

Test by: Peterson Seed Testing LLC New Richland, MN

2024 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] JEFFERSON, SD
Austin Chicoine, Union County, SD

Early-Season Test	98 - 102 Day CRM B2024SDSE05a
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Roundup, Liberty
SOIL DESCRIPTION:	Haynie silt loam, well drained, non-irrigated
SOIL CONDITION:	Strip-Till, low P, very high K, 6.0 pH, 3.7% OM, 36.1 CEC
PEST MANAGEMENT:	Acuron (2x)
FERTILITY - Applied N:	160 Sidedress
Applied N-P-K (units):	160-80-60
SEEDED - RATE - ROW:	May 17 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 22 29.9 /A

TEST COMMENTS:

A wet spring delayed planting here until May 17. The soil was wetter than I would like to see at planting, but with more rain on the way that likely would have kept us out until the end of May, we decided to plant. The common theme for this year has been too much moisture early, and not enough late. Many fields in this area were affected by excessive spring rainfall, and/or flooding from the nearby Missouri River. Despite the saturated conditions, the stand was excellent and showed great potential going into mid-July. A dry finish caused shallow kernel depths, and stalk cannibalization.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK579DGV2P ↗	VT2PDG	99	204.9	12.3	1	30.5	799	1
Dairyland	DS-3881V ↗	VE	98	204.1	12.1	2	30.5	796	2
Integra	5055 VT4PRIB ↗	VT4P	100	203.5	12.4	1	30.5	793	3
Dairyland	DS-4191V ↗	VE	101	203.0	12.5	3	30.1	792	4
Wyffels	W1869 ↗	STXP	97	201.9	12.2	2	30.5	787	5
Wyffels	W2446RIB ↗	VT2P	100	200.4	12.5	2	30.5	782	6
Integra	5225 TRERIB ↗	TRE	102	200.3	12.5	3	30.1	781	7
Heine	7053VT2PRIB ↗	VT2P	100	194.8	12.3	5	29.8	760	9
Renk	RK597SSPRO ↗	STXP	99	194.1	12.2	3	30.1	757	10
Thunder	T8598 SS ↗	STX	98	194.0	12.3	2	29.8	757	11
Thunder	T6500 VT2P ↗	VT2P	100	193.2	12.3	1	30.1	753	12
Renk	RK586VT4P ↗	VT4P	99	192.7	12.3	3	29.8	752	13
Wyffels	W2386 ↗	VT2P	100	191.9	12.4	3	30.1	748	14
Miller Hybrids	M00-75 ↗	CONV	100	190.4	12.4	3	29.8	743	15
Golden Harvest	G01U74-AA ↗	AA	101	190.1	12.4	3	29.4	741	16
Pioneer	P97299PCE GC ↗	PCE	97	189.0	12.2	3	29.4	737	17
Miller Hybrids	RX98-30 ↗	CONV	98	188.3	12.2	3	29.4	734	18
Legacy	LC494-23 PCE RA GC ↗	PCE	99	186.6	12.3	1	30.0	728	19
Renk	RK628VT2P ↗	VT2P	102	185.6	12.4	2	29.4	724	20
Thunder	T8502 DC ↗	D	102	185.1	12.5	3	30.1	722	21
Heine	7025VT2PRIB ↗	VT2P	100	184.3	12.3	3	30.5	718	22
Heine	7291PWE ↗	PCE	102	183.4	12.4	2	30.5	715	23
Heine	6650TRERIB ↗	TRE	99	182.9	12.2	6	29.4	713	24
DeKalb	DKC101-35RIB GC ↗	VT2P	101	182.7	12.4	4	29.8	713	25
Miller Hybrids	M02-06PC ↗	PCE	102	182.6	12.4	4	30.1	712	26
Augusta	A2252 ↗	D	102	182.5	12.4	1	30.0	712	27
Renk	RK609VT2P ↗	VT2P	101	181.9	12.5	3	29.8	709	28
Viking Blue River	24-01 ↗	CONV	101	180.1	12.4	3	30.0	702	29
Integra	4993 TRERIB ↗	TRE	99	179.1	12.3	3	30.1	698	30
Integra	4845PCE ↗	PCE	98	178.6	12.3	2	30.1	697	31
PIONEER	P05737V CK	VE	105	195.2	12.7	2	29.8	761	8
				Averages =	186.2	12.3	3	29.9	727
				LSD (0.10) =	10.3	0.1	3		
				LSD (0.25) =	5.4	0.1	1		
				C.V. =	6.1				
				Historic yield: 247.57 bu/a, 2 yr(s)					

Payden Peterson

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Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$3.90

Report Date: 10/24/2024

† 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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Test by: Peterson Seed Testing LLC New Richland, MN

2024 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] JEFFERSON, SD
Austin Chicoino, Union County, SD

Full-Season Test	103 - 108 Day CRM B2024SDSE05b
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Roundup, Liberty
SOIL DESCRIPTION:	Haynie silt loam, well drained, non-irrigated
SOIL CONDITION:	Strip-Till, low P, very high K, 6.0 pH, 3.7% OM, 36.1 CEC
PEST MANAGEMENT:	Acuron (2x)
FERTILITY - Applied N:	160 Sidedress
Applied N-P-K (units):	160-80-60
SEEDED - RATE - ROW:	May 17 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 22 29.8 /A

TEST COMMENTS:

A wet spring delayed planting here until May 17. The soil was wetter than I would like to see at planting, but with more rain on the way that likely would have kept us out until the end of May, we decided to plant. The common theme for this year has been too much moisture early, and not enough late. Many fields in this area were affected by excessive spring rainfall, and/or flooding from the nearby Missouri River. Despite the saturated conditions, the stand was excellent and showed great potential going into mid-July. A dry finish caused shallow kernel depths, and stalk cannibalization.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Thunder	T6306 PC ↗	PCE	106	192.4	12.7	5	29.4	750	1
Rob-See-Co	RC5768-VT2P GC ↗	VT2P	107	192.1	12.9	11	29.4	749	2
Viking Blue River	72-06 GC ↗	CONV	106	189.6	12.6	3	30.0	739	3
Augusta	A2357 ↗	V	107	189.5	12.9	5	30.0	739	4
Integra	5443 DGVT2PRIB ↗	VT2PDG	104	188.4	12.5	3	30.1	735	5
Dairyland	DS-4533PCE ↗	PCE	105	187.7	12.6	3	29.8	732	6
Renk	RK742VT2P ↗	VT2P	108	185.5	12.8	3	29.8	723	8
Wyffels	W5406RIB ↗	VT2P	108	185.4	12.8	3	30.5	723	9
Dairyland	DS-4488V ↗	VE	104	181.9	12.5	5	30.1	709	10
Rob-See-Co	RC5430-DGVT2P GC ↗	VT2PDG	104	181.6	12.5	5	29.4	708	11
Miller Hybrids	M06-62 ↗	CONV	106	181.1	12.7	5	29.4	706	12
Golden Harvest	G08U00-V ↗	V	108	179.7	12.8	3	30.5	701	13
Thunder	T6509 AV ↗	V	108	178.3	12.8	5	30.1	695	14
Renk	RK625DGVT2P ↗	VT2PDG	104	178.0	12.5	4	30.1	694	15
Renk	RK705VT4P ↗	VT4P	105	177.5	12.7	6	29.4	692	16
Miller Hybrids	RX03-47 ↗	CONV	103	176.5	12.4	4	29.8	688	17
Renk	RK703PCE ↗	PCE	106	175.1	12.8	2	30.1	683	18
Heine	7840PWERIB ↗	PCE	108	175.1	12.8	5	29.4	683	19
Renk	RK720TRE ↗	TRE	106	174.3	12.7	5	29.4	680	20
Viking Blue River	75-07 GC ↗	CONV	107	174.1	12.8	4	30.1	679	21
Enestvedt	E514 ↗	CONV	104	173.8	12.6	3	29.8	678	22
Enestvedt	E541 ↗	CONV	106	172.0	12.7	3	29.8	671	23
Heine	795VT2PRIB ↗	VT2P	108	171.6	12.9	3	29.8	669	24
Integra	5584 PCE ↗	PCE	105	171.5	12.6	3	30.1	669	25
Golden Harvest	G03U08-D ↗	D	103	169.4	12.5	6	30.1	661	26
Miller Hybrids	M08-54 ↗	CONV	108	168.6	12.8	5	29.8	658	27
Integra	5802 VT2PRIB ↗	VT2P	108	168.2	12.8	9	30.0	656	28
Wyffels	W3286RIB ↗	VT2P	103	167.6	12.4	8	30.1	654	29
Thunder	T2504 CONV ↗	CONV	104	166.2	12.6	6	29.8	648	30
Dairyland	DS-4833AM ↗	AM	108	166.1	12.8	4	29.4	648	31
PIONEER	P05737V CK	VE	105	186.3	12.5	3	29.8	727	7
				Averages =	173.8	12.7	5	29.8	678
				LSD (0.10) =	13.6	0.1	ns		
				LSD (0.25) =	7.1	0.1	ns		
				C.V. =	8.6				
				Historic yield: 247.57 bu/a, 2 yr(s)					

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$3.90

Report Date: 10/24/2024

† 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

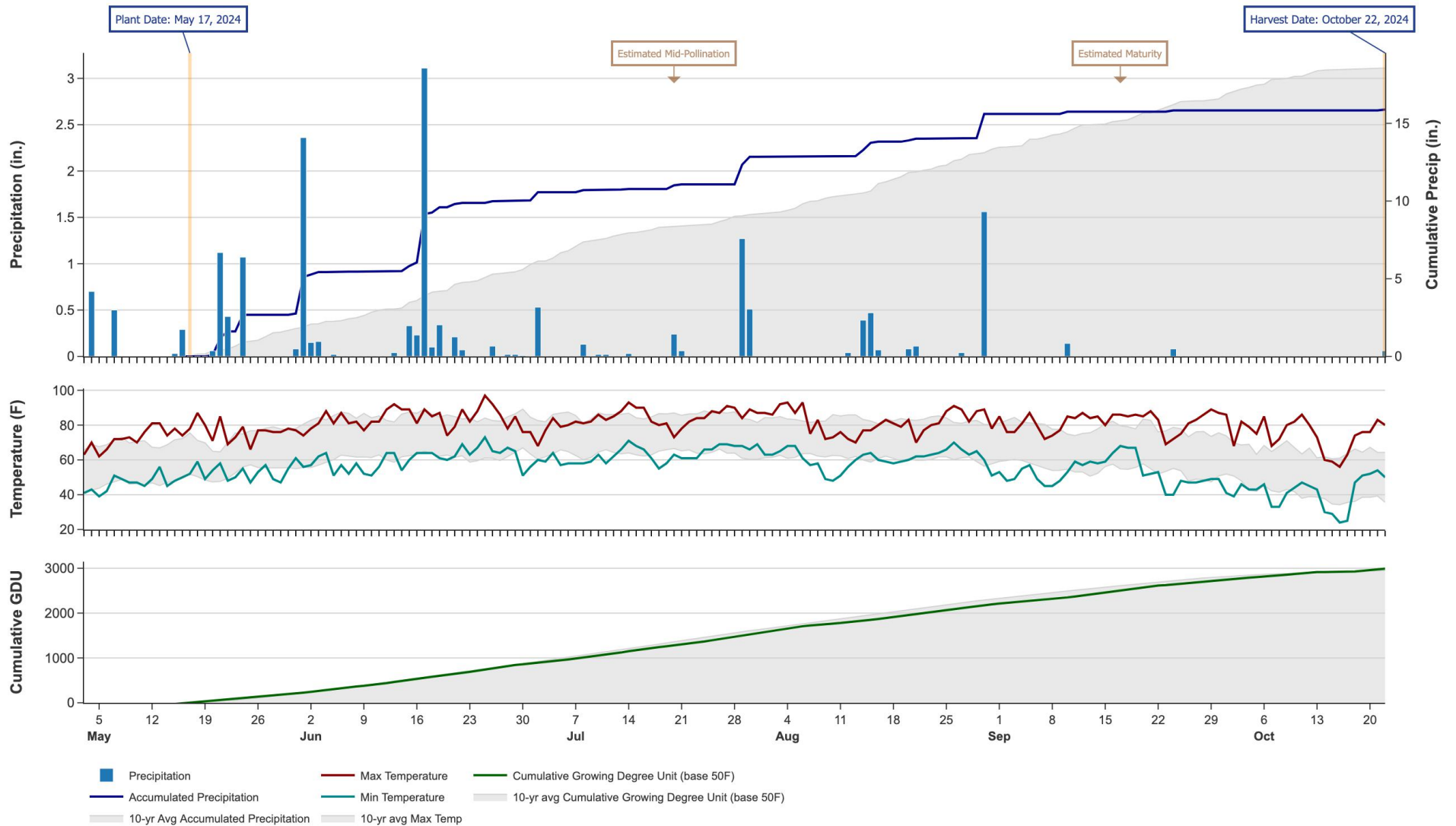
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2024 Corn - South Dakota Southeast [SDSE]

Weather Conditions Summary at JEFFERSON, SD

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	4.3 3.5 (+0.8)	7.3 3.8 (+3.5)	2.8 3.6 (-0.8)	2.8 4.2 (-1.4)	0.2 3.2 (-3.0)	0.1 2.0 (-1.9)	17.4 20.2 (-2.8)
GDU Avg (Diff)	386 341 (+44)	646 684 (-38)	698 751 (-53)	640 683 (-43)	538 496 (+41)	256 139 (+116)	3164 3097 (+66)



* 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 SXX 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.