

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

2022 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] BATH, SD
Scott Sperry, Brown County, SD 57427

Early-Season Test	91 - 95 Day CRM B2022SDNE01a
Top 30 of 53	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Round-Up, Sonic
SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.1 pH, 4.7% OM, 26.9 CEC
PEST MANAGEMENT:	Force, Roundup Weathermax, Authority Mtz, Sharpen
FERTILITY - Applied N:	156 Spring
Applied N-P-K (units):	156-100-0
SEEDED - RATE - ROW:	May 18 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 22 31.3 /A

TEST COMMENTS:

This area had great growing conditions all year with good weed control. At harvest, there was little variation in grain moisture with most around 15%. There were very healthy stalks with no signs of disease and the corn was standing well. Other than some shelling at the head from dry corn, this was a very good plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H4564 ↗	STX	95	239.9	15.6	1	31.0	1431	2
Dyna-Gro	D34VC93 ↗	VT2P	94	238.6	14.3	1	31.9	1432	1
Federal	4300 VT2PRIB ↗	VT2P	93	234.1	14.4	1	31.9	1405	3
Heine	6450VT2PRO ↗	VT2P	95	233.0	15.0	1	31.0	1398	4
Hefty	H4462 ↗	VT2P	94	232.8	14.5	1	31.4	1397	5
Heine	6330DGV2PRIB ↗	VT2PDG	95	231.8	14.6	1	31.4	1391	6
Renk	RK444VT2P ↗	VT2P	93	231.8	14.7	1	31.4	1391	7
Thunder	THX22-95 ↗	VT2P	95	228.0	14.2	1	31.4	1368	8
Jacobsen	JS5044DGV2PR ↗	VT2PDG	95	226.9	14.8	1	31.0	1361	9
Federal	4580 VT2PRIB ↗	VT2P	95	226.5	14.6	1	31.4	1359	10
Thunder	T6992 VT2P ↗	VT2P	92	226.0	14.1	1	31.9	1356	11
Dairyland	DS-3550AM ↗	AM	95	226.0	14.4	1	31.4	1356	12
Rob-See-Co	RC4166-3110A ↗	3110A	91	225.5	14.6	1	31.0	1353	13
Latham	LH 4527 VT2P RIB ↗	VT2P	95	224.9	14.6	1	31.0	1349	15
Hefty	H4262 RIB ↗	VT2P	92	224.6	14.2	1	31.4	1348	16
Renk	RK502SSTX ↗	STX	95	224.6	15.1	1	31.0	1346	17
Rob-See-Co	RC4213-3120 ↗	AA	92	224.1	14.5	1	31.0	1345	18
Thunder	T6294 VT2P ↗	VT2P	94	224.1	14.9	1	31.4	1345	19
REA	4B958 ↗	VT2P	95	224.0	15.1	1	31.0	1343	20
Heine	6200 ↗	VT2P	95	223.3	14.3	1	31.4	1340	21
Dairyland	DS-3366AM ↗	AM	93	223.2	14.8	1	31.0	1339	22
Jacobsen	JS7045VT2PR ↗	VT2P	95	222.6	14.4	1	31.4	1336	23
Thunder	T6595 VT2P ↗	VT2P	95	221.7	14.8	1	30.5	1330	24
REA	95A36 ↗	STX	95	221.3	14.6	1	30.5	1328	25
Jacobsen	JS7095VT2PR ↗	VT2P	95	220.5	14.7	1	31.9	1323	26
Augusta	A1943-3120 ↗	AA	93	220.5	15.4	1	31.0	1318	28
Golden Harvest	G91V51-DV ↗	DV	91	220.1	15.0	1	31.4	1321	27
Rob-See-Co	RC4838-3010 GC ↗	3010	98	220.1	15.6	1	31.9	1312	30
Dairyland	DS-3203AM ↗	AM	92	219.6	14.5	1	31.0	1318	29
Latham	LH 4454 VT2P RIB ↗	VT2P	94	218.7	15.0	1	31.0	1312	31
DEKALB	DKC50-87RIB CK	STX	100	228.0	16.2	2	31.4	1351	14
				Averages =	217.7	14.7	1	31.3	1305
				LSD (0.10) =	13.4	0.4	ns		
				LSD (0.25) =	7.0	0.2	ns		
				C.V. =	5.9				
				Historic yield: 204.52 bu/a, 20 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: 10/23/2022

Revised: 10/24/2022 Corrected plot length adjusting yields for all hybrids

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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2022 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] BATH, SD
Scott Sperry, Brown County, SD 57427

Full-Season Test	96 - 100 Day CRM B2022SDNE01b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Round-Up, Sonic
SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.1 pH, 4.7% OM, 26.9 CEC
PEST MANAGEMENT:	Force, Roundup Weathermax, Authority Mtz, Sharpen
FERTILITY - Applied N:	156 Spring
Applied N-P-K (units):	156-100-0
SEEDED - RATE - ROW:	May 18 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 22 31.2 /A

TEST COMMENTS:

This area had great growing conditions all year with good weed control. At harvest, there was little variation in grain moisture with most around 15%. There were very healthy stalks with no signs of disease and the corn was standing well. Other than some shelling at the head from dry corn, this was a very good plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	100T19 ↗	TRE	100	253.3	16.1	1	31.4	1503	1
Thunder	T6298 VT2P ↗	VT2P	98	246.5	15.3	1	31.4	1474	2
Thunder	T8396 SS ↗	STX	96	243.7	16.0	1	31.0	1448	3
Renk	RK590VT2P ↗	VT2P	98	239.3	15.9	1	31.0	1423	4
Rob-See-Co	RC4983-5222 ↗	DV	99	238.2	16.1	1	31.4	1414	6
Hefty	H4653 RIB ↗	VT2PDG	96	237.3	15.3	1	31.4	1420	5
Heine	6575VT2PRIB ↗	VT2P	99	236.6	15.9	1	30.5	1406	9
Proseed	2196 VT2PRIB ↗	VT2P	96	236.2	15.2	1	31.0	1414	7
Dairyland	DS-3601AM ↗	AM	96	236.1	15.2	1	31.4	1413	8
Dairyland	DS-3727AM ↗	AM	97	235.4	15.8	1	31.0	1401	10
REA	5B994 ↗	VT2P	99	235.3	16.0	1	31.0	1397	14
Heine	6555 ↗	VT2P	98	235.1	15.7	1	31.4	1401	11
Heine	6600VT2PRO ↗	VT2P	99	234.6	15.5	1	31.9	1400	13
NK Brand	NK9874-V ↗	V	98	234.2	16.2	1	30.5	1389	16
Renk	RK561DGVT2P ↗	VT2PDG	95	233.5	15.0	1	31.4	1401	12
Latham	LH 4957 VT2P RIB ↗	VT2P	99	233.2	15.6	1	31.4	1391	15
NK Brand	NK0007-AA ↗	AA	100	233.1	16.3	1	30.5	1381	20
Hefty	H4942 RIB ↗	VT2P	99	232.5	15.8	1	31.0	1384	19
Dyna-Gro	D36VC66RIB ↗	VT2P	97	232.2	15.4	1	31.0	1388	17
Hefty	H5062 ↗	VT2P	100	231.3	16.3	1	31.4	1369	23
Latham	LH 4657 VT2P RIB ↗	VT2P	96	231.3	15.2	1	31.4	1385	18
REA	98A15 ↗	STX	98	231.0	16.0	1	31.0	1373	22
Enestvedt	E600DP RIB ↗	VT2P	99	230.6	15.2	1	31.0	1381	21
Dairyland	DS-4014Q ↗	QR	100	230.2	16.7	1	31.0	1358	27
Rob-See-Co	RC4881-5122 ↗	D	98	230.1	16.7	1	30.5	1358	28
Renk	RK579DGVT2P ↗	VT2PDG	99	229.4	16.1	1	31.4	1362	25
Integra	4702 VT2PRIB ↗	VT2P	97	229.0	15.7	1	31.0	1365	24
Golden Harvest	G00A97-AA ↗	AA	100	228.9	15.8	1	31.4	1362	26
Proseed	2398 TRE ↗	VT2P	98	226.9	15.4	1	31.4	1356	29
Heine	6500 ↗	VT2P	98	226.3	15.2	1	31.4	1355	30
DEKALB	DKC50-87RIB CK	STX	100	220.1	16.3	1	31.4	1303	48
				Averages =	228.7	15.8	1	31.2	1361
				LSD (0.10) =	9.7	0.5	ns		
				LSD (0.25) =	5.1	0.3	ns		
				C.V. =	4.0	Historic yield: 204.52 bu/a, 20 yr(s)			

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Report Date: 10/23/2022

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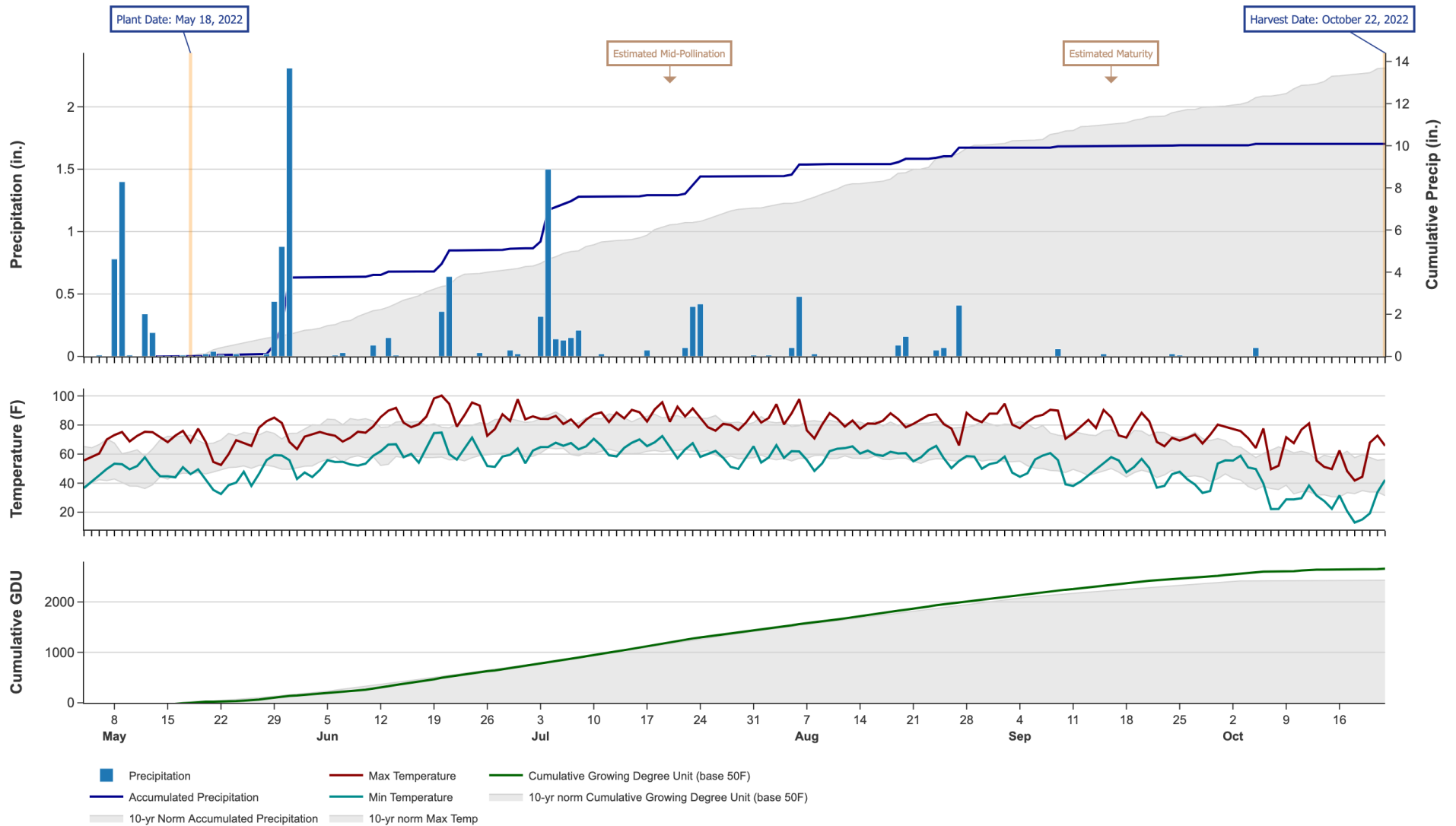
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly 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 BATH, SD

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	6.5 2.4 (+4.0)	1.4 3.1 (-1.7)	3.4 2.9 (+0.5)	1.4 3.0 (-1.7)	0.1 1.8 (-1.7)	0.1 1.8 (-1.8)	12.8 15.1 (-2.2)
GDU Normal (Diff)	285 263 (+21)	572 571 (0)	719 696 (+22)	628 589 (+38)	460 386 (+73)	142 38 (+103)	2806 2546 (+259)



* 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.