

Test by: Peterson Seed Testing LLC New Richland, MN

2024 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] SIOUX FALLS, SD

Kenny Aylward, Minnehaha County, SD

Early-Season Test

98 - 102 Day CRM
B2024SDSE04a

Top 30 of 40

For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB:

Soybeans / Enlist, Liberty

SOIL DESCRIPTION:

Ethan-Egan Complex loam, well
drained, non-irrigated

SOIL CONDITION:

No-Till, high P, high K, 6.1 pH,
4.9% OM, 20.1 CEC

PEST MANAGEMENT:

Resicore, Impact

FERTILITY - Applied N:

120 Fall

Applied N-P-K (units):

120-60-60

SEEDED - RATE - ROW:

May 16 32.5 /A 30" spacing

HARVESTED - STAND:

Oct 16 29.4 /A

TEST COMMENTS:

This site was planted May 16. Soil at planting was on the wetter side. Crop emergence was somewhat uneven due to the wet conditions faced this spring. Over 15" of rain fell from planting to the end of June, leaving this site extremely saturated. Root development suffered from excess moisture early in the season, and some lodging could be attributed to this. July and August turned dry causing this crop to reach maturity quickly. Some variation in soils and slope was exaggerated by moisture available. The test results were rejected due to yield variability from the extreme soil moisture changes.

Company/Brand	Product/Brand	Tech/1	RR	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
None	7825V73PMB +	VTGP	100	288.8	15.0	1	25.0	888	1
HyFlex	W2388 +	VTGP	100	284.2	15.0	1	25.5	777	2
Danland	DS-288TV +	VE	98	188.9	15.0	1	25.8	732	4
Argenta	A2201 +	AA	101	175.5	15.3	2	25.4	681	5
Rank	W23752PMD +	STAP	98	174.7	14.8	1	25.4	681	6
Argenta	A2202 +	D	100	170.5	15.1	1	25.5	667	8
Rank	W2326V7GP +	VTGP	100	173.3	15.7	1	25.5	668	7
Rank	W2326V7GP +	VTGP	101	172.4	15.7	1	25.0	668	10
HyFlex	W19888B +	VTGP	100	171.5	14.8	1	25.4	667	9
None	7825V73PMB +	VTGP	100	170.4	15.0	1	25.4	658	12
HyFlex	W1988 +	VTGP	97	169.5	15.0	2	25.4	662	11
Danland	DS-410TV +	VE	100	169.0	15.0	1	25.4	650	13
Pioneer	P2728PCE GC	PCE	100	169.5	14.8	1	25.8	650	14
Legacy	LC484-23 PCE RA +	PCE	100	168.1	15.3	2	25.8	646	15
Danland	DS-101-288B GC +	VTGP	101	168.5	15.3	2	25.0	624	16
Argenta	W23752PMD +	VTGP	98	157.5	15.4	3	25.7	612	17
Miller Hybrids	W2375 +	VTGP	100	157.4	15.3	2	25.0	612	18
None	W23752PMD +	VTGP	98	156.8	15.0	2	25.4	608	20
Golden Harvest	GG2375 +	AA	98	156.8	15.0	2	25.8	608	21
Thunder	T2375 +	VTGP	100	156.8	15.4	1	25.8	608	19
Wing (Blue River)	W2375 +	CONV	98	155.7	14.9	1	25.8	607	22
Rank	W23752PMD +	VTGP	98	155.7	14.8	2	25.4	607	23
Wing (Blue River)	W2375 +	CONV	101	155.5	15.8	2	25.4	601	25
Miller Hybrids	W2375 +	CONV	100	155.2	14.8	1	25.1	605	24
Miller Hybrids	W2375 +	CONV	98	153.0	15.0	2	25.0	588	26
HyFlex	W24488B +	VTGP	100	152.4	15.8	1	25.4	581	27
None	7825V73PMB +	VTGPDS	100	151.1	15.8	2	25.4	580	28
Miller Hybrids	W2375PCE +	PCE	100	151.0	15.8	1	25.4	580	29
Rank	W23752V7GP +	VTGPDS	98	148.9	15.4	2	25.0	567	30
Golden Harvest	GG2387 AA +	AA	100	145.3	15.0	1	25.8	561	31

Payden Peterson

Payden Peterson

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Averages = **156.9** **15.6** **2** **29.4** **610**

LSD (0.10) = 26.7 0.8 3

LSD (0.25) = 14.0 0.4 1

C.V. = 18.7

Historic yield: new site

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$3.90

Report Date: 10/17/2024

Additional reports available at www.firstseedtests.com

† 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 Southeast [SDSE] SIOUX FALLS, SD

Kenny Aylward, Minnehaha County, SD

Full-Season Test 103 - 108 Day CRM
B2024SDSE04b

Top 30 of 40 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybeans / Enlist, Liberty

SOIL DESCRIPTION: Ethan-Egan Complex loam, well
drained, non-irrigated

SOIL CONDITION: No-Till, high P, high K, 6.1 pH,
4.9% OM, 20.1 CEC

PEST MANAGEMENT: Resicore, Impact

FERTILITY - Applied N: 120 Fall

Applied N-P-K (units): 120-60-60

SEEDED - RATE - ROW: May 16 32.5 /A 30" spacing

HARVESTED - STAND: Oct 16 29.5 /A

TEST COMMENTS:

This site was planted May 16. Soil at planting was on the wetter side. Crop emergence was somewhat uneven due to the wet conditions faced this spring. Over 15" of rain fell from planting to the end of June, leaving this site extremely saturated. Root development suffered from excess moisture early in the season, and some lodging could be attributed to this. July and August turned dry causing this crop to reach maturity quickly. Some variation in soils and slope was exaggerated by moisture available. The test results were rejected due to yield variability from the extreme soil moisture changes.

Company/Brand	Product/Brand	Treatment	RR	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Intrepid	5402 DDT2PMB +	VT2PDS	104	176.8	17.0	3	29.0	676	1
Everest	ES14 +	CONV	104	175.8	17.9	1	29.8	668	2
Rob-Sev-Co	RC3430-DDVT2P-OC +	VT2PDS	104	171.0	19.0	1	30.1	636	4
Legacy	LC304-23-30X-MB-OC +	STX	106	167.7	17.0	1	30.2	641	3
Rock	RR320DDVT2P +	VT2PDS	104	167.1	19.1	1	29.0	624	5
Intrepid	5504 PCE +	PCE	106	166.0	19.0	2	29.0	616	6
Danland	DS-4480V +	VE	104	162.9	19.7	1	29.0	611	8
HyFlex	HT200PMB +	VT2P	100	159.3	19.0	1	29.8	613	7
Rob-Sev-Co	RC3708-VT2P-OC +	VT2P	107	159.0	19.0	2	29.8	590	11
Rock	RR342V2P +	VT2P	106	158.0	19.0	5	29.4	590	12
HyFlex	HT200PMB +	VT2P	100	157.1	19.0	2	30.1	594	9
Thunder	T2000 PC +	PCE	106	156.0	17.7	2	30.1	594	10
Rock	RR370PCE +	PCE	106	155.0	20.4	3	29.4	574	15
HyFlex	HT200PMB +	VT2P	100	152.3	19.2	1	29.4	575	14
Viking / Blue River	VS-07-OC +	CONV	107	151.3	19.7	1	29.8	561	16
Miller Hybrids	MH3-04 +	CONV	106	149.2	19.9	1	29.8	549	19
Rock	RR30PMB-OC +	VT2P	104	147.4	19.9	1	29.8	552	18
Miller Hybrids	MH3-02 +	CONV	106	145.1	17.0	3	29.0	554	17
Thunder	T2000 +	CONV	104	143.1	17.4	3	29.4	544	20
Golden Harvest	GS-01 +	OC	100	143.0	19.0	1	29.8	540	21
Danland	DS-4480V +	VE	106	142.3	19.1	2	29.4	531	22
Everest	ES14 +	CONV	106	138.1	19.1	2	29.4	525	23
Rock	RR30VT2PMB +	VT2P	106	136.3	19.1	13	29.4	515	24
Viking / Blue River	VS-08-OC +	CONV	106	135.3	19.3	4	29.4	505	26
Rock	RR320TMB +	TMB	106	135.1	19.4	2	30.1	509	25
Intrepid	5602 VT2PMB +	VT2P	106	134.5	19.3	2	29.8	507	27
Argus	A2300 +	PCE	106	134.0	20.7	3	29.0	492	31
Rock	RR30VT2PMB +	VT2P	107	133.9	19.2	6	29.7	505	28
HyFlex	HT200PMB +	STAP	100	133.6	17.0	1	29.4	510	25
Danland	DS-4400PCE +	PCE	106	131.0	19.2	2	29.4	504	30

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Averages = 144.8 18.7 3 29.5 543

LSD (0.10) = ns 1.6 ns

LSD (0.25) = ns 0.8 ns

C.V. = 19.6

Historic yield: new site

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$3.90

Report Date: 10/17/2024

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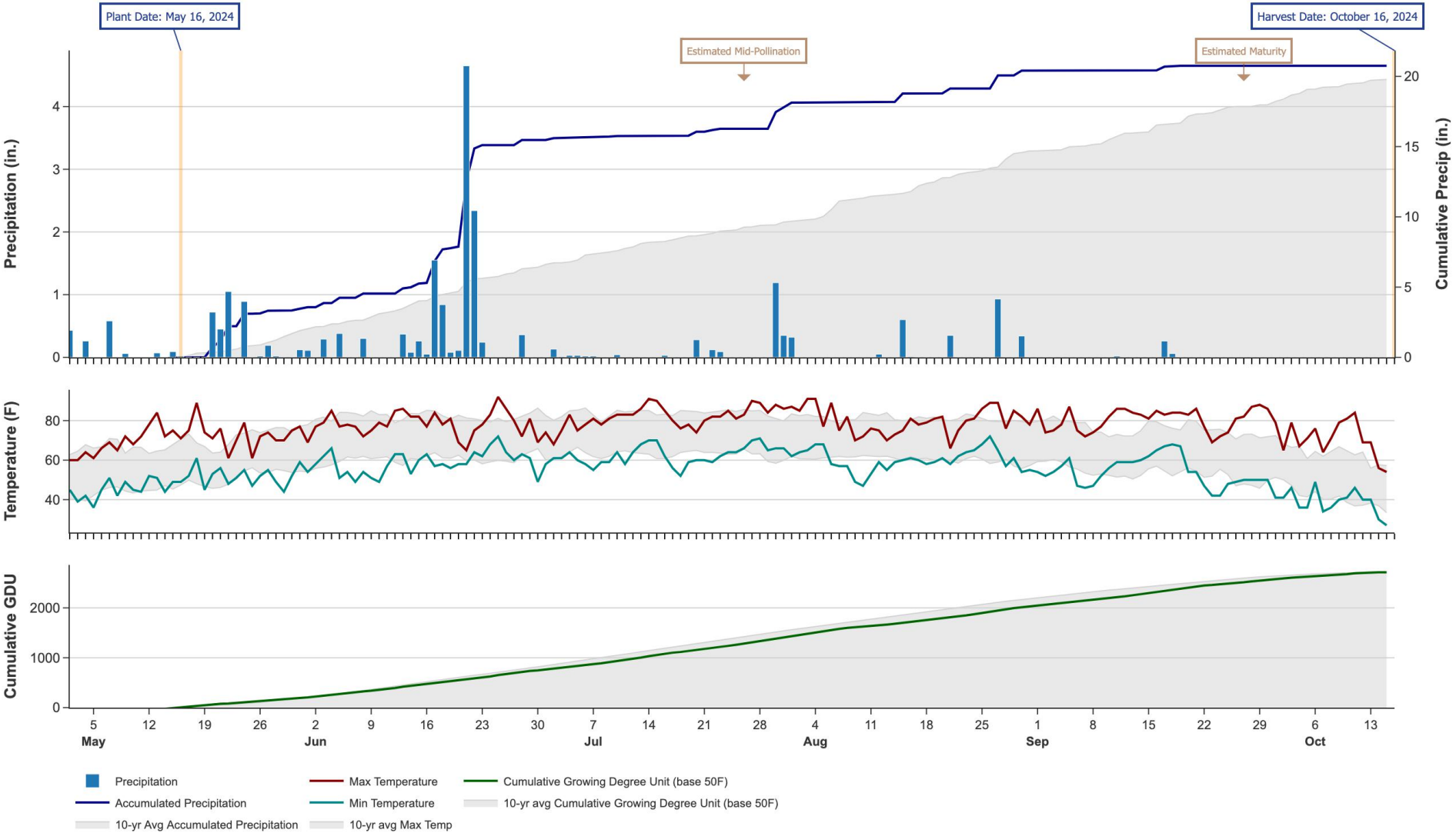
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2024 Corn - South Dakota Southeast [SDSE]

Weather Conditions Summary at SIOUX FALLS, SD

Weather Data Retrieved: 10/17/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	5.0 3.3 (+1.6)	12.0 4.5 (+7.5)	2.3 3.2 (-0.9)	2.6 5.0 (-2.4)	0.3 3.3 (-3.0)	0.0 1.8 (-1.8)	22.3 21.2 (+1.0)
GDU Avg (Diff)	334 307 (+26)	552 634 (-82)	672 719 (-47)	610 645 (-35)	538 446 (+91)	145 86 (+58)	2851 2841 (+9)



* 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 Southeast [SDSE]

Early-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A2252	D	N	102	CM,C2
Augusta	A2351	AA	Y	101	CM,C2
Dairyland	DS-3881V	VE	Y	98	Lum, L1
Dairyland	DS-4191V	VE	Y	101	Lum, L1
DeKalb	DKC101-35RIB GC	VT2P	Y	101	AC,P5V
Golden Harvest	G00A97-AA	AA	Y	100	CM,C5,Vi,Va
Golden Harvest	G01U74-AA	AA	Y	101	CM,C1,Vi,Va
Golden Harvest	G98B99-AA GC	AA	Y	98	CM,C5,Vi,Va
Heine	6650TRERIB	TRE	N	99	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
Heine	7291PWE	PCE	Y	102	F,I,B,NE,NU
Heine	7480DGV2PRIB	VT2PDG	Y	102	F,I,B,NE,NU
Integra	4845PCE	PCE	Y	98	AC,P5V,St,SU
Integra	4993 TRERIB	TRE	N	99	AC,P5V,St,SU
Integra	5055 VT4PRIB	VT4P	Y	100	AC,P5V,St,SU
Integra	5225 TRERIB	TRE	Y	102	AC,P5V,St,SU
Legacy	LC494-23 PCE RA GC	PCE	Y*	99	CM,C2,Vi,Va
Miller Hybrids	M00-75	CONV	N	100	MSC
Miller Hybrids	M02-06PC	PCE	Y	102	MSC
Miller Hybrids	RX00-58	CONV	N	100	MSC
Miller Hybrids	RX98-30	CONV	N	98	CM,C2,Vi,Va
Pioneer	P05737V CK	VE	Y	105	Lum
Pioneer	P97299PCE GC	PCE	Y	97	Lum
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK586VT4P	VT4P	N	99	AC,P5V,EDC-EL
Renk	RK597SSPRO	STXP	Y*	99	AC,P5V,EDC-EL
Renk	RK609VT2P	VT2P	Y	101	AC,P2
Renk	RK628VT2P	VT2P	Y*	102	AC,P2
Thunder	T6498 PC	PCE	N	98	CM,C2,Vi,Va
Thunder	T6500 VT2P	VT2P	Y	100	AC,P2
Thunder	T6501 AA	AA	Y	101	F,I
Thunder	T8502 DC	D	Y	102	F,I
Thunder	T8598 SS	STX	Y	98	F,I
Viking Blue River	24-01	CONV	N	101	CM,C2
Viking Blue River	24-99	CONV	N	99	CM,C2
Wyffels	W1869	STXP	N	97	AC,P5V
Wyffels	W1996RIB	VT2P	Y*	98	CM,C2,Vi,Va
Wyffels	W2386	VT2P	N	100	AC,P5V
Wyffels	W2446RIB	VT2P	Y*	100	CM,C2,Vi,Va

* 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 Southeast [SDSE]

Full-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A2356	PCE	N	106	CM,C2
Augusta	A2357	V	N	107	CM,C2
Dairyland	DS-4488V	VE	Y	104	Lum, L1
Dairyland	DS-4533PCE	PCE	Y	105	Lum, L1
Dairyland	DS-4833AM	AM	Y	108	Lum
Enestvedt	E514	CONV	N	104	AC,P5V
Enestvedt	E541	CONV	N	106	CM,C2,Vi
Golden Harvest	G03U08-D	D	Y	103	CM,C1,Vi,Va
Golden Harvest	G08U00-V	V	Y	108	CM,C1,Vi,Va
Heine	7429PWERIB	PCE	Y	104	F,I,B,NE,NU
Heine	7634PWERIB	PCE	Y	106	F,I,B,NE,NU
Heine	7761VT2PRIB	VT2P	Y	107	F,I,B,NE,NU
Heine	7840PWERIB	PCE	Y	108	F,I,B,NE,NU
Heine	795VT2PRIB	VT2P	Y	108	F,I,B,NE,NU
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V,St,SU
Integra	5584 PCE	PCE	Y*	105	AC,P5V,St,SU
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,St,SU
Legacy	LC554-23 SSX RIB GC	STX	Y*	105	P5V
Miller Hybrids	M06-62	CONV	N	106	MSC
Miller Hybrids	M08-54	CONV	N	108	MSC
Miller Hybrids	RX03-47	CONV	N	103	MSC
Pioneer	P05737V CK	VE	Y	105	Lum
Renk	RK625DGV2P	VT2PDG	Y*	104	AC,P2
Renk	RK703PCE	PCE	Y*	106	Lum
Renk	RK705VT4P	VT4P	N	105	AC,P5V,EDC-EL
Renk	RK720TRE	TRE	Y*	106	AC,P2
Renk	RK742VT2P	VT2P	N	108	AC,P5V,EDC-EL
Rob-See-Co	RC5430-DGV2P GC	VT2PDG	Y	104	AC,P2
Rob-See-Co	RC5768-VT2P GC	VT2P	Y	107	CM,C2,Vi,Va
Thunder	T2504 CONV	CONV	N	104	AC,P5V
Thunder	T6306 PC	PCE	Y	106	CM,C2,Vi,Va
Thunder	T6504 PC	PCE	Y	104	F,I
Thunder	T6507 PC	PCE	Y	107	F,I
Thunder	T6509 AV	V	Y	108	F,I
Viking Blue River	72-06 GC	CONV	N	106	CM,C2
Viking Blue River	75-07 GC	CONV	N	107	CM,C2
Wyffels	W3286RIB	VT2P	Y*	103	CM,C2,Vi,Va
Wyffels	W3309RIB	STXP	Y*	103	CM,C2,Vi,Va
Wyffels	W3579RIB	STXP	Y*	105	CM,C2,Vi,Va
Wyffels	W5406RIB	VT2P	Y*	108	CM,C2,Vi,Va

* 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®
CONV	Conventional
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
PCE	PowerCore® Enlist®
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,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
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
MSC	Miller Hybrids ShieldCoat™ with Vertex
P5V	Poncho 500/Votivo

* Seed treatments may include unspecified plant health promoting components.