

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

2022 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] CLEAR LAKE, SD
Greg Lanners, Deuel County, SD 57226

Early-Season Test	91 - 95 Day CRM B2022SDNE06a
Top 30 of 53	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / 2,4-D, Lv6
SOIL DESCRIPTION:	Vienna-Brookings silty clay, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, medium K, 6.5 pH, 6.2% OM, 27.1 CEC
PEST MANAGEMENT:	Force, Resicore, Roundup
FERTILITY - Applied N:	175 Spring, 24 sulfur-zinc
Applied N-P-K (units):	175-50-50
SEEDED - RATE - ROW:	May 16 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 29 31.4 /A

TEST COMMENTS:

This was a great looking plot all year. There were good harvest conditions with good stands and stalk health with practically no lodging. A foliar fertilizer was used in June that gave the plot a boost of nitrogen. There were really nice yields in both tests with the early test averaging better than the full-season hybrids. Some slight moisture variation was noticed in the plots on the side of the field drying down more. A frost in September turned some of the greenest corn brown and may have contributed to a yield difference between tests.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Jacobsen	JS7045VT2PR ↗	VT2P	95	253.5	16.3	1	30.5	1502	1
Jacobsen	JS5044DGV2PR ↗	VT2PDG	95	245.7	16.1	1	31.4	1458	2
Heine	6200 ↗	VT2P	95	245.5	16.2	1	31.4	1455	4
Rob-See-Co	RC4213-3120 ↗	AA	92	245.1	16.0	1	31.0	1456	3
Heine	6215VT2PRO ↗	VT2P	95	242.4	17.3	1	31.9	1421	8
Heine	6450VT2PRO ↗	VT2P	95	241.6	16.5	1	31.0	1428	7
Thunder	T6992 VT2P ↗	VT2P	92	241.1	15.5	1	31.4	1439	5
Dairyland	DS-3550AM ↗	AM	95	240.4	15.5	1	31.4	1436	6
Hefty	H4564 ↗	STX	95	238.7	17.4	1	31.4	1398	14
Latham	LH 4527 VT2P RIB ↗	VT2P	95	238.6	16.7	1	31.4	1408	10
Proseed	2392 VT2PRIB ↗	VT2P	92	237.9	16.1	1	31.9	1412	9
Renk	RK502SSTX ↗	STX	95	236.4	16.8	1	31.0	1392	17
Heine	6122 ↗	VT2P	94	236.3	16.4	1	31.0	1397	15
Augusta	A1943-3120 ↗	AA	93	236.1	17.2	1	31.4	1385	19
Hefty	H4522 ↗	VT2P	95	235.9	16.6	1	31.0	1393	16
NK Brand	NK9175-DV ↗	DV	91	235.6	16.0	1	30.5	1399	12
REA	4B944 ↗	VT2P	94	235.4	16.0	1	31.4	1399	13
Thunder	T6294 VT2P ↗	VT2P	94	235.2	16.8	1	31.0	1386	18
Golden Harvest	G91V51-DV ↗	DV	91	235.1	16.8	1	31.0	1385	20
Thunder	THX22-95 ↗	VT2P	95	234.8	16.7	1	31.4	1385	21
Thunder	T6595 VT2P ↗	VT2P	95	234.7	16.8	1	30.5	1383	22
REA	92B10 ↗	VT2P	92	233.9	15.1	1	31.4	1402	11
Heine	6330DGV2PRIB ↗	VT2PDG	95	233.7	16.7	1	31.9	1379	23
Rob-See-Co	RC4535-3110 ↗	3110	95	233.3	16.5	1	31.4	1378	24
Augusta	A1946-3120 ↗	AA	95	232.4	17.0	1	31.9	1366	29
Jacobsen	JS7095VT2PR ↗	VT2P	95	231.5	16.6	1	31.9	1367	28
Dyna-Gro	D33QZ83 ↗	V	93	231.0	16.6	1	31.0	1364	30
Dairyland	DS-3477AM ↗	AM	94	230.7	16.1	1	31.9	1369	25
Dyna-Gro	D32SS92RIB ↗	STX	92	229.3	15.5	1	31.0	1369	26
Hefty	H4262 RIB ↗	VT2P	92	229.2	15.5	1	31.9	1368	27
DEKALB	DKC50-87RIB CK	STX	100	216.3	17.1	1	31.4	1270	48
				Averages =	229.0	16.3	1	31.4	1357
				LSD (0.10) =	12.6	0.5	ns		
				LSD (0.25) =	6.6	0.3	ns		
				C.V. =	5.2				
				Historic yield: 189.12 bu/a, 16 yr(s)					

Mark Tollefson

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.06 Prices: GMO = \$6.00

Report Date: 10/31/2022

† 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 Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] CLEAR LAKE, SD
Greg Lanners, Deuel County, SD 57226

Full-Season Test	96 - 100 Day CRM B2022SDNE06b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / 2,4-D, Lv6
SOIL DESCRIPTION:	Vienna-Brookings silty clay, well drained, non-irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, medium K, 6.5 pH, 6.2% OM, 27.1 CEC
PEST MANAGEMENT:	Force, Resicore, Roundup
FERTILITY - Applied N:	175 Spring, 24 sulfur-zinc
Applied N-P-K (units):	175-50-50
SEEDED - RATE - ROW:	May 16 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 29 31.3 /A

TEST COMMENTS:

This was a great looking plot all year. There were good harvest conditions with good stands and stalk health with practically no lodging. A foliar fertilizer was used in June that gave the plot a boost of nitrogen. There were really nice yields in both tests with the early test averaging better than the full-season hybrids. Some slight moisture variation was noticed in the plots on the side of the field drying down more. A frost in September turned some of the greenest corn brown and may have contributed to a yield difference between tests.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	98A15 ↗	STX	98	235.1	16.8	1	31.4	1385	2
Golden Harvest	G99A37-DV ↗	DV	99	234.5	17.1	1	31.0	1377	3
Dairyland	DS-3727AM ↗	AM	97	234.4	16.1	1	30.5	1391	1
Dairyland	DS-3900AM ↗	AM	99	233.3	17.4	1	31.4	1367	4
NK Brand	NK0007-AA ↗	AA	100	232.3	17.9	1	31.4	1353	9
Augusta	A2148-3220-EZ ↗	V	98	231.6	17.0	1	31.0	1361	5
Dyna-Gro	D40VC41RIB ↗	VT2P	100	231.2	16.9	1	31.4	1361	6
Hefty	H5062 ↗	VT2P	100	230.6	16.9	1	31.0	1358	8
Heine	6510 ↗	STX	98	230.6	17.3	1	31.9	1352	10
Enestvedt	E658DP RIB ↗	VT2P	96	229.6	16.3	1	31.0	1360	7
Jacobsen	JS7046VT2PR ↗	VT2P	98	228.3	16.7	1	31.4	1347	11
Golden Harvest	G00A97-AA ↗	AA	100	227.2	17.7	1	31.4	1326	14
REA	100T19 ↗	TRE	100	227.1	16.8	1	31.0	1339	12
Dyna-Gro	D36VC66RIB ↗	VT2P	97	225.5	16.3	1	31.9	1336	13
NK Brand	NK9874-V ↗	V	98	224.4	17.7	1	30.5	1310	24
Latham	LH 4937 VT2P RIB ↗	VT2P	99	224.1	16.4	1	31.4	1326	15
Renk	RK579DGVT2P ↗	VT2PDG	99	224.0	16.6	1	31.4	1322	18
Proseed	2196 VT2PRIB ↗	VT2P	96	223.7	16.4	1	31.0	1324	16
Renk	RK590VT2P ↗	VT2P	98	223.5	16.3	1	31.0	1324	17
Dairyland	DS-3601AM ↗	AM	96	222.8	16.5	1	31.4	1317	20
Thunder	T6398 TRE ↗	TRE	98	222.8	16.6	1	31.4	1315	21
Rob-See-Co	RC4767-3220 ↗	V	97	222.6	17.3	1	31.4	1305	30
Hefty	H4653 RIB ↗	VT2PDG	96	222.5	16.3	1	31.4	1318	19
REA	96A49 ↗	STX	96	222.5	16.8	1	31.0	1311	23
Heine	6600VT2PRO ↗	VT2P	99	222.1	16.9	1	31.4	1307	26
Heine	6575VT2PRIB ↗	VT2P	99	221.8	16.8	1	31.0	1306	29
Thunder	T8396 SS ↗	STX	96	221.6	16.7	1	31.4	1307	27
Latham	LH 5047 VT2P RIB ↗	VT2P	100	221.6	16.7	1	31.9	1307	28
Thunder	T6999 VT2P ↗	VT2P	99	221.5	16.4	1	31.4	1310	25
Renk	RK561DGVT2P ↗	VT2PDG	95	219.7	15.4	1	31.0	1312	22
DEKALB	DKC50-87RIB CK	STX	100	197.1	16.9	1	31.4	1160	54
				Averages =	221.1	16.7	1	31.3	1304
				LSD (0.10) =	11.0	0.5	ns		
				LSD (0.25) =	5.8	0.2	ns		
				C.V. =	4.7				
				Historic yield: 189.12 bu/a, 16 yr(s)					

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.06 Prices: GMO = \$6.00

Report Date: 10/31/2022

† 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

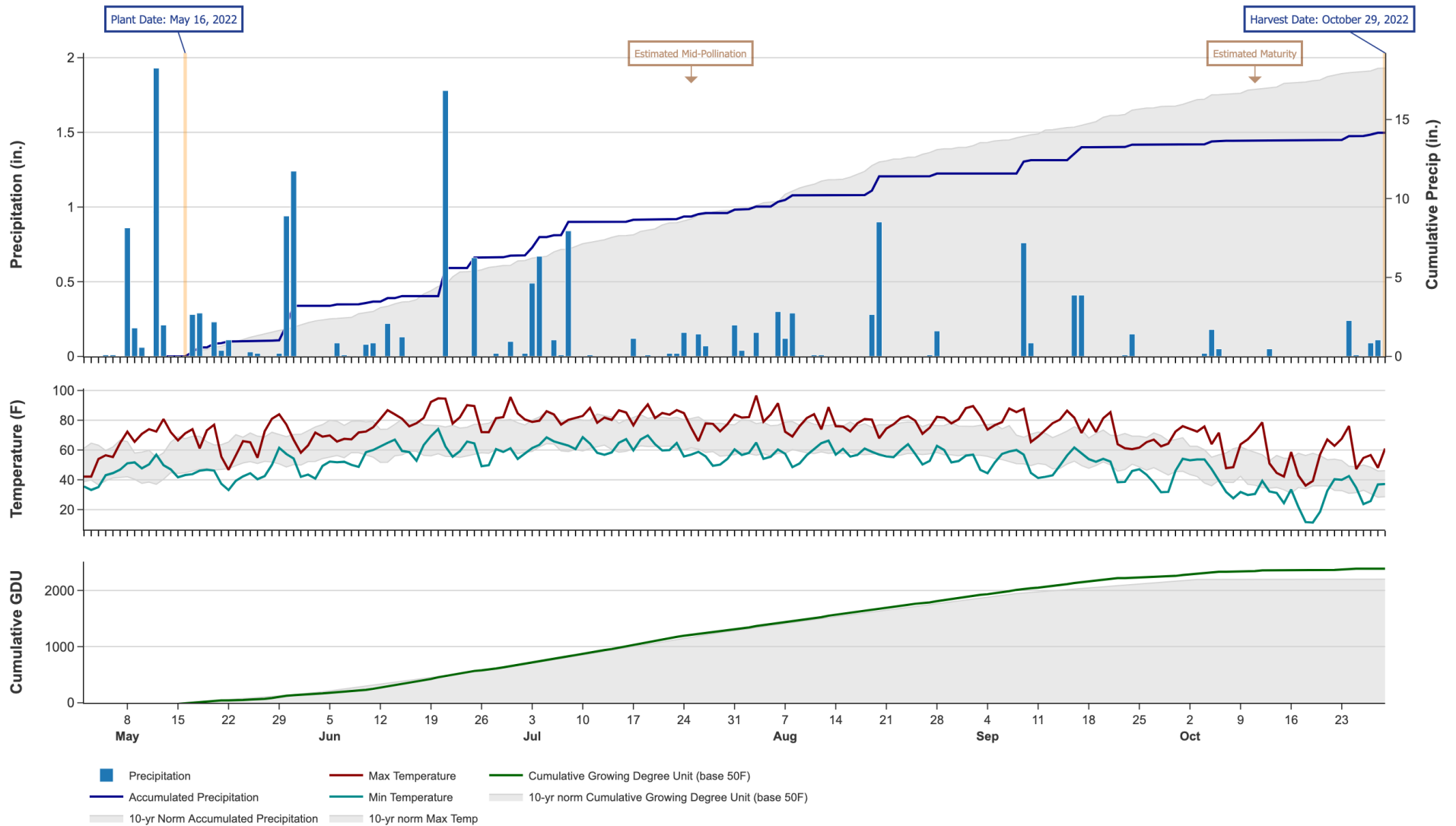
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2022 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at CLEAR LAKE, SD

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	6.5 3.4 (+3.1)	3.2 3.9 (-0.7)	2.9 3.5 (-0.6)	2.3 4.0 (-1.7)	1.8 2.6 (-0.8)	0.8 2.4 (-1.6)	17.4 19.8 (-2.4)
GDU Normal (Diff)	246 198 (+47)	518 502 (+15)	648 636 (+11)	561 542 (+18)	396 348 (+47)	128 27 (+100)	2497 2256 (+240)



* 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 Northeast [SDNE]

Early-Season Test Products (53 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1943-3120	AA	N	93	AC,P5V
Augusta	A1946-3120	AA	N	95	AC,P5V
Dairyland	DS-3203AM	AM	Y	92	Lum, L1
Dairyland	DS-3366AM	AM	Y	93	Lum, L1
Dairyland	DS-3477AM	AM	Y	94	Lum, L1
Dairyland	DS-3550AM	AM	Y	95	Lum, L1
DeKalb	DKC50-87RIB CK	STX	Y	100	AC,P5V,EDC-EL
Dyna-Gro	D31VC23	VT2P	N	91	AC,P2
Dyna-Gro	D32SS92RIB	STX	Y	92	AC,P5
Dyna-Gro	D33QZ83	V	N	93	AC,P5V
Dyna-Gro	D34VC93	VT2P	N	94	AC,P5V,EDC-B
Federal	4300 VT2PRIB	VT2P	Y	93	AC,P2,MAG
Federal	4580 VT2PRIB	VT2P	Y	95	AC,P2,MAG
Golden Harvest	G91V51-DV	DV	Y	91	AVC,C2,Vi,Va
Golden Harvest	G93A49-D	D	Y	93	AVC,C2,Vi,Va
Hefty	H4262 RIB	VT2P	Y	92	HC
Hefty	H4332	VT2P	N	93	HC
Hefty	H4462	VT2P	N	94	HC
Hefty	H4522	VT2P	N	95	HC
Hefty	H4564	STX	N	95	HC
Heine	6122	VT2P	N	94	AC,P5V,EDC-EL
Heine	6200	VT2P	Y	95	AC,P2
Heine	6215VT2PRO	VT2P	N	95	CM,C2,Vi
Heine	6330DGV2PRIB	VT2PDG	Y*	95	AC,P2
Heine	6450VT2PRO	VT2P	N	95	AC,P5V
Integra	4311 VT2PRIB	VT2P	Y	93	AC,P5V,SU+Zn
Integra	4509 VT2PRIB	VT2P	Y	95	AC,P5V,SU+Zn
Jacobsen	JS5044DGV2PR	VT2PDG	Y	95	AC,P2,Va
Jacobsen	JS7045VT2PR	VT2P	Y	95	AC,P2,Va
Jacobsen	JS7095VT2PR	VT2P	Y	95	AC,P2,Va
Latham	LH 4242 VT2P RIB	VT2P	Y	92	AC,P2
Latham	LH 4375 VT2P RIB	VT2P	Y	93	AC,P2
Latham	LH 4454 VT2P RIB	VT2P	Y	94	AC,P2
Latham	LH 4517 VT2P RIB	VT2P	Y	95	AC,P2
Latham	LH 4527 VT2P RIB	VT2P	Y	95	AC,P5V,EDC-B
NK Brand	NK9175-DV	DV	Y	91	AVC,C2,Vi,Va
NK Brand	NK9347-D	D	Y	93	AVC,C2,Vi,Va
Proseed	2392 VT2PRIB	VT2P	Y	92	AC,P2
REA	4B944	VT2P	Y	94	AC,P5V,EDC-B
REA	4B958	VT2P	Y	95	AC,P5V,EDC-B
REA	92B10	VT2P	Y	92	AC,P5V,EDC-B
REA	95A36	STX	Y	95	AC,P5V,EDC-B

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK444VT2P	VT2P	N	93	AC,P5V
Renk	RK502SSTX	STX	N	95	AC,P5V
Rob-See-Co	RC4166-3110A	3110A	N	91	CM,C2,Vi
Rob-See-Co	RC4213-3120	AA	Y	92	AVC,C2,Vi,Va
Rob-See-Co	RC4535-3110	3110	N	95	CM,C2,Vi
Rob-See-Co	RC4838-3010 GC	3010	N	98	AC,P2
Thunder	T6294 VT2P	VT2P	Y	94	AC,P2
Thunder	T6595 VT2P	VT2P	Y	95	AC,P2
Thunder	T6791 VT2P	VT2P	Y	91	AC,P2
Thunder	T6992 VT2P	VT2P	Y	92	AC,P2
Thunder	THX22-95	VT2P	Y	95	AC,P5V,EDC-B

* 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 Northeast [SDNE]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A2148-3220-EZ	V	Y	98	CM,C2
Dairyland	DS-3601AM	AM	Y	96	Lum, L1
Dairyland	DS-3727AM	AM	Y	97	Lum, L1
Dairyland	DS-3900AM	AM	Y	99	Lum, L1
Dairyland	DS-3959Q	QR	Y	99	Lum, L1
Dairyland	DS-4014Q	QR	Y	100	Lum, L1
DeKalb	DKC50-87RIB CK	STX	Y	100	AC,P5V,EDC-EL
Dyna-Gro	D36VC66RIB	VT2P	N	97	AC,P5V
Dyna-Gro	D40VC41RIB	VT2P	N	100	AC,P5V
Enestvedt	E600DP RIB	VT2P	Y	99	AC,P2
Enestvedt	E658DP RIB	VT2P	Y	96	AC,P2
Golden Harvest	G00A97-AA	AA	Y	100	AVC,C2,Vi,Va
Golden Harvest	G99A37-DV	DV	Y	99	AVC,C2,Vi,Va
Hefty	H4653 RIB	VT2PDG	Y	96	HC
Hefty	H4732	VT2P	N	97	HC
Hefty	H4942 RIB	VT2P	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Hefty	H5062	VT2P	N	100	HC
Heine	6500	VT2P	N	98	AC,P2
Heine	6510	STX	N	98	AC,P5V,EDC-EL
Heine	6555	VT2P	N	98	AC,P5V,EDC-EL
Heine	6575VT2PRIB	VT2P	Y*	99	AC,P2
Heine	6600VT2PRO	VT2P	N	99	CM,C2,Vi
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,SU+Zn
Integra	4993 TRERIB	TRE	N	99	AC,P5V
Integra	5052 VT2PRIB	VT2P	Y	100	AC,P5V,SU+Zn
Jacobsen	JS7046VT2PR	VT2P	Y	98	AC,P2,Va
Jacobsen	JS8053TRE	TRE	N	98	AC,P2,Va
Latham	LH 4657 VT2P RIB	VT2P	Y	96	AC,P2
Latham	LH 4669 SS RIB	STX	Y	96	AC,P5V
Latham	LH 4937 VT2P RIB	VT2P	Y	99	AC,P2
Latham	LH 4957 VT2P RIB	VT2P	Y	99	AC,P2,Sb
Latham	LH 5047 VT2P RIB	VT2P	Y	100	AC,P2
NK Brand	NK0007-AA	AA	Y	100	AVC,C2,Vi,Va
NK Brand	NK9874-V	V	Y	98	AVC,C2,Vi,Va
Proseed	2196 VT2PRIB	VT2P	Y	96	CM,C2,Vi,Va
Proseed	2398 TRE	VT2P	Y	98	AC,P5
REA	100T19	TRE	Y	100	AC,P5V,EDC-B
REA	4B976	VT2P	Y	97	AC,P5V,EDC-B
REA	5B994	VT2P	Y	99	AC,P5V,EDC-B
REA	96A49	STX	Y	96	AC,P5V,EDC-B
REA	98A15	STX	Y	98	AC,P5V,EDC-B

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK561DGVT2P	VT2PDG	N	95	AC,P2
Renk	RK579DGVT2P	VT2PDG	Y	99	AC,P2
Renk	RK590VT2P	VT2P	N	98	AC,P2
Rob-See-Co	RC4767-3220	V	Y	97	AVC,C2,Vi,Va
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	T6397 AA	AA	Y	97	AC,P2
Thunder	T6398 TRE	TRE	Y	98	AC,P2
Thunder	T6999 VT2P	VT2P	Y	99	AC,P2
Thunder	T8396 SS	STX	Y	96	AC,P5V,EDC-B

* 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)
3110A	Agrisure® Artesian® Viptera® 3110 (Vip, CB,LL,GT)
AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
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
QR	Qrome™
STX	SmartStax®
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,P2,MAG	Acceleron® 250, Federal ArmourGuard
AC,P2,Sb	Acceleron® 250, SabrEx Inoculant
AC,P2,Va	Acceleron® 250, Vayantis®
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
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C2,Vi,Va	Avicta® Complete 250, Vibrance®, Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
HC	Hefty Complete
Lum, L1	(2022) LumiGEN, Lumisure 1250

* Seed treatments may include unspecified plant health promoting components.