

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

2023 Corn Grain Top 30 Harvest Report

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

Early-Season Test 98 - 102 Day CRM
B2023SDSE08a

Top 30 of 56 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybeans / Sonic, Liberty, Roundup

SOIL DESCRIPTION: Blencoe silty clay, moderately drained, irrigated

SOIL CONDITION: Strip-Till, very high P, very high K, 5.9 pH, 4.1% OM, 28.3 CEC

PEST MANAGEMENT: Acuron (2x)

FERTILITY - Applied N: 180 Sidedress, 10 sulfur

Applied N-P-K (units): 180-80-60

SEEDED - RATE - ROW: May 3 32.5 /A 30" spacing

HARVESTED - STAND: Nov 7 31.2 /A

TEST COMMENTS:

This was a new site and with so much drought in the area we were pleased to have irrigation available here. We had even stands, and early season vigor was strong. We did stand counts the last week of June and corn was chest high and the irrigation system had not been used yet. Stalk heights at harvest were 10 feet on those plants with tassels still on. Some minor stalk lodging and low corn moistures made butt shelling at the head common at harvest. They irrigated sometimes late in the growing season as this area caught more rains than most other South Dakota plot sites. Really nice yields here.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	101P51 ↗	STXP	101	262.7	14.0	1	30.9	1182	1
Rob-See-Co	D98-43-TRE ↗	TRE	98	257.6	13.7	2	31.2	1159	2
Renk	RK628VT2P ↗	VT2P	102	257.2	14.0	1	30.9	1157	3
REA	98T64 ↗	TRE	98	255.9	14.1	1	30.9	1151	5
Wyffels	W2595 ↗	TRE	101	255.8	13.7	3	30.9	1151	6
Wyffels	W1996RIB ↗	VT2P	98	253.7	13.6	1	31.5	1142	7
Hefty	H5254 ↗	STX	102	252.8	14.2	1	31.5	1138	8
Dairyland	DS-4003Q ↗	QR	100	252.7	14.3	1	31.9	1137	9
Wyffels	W1988 ↗	STX	98	252.2	14.1	1	31.5	1135	10
Renk	RK590VT2P ↗	VT2P	98	251.6	14.0	1	31.5	1132	11
Dairyland	DS-3881AM ↗	AM	98	250.8	14.2	1	30.9	1129	12
Jacobsen	JS0223VT2P ↗	VT2P	102	250.8	14.0	1	30.9	1129	13
Renk	RK600VT2P ↗	VT2P	100	250.4	14.1	3	31.2	1127	14
Thunder	T6498 PC ↗	PCE	98	250.3	13.8	1	31.9	1126	15
Dairyland	DS-4219AM ↗	AM	102	249.6	14.0	2	30.9	1123	16
Hefty	H4964 ↗	STXP	99	249.5	13.9	2	31.2	1123	17
Wyffels	W2629 ↗	STXP	101	248.9	14.0	1	31.5	1120	18
Heine	7450 ↗	VT2P	104	248.9	13.8	3	31.5	1120	19
Viking Blue River	44-98 ↗	CONV	98	247.9	14.0	3	31.2	1116	20
Heine	7360 ↗	TRE	102	247.9	14.1	3	31.5	1116	21
Rob-See-Co	RC5188-SSP ↗	STXP	101	247.0	14.1	1	31.2	1111	22
Thunder	T6902 VT2P ↗	VT2P	102	246.1	13.9	1	31.2	1107	23
Thunder	T6999 VT2P ↗	VT2P	99	245.9	14.1	1	31.2	1106	24
Golden Harvest	G01B63-AA ↗	AA	101	245.2	14.2	2	30.5	1103	25
Viking Blue River	24-01 ↗	CONV	101	244.6	14.1	5	30.9	1101	26
Renk	RK582SSTX ↗	STX	98	244.4	13.9	3	31.2	1099	27
Dairyland	DS-3900AM ↗	AM	99	243.9	14.3	2	30.9	1098	28
Rob-See-Co	D01-90-VT2P ↗	VT2P	101	243.9	14.2	1	31.9	1098	29
Enestvedt	E539DP RIB ↗	VT2P	102	243.8	13.9	1	31.9	1097	30
Augusta	A3052-DV ↗	DV	102	242.9	14.5	1	31.5	1093	31
DEKALB	DKC52-18RIB CK	STX	102	256.1	14.1	1	31.5	1152	4

Averages = **243.4** **14.0** **2** **31.2** **1095**

LSD (0.10) = 9.3 0.2 1

LSD (0.25) = 4.9 0.1 1

C.V. = 4.2

Mark Tollefson

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

Historic yield: new site

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.0 Drying = \$0.06 Prices: GMO = \$4.50

Report Date: 11/08/2023

† 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

©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

Additional reports available at www.firstseedtests.com

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

2023 Corn Grain Top 30 Harvest Report

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

Full-Season Test 103 - 108 Day CRM
B2023SDSE08b

Top 30 of 54 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybeans / Sonic, Liberty,
Roundup

SOIL DESCRIPTION: Blencoe silty clay, moderately
drained, irrigated

SOIL CONDITION: Strip-Till, very high P, very high
K, 5.9 pH, 4.1% OM, 28.3 CEC

PEST MANAGEMENT: Acuron (2x)

FERTILITY - Applied N: 180 Sidedress, 10 sulfur

Applied N-P-K (units): 180-80-60

SEEDED - RATE - ROW: May 3 32.5 /A 30" spacing

HARVESTED - STAND: Nov 7 31.5 /A

TEST COMMENTS:

This was a new site and with so much drought in the area we were pleased to have irrigation available here. We had even stands, and early season vigor was strong. We did stand counts the last week of June and corn was chest high and the irrigation system had not been used yet. Stalk heights at harvest were 10 feet on those plants with tassels still on. Some minor stalk lodging and low corn moistures made butt shelling at the head common at harvest. They irrigated sometimes late in the growing season as this area caught more rains than most other South Dakota plot sites. Really nice yields here.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DS-4686AM ↗	AM	106	274.4	14.3	1	30.9	1235	1
Wyffels	W5406 ↗	VT2P	108	272.1	14.9	1	31.5	1224	2
Wyffels	W3309 ↗	STXP	103	271.4	14.1	1	31.9	1221	3
Dairyland	DS-4833AM ↗	AM	108	268.9	14.3	1	31.9	1210	4
DeKalb	DKC107-33RIB GC ↗	STXP	107	268.5	14.2	1	31.2	1208	5
Hefty	H5862 ↗	VT2P	108	265.0	14.4	3	30.9	1192	6
Golden Harvest	G08R52-V ↗	V	108	260.5	14.7	2	31.9	1172	7
Wyffels	W3576RIB ↗	VT2P	103	259.8	16.6	1	31.5	1144	19
REA	103A77 ↗	STX	103	259.5	14.6	1	31.2	1168	8
DeKalb	DKC56-65RIB GC ↗	STX	106	259.0	14.2	1	31.5	1166	9
Viking Blue River	84-05 ↗	CONV	105	258.8	14.1	1	31.5	1165	10
Viking Blue River	72-06 ↗	CONV	106	258.6	14.1	3	31.5	1164	11
Miller Hybrids	M07-97 ↗	CONV	107	258.3	14.5	1	31.5	1162	12
Rob-See-Co	RC5836-VT2P ↗	VT2P	108	258.1	14.6	2	31.2	1161	13
Rob-See-Co	RC5694-VT2P ↗	VT2P	106	256.5	14.5	1	31.5	1154	14
Heine	795 ↗	VT2P	107	256.0	14.5	2	31.5	1152	15
Renk	RK720TRE ↗	TRE	106	255.4	14.0	1	31.5	1149	16
REA	107B83 ↗	VT2P	107	255.2	14.4	2	31.2	1148	17
Dairyland	DS-4567Q ↗	QR	105	255.1	14.6	3	31.2	1148	18
Heine	7410 ↗	PCE	104	254.2	14.4	1	31.5	1144	20
Hefty	H5674 ↗	STXP	106	254.1	14.3	1	31.5	1143	21
Wyffels	W5019 ↗	STXP	107	254.0	14.4	2	31.2	1143	22
REA	104P75 ↗	STXP	104	253.9	14.1	1	31.2	1143	23
Renk	RK707TRE ↗	TRE	105	253.7	13.9	2	31.9	1142	24
REA	105B51 ↗	VT2P	105	253.6	13.9	2	31.9	1141	25
REA	103B55 ↗	VT2P	103	253.3	14.3	2	31.5	1140	26
Heine	7650VT2PRO ↗	VT2P	106	252.0	14.6	3	30.9	1134	27
Hefty	H5432 ↗	VT2P	104	251.9	14.1	2	31.2	1134	28
Hefty	H5655 ↗	TRE	106	251.6	13.9	2	31.5	1132	29
Renk	RK625DGV2P ↗	VT2PDG	104	251.6	13.9	3	30.9	1132	30
DEKALB	DKC52-18RIB CK	STX	102	246.8	14.3	1	31.2	1111	39

Averages = **252.0** **14.3** **2** **31.5** **1133**

LSD (0.10) = 11.0 ns 2

LSD (0.25) = 5.8 ns 1



Mark Tollefson

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

C.V. = 4.8

Historic yield: new site

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.0 Drying = \$0.06 Prices: GMO = \$4.50

Report Date: 11/08/2023

† 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

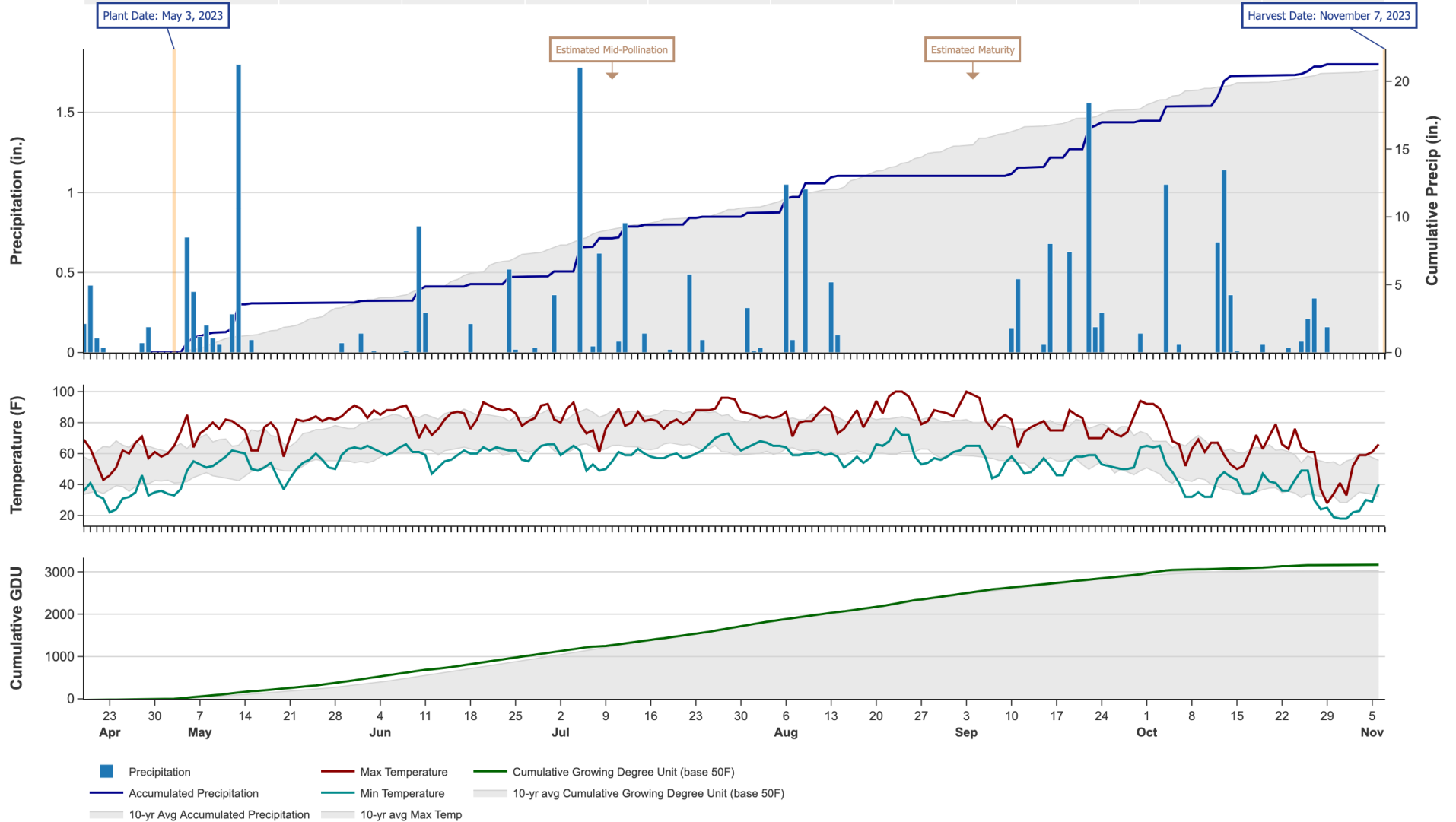
©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

Additional reports available at www.firstseedtests.com

2023 Corn - South Dakota Southeast [SDSE]

Weather Conditions Summary at JEFFERSON, SD

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	0.9 1.1 (-0.1)	3.7 4.3 (-0.6)	1.9 4.0 (-2.0)	4.7 3.1 (+1.6)	2.7 4.4 (-1.6)	4.1 2.9 (+1.1)	4.2 2.7 (+1.5)	0.0 0.2 (-0.2)	22.2 22.6 (-0.4)
GDU Avg (Diff)	35 54 (-19)	438 339 (+98)	654 674 (-20)	652 746 (-94)	687 675 (+11)	512 490 (+21)	216 120 (+95)	8 0 (+8)	3202 3101 (+100)



* 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 Southeast [SDSE]

Early-Season Test Products (56 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A3052-DV	DV	Y*	102	CM,C2
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
Dairyland	DS-4219AM	AM	Y	102	Lum, L1
DeKalb	DKC50-87RIB GC	STX	Y	100	AC,P5V,EDC-EL
DeKalb	DKC52-18RIB CK	STX	Y	102	AC,P5V,EDC-EL
DenBesten	DB32-02	CONV	N	102	CM,C2,Vi
DenBesten	DB33-99	CONV	N	99	CM,C2,Vi
DenBesten	DB34-92	CONV	N	92	CM,C2,Vi
Enestvedt	E539DP RIB	VT2P	Y	102	AC,P2
Epley	E9910	CONV	N	99	Vi5
Golden Harvest	G00A97-AA	AA	Y	100	CM,C5,Va
Golden Harvest	G01B63-AA	AA	Y	101	CM,C5,Va
Hefty	H4933 RIB	VT2PDG	Y	99	HC
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H4964	STXP	Y	99	HC
Hefty	H5062	VT2P	N	100	HC
Hefty	H5254	STX	N	102	HC
Heine	6900	PCE	Y	99	Treated
Heine	7224	VT2P	Y	101	Treated
Heine	7360	TRE	Y	102	Treated
Heine	7450	VT2P	Y	104	Treated
Heine	7480	VT2PDG	Y	102	Treated
Jacobsen	JS0223VT2P	VT2P	Y	102	Treated
Jacobsen	JS5206DGV2P	VT2PDG	Y	102	Treated
Miller Hybrids	M00-75BGH EZ	AA	Y	100	MSC
Miller Hybrids	M98-70	CONV	N	98	MSC
Pioneer	P0404AM GC	AM	Y	104	Lum
REA	101P51	STXP	Y	101	AC,P5V,EDC-B
REA	98A15	STX	Y	98	AC,P5V,EDC-B
REA	98T64	TRE	Y	98	AC,P5V,EDC-B
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK582SSTX	STX	N	98	AC,P5V
Renk	RK590VT2P	VT2P	N	98	AC,P2
Renk	RK600VT2P	VT2P	N	100	AC,P2
Renk	RK628VT2P	VT2P	N	102	AC,P5V,B300
Rob-See-Co	D01-90-VT2P	VT2P	Y	101	CM,C2,Vi,Va
Rob-See-Co	D98-43-TRE	TRE	Y	98	CM,C2,Vi,Va
Rob-See-Co	RC4937-SSP	STXP	Y	99	P5V
Rob-See-Co	RC5062-AA	AA	Y	100	CM,C2,Vi,Va

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	RC5188-SSP	STXP	Y	101	AC,P5V,EDC-EL
Thunder	T6300 VT2P	VT2P	Y	100	AC,P2
Thunder	T6301 AA	AA	Y	101	CM,C2,Vi,Va
Thunder	T6498 PC	PCE	N	98	CM,C2,Vi,Va
Thunder	T6902 VT2P	VT2P	Y	102	AC,P2
Thunder	T6999 VT2P	VT2P	Y	99	AC,P2
Viking Blue River	24-01	CONV	N	101	AC,P2
Viking Blue River	44-98	CONV	N	98	CM,C2,Sb
Viking Blue River	46-02	CONV	N	102	CM,C2,Sb
Wyffels	W1826	VT2P	N	97	AC,P5
Wyffels	W1988	STX	N	98	AC,P5
Wyffels	W1996RIB	VT2P	Y*	98	CM,C2,Vi,Va
Wyffels	W2595	TRE	N	101	AC,P5
Wyffels	W2629	STXP	N	101	AC,P5

* 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 Southeast [SDSE]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Blue River	49M23	CONV	U	103	Treated
Dairyland	DS-4567Q	QR	Y	105	Lum, L1
Dairyland	DS-4686AM	AM	Y	106	Lum
Dairyland	DS-4833AM	AM	Y	108	Lum, L1
DeKalb	DKC107-33RIB GC	STXP	Y	107	AC,P5V,EDC-EL
DeKalb	DKC52-18RIB CK	STX	Y	102	AC,P5V,EDC-EL
DeKalb	DKC56-65RIB GC	STX	Y	106	AC,P5V,EDC-EL
DenBesten	DB32-07	CONV	N	107	CM,C2,Vi
DenBesten	DB33-05	CONV	N	105	CM,C2,Vi
DenBesten	DB33-08	CONV	N	108	CM,C2,Vi
DenBesten	DB34-06	CONV	N	106	CM,C2,Vi
Enestvedt	E541	CONV	N	106	CM,C2,Vi
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Golden Harvest	G08R52-V	V	Y	108	CM,C5,Va
Hefty	H5432	VT2P	N	104	HC
Hefty	H5442	VT2P	N	104	HC
Hefty	H5655	TRE	N	106	HC
Hefty	H5674	STXP	Y	106	HC
Hefty	H5862	VT2P	N	108	HC
Heine	7410	PCE	Y	104	Treated
Heine	7650VT2PRO	VT2P	N	106	Treated
Heine	7740	PCE	Y	107	Treated
Heine	7800	PCE	Y	108	Treated
Heine	795	VT2P	Y	107	Treated
Jacobsen	JS0513TRE	TRE	Y	107	Treated
Jacobsen	JS7420VT2PRO	VT2P	Y	107	Treated
Miller Hybrids	M07-97	CONV	N	107	MSC
Miller Hybrids	MPB09-51	CONV	N	108	MSC
Miller Hybrids	RX03-47	CONV	N	103	MSC
Pioneer	P0404AM GC	AM	Y	104	Lum
REA	103A77	STX	Y	103	AC,P5V
REA	103B55	VT2P	Y	103	AC,P5V,EDC-B
REA	104P75	STXP	Y	104	AC,P5V,EDC-B
REA	105B51	VT2P	Y	105	AC,P5V,EDC-B
REA	107B83	VT2P	Y	107	AC,P5V,EDC-B
Renk	RK625DGV2P	VT2PDG	N	104	AC,P2
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK707TRE	TRE	N	105	AC,P5V,B300
Renk	RK720TRE	TRE	N	106	AC,P2
Rob-See-Co	D03-07-VT2P	VT2P	Y	103	AC,P2V
Rob-See-Co	RC5422-PCE	PCE	N	104	CM,C2,Vi,Va
Rob-See-Co	RC5448-VT2P	VT2P	Y	104	AC,P2V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	RC5694-VT2P	VT2P	Y	106	AC,P2
Rob-See-Co	RC5836-VT2P	VT2P	Y	108	CM,C2,Vi,Va
Thunder	T6204 VT2P	VT2P	Y	104	AC,P2
Thunder	T6306 PC	PCE	Y	106	CM,C2,Vi,Va
Thunder	T6405 TRE	TRE	Y	105	AC,P2
Viking Blue River	72-06	CONV	N	106	CM,C2,Sb
Viking Blue River	84-05	CONV	N	105	CM,C2,Sb
Wyffels	W3309	STXP	N	103	AC,P5
Wyffels	W3576RIB	VT2P	Y*	103	CM,C2,Vi,Va
Wyffels	W4025RIB	TRE	Y*	105	CM,C2,Vi,Va
Wyffels	W5019	STXP	N	107	AC,P5
Wyffels	W5406	VT2P	N	108	AC,P5

* 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
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
PCE	PowerCore® Enlist®
QR	Qrome®
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
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Innoculant
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
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
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.