

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

2023 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] ARLINGTON, SD
Tim Bjorklund, Brookings County, SD 57212

Early-Season Test	91 - 95 Day CRM B2023SDNE05a
Top 30 of 43	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Sonic, Liberty, Roundup, Volunteer
SOIL DESCRIPTION:	Poinsett-Buse-Waubay Complex silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, low K, 6.2 pH, 4.4% OM, 21.5 CEC
PEST MANAGEMENT:	Resicore, Roundup
FERTILITY - Applied N:	64 Spring
Applied N-P-K (units):	64-64-75
SEEDED - RATE - ROW:	May 8 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 10 30.4 /A

TEST COMMENTS:

This site got hit with a hail storm in June which caused damage and set the corn back some. Harvest went well with good weed control and nice yields. The corn looked a little tattered but stood well despite the hail damage early in the year. Grain moistures for both tests were not too variable. The field around the plot was averaging around 200 bushels per acre. Wildlife destroyed a few plots in the early season test affecting 3 plots.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Heine	6350 ↗	VT2P	97	212.0	17.7	1	30.5	920	4
Heine	6330DGV2PRIB ↗	VT2PDG	95	211.9	18.0	1	31.4	915	5
Thunder	T6294 VT2P ↗	VT2PDG	94	211.8	17.3	1	31.0	924	1
Rob-See-Co	RC4213-AA ↗	AA	92	211.0	17.2	1	29.8	922	3
Rob-See-Co	RC4185-VT2P ↗	VT2P	91	210.6	17.0	1	31.0	923	2
Jacobsen	JS7045VT2PRO ↗	VT2P	95	208.7	17.1	1	30.0	913	6
Rob-See-Co	RC4518-VT2P ↗	VT2P	95	207.4	16.8	1	30.5	910	7
Hefty	H4564 ↗	STX	95	204.8	17.6	1	29.8	890	10
Heine	6450 ↗	STX	95	204.3	17.5	1	30.5	889	11
Renk	RK561DGV2P ↗	VT2PDG	95	204.0	17.1	1	30.5	892	9
Heine	6200 ↗	VT2P	95	203.5	16.7	1	31.0	895	8
Renk	RK485DGV2P ↗	VT2PDG	94	201.0	17.2	1	30.5	878	13
Enestvedt	E612RR ↗	RR2	92	200.5	17.1	1	30.9	877	14
Master Farmer	MBZ-P920-V ↗	V	92	200.5	17.2	1	28.6	875	17
Hefty	H4332 ↗	VT2P	93	200.3	17.1	1	31.4	877	15
Dairyland	DS-3203AM ↗	AM	92	200.0	17.0	1	30.0	876	16
Augusta	A2140-D ↗	D	90	199.9	17.4	1	31.0	871	18
Thunder	T6396 VT2P ↗	VT2P	94	199.7	16.7	1	31.4	879	12
Augusta	A1943-AA ↗	AA	93	199.4	18.2	1	29.0	859	24
Hefty	H4264 ↗	STX	92	198.2	16.8	1	31.0	870	20
Thunder	T6992 VT2P ↗	VT2P	92	198.0	16.7	1	30.5	871	19
Chargen	VX9131 ↗	DV	91	197.4	17.8	1	29.5	855	25
Dairyland	DS-3159AM ↗	AM	91	196.9	16.9	1	31.2	864	22
Rob-See-Co	RC4300-VT2P ↗	VT2P	93	196.0	16.8	1	31.0	861	23
REA	92B10 ↗	VT2P	92	195.9	16.3	1	30.0	866	21
Jacobsen	JS5044DGV2P ↗	VT2PDG	95	195.6	17.5	1	31.0	851	26
Dairyland	DS-3599Q ↗	QR	95	194.7	17.2	1	29.5	850	27
Golden Harvest	G92A51-AA ↗	AA	92	193.8	17.1	1	28.5	847	28
LG Seeds	LG42C80VT2PRIB ↗	VT2P	92	193.6	17.4	1	31.4	844	29
REA	95B53 ↗	VT2P	95	191.7	16.7	1	30.0	843	30
DEKALB	DKC50-87RIB CK	STX	100	185.9	18.5	1	29.5	798	38
				Averages =	195.7	17.2	1	30.4	855
				LSD (0.10) =	14.2	0.5	ns		
				LSD (0.25) =	7.4	0.3	ns		
				C.V. =	6.9				
				Historic yield: 180.15 bu/a, 11 yr(s)					



Mark Tollefson

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

Report Date: 11/12/2023

† 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 B2023SDNE05b
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL DESCRIPTION:	Poinsett-Buse-Waubay Complex silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, low K, 6.2 pH, 4.4% OM, 21.5 CEC
PEST MANAGEMENT:	Resicore, Roundup
FERTILITY - Applied N:	64 Spring
Applied N-P-K (units):	64-64-75
SEEDED - RATE - ROW:	May 8 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 10 30.2 /A

TEST COMMENTS:

This site got hit with a hail storm in June which caused damage and set the corn back some. Harvest went well with good weed control and nice yields. The corn looked a little tattered but stood well despite the hail damage early in the year. Grain moistures for both tests were not too variable. The field around the plot was averaging around 200 bushels per acre. Wildlife destroyed a few plots in the early season test affecting 3 plots.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H4964 ↗	STXP	99	225.8	17.8	1	30.5	978	1
Dairyland	DS-3881AM ↗	AM	98	221.0	17.9	1	29.8	956	2
Heine	6575VT2PRIB ↗	VT2P	99	220.4	17.9	1	30.0	954	3
Enestvedt	E600DP RIB ↗	VT2P	99	217.7	17.3	1	31.4	950	4
REA	98A15 ↗	STX	98	217.6	19.0	1	31.4	927	7
Renk	RK590VT2P ↗	VT2P	98	216.9	18.0	1	30.0	937	6
Thunder	T6999 VT2P ↗	VT2P	99	216.6	17.5	1	30.5	942	5
Dairyland	DS-4003Q ↗	QR	100	215.6	19.4	1	30.0	914	9
Golden Harvest	G97B68-DV ↗	DV	97	214.7	18.4	1	31.0	923	8
Heine	6650 ↗	TRE	99	210.7	17.9	1	30.5	912	10
DeKalb	DKC50-88RIB GC ↗	VT2P	100	209.0	18.8	1	30.0	893	13
Golden Harvest	G98B99-AA ↗	AA	98	207.0	19.7	1	31.2	874	20
Renk	RK579DGV2P ↗	VT2PDG	99	206.5	18.2	1	30.0	889	15
Thunder	T6300 VT2P ↗	VT2P	100	206.1	17.7	1	31.0	894	11
Renk	RK571PWE ↗	PCE	96	205.6	18.1	1	31.9	887	16
Hefty	H4653 RIB ↗	VT2PDG	96	205.5	18.3	1	31.4	884	17
Heine	6725PWE ↗	PCE	97	204.6	17.2	1	31.4	894	12
Jacobsen	JS9723TRE ↗	TRE	97	203.9	17.1	1	29.5	891	14
Chargen	VX9631 ↗	PCE	96	203.2	17.7	1	30.5	882	18
Heine	6815PWE ↗	PCE	98	200.8	18.0	1	31.0	868	22
LG Seeds	LG5465VT2RIB ↗	VT2P	97	200.0	17.6	1	31.4	869	21
Jacobsen	JS7096VT2PRO ↗	VT2P	97	199.3	17.6	1	30.5	866	24
Rob-See-Co	RC4779-PCE ↗	PCE	97	199.0	18.3	1	29.5	856	29
Renk	RK597SSPRO ↗	STXP	99	198.8	17.8	1	30.0	861	25
REA	98T64 ↗	TRE	98	198.5	17.9	1	30.5	858	27
Rob-See-Co	D98-43-TRE ↗	TRE	98	198.2	17.8	1	29.5	859	26
Thunder	T6298 VT2P ↗	VT2P	98	198.1	16.9	1	30.5	868	23
REA	96A79 ↗	STX	96	195.6	16.9	1	29.5	858	28
Hefty	H4942 RIB ↗	VT2P	99	194.7	17.4	1	30.5	849	30
LG Seeds	LG47C77VT2RIB ↗	VT2P	97	192.0	16.9	1	29.5	842	31
DEKALB	DKC50-87RIB CK	STX	100	204.5	18.5	1	31.0	877	19
				Averages =	199.8	18.0	1	30.2	864
				LSD (0.10) =	18.9	0.4	ns		
				LSD (0.25) =	9.9	0.2	ns		
				C.V. =	9.0				
				Historic yield: 180.15 bu/a, 11 yr(s)					

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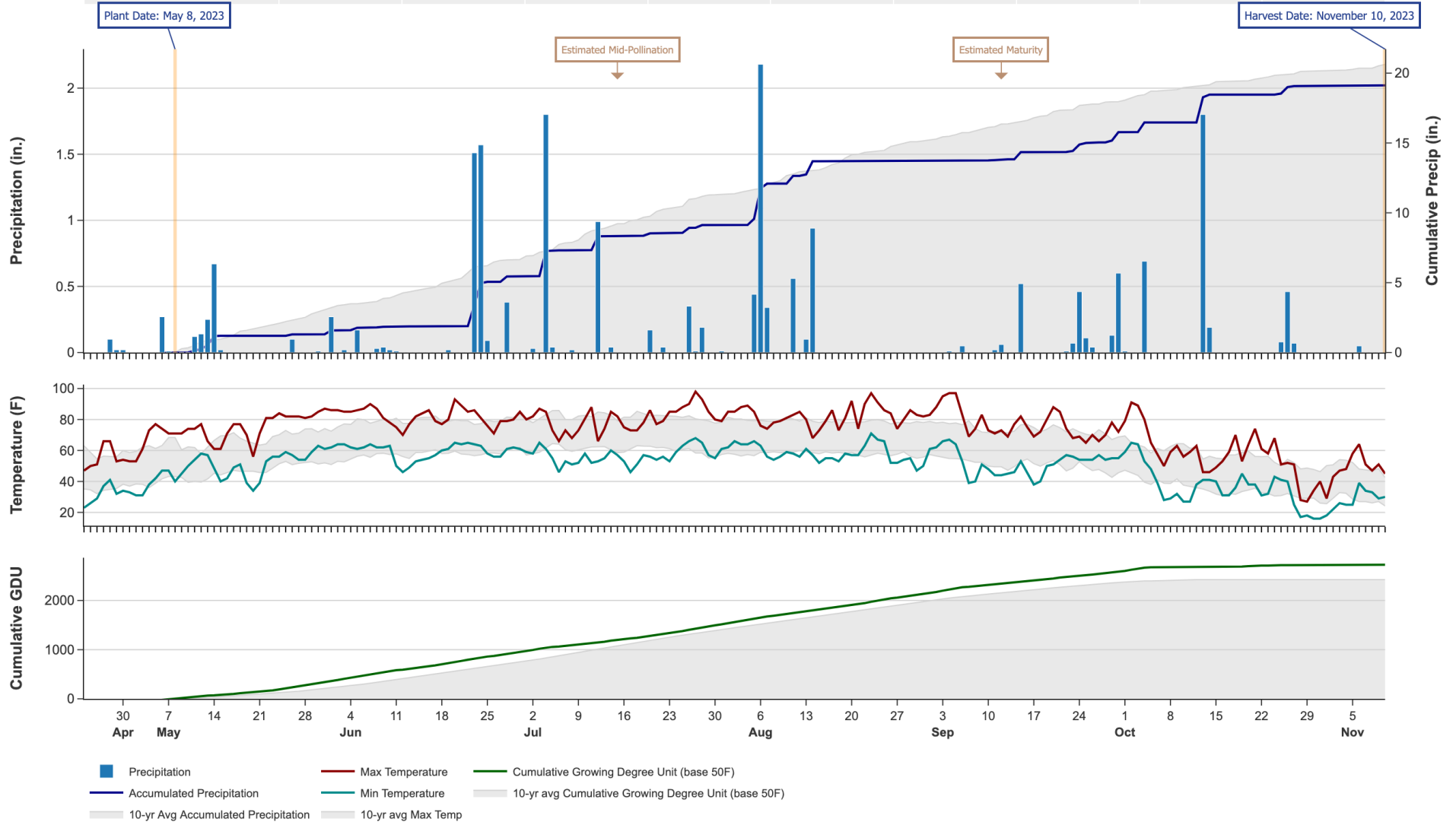
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2023 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at ARLINGTON, SD

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	0.1 0.6 (-0.5)	1.6 3.7 (-2.1)	4.1 3.6 (+0.5)	3.7 4.7 (-1.0)	4.6 3.8 (+0.7)	2.1 2.8 (-0.7)	3.3 2.2 (+1.1)	0.1 0.5 (-0.4)	19.5 21.9 (-2.3)
GDU Avg (Diff)	16 0 (+16)	392 243 (+148)	620 547 (+72)	561 653 (-92)	612 572 (+39)	454 387 (+66)	138 56 (+81)	7 0 (+7)	2800 2460 (+339)



* 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.