

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

2023 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 B2023SDNE01a
Top 30 of 43	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Roundup, Sonic, Liberty
SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	Strip-Till, high P, very high K, 6.2 pH, 3.7% OM, 20.3 CEC
PEST MANAGEMENT:	Force, Roundup Weathermax, Authority Mtz, Sharpen
FERTILITY - Applied N:	156 Spring
Applied N-P-K (units):	156-100-0
SEEDED - RATE - ROW:	May 16 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 9 30.6 /A

TEST COMMENTS:

The plot site had some standing water on a few plots that lost yield other than that this was a good-yielding plot with an even stand. The area has a lot of corn left to harvest as damp weather and snow have slowed dry down in the field. One of the better plots for the region this year. There were no issues at harvest with good stalk health and good weed control.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G91V51-DV ↗	DV	91	237.3	21.1	1	31.2	982	1
Chargen	VX9131 ↗	DV	91	229.3	21.0	1	30.5	950	3
REA	95B53 ↗	VT2P	95	228.6	20.1	1	31.4	959	2
Hefty	H4564 ↗	STX	95	224.8	20.5	1	30.5	937	6
Renk	RK561DGV2P ↗	VT2PDG	95	224.2	19.9	1	31.0	943	4
Heine	6330DGV2PRIB ↗	VT2PDG	95	222.3	19.9	1	30.0	935	7
Heine	6215 ↗	VT2P	95	220.9	21.1	1	30.0	913	11
REA	92B10 ↗	VT2P	92	220.6	19.1	1	31.4	938	5
Hefty	H4462 ↗	VT2P	94	219.2	19.9	1	31.0	922	9
Renk	RK502SSTX ↗	STX	95	218.6	19.6	1	30.5	923	8
Thunder	T6294 VT2P ↗	VT2PDG	94	218.4	20.3	1	30.0	913	12
Hefty	H4562 ↗	VT2P	95	217.3	20.6	1	31.9	905	14
Thunder	T6396 VT2P ↗	VT2P	94	216.9	20.2	1	31.0	908	13
Rob-See-Co	RC4300-VT2P ↗	VT2P	93	216.7	20.8	1	30.5	900	16
Enestvedt	E612RR ↗	RR2	92	216.0	19.5	1	31.0	914	10
Renk	RK444VT2P ↗	VT2P	93	215.0	20.4	1	30.0	897	18
Augusta	A2140-D ↗	D	90	214.5	20.5	1	31.0	894	20
Jacobsen	JS7045VT2PRO ↗	VT2P	95	214.4	20.3	1	31.0	897	19
Rob-See-Co	RC4213-AA ↗	AA	92	213.8	21.0	1	30.0	885	22
Jacobsen	JS9263VT2PRO ↗	VT2P	92	213.7	19.4	1	31.4	905	15
Heine	6450 ↗	STX	95	212.9	20.7	1	30.0	886	21
REA	95A36 ↗	STX	95	211.9	19.3	1	31.0	899	17
Hefty	H4332 ↗	VT2P	93	209.9	20.1	1	30.5	881	23
Thunder	T8494 SSP ↗	STXP	94	209.8	20.3	1	31.0	878	24
Augusta	A1943-AA ↗	AA	93	209.5	20.8	1	31.9	870	27
Heine	6350 ↗	VT2P	97	207.9	20.2	1	30.0	870	28
Dairyland	DS-3159AM ↗	AM	91	206.9	19.3	1	30.0	877	25
Rob-See-Co	RC4518-VT2P ↗	VT2P	95	205.6	19.8	1	31.4	866	30
Dairyland	DS-3477AM ↗	AM	94	205.1	19.2	1	30.9	872	26
Dairyland	DS-3203AM ↗	AM	92	204.0	19.5	1	30.0	863	31
DEKALB	DKC50-87RIB CK	STX	100	210.2	21.2	1	29.5	867	29

Mark Tollefson

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Averages = **210.7** **20.2** **1** **30.6** **883**

LSD (0.10) = 15.5 0.7 ns

LSD (0.25) = 8.1 0.4 ns

C.V. = 7.0

Historic yield: 205.16 bu/a, 21 yr(s)

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

Report Date: 11/09/2023

† 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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Full-Season Test	96 - 100 Day CRM B2023SDNE01b
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SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	Strip-Till, high P, very high K, 6.2 pH, 3.7% OM, 20.3 CEC
PEST MANAGEMENT:	Force, Roundup Weathermax, Authority Mtz, Sharpen
FERTILITY - Applied N:	156 Spring
Applied N-P-K (units):	156-100-0
SEEDED - RATE - ROW:	May 16 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 9 30.9 /A

TEST COMMENTS:

The plot site had some standing water on a few plots that lost yield other than that this was a good-yielding plot with an even stand. The area has a lot of corn left to harvest as damp weather and snow have slowed dry down in the field. One of the better plots for the region this year. There were no issues at harvest with good stalk health and good weed control.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Heine	6575VT2PRIB ↗	VT2P	99	247.6	20.5	1	31.9	1033	1
Renk	RK571PWE ↗	PCE	96	246.3	20.8	1	31.9	1023	3
Heine	6760 ↗	TRE	97	246.1	20.7	1	30.5	1024	2
Thunder	T6498 PC ↗	PCE	98	244.7	20.9	1	30.5	1015	4
REA	98A15 ↗	STX	98	240.5	21.0	1	31.0	996	6
Hefty	H4942 RIB ↗	VT2P	99	238.0	20.2	1	31.0	997	5
Dairyland	DS-3881AM ↗	AM	98	237.1	22.3	1	29.5	964	13
Heine	6725PWE ↗	PCE	97	237.1	21.9	1	31.0	969	12
Enestvedt	E600DP RIB ↗	VT2P	99	235.7	20.8	1	31.0	979	9
Renk	RK590VT2P ↗	VT2P	98	235.4	20.6	1	30.5	980	8
Renk	RK582SSTX ↗	STX	98	235.0	19.8	1	31.0	989	7
Golden Harvest	G97B68-DV ↗	DV	97	234.9	21.1	1	31.4	972	11
Chargen	VX9931 ↗	PCE	99	234.8	24.2	2	31.4	927	25
Rob-See-Co	D98-43-TRE ↗	TRE	98	233.2	21.1	1	30.5	964	14
Thunder	T6999 VT2P ↗	VT2P	99	233.0	20.4	1	31.0	973	10
Thunder	T6300 VT2P ↗	VT2P	100	232.2	21.6	1	31.0	953	20
Hefty	H4653 RIB ↗	VT2PDG	96	231.6	20.9	1	31.0	960	15
Hefty	H5062 ↗	VT2P	100	231.2	21.7	1	31.0	947	23
Heine	6815PWE ↗	PCE	98	230.9	20.8	1	31.0	958	17
Dairyland	DS-4003Q ↗	QR	100	230.7	21.2	1	31.4	953	21
Thunder	T6298 VT2P ↗	VT2P	98	230.2	20.6	1	30.0	958	18
Rob-See-Co	RC4937-SSP ↗	STXP	99	229.2	21.0	1	31.9	950	22
Hefty	H4964 ↗	STXP	99	229.1	20.3	1	31.0	959	16
Heine	6650 ↗	TRE	99	227.0	20.9	1	31.9	941	24
Jacobsen	JS9723TRE ↗	TRE	97	225.8	19.6	1	31.0	954	19
DeKalb	DKC50-88RIB GC ↗	VT2P	100	225.1	21.9	1	31.2	920	28
Rob-See-Co	RC4779-PCE ↗	PCE	97	223.9	21.5	1	30.5	920	29
Jacobsen	JS7096VT2PRO ↗	VT2P	97	221.6	21.1	1	30.5	917	30
Rob-See-Co	RC4680-VT2P ↗	VT2P	96	221.2	20.2	1	31.9	926	27
LG Seeds	LG47C77VT2RIB ↗	VT2P	97	216.3	19.6	1	31.4	914	31
DEKALB	DKC50-87RIB CK	STX	100	223.7	21.0	1	31.4	926	26



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Averages = **226.4** **21.0** **1** **30.9** **940**

LSD (0.10) = 15.3 0.8 ns

LSD (0.25) = 8.0 0.4 ns

C.V. = 6.4

Historic yield: 205.16 bu/a, 21 yr(s)

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

Report Date: 11/09/2023

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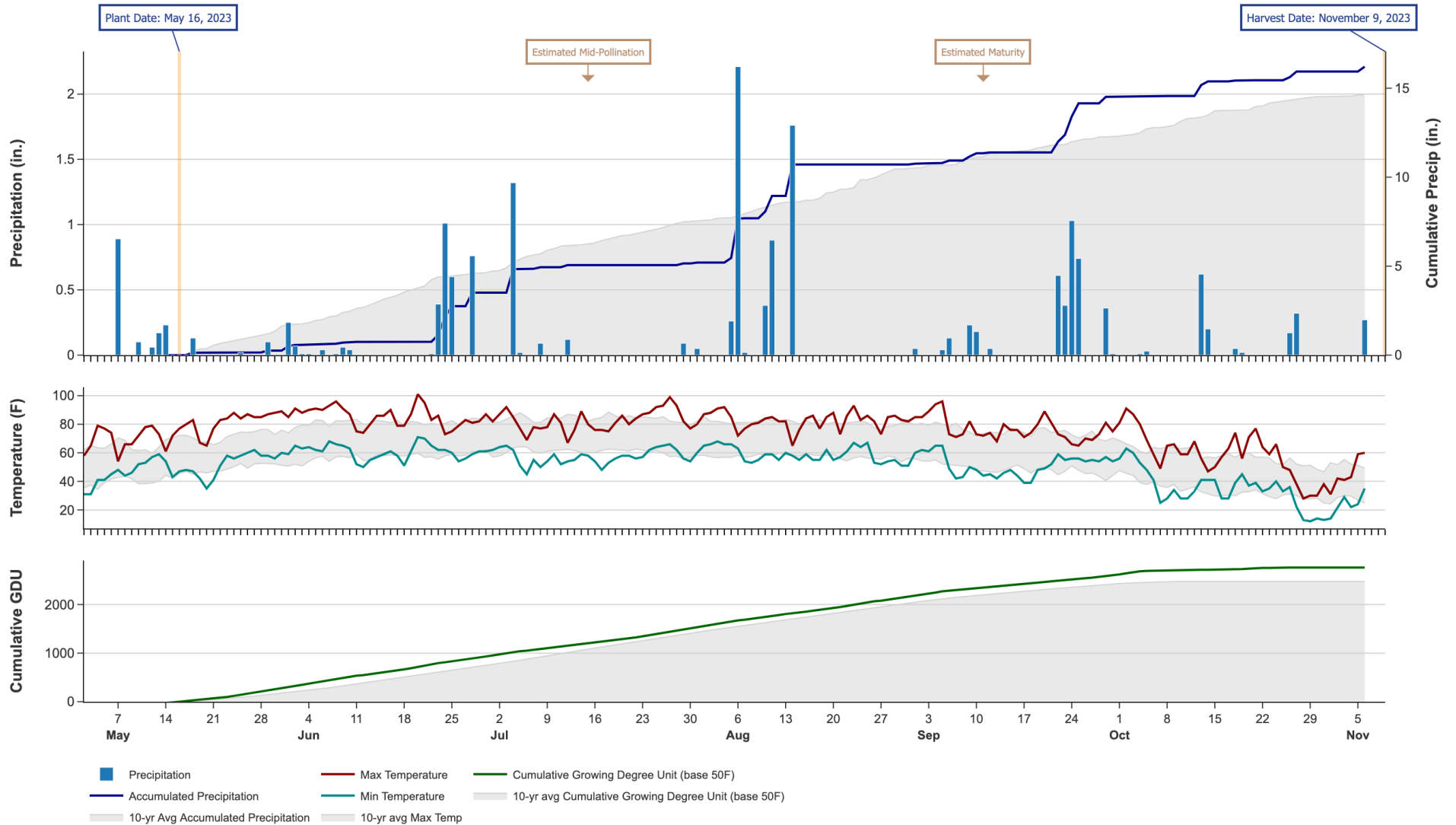
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2023 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at BATH, SD

Weather Data Retrieved: 11/09/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	1.7 3.0 (-1.3)	3.3 3.0 (+0.3)	1.7 2.9 (-1.2)	5.5 3.0 (+2.5)	3.8 1.8 (+2.0)	1.4 2.2 (-0.8)	0.3 0.1 (+0.2)	17.7 16.0 (+1.6)
GDU Avg (Diff)	426 263 (+162)	656 572 (+83)	594 688 (-94)	628 598 (+29)	448 391 (+56)	160 51 (+108)	0 0 (0)	2912 2566 (+345)



* 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.