

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

2022 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] BURBANK, SD
Tom Hall, Union County, SD

Early-Season Test	98 - 102 Day CRM B2022SDSE11a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Sonic, Roundup, Volunteer, Flexstar
SOIL DESCRIPTION:	Wentworth-Worthy silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 7.1 pH, 3.4% OM, 19.5 CEC
PEST MANAGEMENT:	Liberty, Volunteer, Atrazine
FERTILITY - Applied N:	75 Sidedress, 20 Foliar Rescue, Kugler ks2075 applied foliar applied in August
Applied N-P-K (units):	95-0-0
SEDED - RATE - ROW:	May 14 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 31 31.0 /A

TEST COMMENTS:

Subsoil moisture was low this spring after a dry growing season in 2021. There were some timely spring rains to allow this plot to get a good start but the continual drought all summer long affected the overall yield potential. This field had good soil fertility, so we were able to get corn yields of around 160 bu/ac. We did see a little bit of weed pressure as the corn was slow to canopy. At harvest, extremely dry grain moistures and some shelling at the head were present.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	101B51 ↗	VT2P	101	191.7	13.1	2	30.8	1150	1
DeKalb	DKC52-99RIB GC ↗	TRE	102	181.3	13.3	3	30.5	1088	2
Renk	RK615SSTX ↗	STX	102	178.3	13.1	1	29.5	1070	4
Integra	5280 VT2PRIB ↗	VT2P	102	175.8	13.3	2	31.9	1055	5
Latham	LH 5245 VT2P RIB ↗	VT2P	102	173.7	13.8	1	30.8	1042	6
Dairyland	DS-4219AM ↗	AM	102	173.3	13.7	1	31.9	1040	7
Thunder	T6902 VT2P ↗	VT2P	102	172.2	13.5	1	29.0	1033	8
Heine	6650TRE ↗	TRE	99	169.7	12.8	1	30.8	1018	9
Wyffels	W2656 ↗	VT2P	101	168.8	13.4	1	31.2	1013	10
Renk	RK600VT2P ↗	VT2P	100	167.0	14.0	1	30.8	1002	11
Heine	7175 ↗	VT2P	101	163.7	13.3	1	30.8	982	12
Viking	52-00 ↗	CONV	100	159.9	13.5	2	31.6	959	13
Rob-See-Co	RC4838-3010 ↗	3010	98	158.8	13.1	1	29.8	953	14
Miller Hybrids	M00-75BGH EZ ↗	AA	100	158.4	13.9	1	31.6	950	15
Thunder	T6298 VT2P ↗	VT2P	98	157.5	13.4	1	30.5	945	16
Hefty	H5062 ↗	VT2P	100	156.4	13.9	2	30.8	938	17
Heine	7275TRE ↗	TRE	102	156.4	13.2	2	31.9	938	18
REA	5B994 ↗	VT2P	99	155.4	13.1	1	31.2	932	19
Thunder	T6398 TRE ↗	TRE	98	155.2	12.7	1	31.6	931	20
Hefty	H5055 ↗	TRE	100	154.6	13.7	1	31.6	928	21
REA	100T19 ↗	TRE	100	153.7	12.4	3	31.9	922	22
Dairyland	DS-4014Q ↗	QR	100	152.8	13.1	1	31.2	917	23
Innotech	IC5267-3120-EZ ↗	AA	102	151.8	12.6	1	31.9	911	24
Heine	7280 ↗	VT2P	102	151.0	13.8	2	31.6	905	25
Viking	46-02 ↗	CONV	102	150.3	13.0	2	29.8	902	26
Hefty	H4942 RIB ↗	VT2P	99	150.2	13.3	1	31.6	901	27
Wyffels	W2506RIB ↗	VT2P	101	149.7	13.1	1	31.9	898	28
Dairyland	DS-3900AM ↗	AM	99	147.9	13.5	4	30.8	887	29
REA	98A15 ↗	STX	98	145.0	13.3	2	29.8	870	30
Wyffels	W1996 ↗	VT2P	98	144.7	13.7	2	30.9	868	31
PIONEER	P0421AM CK	AM	104	179.4	13.5	1	31.9	1076	3
				Averages =	146.3	13.3	2	31.0	878
				LSD (0.10) =	25.2	0.5	ns		
				LSD (0.25) =	13.2	0.3	ns		
				C.V. =	18.9				
				Historic yield: new site					



Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.06 Prices: GMO = \$6.00

Report Date: 11/01/2022

† 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: MNS Seed Testing, LLC New Richland, MN

2022 Corn Grain Top 30 Harvest Report

South Dakota Southeast [SDSE] BURBANK, SD
Tom Hall, Union County, SD

Full-Season Test	103 - 108 Day CRM B2022SDSE11b
Top 30 of 59	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybeans / Sonic, Roundup, Volunteer, Flexstar
SOIL DESCRIPTION:	Wentworth-Worthy silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 7.1 pH, 3.4% OM, 19.5 CEC
PEST MANAGEMENT:	Liberty, Volunteer, Atrazine
FERTILITY - Applied N:	75 Sidedress, 20 Foliar Rescue, Kugler ks2075 applied foliar applied in August
Applied N-P-K (units):	95-0-0
SEEDED - RATE - ROW:	May 14 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 31 28.7 /A

TEST COMMENTS:

Subsoil moisture was low this spring after a dry growing season in 2021. There were some timely spring rains to allow this plot to get a good start but the continual drought all summer long affected the overall yield potential. This field had good soil fertility, so we were able to get corn yields of around 160 bu/ac. We did see a little bit of weed pressure as the corn was slow to canopy. At harvest, extremely dry grain moistures and some shelling at the head were present.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	G08D29-AA ↗	AA	108	209.7	14.2	2	27.6	1258	1
Wyffels	W4025 ↗	TRE	105	207.0	13.6	1	28.3	1242	2
REA	107B83 ↗	VT2P	107	205.7	14.2	1	28.7	1234	3
Latham	LH 5725 VT2P RIB ↗	VT2P	107	205.4	14.0	2	29.0	1232	4
Integra	5719 VT2PRIB ↗	VT2P	107	205.0	13.9	2	29.4	1230	5
REA	104P75 ↗	STXP	104	201.0	14.0	2	28.3	1206	6
Heine	7560 ↗	STX	105	199.6	14.0	3	28.3	1198	7
Wyffels	W5086RIB ↗	VT2P	107	197.8	14.5	2	29.8	1187	8
Hefty	H5832 ↗	VT2P	108	197.6	14.5	2	28.3	1186	9
Thunder	T6204 VT2P ↗	VT2P	104	197.0	13.8	3	28.7	1182	10
Dairyland	DS-4878AM ↗	AM	108	196.3	14.0	3	29.4	1177	11
Dyna-Gro	D48VC84 ↗	VT2P	108	194.9	14.4	3	29.0	1169	12
DeKalb	DKC58-64RIB GC ↗	STX	108	194.2	14.6	2	29.4	1165	13
Hefty	H5655 ↗	TRE	106	194.0	14.0	1	29.8	1163	14
Thunder	T6306 PC ↗	PC	106	193.8	14.1	7	29.5	1163	15
Hefty	H5862 ↗	VT2P	108	193.4	15.2	5	28.3	1158	16
Renk	RK774VT2P ↗	VT2P	108	192.8	14.2	3	27.9	1157	17
Miller Hybrids	M09-51PB ↗	CONV	108	191.2	14.5	4	28.7	1147	18
Latham	LH 5377 VT2P RIB ↗	VT2P	103	190.0	13.7	1	29.4	1140	19
Heine	7520STX ↗	STX	105	187.8	13.9	1	29.0	1127	21
Integra	5802 VT2PRIB ↗	VT2P	108	184.4	13.7	1	28.3	1106	22
Miller Hybrids	M03-47 ↗	CONV	103	184.0	14.0	1	29.4	1103	23
Latham	LH 5847 VT2P RIB ↗	VT2P	108	183.8	13.9	2	28.7	1103	24
Wyffels	W3576 ↗	VT2P	103	183.7	13.5	1	29.4	1102	25
Golden Harvest	G05K08-D ↗	D	105	183.5	14.2	3	28.3	1101	26
Renk	RK710DGVT2P ↗	VT2PDG	107	183.2	14.3	2	28.7	1099	27
NK Brand	NK0877-V ↗	V	108	182.2	14.5	2	27.6	1093	28
Integra	5529 VT2PRIB ↗	VT2P	105	181.8	13.8	2	29.4	1091	29
Viking	84-05 ↗	CONV	105	180.9	13.7	1	28.7	1085	30
Dyna-Gro	D43VC81RIB ↗	VT2P	103	180.0	13.9	2	28.0	1079	31
PIONEER	P0421AM CK	AM	104	188.3	13.8	1	28.3	1130	20
				Averages =	178.4	13.9	2	28.7	1070
				LSD (0.10) =	27.0	0.5	ns		
				LSD (0.25) =	14.2	0.3	ns		
				C.V. =	16.7				
				Historic yield: new site					



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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.06

Prices: GMO = \$6.00

Report Date: 11/01/2022

† 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

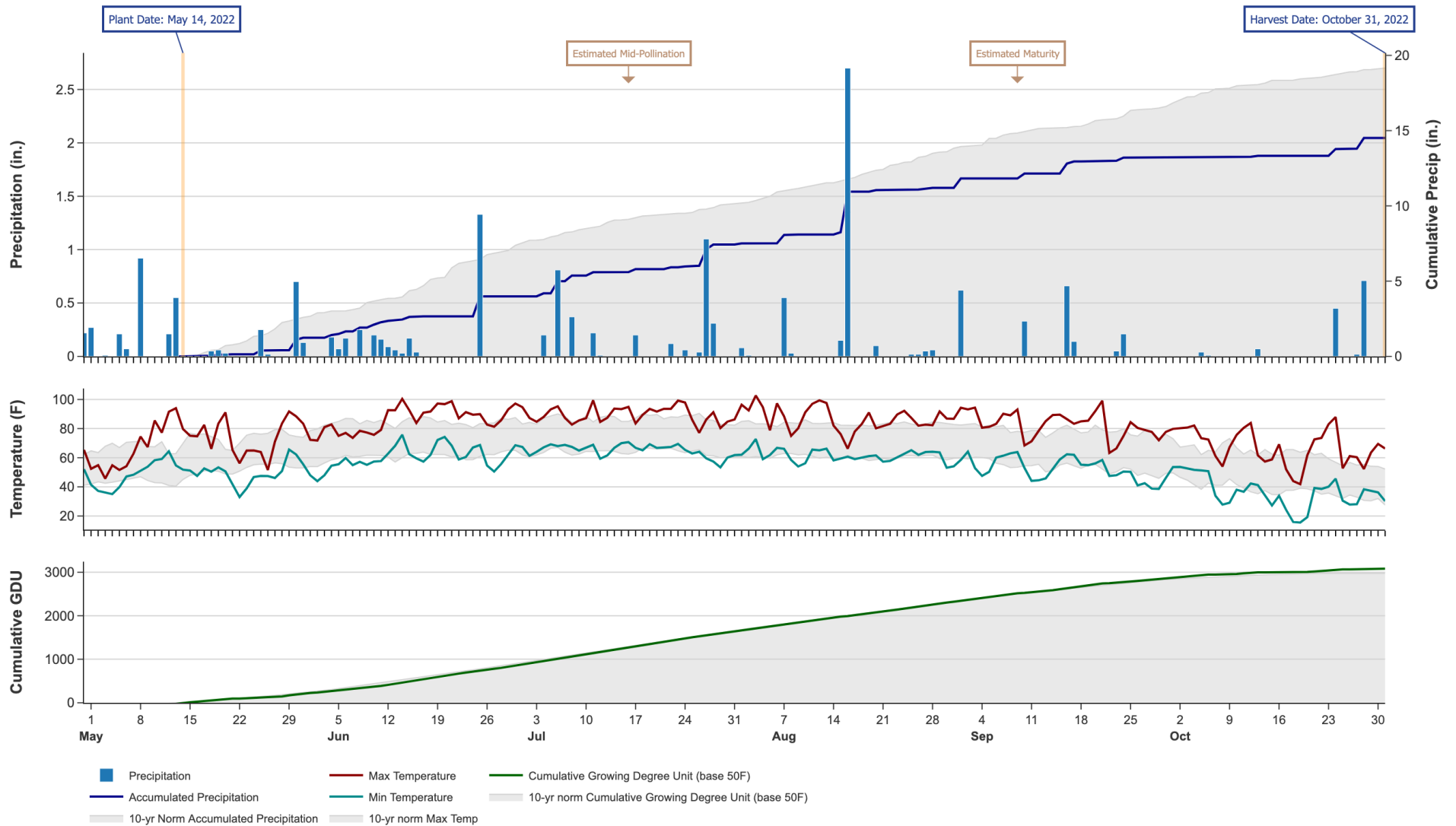
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2022 Corn - South Dakota Southeast [SDSE]

Weather Conditions Summary at BURBANK, SD

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.2 0.1 (+0.2)	3.5 4.4 (-1.0)	2.8 4.8 (-2.0)	3.4 2.8 (+0.7)	3.8 3.7 (+0.1)	2.0 2.8 (-0.8)	1.3 2.5 (-1.2)	17.0 21.1 (-4.1)
GDU Normal (Diff)	9 6 (+2)	348 353 (-5)	640 671 (-31)	780 758 (+21)	689 679 (+9)	531 493 (+37)	226 141 (+84)	3223 3104 (+118)



* 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.

2022 Corn - South Dakota Southeast [SDSE]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A2150-5222-EZ	DV	Y	100	CM,C2,Vi
Augusta	A22-250	AA	Y	100	AC,P5
Dairyland	DS-3900AM	AM	Y	99	Lum, L1
Dairyland	DS-3959Q	QR	Y	99	Lum, L1
Dairyland	DS-4014Q	QR	Y	100	Lum, L1
Dairyland	DS-4219AM	AM	Y	102	Lum, L1
DeKalb	DKC52-99RIB GC	TRE	Y	102	AC,P5V,EDC-EL
Dyna-Gro	D40VC41RIB	VT2P	N	100	AC,P5V
Enestvedt	E539DP RIB	VT2P	Y	102	AC,P2
Epley	E9910	CONV	N	99	Vi5
Golden Harvest	G00A97-AA	AA	Y	100	AVC,C2,Vi,Va
Golden Harvest	G02K39-AA	AA	Y	102	AVC,C2,Vi,Va
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Hefty	H5062	VT2P	N	100	HC
Hefty	H5132	VT2P	N	101	HC
Hefty	H5254	STX	N	102	HC
Heine	6650TRE	TRE	N	99	AC,P5V,EDC-EL
Heine	7010VT2PRIB	VT2P	Y	100	AC,P2
Heine	7175	VT2P	N	101	AC,P5
Heine	7275TRE	TRE	N	102	AC,P5V,EDC-EL
Heine	7280	VT2P	N	102	AC,P5V,EDC-EL
Innotech	IC5267-3120-EZ	AA	Y	102	AVC,C2,Vi
Integra	4993 TRERIB	TRE	N	99	AC,P5V
Integra	5052 VT2PRIB	VT2P	Y	100	AC,P5V,SU+Zn
Integra	5280 VT2PRIB	VT2P	Y	102	AC,P5V,SU+Zn
Latham	LH 5047 VT2P RIB	VT2P	Y	100	AC,P2
Latham	LH 5159 SS RIB	STX	Y	101	AC,P5V,Va
Latham	LH 5209 DV	DV	Y	102	AVC,C2,Vi,Va
Latham	LH 5245 VT2P RIB	VT2P	Y	102	AC,P2
Miller Hybrids	M00-75BGH EZ	AA	Y	100	MSC
NK Brand	NK0007-AA	AA	Y	100	AVC,C2,Vi,Va
NK Brand	NK9874-V	V	Y	98	AVC,C2,Vi,Va
NK Brand	NK9922-DV	DV	Y	99	AVC,C2,Vi,Va
Pioneer	P0421AM CK	AM	Y	104	Lum
REA	100T19	TRE	Y	100	AC,P5V,EDC-B
REA	101B51	VT2P	Y	101	AC,P5V,EDC-B
REA	5B994	VT2P	Y	99	AC,P5V,EDC-B
REA	98A15	STX	Y	98	AC,P5V,EDC-B
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P2
Renk	RK597SSPRO	STXP	N	99	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK600VT2P	VT2P	N	100	AC,P2
Renk	RK615SSTX	STX	Y	102	AC,P5V
Rob-See-Co	RC4817-CONV	CONV	N	98	CM,C2,Vi
Rob-See-Co	RC4838-3010	3010	N	98	AC,P2
Rob-See-Co	RC4881-5122	D	Y	98	AVC,C2,Vi
Rob-See-Co	RC4983-5222	DV	Y	99	AVC,C2,Vi,Va
Thunder	T6298 VT2P	VT2P	Y	98	AC,P2
Thunder	T6300 VT2P	VT2P	Y	100	AC,P5V,EDC-B
Thunder	T6398 TRE	TRE	Y	98	AC,P2
Thunder	T6902 VT2P	VT2P	Y	102	AVC,C2,Vi
Thunder	T6999 VT2P	VT2P	Y	99	AC,P2
Viking	46-02	CONV	N	102	CM,C2,Sb
Viking	52-00	CONV	N	100	CM,C2,Sb
Wyffels	W1758	STX	N	97	Treated
Wyffels	W1996	VT2P	N	98	Treated
Wyffels	W2236RIB	VT2P	Y	99	AC,P2
Wyffels	W2506RIB	VT2P	Y	101	AC,P2
Wyffels	W2656	VT2P	N	101	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.

2022 Corn - South Dakota Southeast [SDSE]

Full-Season Test Products (59 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Dairyland	DS-4567Q	QR	Y	105	Lum, L1
Dairyland	DS-4878AM	AM	Y	108	Lum, L1
DeKaib	DKC50-87RIB GC	STX	Y	100	AC,P5V,EDC-EL
DeKaib	DKC55-53RIB GC	STX	Y	105	AC,P5V,EDC-EL
DeKalb	DKC57-71RIB GC	STX	Y	107	AC,P5V,EDC-EL
DeKalb	DKC58-64RIB GC	STX	Y	108	AC,P5V,EDC-EL
Dyna-Gro	D43VC81RIB	VT2P	N	103	AC,P5V
Dyna-Gro	D44DC73RIB	VT2PDG	Y	104	AC,P5V
Dyna-Gro	D48VC84	VT2P	N	108	AC,P5V
Golden Harvest	G05K08-D	D	Y	105	AVC,C2,Vi,Va
Golden Harvest	G08D29-AA	AA	Y	108	AVC,C2,CM,C5,Vi,Va
Hefty	H5442	VT2P	N	104	HC
Hefty	H5655	TRE	N	106	HC
Hefty	H5666	PC,E	N	106	HC
Hefty	H5832	VT2P	N	108	HC
Hefty	H5862	VT2P	N	108	HC
Heine	7520STX	STX	N	105	AC,P5V,EDC-EL
Heine	7560	STX	N	105	AC,P5V,EDC-EL
Heine	7570STXRIB	STX	Y*	105	P5V
Heine	7580	TRE	N	105	AC,P5V,EDC-EL
Heine	7660	STX	N	106	AC,P5
Innotech	IC5723-5122	D	Y	107	AVC,C2,Vi,Va
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V
Integra	5529 VT2PRIB	VT2P	Y	105	AC,P5V,SU+Zn
Integra	5719 VT2PRIB	VT2P	Y	107	AC,P5V,SU+Zn
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Latham	LH 5377 VT2P RIB	VT2P	Y	103	AC,P2
Latham	LH 5487 VT2P RIB	VT2P	Y*	104	AC,P2
Latham	LH 5646 PCE	PC,E	N	106	AVC,C2,Vi,Va
Latham	LH 5725 VT2P RIB	VT2P	Y	107	AC,P2
Latham	LH 5847 VT2P RIB	VT2P	Y	108	AC,P2
Miller Hybrids	M03-47	CONV	N	103	MSC
Miller Hybrids	M05-72	CONV	N	105	MSC
Miller Hybrids	M09-51PB	CONV	N	108	MSC
NK Brand	NK0877-V	V	Y	108	AVC,C2,CM,C5,Vi,Va
Pioneer	P0421AM CK	AM	Y	104	Lum
REA	103B55	VT2P	Y	103	AC,P5V,EDC-B
REA	104P75	STXP	Y	104	AC,P5V,EDC-B
REA	106P79	STXP	Y	106	AC,P5V,EDC-B
REA	107B83	VT2P	Y	107	AC,P5V,EDC-B
REA	6D054	VT2PDG	Y	105	AC,P5V,EDC-B
Renk	RK625DGVT2P	VT2PDG	N	104	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK700SSTX	STX	N	108	AC,P5V
Renk	RK710DGVT2P	VT2PDG	Y	107	AC,P2
Renk	RK715SSTX	STX	Y	105	AC,P5V
Renk	RK774VT2P	VT2P	N	108	AC,P2
Rob-See-Co	RC5323-3110	3110	N	103	CM,C2,Vi
Rob-See-Co	RC5465-GT	GT	N	104	CM,C2,Vi
Rob-See-Co	RC5510-3220	V	Y	105	AVC,C2,Vi
Thunder	T6204 VT2P	VT2P	Y	104	AC,P2
Thunder	T6306 PC	PC	Y	106	AC,P2
Thunder	THX22-08	VT2P	Y	108	AC,P2
Viking	48-08	CONV	N	108	CM,C2,Sb
Viking	72-06	CONV	N	106	CM,C2,Sb
Viking	84-05	CONV	N	105	CM,C2,Sb
Wyffels	W3576	VT2P	N	103	AC,P2
Wyffels	W4025	TRE	N	105	AC,P2
Wyffels	W4246RIB	VT2P	Y	105	AC,P2
Wyffels	W5086RIB	VT2P	Y	107	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

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.
CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.

Corn Technologies

3010	Agrisure® 3010 (GT,CB,LL), formerly GT/CB/LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
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
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
GT	Agrisure® GT
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
STXP	SmartStax® Pro
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	VT Double PRO® DroughtGard®

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-B	Acceleron® BASIC Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AVC,C2,CM,C5,Vi,Va	Avicta® Complete 250, CruiserMaxx 500, Vibrance®, Vayantis®
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2,Sb	CruiserMaxx® 250, SabrEx Innoculant
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	(2022) LumiGEN, Lumisure 1250
MSC	Miller Hybrids ShieldCoat™ with Vertex
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified
Vi5	Vibrance® Cinco

* Seed treatments may include unspecified plant health promoting components.