AM ↗	AM	92	171.7	17.7	6	30.9	745	19
Jacobsen	JS5044DGV2P ↗	VT2PDG	95	171.3	18.6	20	31.4	734	22
Thunder	T6992 VT2P ↗	VT2P	92	170.8	17.0	9	31.4	748	17
Enestvedt	E612RR ↗	RR2	92	170.1	17.1	10	29.5	744	20
Thunder	T6396 VT2P ↗	VT2P	94	169.6	18.0	19	29.5	732	24
Jacobsen	JS7045VT2PRO ↗	VT2P	95	169.2	16.9	9	31.4	742	21
Hefty	H4332 ↗	VT2P	93	168.9	17.7	4	31.0	733	23
Heine	6450 ↗	STX	95	168.5	19.0	6	31.4	718	27
Heine	6200 ↗	VT2P	95	167.3	18.0	6	31.0	723	26
Thunder	T8494 SSP ↗	STXP	94	166.9	17.1	21	31.0	730	25
Hefty	H4564 ↗	STX	95	166.4	18.3	4	31.0	716	30
Jacobsen	JS9263VT2PRO ↗	VT2P	92	165.7	17.7	7	31.4	718	28
REA	92B10 ↗	VT2P	92	162.1	16.9	4	30.5	711	31
DEKALB	DKC50-87RIB CK	STX	100	169.7	19.6	2	31.4	717	29



Mark Tollefson

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

Averages = **170.8** **17.8** **9** **30.9** **740**

LSD (0.10) = 14.2 0.7 8

LSD (0.25) = 7.5 0.4 4

C.V. = 7.9

Historic yield: 191.3 bu/a, 17 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.1 Drying = \$0.06 Prices: GMO = \$4.50

Report Date: 10/26/2023

† 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

©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

Additional reports available at www.firstseedtests.com

2023 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 B2023SDNE03b
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Oats / 2,4-D
SOIL DESCRIPTION:	Vienna-Brookings Complex loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, very high K, 6.5 pH, 4.8% OM, 20.0 CEC
PEST MANAGEMENT:	Resicore, Roundup
FERTILITY - Applied N:	175 Spring, 24 sulfur, zinc
Applied N-P-K (units):	175-65-50
SEEDED - RATE - ROW:	May 17 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 25 31.1 /A

TEST COMMENTS:

This plot had corn silage taken off around it in September. A strong wind storm in October caused stalk lodging before harvest. We were able to harvest most of the lodged corn as it laid perpendicular to the rows. We had an equipment malfunction on the last rep of the full-season test. The weather forecast had more winds so we took lodging scores and harvested the remaining plot. The full-season test had more down, lodged corn, especially in the last replication. Yields in the fields around the area were variable because high ground dried out. Results of the full-season test were rejected due to yield variability from the wind damage.

Company/Brand	Product/Brand	Seeds / Bu	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Thunder	1688 VTOP +	VTGP	18.7	7	31.2	807	1
LS Seeds	LS4107VVT28B +	VTGP	18.9	7	31.2	802	2
Rob-See-Co	28746-VTOP +	VTGP	19.2	10	31.2	798	3
None	6702P4E +	PCE	19.4	7	31.2	779	4
None	6760 +	TRE	19.7	27	31.2	767	5
None	6627600-VTOP +	VTGP00	19.2	10	31.2	766	6
Thunder	1628 VTOP +	VTGP	19.3	7	31.2	767	8
None	6660 +	TRE	19.2	10	31.2	752	11
Rob-See-Co	604776-PCE +	PCE	17.9	11	31.9	746	12
None	6676 +	TRE	19.2	7	31.2	746	9
Golden Harvest	60766-0V +	VTGP	19.2	9	30.9	743	13
None	6666 +	TRE	19.4	23	31.2	736	15
Golden Harvest	60888-AA +	AA	17.9	37	31.2	736	16
Rob-See-Co	28843-TRE +	TRE	17.2	10	31.2	739	18
None	6676 +	TRE	17.2	23	31.9	741	14
LS Seeds	LS4069VVT28B +	VTGP	19.7	7	31.9	721	19
None	6663 TRE +	TRE	19.4	27	31.2	720	17
Thunder	16333000 +	VTGP	19.8	7	30.9	719	22
Golden Harvest	60776 +	VTGP	19.4	9	31.9	721	18
Rob-See-Co	6073 +	VTGP	19.9	40	31.2	720	21
None	6673 +	VTGP	19.1	33	31.2	711	24
Thunder	1688 VTOP +	VTGP	19.1	9	31.2	721	20
None	6676 +	TRE	19.4	13	31.9	720	27
Thunder	16333000 +	VTGP	19.3	13	31.2	711	25
Thunder	1687 TRE +	TRE	19.2	25	31.2	709	28
None	6627600-PCE +	PCE	19.2	29	31.2	714	23
Golden Harvest	607276 +	TRE	19.1	29	31.2	697	30
None	6627600 +	PCE	19.3	9	30.9	699	29
Thunder	16333000-00 +	VTGP	19.3	5	29.0	697	31
Wester Farmer	6627600-AA +	AA	19.9	4	31.2	701	26



Mark Tollefson

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

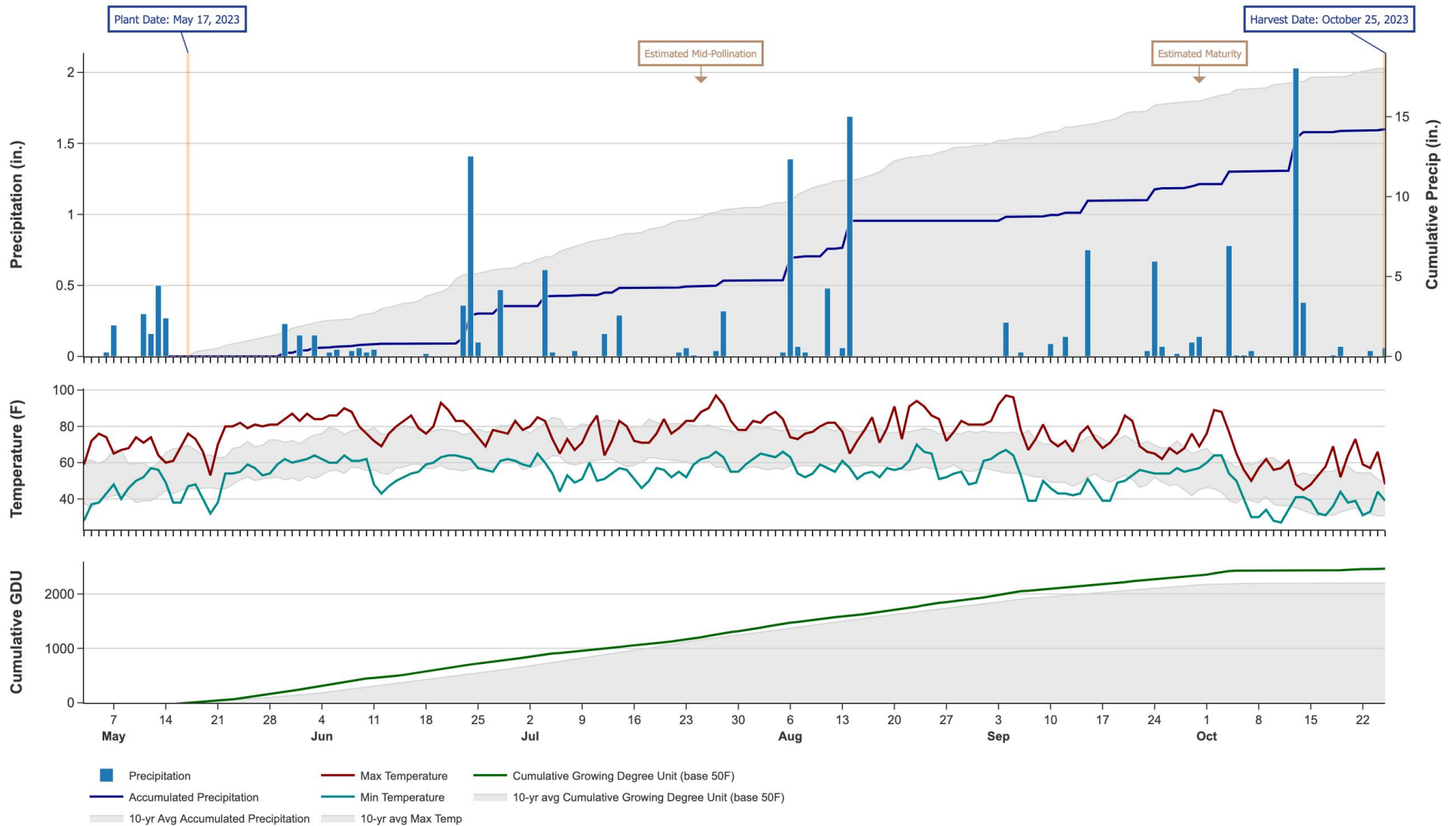
Averages =	167.1	18.9	18	31.1	712
LSD (0.10) =	ns	ns	ns		
LSD (0.25) =	ns	ns	ns		
C.V. =	9.1			Historic yield: 191.3 bu/a, 17 yr(s)	

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.1 Drying = \$0.06 Prices: GMO = \$4.50

2023 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at CLEAR LAKE, SD

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.7 3.4 (-1.7)	2.9 3.8 (-0.9)	1.6 3.8 (-2.2)	3.8 3.9 (-0.1)	2.3 2.8 (-0.5)	3.4 2.1 (+1.4)	15.7 19.7 (-4.0)
GDU Avg (Diff)	358 200 (+157)	588 507 (+80)	526 621 (-95)	580 546 (+33)	422 358 (+63)	127 33 (+93)	2601 2268 (+332)



* 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

* 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

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.