

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

2022 Corn Grain Top 30 Harvest Report

South Dakota Northeast [SDNE] MANSFIELD, SD
Chris Fischbach, Spink County, SD

Early-Season Test	91 - 95 Day CRM B2022SDNE03a
Top 30 of 53	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Authority
SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, medium P, very high K, 5.3 pH, 2.8% OM, 19.1 CEC
PEST MANAGEMENT:	Round-Up, Atrazine, Surestart, Banvel
FERTILITY - Applied N:	176 Spring
Applied N-P-K (units):	176-0-0
SEEDED - RATE - ROW:	May 18 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 21 31.6 /A

TEST COMMENTS:

This has been a nice looking plot all year long. At harvest, we had stalk heights of over 8 feet with no signs of any disease or stalk lodging. Favorable growing conditions over the summer produced some strong yields.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DS-3550AM ↗	AM	95	252.6	17.2	1	31.9	1482	1
Heine	6215VT2PRO ↗	VT2P	95	241.4	17.2	1	31.9	1416	2
Renk	RK444VT2P ↗	VT2P	93	234.5	16.6	1	31.9	1384	4
REA	4B944 ↗	VT2P	94	232.6	15.8	1	31.9	1385	3
Heine	6330DGVT2PRIB ↗	VT2PDG	95	231.7	15.8	1	31.9	1379	5
Thunder	T6595 VT2P ↗	VT2P	95	229.8	16.2	1	31.4	1363	6
Heine	6450VT2PRO ↗	VT2P	95	229.4	17.0	1	31.9	1349	10
Federal	4300 VT2PRIB ↗	VT2P	93	228.9	16.6	1	31.4	1352	8
Latham	LH 4527 VT2P RIB ↗	VT2P	95	228.4	15.8	1	31.9	1359	7
Dairyland	DS-3477AM ↗	AM	94	228.3	16.4	1	31.0	1350	9
Federal	4580 VT2PRIB ↗	VT2P	95	227.9	16.5	1	31.9	1346	11
Golden Harvest	G91V51-DV ↗	DV	91	227.4	16.7	1	31.9	1341	13
NK Brand	NK9175-DV ↗	DV	91	227.3	17.2	1	31.9	1334	17
Rob-See-Co	RC4213-3120 ↗	AA	92	227.2	16.7	1	31.9	1340	14
Rob-See-Co	RC4166-3110A ↗	3110A	91	226.9	16.8	1	31.9	1337	15
Hefty	H4564 ↗	STX	95	226.3	16.7	1	31.4	1334	18
REA	95A36 ↗	STX	95	225.8	15.9	1	31.9	1343	12
Hefty	H4462 ↗	VT2P	94	225.7	16.2	1	31.4	1337	16
Latham	LH 4454 VT2P RIB ↗	VT2P	94	224.0	16.2	1	31.9	1328	19
Jacobsen	JS7095VT2PR ↗	VT2P	95	223.0	16.7	1	31.4	1315	22
Latham	LH 4517 VT2P RIB ↗	VT2P	95	222.9	16.0	1	31.9	1324	20
Thunder	THX22-95 ↗	VT2P	95	221.7	15.9	1	31.9	1318	21
Dyna-Gro	D34VC93 ↗	VT2P	94	220.9	16.9	1	31.9	1301	24
Dairyland	DS-3203AM ↗	AM	92	220.6	16.8	1	30.9	1300	25
Dyna-Gro	D33QZ83 ↗	V	93	220.3	16.9	1	31.9	1296	29
Jacobsen	JS5044DGVT2PR ↗	VT2PDG	95	219.7	16.4	1	30.9	1300	26
REA	4B958 ↗	VT2P	95	219.6	16.4	1	31.4	1299	27
Dyna-Gro	D32SS92RIB ↗	STX	92	219.6	16.2	1	31.9	1302	23
Integra	4509 VT2PRIB ↗	VT2P	95	218.4	16.2	1	31.9	1295	30
Thunder	T6992 VT2P ↗	VT2P	92	217.6	15.6	1	31.9	1297	28
DEKALB	DKC50-87RIB CK	STX	100	213.4	17.5	1	31.9	1248	45
				Averages =	220.5	16.5	1	31.6	1304
				LSD (0.10) =	10.7	0.7	ns		
				LSD (0.25) =	5.6	0.4	ns		
				C.V. =	4.6				
				Historic yield: 229.38 bu/a, 3 yr(s)					



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: 10/23/2022

† 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] MANSFIELD, SD
Chris Fischbach, Spink County, SD

Full-Season Test	96 - 100 Day CRM B2022SDNE03b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Authority
SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, medium P, very high K, 5.3 pH, 2.8% OM, 19.1 CEC
PEST MANAGEMENT:	Round-Up, Atrazine, Surestart, Banvel
FERTILITY - Applied N:	176 Spring
Applied N-P-K (units):	176-0-0
SEEDED - RATE - ROW:	May 18 32.5 /A 30" spacing
HARVESTED - STAND:	Oct 21 30.5 /A

TEST COMMENTS:

This has been a nice looking plot all year long. At harvest, we had stalk heights of over 8 feet with no signs of any disease or stalk lodging. Favorable growing conditions over the summer produced some strong yields.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Heine	6575VT2PRIB ↗	VT2P	99	244.3	17.8	1	30.5	1425	1
Integra	4702 VT2PRIB ↗	VT2P	97	243.8	17.6	1	30.0	1425	2
Hefty	H5062 ↗	VT2P	100	243.6	18.8	1	31.0	1406	6
Latham	LH 4957 VT2P RIB ↗	VT2P	99	243.2	18.5	1	31.4	1409	5
REA	98A15 ↗	STX	98	243.2	17.9	1	30.5	1417	3
Proseed	2196 VT2PRIB ↗	VT2P	96	242.7	17.8	1	31.0	1415	4
Dairyland	DS-3727AM ↗	AM	97	240.7	18.8	1	30.5	1389	7
Dyna-Gro	D40VC41RIB ↗	VT2P	100	238.3	19.2	1	31.0	1370	10
REA	5B994 ↗	VT2P	99	237.5	18.9	1	31.0	1369	11
Integra	5052 VT2PRIB ↗	VT2P	100	236.9	18.3	1	30.5	1374	8
REA	96A49 ↗	STX	96	235.9	18.1	1	30.9	1371	9
Renk	RK590VT2P ↗	VT2P	98	234.4	18.2	1	30.0	1361	12
Augusta	A2148-3220-EZ ↗	V	98	234.0	18.9	1	31.0	1349	15
REA	100T19 ↗	TRE	100	232.8	17.9	1	31.0	1357	13
Golden Harvest	G99A37-DV ↗	DV	99	232.7	19.8	1	30.5	1329	22
Enestvedt	E600DP RIB ↗	VT2P	99	232.7	18.5	1	30.5	1347	17
Renk	RK561DGVT2P ↗	VT2PDG	95	230.9	17.5	1	30.5	1351	14
Jacobsen	JS7046VT2PR ↗	VT2P	98	230.8	18.3	1	30.0	1339	19
Heine	6510 ↗	STX	98	229.6	17.2	1	30.5	1348	16
NK Brand	NK9874-V ↗	V	98	229.5	18.4	1	29.5	1330	21
Heine	6555 ↗	VT2P	98	229.1	19.5	1	30.5	1313	29
Thunder	T6397 AA ↗	AA	97	229.1	18.2	1	31.4	1331	20
Dairyland	DS-3601AM ↗	AM	96	228.6	18.3	1	31.0	1326	23
Dyna-Gro	D36VC66RIB ↗	VT2P	97	228.0	17.0	1	30.5	1340	18
Hefty	H4942 RIB ↗	VT2P	99	227.8	18.3	1	31.0	1322	24
Hefty	H5055 ↗	TRE	100	227.2	18.4	1	30.0	1316	27
Thunder	T6398 TRE ↗	TRE	98	226.7	17.9	1	29.0	1320	25
REA	4B976 ↗	VT2P	97	225.6	17.7	1	29.5	1317	26
Proseed	2398 TRE ↗	VT2P	98	225.1	17.8	1	30.0	1313	30
Latham	LH 4657 VT2P RIB ↗	VT2P	96	224.5	17.3	1	30.5	1316	28
DEKALB	DKC50-87RIB CK	STX	100	218.5	18.6	1	30.5	1264	45
				Averages =	226.6	18.3	1	30.5	1314
				LSD (0.10) =	10.9	0.8	ns		
				LSD (0.25) =	5.7	0.4	ns		
				C.V. =	4.6				
				Historic yield: 229.38 bu/a, 3 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: 10/23/2022

† 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

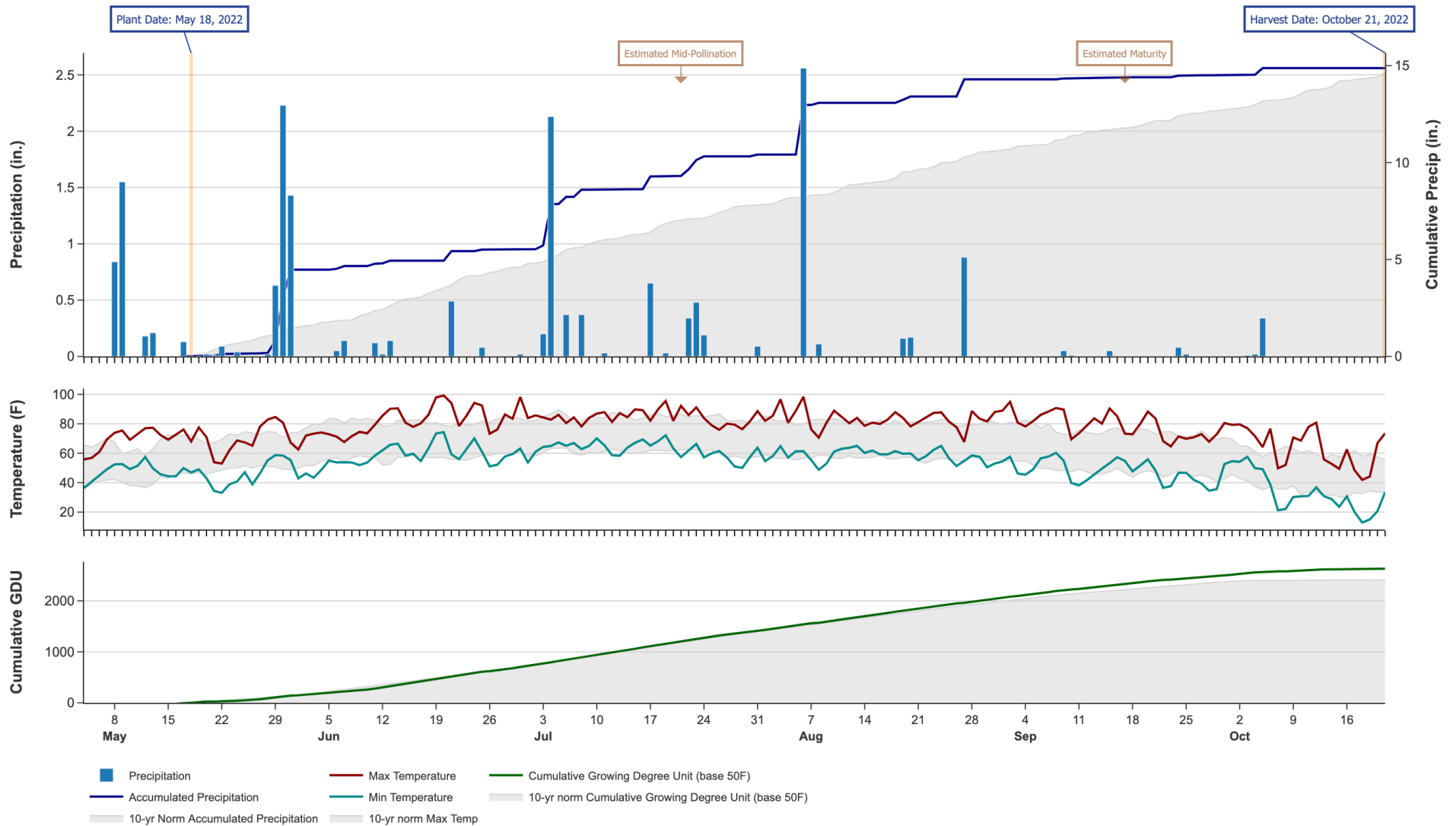
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2022 Corn - South Dakota Northeast [SDNE]

Weather Conditions Summary at MANSFIELD, SD

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	7.4 3.0 (+4.4)	1.1 3.2 (-2.1)	4.9 3.2 (+1.7)	3.9 2.8 (+1.1)	0.2 2.1 (-1.9)	0.4 1.9 (-1.5)	17.8 16.2 (+1.5)
GDU Normal (Diff)	291 258 (+32)	562 562 (0)	709 691 (+17)	627 589 (+37)	457 387 (+69)	134 38 (+95)	2780 2527 (+252)



* 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.