

Test by: Centrol Crop Consulting Volga, SD

2024 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] ALTAMONT, SD
Nelson Brothers, Deuel County, SD

Early-Season Test	91 - 95 Day CRM B2024SDNE03a
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Unknown
SOIL DESCRIPTION:	Barnes-Svea loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, high P, medium K, 6.1 pH, 3.6% OM, 19.5 CEC
PEST MANAGEMENT:	Ams, Callisto, Volley Atz Lite, Roundup Powermax 3
FERTILITY - Applied N:	101 Spring, 40 Sidedress, Sulfur 14 units
Applied N-P-K (units):	141-47-81
SEEDED - RATE - ROW:	May 29 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 1 31.9 /A

TEST COMMENTS:

Despite the later planting, this trial looked excellent all year, and finished out with respectable yields despite the excess moisture early on. The populations were near perfect across the board, and other than a little smut, the field was very clean and free from disease. One rep was dropped from the early-season test due to a stressed area affecting several plots.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Heine	6330DGV2PRIB ↗	VT2PDG	95	210.5	19.6	0	31.9	729	2
Integra	CX311096VT ↗	VT2P	94	210.0	18.8	0	31.9	734	1
Pioneer	P9211AM GC ↗	AM	92	202.2	18.9	0	31.9	706	4
Dahlman	R45-250VT2PRIB ↗	VT2P	90	202.2	17.5	0	31.9	718	3
Heine	6215VT2PRIB ↗	VT2P	95	201.9	19.2	0	31.9	703	5
Thunder	T6294 VT2P ↗	VT2PDG	94	199.1	18.7	0	31.9	697	7
Heine	6460VT2PRIB ↗	VT2P	94	198.3	19.1	0	31.9	691	9
Dahlman	R47-258VT2PRIB ↗	VT2P	94	197.2	18.7	0	31.9	691	10
Jacobsen	JS9414VT2P ↗	VT2P	95	196.8	18.3	0	31.9	692	8
Renk	RK456VT2P ↗	VT2P	94	196.6	17.0	0	31.9	702	6
Jacobsen	JS9494VT2P ↗	VT2P	94	195.6	19.3	0	31.9	681	11
Renk	RK519VT4P ↗	VT4P	95	194.5	19.3	0	31.9	677	14
Jacobsen	JS9672VT2P ↗	VT2P	95	194.3	19.0	0	31.9	678	12
Thunder	T6695 VT2P ↗	VT2P	95	194.3	19.9	0	31.9	671	18
Renk	RK485DGV2P ↗	VT2PDG	94	194.1	18.9	0	31.9	678	13
Jacobsen	JS9542DGV2P ↗	VT2PDG	95	193.9	19.5	0	31.9	673	16
Heine	6122VT2PRIB ↗	VT2P	91	192.0	18.1	0	31.9	677	15
Renk	RK444VT2P ↗	VT2P	93	191.5	19.4	0	31.9	665	21
Pioneer	P9489Q GC ↗	QR	94	191.0	18.5	0	31.9	670	19
Enestvedt	E612RR ↗	RR2	92	191.0	18.3	0	31.9	672	17
Thunder	T8592 SS ↗	STX	92	190.1	19.5	0	31.9	660	23
Heine	6561VT4PRIB ↗	VT4P	95	189.9	19.7	0	31.9	657	25
Renk	RK561DGV2P ↗	VT2PDG	95	188.7	17.5	0	31.9	670	20
Dahlman	R47-245DGV2PRIB ↗	VT2PDG	94	187.9	19.9	0	31.9	649	27
Dahlman	R48-239VT2PRIB ↗	VT2P	95	187.8	17.9	0	31.9	664	22
Legacy	LC414-21 SSSX RIB ↗	STX	91	185.8	18.0	1	31.9	656	26
Dairyland	DS-3477AM ↗	AM	94	185.4	19.4	0	31.9	644	28
DeKalb	DKC42-64RIB GC ↗	STX	92	183.6	18.9	0	31.9	641	29
Integra	4105 VT2PRIB ↗	VT2P	91	182.5	18.7	0	32.4	639	30
Dahlman	R47-24VT2PRIB ↗	VT2P	94	178.7	18.6	0	31.9	626	31
DEKALB	DKC43-75RIB CK	VT2P	93	187.0	18.0	0	31.9	660	24
				Averages =	189.0	18.8	0	31.9	661
				LSD (0.10) =	12.4	0.8	ns		
				LSD (0.25) =	6.5	0.4	ns		
				C.V. =	6.2				

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Historic yield: new site

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$3.65

Report Date: Nov. 1, 2024

† 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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2024 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] ALTAMONT, SD
Nelson Brothers, Deuel County, SD

Full-Season Test	96 - 100 Day CRM B2024SDNE03b
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Unknown
SOIL DESCRIPTION:	Barnes-Svea loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, high P, medium K, 6.1 pH, 3.6% OM, 19.5 CEC
PEST MANAGEMENT:	Ams, Callisto, Volley Atz Lite, Roundup Powermax 3
FERTILITY - Applied N:	101 Spring, 40 Sidedress, Sulfur 14 units
Applied N-P-K (units):	141-47-81
SEEDED - RATE - ROW:	May 29 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 1 31.9 /A

TEST COMMENTS:

Despite the later planting, this trial looked excellent all year, and finished out with respectable yields despite the excess moisture early on. The populations were near perfect across the board, and other than a little smut, the field was very clean and free from disease. One rep was dropped from the early-season test due to a stressed area affecting several plots.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK582SSTX ↗	STX	98	214.9	18.5	0	31.9	754	1
Thunder	T6298 VT2P ↗	VT2P	98	208.3	18.6	0	31.5	731	2
DeKalb	DKC99-11RIB GC ↗	VT2P	99	200.9	19.4	0	31.9	698	5
Renk	RK630TRE ↗	TRE	100	200.9	19.6	0	31.9	696	6
Dairyland	DS-3730V ↗	VE	97	200.9	19.9	0	31.9	693	9
Enestvedt	E600DP RIB ↗	VT2P	99	200.6	18.5	0	31.9	704	3
Thunder	T6500 VT2P ↗	VT2P	100	200.6	19.8	0	31.9	694	8
Heine	7025VT2PRIB ↗	VT2P	100	200.5	20.1	0	32.3	691	13
Jacobsen	JS9723TRE ↗	TRE	97	200.4	19.5	0	31.9	696	7
Heine	7053VT2PRIB ↗	VT2P	100	200.2	19.9	0	31.9	692	11
Enestvedt	E665TRE ↗	TRE	97	199.3	18.4	0	31.9	701	4
Heine	7017SSPRIB ↗	STXP	100	198.7	19.1	0	31.9	693	10
Legacy	LC-4248 SS ↗	STX	100	198.4	19.9	0	31.9	686	15
Heine	6760TRERIB ↗	TRE	97	197.8	18.7	0	31.9	692	12
Renk	RK597SSPRO ↗	STXP	99	196.9	18.8	0	31.9	689	14
Jacobsen	JS9904SS ↗	STX	98	196.8	19.1	0	31.9	686	16
Integra	4702 VT2PRIB ↗	VT2P	97	196.3	19.3	0	31.9	683	18
Dahlman	R49-29VT2PRIB ↗	VT2P	98	196.2	19.1	0	31.9	684	17
Thunder	T8396 SS ↗	STX	96	195.0	19.1	0	31.9	680	20
Dairyland	DS-3881V ↗	VE	98	194.6	18.6	0	31.9	682	19
Integra	5055 VT4PRIB ↗	VT4P	100	194.2	19.5	0	31.9	674	21
Jacobsen	JS0063VT4P ↗	VT4P	100	192.9	19.6	0	31.9	669	24
Heine	6650TRERIB ↗	TRE	99	192.6	18.9	0	31.9	673	22
Dahlman	R50-252VT2PRIB ↗	VT2P	100	191.1	19.1	0	31.9	667	25
Renk	RK586VT4P ↗	VT4P	99	189.1	19.3	0	31.5	658	26
Golden Harvest	G98U62-DV ↗	DV	98	187.4	20.0	0	31.9	646	28
Chargen	VX-9631 ↗	PCE	96	187.2	19.0	0	31.9	654	27
Pioneer	P9955AM GC ↗	AM	97	186.5	19.8	0	31.9	645	29
Integra	4845PCE ↗	PCE	98	184.3	19.0	0	31.9	644	30
Enestvedt	E654PCE ↗	PCE	96	183.1	18.8	0	31.9	641	31
DEKALB	DKC43-75RIB CK	VT2P	93	190.7	18.3	0	31.9	671	23
				Averages =	191.4	19.3	0	31.9	665
				LSD (0.10) =	11.5	0.8	ns		
				LSD (0.25) =	6.1	0.4	ns		
				C.V. =	6.6				
Matt Eich				Historic yield: new site					
matt.eich@firstseedtests.com, (605) 690-8748									

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$3.65

Report Date: Nov. 1, 2024

† 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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at www.firstseedtests.com

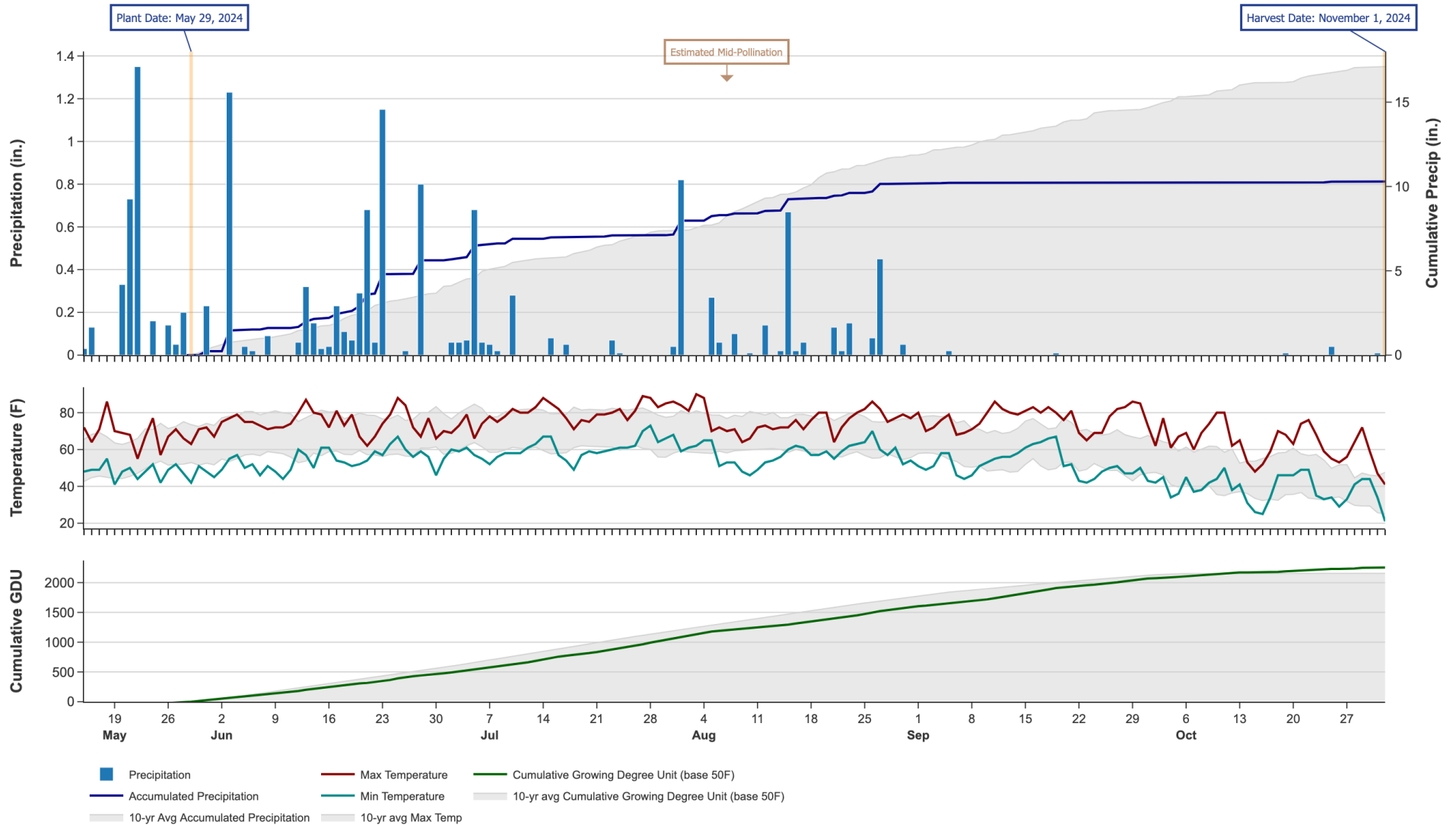
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2024 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at ALTAMONT, SD

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	3.4 1.7 (+1.6)	5.4 3.3 (+2.1)	1.5 3.7 (-2.2)	3.0 4.5 (-1.4)	0.0 2.7 (-2.7)	0.1 2.5 (-2.5)	0.0 0.0 (0.0)	13.4 18.5 (-5.1)
GDU Avg (Diff)	163 175 (-12)	443 535 (-92)	604 629 (-25)	520 561 (-41)	469 363 (+105)	196 41 (+154)	0 0 (0)	2395 2307 (+87)



* 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.

2024 Corn - South Dakota Northeast [SDNE]

Early-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A2140-AA	AA	N	90	CM,C2
Augusta	A2244	DV	Y	94	CM,C2
Augusta	A2541-DV	DV	Y	91	CM,C2
Dahlman	R45-250VT2PRIB	VT2P	Y	90	Treated
Dahlman	R47-245DGV2PRIB	VT2PDG	Y	94	Treated
Dahlman	R47-24VT2PRIB	VT2P	Y	94	Treated
Dahlman	R47-258VT2PRIB	VT2P	Y	94	Treated
Dahlman	R48-239VT2PRIB	VT2P	Y*	95	Treated
Dairyland	DS-3477AM	AM	Y	94	Lum,P5V
DeKalb	DKC41-54RIB GC	STXP	Y	91	AC,P5V,EDC-EL
DeKalb	DKC42-64RIB GC	STX	Y	92	AC,P5V,EDC-EL
DeKalb	DKC43-75RIB CK	VT2P	Y	93	AC,P5V
Enestvedt	E612RR	RR2	N	92	CM,C2,Vi
Golden Harvest	G91V51-DV	DV	Y	91	AVC,C5,Vi,Va
Golden Harvest	G94U63-V	V	Y	94	CM,C5,Vi,Va
Heine	6122VT2PRIB	VT2P	Y	91	F,I,B,NE,NU
Heine	6215VT2PRIB	VT2P	Y*	95	F,I,B,NE,NU
Heine	6330DGV2PRIB	VT2PDG	Y*	95	F,I,B,NE,NU
Heine	6460VT2PRIB	VT2P	Y	94	F,I,B,NE,NU
Heine	6561VT4PRIB	VT4P	Y	95	F,I,B,NE,NU
Integra	4105 VT2PRIB	VT2P	Y	91	AC,P5V,St,SU
Integra	CX311096VT	VT2P	Y	94	Treated
Jacobsen	JS9053VT2P	VT2P	Y	91	Treated
Jacobsen	JS9414VT2P	VT2P	Y	95	Treated
Jacobsen	JS9494VT2P	VT2P	Y	94	Treated
Jacobsen	JS9542DGV2P	VT2PDG	Y	95	Treated
Jacobsen	JS9672VT2P	VT2P	Y	95	Treated
Legacy	LC414-21 SSX RIB	STX	Y	91	P5V
Pioneer	P9211AM GC	AM	Y	92	Lum
Pioneer	P9489Q GC	QR	Y	94	Lum, L1
Renk	RK444VT2P	VT2P	Y*	93	AC,P2
Renk	RK456VT2P	VT2P	N	94	AC,P5V,EDC-EL
Renk	RK485DGV2P	VT2PDG	Y*	94	AC,P2
Renk	RK519VT4P	VT4P	N	95	AC,P5V,EDC-EL
Renk	RK561DGV2P	VT2PDG	Y*	95	AC,P2
Thunder	T6294 VT2P	VT2PDG	Y	94	AC,P2
Thunder	T6591 PC	PCE	Y	91	F,I
Thunder	T6592 VT2P	VT2P	Y	92	F,I
Thunder	T6695 VT2P	VT2P	Y	95	F,I
Thunder	T8592 SS	STX	Y	92	F,I

* 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.

2024 Corn - South Dakota Northeast [SDNE]

Full-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1946-AA	AA	N	96	CM,C2
Augusta	A2350	D	Y	100	CM,C2
Chargen	VX-9631	PCE	Y	96	CM,C2,Vi,Va
Chargen	VX-9931	PCE	Y	99	CM,C2,Vi,Va
Dahlman	R49-29VT2PRIB	VT2P	Y	98	Treated
Dahlman	R50-252VT2PRIB	VT2P	Y	100	Treated
Dairyland	DS-3730V	VE	Y	97	Lum, L1
Dairyland	DS-3881V	VE	Y	98	Lum, L1
DeKalb	DKC43-75RIB CK	VT2P	Y	93	AC,P5V
DeKalb	DKC99-11RIB GC	VT2P	Y	99	AC,P5V,EDC-EL
Enestvedt	E600DP RIB	VT2P	Y	99	AC,P2
Enestvedt	E654PCE	PCE	N	96	LumPro P2
Enestvedt	E665TRE	TRE	Y	97	AC,P5V,EDC-EL
Golden Harvest	G97B68-DV	DV	Y	97	CM,C5,Vi,Va
Golden Harvest	G98U62-DV	DV	Y	98	CM,C1,Vi,Va
Heine	6650TRERIB	TRE	N	99	F,I,B,NE,NU
Heine	6760TRERIB	TRE	Y	97	F,I,B,NE,NU
Heine	7017SSPRIB	STXP	Y	100	F,I,B,NE,NU
Heine	7025VT2PRIB	VT2P	Y	100	F,I,B,NE,NU
Heine	7053VT2PRIB	VT2P	Y	100	F,I,B,NE,NU
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,St,SU
Integra	4845PCE	PCE	Y	98	AC,P5V,St,SU
Integra	5055 VT4PRIB	VT4P	Y	100	AC,P5V,St,SU
Jacobsen	JS0063VT4P	VT4P	Y	100	Treated
Jacobsen	JS0083VT2P	VT2P	Y	100	Treated
Jacobsen	JS9723TRE	TRE	Y	97	Treated
Jacobsen	JS9904SS	STX	Y	98	Treated
Legacy	LC-4248 SS	STX	Y	100	P5V
Pioneer	P97299Q GC	AQ	Y	97	Lum, L1
Pioneer	P9955AM GC	AM	Y	97	Lum, L1
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK582SSTX	STX	Y*	98	AC,P5V,EDC-EL
Renk	RK586VT4P	VT4P	N	99	AC,P5V,EDC-EL
Renk	RK597SSPRO	STXP	Y*	99	AC,P5V,EDC-EL
Renk	RK630TRE	TRE	N	100	AC,P2
Thunder	T6298 VT2P	VT2P	Y	98	AC,P5V,Va
Thunder	T6498 PC	PCE	N	98	CM,C2,Vi,Va
Thunder	T6500 VT2P	VT2P	Y	100	AC,P2
Thunder	T8396 SS	STX	Y	96	AC,P5
Thunder	T8598 SS	STX	Y	98	F,I

* 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®
AQ	Optimum® AQUAmax®
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
VE	Vorceed™ Enlist®
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®
VT4P	VT4Pro™ with RNAi Technology

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

Corn Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,St,SU	Acceleron® Poncho 500/Votivo, Stamina, StepUp
AC,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AVC,C5,Vi,Va	Avicta Complete 500, Vibrance, Vayantis
CM,C1,Vi,Va	CruiserMaxx® 1250 with Vibrance, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5,Vi,Va	CruiserMaxx® 500 with Vibrance, Vayantis®
F,I	Fungicide, Insecticide
F,I,B,NE,NU	Fungicide, Insecticide, Biological, Nematicide, Nutrition
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
LumPro P2	Lumiscend Pro /Lumiflex fungicide, L-2012R bio-fungicide, Lumisure 250/ Lumivia250 insecticide, Lumialza nematicide
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.