

2023 Corn Grain Top 30 Region Summary for Iowa North Central [IANC]

Early-Season Test

101 - 106 Day CRM

B2023IANCa

Top 30 of 60

For Gross Income (Sorted by Yield), (18) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Britt	Greene	Ionia	Iowa Falls	Osage	Waterloo	
NUTECH	63A5AM ↗	AM	103	220.8	17.7	7	992	1	250.7	168.4	233.4	204.1	246.8	221.3	
FS INVISION	FS 5335P RIB ↗	STXP	103	215.3	16.8	2	974	2	258.4	166.7	210.8	212.1	227.5	216.4	
ROB-SEE-CO	RC5188-SSP ↗	STXP	101	213.4	16.5	2	968	3	244.7	169.1	233.0	193.3	231.6	208.4	
NUTECH	66C2Q ↗	QR	106	210.5	18.0	5	943	8	251.9	169.5	214.5	182.9	241.3	202.8	
KRUGER	K0551DP ↗	VT2P	105	210.4	16.7	4	954	4	243.3	163.4	237.7	190.1	220.2	208.0	
AUGUSTA	A1954 PCE ↗	PCE	104	210.0	17.3	6	947	5	260.3	170.6	216.4	160.9	230.7	220.7	
VIKING BLUE RIVER	84-05 ↗	CONV	105	208.9	16.9	7	945	6	255.2	154.1	217.2	188.2	228.0	210.5	
TITAN PRO	24-05 PCE ↗	PCE	105	208.8	17.3	8	941	9	252.3	152.3	232.9	192.7	227.2	195.4	
KRUGER	K0475SP ↗	STXP	104	208.8	16.9	4	944	7	250.3	160.7	220.1	182.8	237.7	201.0	
ROB-SEE-CO	RC5610-PCE ↗	PCE	106	207.9	17.3	6	937	10	239.3	161.9	251.9	161.4	208.9	224.3	
CORNELIUS	C6578PC ↗	PCE	105	207.1	17.4	8	933	12	226.8	169.8	215.6	182.7	230.9	217.1	
PRAIRIE HYBRIDS	4470 ↗	CONV	106	206.8	17.5	5	931	14	243.2	161.7	238.1	159.8	236.2	201.5	
WYFFELS	W3309 ↗	STXP	103	206.5	17.2	6	931	15	257.9	149.2	251.8	131.5	249.9	198.5	
KRUGER	K0377SS ↗	STX	103	206.4	17.1	6	932	13	245.0	164.7	237.0	168.0	218.5	205.2	
NUTECH	65D3Q ↗	QR	105	206.3	18.0	4	925	23	244.3	165.0	206.0	180.7	231.9	210.0	
AUGUSTA	A2154 ↗	CONV	104	206.0	17.0	6	931	16	237.7	169.1	215.6	183.8	231.4	198.2	
NUTECH	66D1AM ↗	AM	106	205.7	17.3	5	927	19	243.8	155.9	204.6	179.4	237.6	213.0	
FS INVISION	FS 5594X RIB ↗	STX	105	205.6	17.4	3	926	20	252.9	177.5	219.8	152.8	222.6	208.2	
TITAN PRO	32-06 SSP ↗	STXP	106	205.5	17.4	3	925	21	237.5	158.3	220.8	183.3	232.2	200.8	
VIKING BLUE RIVER	72-06 ↗	CONV	106	205.5	17.2	5	927	18	247.0	152.8	232.9	161.6	238.1	200.6	
CORNELIUS	C6472TRE ↗	TRE	104	205.0	16.7	4	929	17	250.1	159.6	212.0	161.8	227.3	218.9	
KRUGER	K0151SP ↗	STXP	101	204.9	17.1	2	925	22	246.4	158.5	221.0	185.9	214.5	203.0	
ANDERSON	472SRC ↗	STX	106	204.3	17.4	9	920	24	262.8	164.5	227.3	145.4	226.9	198.8	
PIONEER	P0339Q GC ↗	QR	103	203.8	17.3	4	919	25	251.2	162.2	222.4	183.6	196.1	207.3	
FS INVISION	FS 5525VDG RIB ↗	VT2PDG	105	203.6	17.2	4	919	27	230.0	163.4	212.7	202.5	211.7	201.4	
WYFFELS	W2629 ↗	STXP	101	203.1	16.8	2	919	26	253.2	158.1	197.4	190.0	210.3	209.7	
PRAIRIE HYBRIDS	3051ORG ↗	CONV	105	202.5	17.5	4	911	30	233.2	175.6	208.7	168.7	221.7	207.4	
ROB-SEE-CO	RC5422-PCE ↗	PCE	104	202.4	17.3	8	912	28	231.6	161.0	202.6	159.3	235.7	224.1	
NUTECH	64B5Q ↗	QR	104	202.4	17.5	5	911	31	235.1	157.3	207.5	159.8	236.1	218.6	
EPLEY	E1530 ↗	CONV	105	201.3	16.7	4	912	29	261.1	167.8	205.7	157.7	212.4	203.3	
PIONEER	P0622Q CK	QR	106	209.5	18.4	3	935	11	243.9	166.8	214.3	180.5	229.2	222.2	
				Averages =	201.0	17.1	5	907		241.0	160.0	218.9	162.3	219.5	204.2
				LSD (0.10) =	9.9	0.5	ns			13.4	8.0	14.2	23.8	13.5	7.5
				LSD (0.25) =	5.2	0.2	ns			7.0	4.2	7.4	12.5	7.1	3.9

Corey Rozenboom

Corey Rozenboom

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Prev. years average yield for region: 199.52 bu/a, 22 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$4.60

† 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. Oil and Protein values are average results of 1 sample per location.

Additional reports available at www.firstseedtests.com

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Report Date: 10/20/2023

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2023 Corn Grain Top 30 Harvest Report

Iowa North [IANO] IONIA, IA

Shanon Maloy, Chickasaw County, IA

Ultra Early-Season Test 95 - 100 Day CRM
B2023IANO05u

Top 30 of 54 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Soybeans / Boundary 6.5 Ec,
Roundup Powermax, Tavium,
Fusilade Dx, Roundup
Powermax

SOIL DESCRIPTION: Tripoli clay loam, moderately
drained, non-irrigated

SOIL CONDITION: Conventional W/ Fall Till, high P,
medium K, 6.0 pH, 6.6% OM,
28.6 CEC

PEST MANAGEMENT: Acuron, Medal li Ec, Miravis Neo

FERTILITY - Applied N: 100 Fall, 45 Spring, 46
Sidedress, 10 lbs/acre of
MicroSync

Applied N-P-K (units): 191-171-104

SEEDED - RATE - ROW: May 3 35.7 /A 30" spacing

HARVESTED - STAND: Oct 18 34.4 /A

TEST COMMENTS:

After some good moisture received during March-April, soils at planting were near ideal and produced good stands. But the theme for this area was the drought that progressed and grew more extreme throughout the season. Variability within fields was quite apparent between soils that held water well and those that didn't. The dry weather prevented foliar diseases from developing or having much effect. From planting through maturity, this farm was 13.6" below the 10-yr average. Stalk health at harvest was excellent and no lodging was observed among the hybrids at Shanon's farm.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W2446RIB ↗	VT2P	100	240.6	17.2	1	35.2	1086	1
Wyffels	W1988 ↗	STX	98	236.4	17.4	1	34.5	1065	4
Integra	4702 VT2PRIB ↗	VT2P	97	236.3	17.0	1	35.8	1068	2
Viking Blue River	44-98 ↗	CONV	98	236.2	17.1	1	33.9	1067	3
Cornelius	C5922SSP ↗	STXP	99	235.0	17.2	1	35.2	1060	6
Renk	RK571PWE ↗	PCE	96	234.5	16.9	1	34.5	1061	5
DeKalb	DKC47-84RIB GC ↗	STX	97	233.9	16.9	1	34.5	1058	7
Cornelius	C5972TRE ↗	TRE	99	233.7	17.3	1	33.2	1054	8
FS InVision	FS 5035P ↗	STXP	100	232.9	17.5	1	33.2	1048	11
Augusta	A1946-AA ↗	AA	96	232.7	17.2	1	33.9	1050	9
Pioneer	P9823Q GC ↗	QR	98	232.5	17.2	1	34.5	1049	10
NuTech	59C1AM ↗	AM	99	226.3	17.4	1	35.8	1019	12
Renk	RK597SSPRO ↗	STXP	99	222.2	17.2	1	34.5	1003	13
Golden Harvest	G98B99-AA ↗	AA	98	220.8	17.8	1	32.6	991	16
NuTech	60A2Q ↗	QR	100	220.4	17.2	1	33.2	994	14
Rob-See-Co	RC4937-SSP ↗	STXP	99	219.8	17.2	1	33.9	992	15
DenBesten	DB33-99 ↗	CONV	99	219.5	17.6	1	31.2	987	17
NuTech	57B5AM ↗	AM	97	218.4	17.0	1	31.9	987	18
Renk	RK579DGV2P ↗	VT2PDG	99	218.3	17.1	1	35.8	986	19
Wyffels	W1996RIB ↗	VT2P	98	218.1	17.1	1	35.2	985	20
Renk	RK600VT2P ↗	VT2P	100	216.9	17.3	1	35.8	978	21
NuTech	56A8AM ↗	AM	96	216.5	17.1	1	34.5	978	22
NuTech	57A4Q ↗	QR	97	216.5	17.3	1	33.2	976	23
Rob-See-Co	RC4779-PCE ↗	PCE	97	215.9	17.2	1	35.8	974	24
Integra	CXINT099TRE ↗	TRE	99	215.0	17.5	1	35.2	968	25
NuTech	60A4AM ↗	AM	100	212.7	17.6	1	34.5	957	27
Viking Blue River	45-97 ↗	CONV	97	212.5	16.8	1	31.9	962	26
Integra	4993 TRERIB ↗	TRE	99	212.4	17.4	1	35.8	956	28
Pioneer	P0075Q GC ↗	QR	100	212.4	17.5	1	34.5	956	29
Rob-See-Co	RC4518-VT2P ↗	VT2P	95	211.7	17.1	1	33.2	956	30

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Averages = **212.7** **17.3** **1** **34.4** **959**

LSD (0.10) = 17.1 0.3 ns

LSD (0.25) = 9.0 0.1 ns

C.V. = 7.6

Historic yield: new site

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$4.60

Report Date: 10/18/2023

† 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

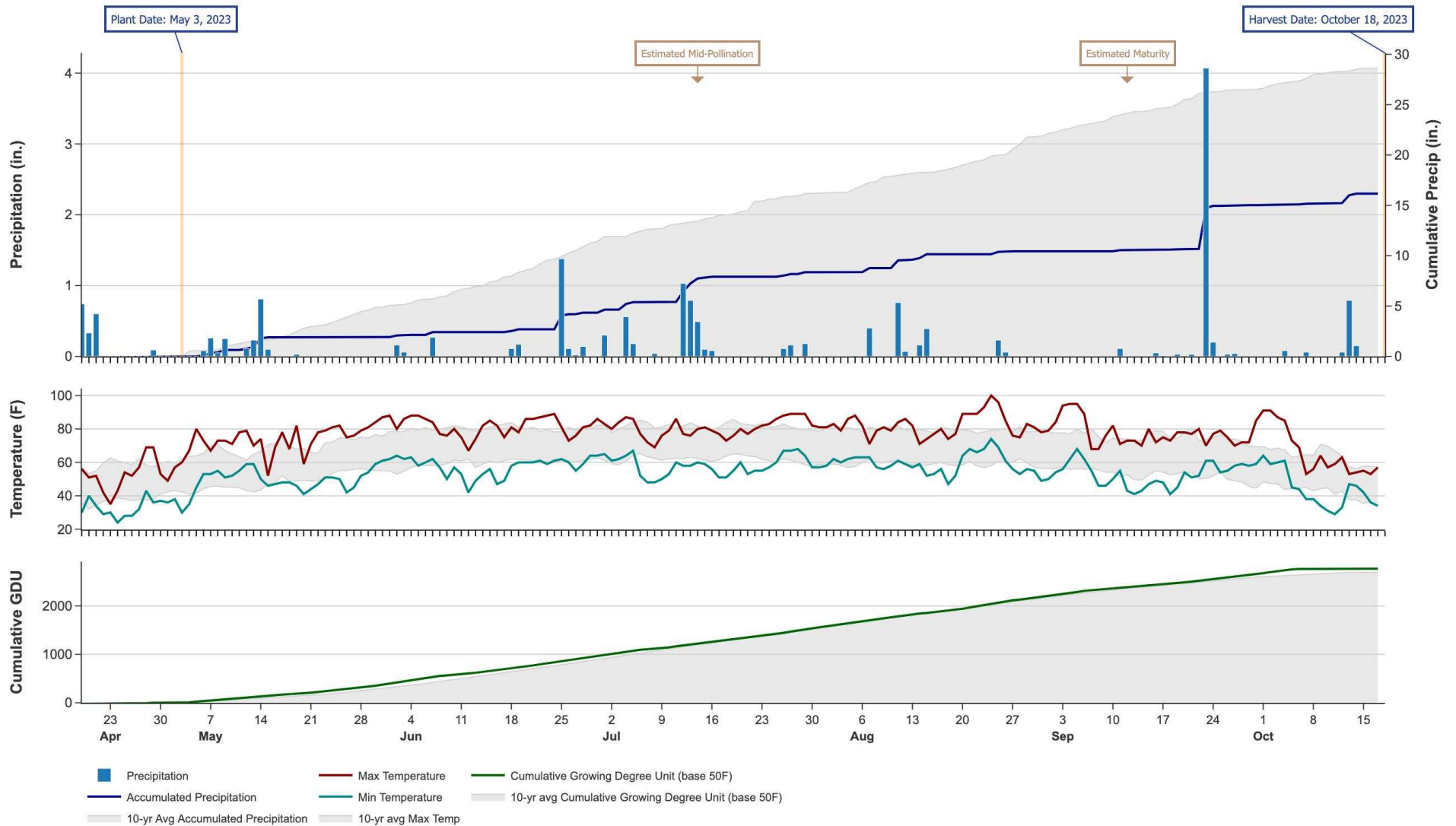
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2023 Corn - Iowa North [IANO]

Weather Conditions Summary at IONIA, IA

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.8 1.4 (+0.3)	1.9 5.6 (-3.7)	2.4 6.5 (-4.1)	4.0 4.8 (-0.8)	2.1 5.7 (-3.6)	4.6 4.6 (-0.1)	1.1 2.1 (-1.0)	17.9 30.8 (-12.8)
GDU Avg (Diff)	19 17 (+1)	374 310 (+63)	588 596 (-8)	597 673 (-76)	624 600 (+23)	468 428 (+39)	118 100 (+17)	2788 2727 (+60)



* 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 - Iowa North [IANO]

Ultra Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1946-AA	AA	N	96	CM,C2
Augusta	A2047-PWE	PCE	N	97	AC,P5V
Augusta	A2048-AA	AA	N	98	CM,C5
Cornelius	C5704TRE	TRE	N	97	AC,P5V,EDC-EL
Cornelius	C5922SSP	STXP	N	99	CM,C2,Vi,Va
Cornelius	C5972TRE	TRE	N	99	CM,C2,Vi,Va
DeKalb	DKC47-84RIB GC	STX	Y	97	AC,P5V,EDC-EL
DenBesten	DB30-97	CONV	N	97	CM,C2,Vi
DenBesten	DB33-99	CONV	N	99	CM,C2,Vi
FS InVision	FS 4535D2 EZR	V	Y	95	CM,C5,Va
FS InVision	FS 4715V RIB	VT2P	Y	97	AC,P5V,EDC-EL
FS InVision	FS 4927T RIB	TRE	Y	99	AC,P5V,EDC-EL
FS InVision	FS 5035P	STXP	N	100	AC,P5V,EDC-EL
Golden Harvest	G00A97-AA	AA	Y	100	CM,C5,Va
Golden Harvest	G97B68-DV	DV	Y	97	AVC,C1,Va
Golden Harvest	G98B99-AA	AA	Y	98	CM,C5,Va
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,SU+Zn
Integra	4993 TRERIB	TRE	N	99	AC,P5V,SU+Zn
Integra	CXINT099TRE	TRE	Y	99	AC,P5V,SU+Zn,PT
Jacobsen	JS5044DGVT2P	VT2PDG	Y	95	Treated
Jacobsen	JS7045VT2PRO	VT2P	Y	95	Treated
Jacobsen	JS7096VT2PRO	VT2P	Y	97	Treated
Jacobsen	JS9723TRE	TRE	Y	97	Treated
Kruger	K0019DT	TRE	Y	100	AC,P5V
Kruger	K9815SS	STX	Y	98	AC,P5V
Kruger	K9864DT	TRE	Y	98	AC,P5V
NuTech	56A8AM	AM	Y	96	Lum, L1
NuTech	57A4Q	QR	Y	97	Lum, L1
NuTech	57B5AM	AM	Y	97	Lum, L1
NuTech	59A1Q	QR	Y	99	Lum, L1
NuTech	59C1AM	AM	Y	99	Lum, L1
NuTech	60A2Q	QR	Y	100	Lum, L1
NuTech	60A4AM	AM	Y	100	Lum, L1
Pioneer	P0075Q GC	QR	Y	100	Lum, L1
Pioneer	P9823Q GC	QR	Y	98	Lum, L1
Renk	RK571PWE	PCE	N	96	Lum,P5V
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK582SSTX	STX	N	98	AC,P5V
Renk	RK590VT2P	VT2P	N	98	AC,P2
Renk	RK597SSPRO	STXP	N	99	AC,P5V,B300
Renk	RK600VT2P	VT2P	N	100	AC,P2
Rob-See-Co	RC4518-VT2P	VT2P	Y	95	CM,C2,Vi,Va

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	RC4779-PCE	PCE	N	97	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
Titan Pro	28-96 PCE	PCE	N	96	CM,C2,Vi,Va
Titan Pro	30-00 SS	STX	Y	100	AC,P5V
Titan Pro	37-97 DV	DV	Y	97	CM,C2,Vi,Va
Viking Blue River	24-99	CONV	U	99	AC,P2
Viking Blue River	44-98	CONV	N	98	CM,C2,Sb
Viking Blue River	45-97	CONV	U	97	CM,C2,Sb
Wyffels	W1988	STX	N	98	AC,P5
Wyffels	W1996RIB	VT2P	Y*	98	CM,C2,Vi,Va
Wyffels	W2446RIB	VT2P	Y*	100	CM,C2,Vi,Va

* 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,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B300	Acceleron® Poncho 500/Votivo with B-300 SAT
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,SU+Zn,PT	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn with PhycoTerra® ST
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Inoculant
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5	Cruisermaxx® 500
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2023 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] LU VERNE, IA
Bob Plathe, Kossuth County, IA 50560

Early-Season Test	101 - 106 Day CRM B2023IANW05a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Harness, Impact
SOIL DESCRIPTION:	Ottosen clay loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/ Fall Till, high P, low K, 5.9 pH, 4.3% OM, 28.7 CEC
PEST MANAGEMENT:	Harness, Impact, Atrazine
FERTILITY - Applied N:	200 Spring, 2 tons/acre chicken litter applied fall 2022
Applied N-P-K (units):	200-46-60
SEEDED - RATE - ROW:	May 9 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 18 34.1 /A

TEST COMMENTS:

This corn-on-corn plot on Bob's farm really took it in the chin this season. Dry weather made it difficult to move nitrogen and other nutrients into the crop. The effect was short ears overall, likely a result of limited NPK getting into the plants during key growth stages. Additionally, plants were particularly susceptible to lodging, and differences among hybrids were apparent. The dry weather also revealed wide soil variability deeper in the profile as drought conditions progressed through the season. Decent yields could be found in soils with good water-holding capacity, but corn in lighter ground suffered. Bob reported yields in other areas of his farms ranging from 50 bu/a in poor areas to 230 bu/a in the good areas. This farm ended 6.3" below the 10-yr average for rainfall. Use these results with caution as the variance is elevated in the results.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W3309 ↗	STXP	103	211.3	15.1	1	33.9	971	1
Titan Pro	32-06 SSP ↗	STXP	106	209.4	15.0	1	35.8	963	2
Hoegemeyer	7329AM ↗	AM	103	201.8	15.4	1	34.5	925	3
DeKalb	DKC105-33RIB GC ↗	STXP	105	196.3	15.8	1	31.2	896	4
FS InVision	FS 5594X RIB ↗	STX	105	194.6	15.2	1	32.6	894	5
DeKalb	DKC101-33RIB GC ↗	STXP	101	194.4	15.4	4	33.2	891	6
Augusta	A1954 PCE ↗	PCE	104	193.8	16.0	22	35.2	883	9
Dyna-Gro	D45SP33RIB ↗	STXP	105	193.6	15.5	1	33.9	887	8
Kruger	K0551DP ↗	VT2P	105	193.3	14.1	2	33.9	889	7
Viking Blue River	84-05 ↗	CONV	105	192.3	15.3	18	34.5	882	10
Integra	5584 PWE ↗	PCE	105	191.0	16.1	6	34.5	870	12
FS InVision	FS 5335P RIB ↗	STXP	103	190.3	14.6	4	33.9	875	11
Prairie Hybrids	3051ORG ↗	CONV	105	189.4	15.5	31	34.5	867	13
Kruger	K0377SS ↗	STX	103	188.2	15.8	2	35.2	859	14
Kruger	K0475SP ↗	STXP	104	185.6	15.6	1	31.9	849	16
DenBesten	DB34-06 ↗	CONV	106	185.2	16.5	5	35.2	841	18
Hoegemeyer	7549Q ↗	QR	105	185.1	16.0	7	33.9	844	17
Hefty	H5674 ↗	STXP	106	184.9	14.9	1	35.2	851	15
Hefty	H5442 ↗	VT2P	104	182.9	14.5	4	34.5	841	19
Augusta	A1956-PWE ↗	PCE	106	180.9	15.7	2	33.9	827	20
Golden Harvest	G06A27-D ↗	D	106	180.8	16.6	1	36.5	820	23
Prairie Hybrids	4470 ↗	CONV	106	179.8	15.3	5	35.2	825	21
Renk	RK625DGV2P ↗	VT2PDG	104	178.6	14.9	10	33.2	822	22
Wyffels	W4025RIB ↗	TRE	105	177.5	15.1	2	35.8	816	24
Augusta	A2154 ↗	CONV	104	176.3	15.4	7	33.9	808	25
Miller Hybrids	M06-62 ↗	CONV	106	176.2	15.4	1	34.5	808	26
Dyna-Gro	D44DC73RIB ↗	VT2PDG	104	175.1	14.8	12	34.5	805	27
Dyna-Gro	D41TC74RIB ↗	TRE	101	174.7	14.8	1	34.5	804	28
Titan Pro	34-04 DG2P ↗	VT2PDG	104	173.2	14.8	14	33.2	797	29
Viking Blue River	72-06 ↗	CONV	106	172.9	15.3	8	33.2	793	30
PIONEER	P0622Q CK	QR	106	146.5	17.6	1	33.2	659	57
				Averages =	172.8	15.4	6	34.1	792
				LSD (0.10) =	15.7	0.6	8		
				LSD (0.25) =	8.2	0.3	4		
				C.V. =	8.6				
								Historic yield: 193.34 bu/a, 20 yr(s)	

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.60

Report Date: 10/19/2023

† 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

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Additional reports available at www.firstseedtests.com

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2023 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] LU VERNE, IA
Bob Plathe, Kossuth County, IA 50560

Full-Season Test 107 - 111 Day CRM
B2023IANW05b

Top 30 of 54 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Corn / Harness, Impact
SOIL DESCRIPTION: Ottosen clay loam, moderately drained, non-irrigated
SOIL CONDITION: Minimum W/ Fall Till, high P, low K, 5.9 pH, 4.3% OM, 28.7 CEC
PEST MANAGEMENT: Harness, Impact, Atrazine
FERTILITY - Applied N: 200 Spring, 2 tons/acre chicken litter applied fall 2022
Applied N-P-K (units): 200-46-60
SEEDED - RATE - ROW: May 9 35.7 /A 30" spacing
HARVESTED - STAND: Oct 18 33.0 /A

TEST COMMENTS:

This corn-on-corn plot on Bob's farm really took it in the chin this season. Dry weather made it difficult to move nitrogen and other nutrients into the crop. The effect was short ears overall, likely a result of limited NPK getting into the plants during key growth stages. Additionally, plants were particularly susceptible to lodging, and differences among hybrids were apparent. The dry weather also revealed wide soil variability deeper in the profile as drought conditions progressed through the season. Decent yields could be found in soils with good water-holding capacity, but corn in lighter ground suffered. Bob reported yields in other areas of his farms ranging from 50 bu/a in poor areas to 230 bu/a in the good areas. This farm ended 6.3" below the 10-yr average for rainfall. Use these results with caution as the variance is elevated in the results.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVision	FS 5935X RIB ↗	STX	109	188.9	18.4	8	31.9	843	1
Prairie Hybrids	5851 ↗	CONV	109	174.9	17.7	22	34.5	785	2
Renk	RK766SSPRO ↗	STXP	109	172.2	18.2	1	31.9	770	3
Miller Hybrids	M10-74 ↗	CONV	110	172.0	20.2	41	33.2	755	5
DenBesten	DB32-07 ↗	CONV	107	169.5	18.4	22	29.9	757	4
Integra	6061 STXRIB ↗	STX	110	167.4	17.6	1	33.9	753	6
Cornelius	C7048SSP ↗	STXP	110	167.2	18.9	3	33.9	743	7
Hoegemeyer	8110AM ↗	AM	111	167.0	20.0	37	33.9	735	9
FS InVision	FS 6025X RIB ↗	STX	110	166.4	19.5	23	32.6	735	10
Kruger	K1139SS ↗	STX	111	164.6	18.0	2	34.5	737	8
Hefty	H6064 ↗	STX	110	162.7	19.1	4	31.2	722	11
Renk	RK773TRE ↗	TRE	109	158.2	18.4	6	34.5	706	12
Integra	5704 SSSPRO ↗	STXP	107	157.9	20.6	1	31.2	691	16
Wyffels	W6886 ↗	VT2P	111	157.5	18.0	7	34.5	706	13
DeKalb	DKC108-64RIB GC ↗	STXP	108	156.6	17.4	5	31.9	705	14
Kruger	K0957SP ↗	STXP	109	154.3	17.9	9	33.8	692	15
Cornelius	C7021DP ↗	VT2P	110	153.5	18.2	19	34.5	686	17
LG Seeds	LG58C73-3110 ↗	3110	108	152.7	20.3	34	33.2	670	21
Hefty	H5862 ↗	VT2P	108	152.5	18.5	54	34.5	680	18
Wyffels	W5019 ↗	STXP	107	151.4	20.1	1	33.9	666	23
Hefty	H6042 RIB ↗	VT2P	110	151.4	18.5	18	31.9	675	20
FS InVision	FS 6017V RIB ↗	VT2P	110	150.0	17.3	12	35.2	676	19
Miller Hybrids	M09-63 ↗	CONV	109	148.4	18.0	10	33.8	665	24
Pioneer	P1185AM GC ↗	AM	111	144.8	18.4	5	33.9	646	25
LG Seeds	LG58C48VT2PRIB ↗	VT2P	108	142.4	16.5	30	33.9	646	26
FS InVision	FS 6137PC ↗	PCE	111	141.6	18.6	59	32.5	631	30
Titan Pro	31-10 PCE ↗	PCE	110	141.6	17.2	42	34.5	639	27
Hoegemeyer	8125AM ↗	AM	111	141.2	17.6	4	32.5	635	28
Wyffels	W6215 ↗	TRE	109	140.7	17.2	26	33.9	635	29
Pioneer	P0953AM GC ↗	AM	109	135.8	16.1	30	33.2	619	31
PIONEER	P0622Q CK	QR	106	148.3	17.4	17	32.6	668	22
				Averages =	141.2	18.4	25	33.0	630
				LSD (0.10) =	23.2	1.2	22		
				LSD (0.25) =	12.2	0.7	12		
				C.V. =	15.6				
Corey Rozenboom				Historic yield: 193.34 bu/a, 20 yr(s)					
corey.rozenboom@firstseedtests.com, (319) 830-8886									

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.60

Report Date: 10/19/2023

† 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

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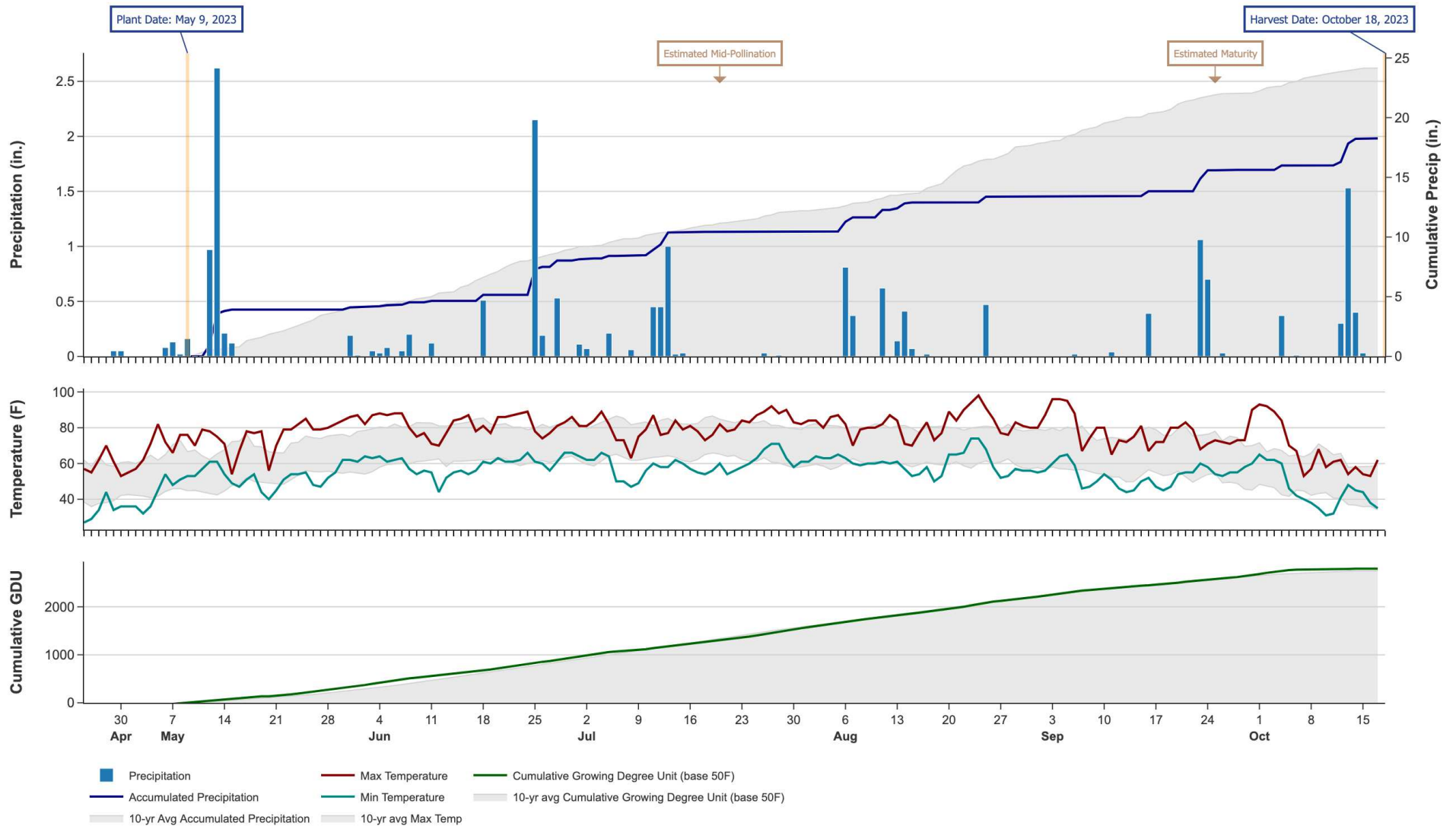
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2023 Corn - Iowa Northwest [IANW]

Weather Conditions Summary at LU VERNE, IA

Weather Data Retrieved: 10/19/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.1 0.7 (-0.6)	4.5 5.4 (-0.9)	3.9 5.0 (-1.1)	2.4 3.2 (-0.8)	2.9 5.5 (-2.6)	2.2 4.4 (-2.2)	2.6 2.1 (+0.6)	18.8 26.3 (-7.6)
GDU Avg (Diff)	10 18 (-8)	400 317 (+82)	618 629 (-11)	612 697 (-85)	640 619 (+20)	465 450 (+14)	135 100 (+34)	2880 2833 (+46)



* 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 - Iowa Northwest [IANW]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1954 PCE	PCE	N	104	CM,C2
Augusta	A1956-PWE	PCE	N	106	AC,P5V
Augusta	A2154	CONV	N	104	CM,C2
Blue River	49M23	CONV	U	103	Treated
Cornelius	C6384TRE	TRE	N	103	AC,P5V,EDC-EL
Cornelius	C6472TRE	TRE	N	104	AC,P5V,EDC-B
DeKalb	DKC101-33RIB GC	STXP	Y	101	AC,P5V,EDC-EL
DeKalb	DKC105-33RIB GC	STXP	Y	105	AC,P5V,EDC-EL
DeKalb	DKC52-18RIB GC	STX	Y	102	AC,P5V,EDC-EL
DeKalb	DKC52-99RIB GC	TRE	Y	102	AC,P5V,EDC-EL
DeKalb	DKC56-65RIB GC	STX	Y	106	AC,P5V,EDC-EL
DenBesten	DB32-02	CONV	N	102	CM,C2,Vi
DenBesten	DB33-05	CONV	N	105	CM,C2,Vi
DenBesten	DB34-06	CONV	N	106	CM,C2,Vi
Dyna-Gro	D41TC74RIB	TRE	Y*	101	AC,P5V
Dyna-Gro	D44DC73RIB	VT2PDG	Y	104	AC,P5V
Dyna-Gro	D45SP33RIB	STXP	Y	105	AC,P5V
FS InVision	FS 5125L1A EZR	AA	Y	101	AC,P5V,EDC-EL
FS InVision	FS 5335P RIB	STXP	Y	103	AC,P5V,EDC-EL
FS InVision	FS 5525VDG RIB	VT2PDG	Y	105	AC,P5V,EDC-EL
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V,EDC-EL
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Golden Harvest	G06A27-D	D	Y	106	AVC,C1,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
Hoegemeyer	7329AM	AM	Y	103	Lum, L1
Hoegemeyer	7478AM	AM	Y	104	Lum, L1
Hoegemeyer	7549Q	QR	Y	105	Lum, L1
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V,SU+Zn
Integra	5584 PWE	PCE	N	105	AC,P5V
Kruger	K0151SP	STXP	Y	101	AC,P5V
Kruger	K0377SS	STX	Y	103	AC,P5V
Kruger	K0475SP	STXP	Y	104	AC,P5V
Kruger	K0551DP	VT2P	Y	105	AC,P5V
LG Seeds	LG51C62VT2RIB	VT2P	Y	101	Treated
LG Seeds	LG52C42VT2RIB	VT2P	Y	102	Treated
Miller Hybrids	M06-62	CONV	N	106	MSC
Miller Hybrids	RX03-47	CONV	N	103	MSC
Pioneer	P0339Q GC	QR	Y	103	Lum, L1
Pioneer	P0622Q CK	QR	Y	106	Lum, L1

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Prairie Hybrids	3051ORG	CONV	N	105	CM,C2,Vi,Va
Prairie Hybrids	4470	CONV	N	106	MQ
Renk	RK625DGV2P	VT2PDG	N	104	AC,P2
Renk	RK628VT2P	VT2P	N	102	AC,P5V,B300
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK707TRE	TRE	N	105	AC,P5V,B300
Renk	RK720TRE	TRE	N	106	AC,P2
Titan Pro	32-06 SSP	STXP	Y	106	AC,P5V
Titan Pro	34-04 DG2P	VT2PDG	Y	104	AC,P2
Titan Pro	36-06	CONV	N	106	CM,C2,Vi,Va
Viking Blue River	46-02	CONV	N	102	CM,C2,Sb
Viking Blue River	72-06	CONV	N	106	CM,C2,Sb
Viking Blue River	84-05	CONV	N	105	CM,C2,Sb
Wyffels	W2595	TRE	N	101	AC,P5
Wyffels	W2629	STXP	N	101	AC,P5
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

* 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 - Iowa Northwest [IANW]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Cornelius	C7021DP	VT2P	N	110	CM,C2,Vi,Va
Cornelius	C7048SSP	STXP	N	110	AC,P5V,EDC-EL
DeKalb	DKC107-33RIB GC	STXP	Y	107	AC,P5V,EDC-EL
DeKalb	DKC108-64RIB GC	STXP	Y	108	AC,P5V,EDC-EL
DeKalb	DKC110-10RIB GC	STX	Y	110	AC,P5V,EDC-EL
DeKalb	DKC59-82RIB GC	VT2P	Y	109	AC,P5V,EDC-EL
DenBesten	DB32-07	CONV	N	107	CM,C2,Vi
DenBesten	DB33-08	CONV	N	108	CM,C2,Vi
Dyna-Gro	D49VC53RIB	VT2P	Y*	109	AC,P5V
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
FS InVision	FS 5935X RIB	STX	Y	109	AC,P5V,EDC-EL
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6133VDG RIB	VT2PDG	Y	111	AC,P5V,EDC-EL
FS InVision	FS 6137PC	PCE	N	111	CM,C2,Vi,Va
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G11V76-AA	AA	Y	111	CM,C5,Va
Hefty	H5862	VT2P	N	108	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6042 RIB	VT2P	Y	110	HC
Hefty	H6064	STX	N	110	HC
Hoegemeyer	7858AM	AM	Y	108	Lum, L1
Hoegemeyer	8110AM	AM	Y	111	Lum, L1
Hoegemeyer	8125AM	AM	Y	111	Lum, L1
Integra	5704 SSSPRO	STXP	Y	107	AC,P5V
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 STXRIB	STX	Y	110	AC,P5V,SU+Zn
Kruger	K0783DP	VT2P	Y	107	AC,P5V
Kruger	K0915DD	VT2PDG	Y	109	AC,P5V
Kruger	K0957SP	STXP	Y	109	AC,P5V
Kruger	K1139SS	STX	Y	111	AC,P5V
Kruger	K1191DT	TRE	Y	111	AC,P5V
LG Seeds	LG58C48VT2PRIB	VT2P	Y	108	AC, PV
LG Seeds	LG58C73-3110	3110	N	108	Treated
Miller Hybrids	M08-49PC	PC	N	108	MSC
Miller Hybrids	M09-63	CONV	N	109	MSC
Miller Hybrids	M10-74	CONV	N	110	Lum, L1
Pioneer	P0622Q CK	QR	Y	106	Lum, L1
Pioneer	P0953AM GC	AM	Y	109	Lum, L1
Pioneer	P1164AM GC	AM	Y	111	Lum, L1
Pioneer	P1185AM GC	AM	Y	111	Lum, L1
Prairie Hybrids	5851	CONV	N	109	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Prairie Hybrids	5883	CONV	N	109	MQ
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V
Titan Pro	30-10	CONV	N	110	CM,C2,Vi,Va
Titan Pro	31-10 PCE	PCE	N	110	CM,C2,Vi,Va
Titan Pro	39-08 PCE	PCE	N	108	CM,C2,Vi,Va
Viking Blue River	85-09	CONV	U	109	CM,C2,Sb
Wyffels	W5019	STXP	N	107	AC,P5
Wyffels	W5406	VT2P	N	108	AC,P5
Wyffels	W6215	TRE	N	109	CM,C2,Vi,Va
Wyffels	W6886	VT2P	N	111	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

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
PC	PowerCore®
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
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,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
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC, PV	Acceleron Unspecified, Poncho, Votivo
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
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®
HC	Hefty Complete
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
MQ	Maxim Quattro
MSC	Miller Hybrids ShieldCoat™ with Vertex
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2023 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] PAULLINA, IA

Mark Hibbing, O'Brien County, IA 51046

Early-Season Test	101 - 106 Day CRM B2023IANW01a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybeans / Sonic, 2,4-D Lv6, Enlist One
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, high K, 5.4 pH, 4.8% OM, 23.5 CEC
PEST MANAGEMENT:	Cadence, Balance Flexx, Atrazine 4l
FERTILITY - Applied N:	170 Spring
Applied N-P-K (units):	170-60-80
SEEDED - RATE - ROW:	May 10 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 20 32.8 /A

TEST COMMENTS:

The dry season in O'Brien County revealed big differences in soil types between farms and within fields. Dry sub-soil pockets showed themselves this year and the impact on plant vigor was very noticeable in plant height, ear size and stalk diameter. An unforeseen gradient of soil water holding capacity was present between the different tests and caused more variability than expected. Affected replications were removed due to yield inconsistencies caused by small pockets of stressed and barren plants. Like the rest of northern Iowa, corn yields in O'Brien County followed the roller coaster of erratic weather. Fields that experienced regular rainfall had near-record yields. On the other hand, fields that missed the pop-up showers were well short of average yield expectations.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Integra	5443 DGVT2PRIB ↗	VT2PDG	104	181.6	20.7	1	32.9	794	1
Hoegemeyer	7329AM ↗	AM	103	174.3	19.1	1	35.8	774	2
Augusta	A2154 ↗	CONV	104	173.2	19.4	1	33.9	766	3
Renk	RK625DGVT2P ↗	VT2PDG	104	172.2	19.7	1	30.8	760	5
DeKalb	DKC105-33RIB GC ↗	STXP	105	172.0	20.6	1	31.8	753	6
Wyffels	W3576RIB ↗	VT2P	103	172.0	18.9	1	35.8	764	4
DeKalb	DKC56-65RIB GC ↗	STX	106	167.1	20.0	1	33.8	736	7
Cornelius	C6472TRE ↗	TRE	104	165.2	18.8	1	31.9	735	8
Wyffels	W3309 ↗	STXP	103	163.5	19.2	1	31.9	724	9
Viking Blue River	84-05 ↗	CONV	105	163.2	19.1	1	33.9	724	10
Titan Pro	34-04 DG2P ↗	VT2PDG	104	162.5	19.1	1	33.8	721	11
LG Seeds	LG52C42VT2RIB ↗	VT2P	102	162.0	21.3	1	31.9	704	16
DeKalb	DKC52-99RIB GC ↗	TRE	102	160.9	18.9	1	33.8	715	12
Wyffels	W4025RIB ↗	TRE	105	160.9	19.2	1	33.9	713	13
Cornelius	C6384TRE ↗	TRE	103	160.5	19.7	1	32.9	708	15
Dyna-Gro	D45SP33RIB ↗	STXP	105	159.9	19.0	1	33.8	710	14
FS InVision	FS 5125L1A EZR ↗	AA	101	157.9	19.3	1	29.9	699	18
Kruger	K0151SP ↗	STXP	101	157.5	18.9	1	34.8	700	17
Renk	RK628VT2P ↗	VT2P	102	157.5	19.3	1	33.8	697	19
Kruger	K0377SS ↗	STX	103	157.1	19.7	1	33.8	693	22
Wyffels	W2629 ↗	STXP	101	156.3	18.6	1	34.8	696	20
Miller Hybrids	RX03-47 ↗	CONV	103	155.9	18.7	3	33.8	694	21
Wyffels	W2595 ↗	TRE	101	155.1	19.3	1	34.8	687	23
Hefty	H5442 ↗	VT2P	104	154.7	18.9	1	31.9	687	24
Prairie Hybrids	3051ORG ↗	CONV	105	154.1	19.9	1	32.8	679	28
Viking Blue River	46-02 ↗	CONV	102	154.0	19.2	1	32.9	682	26
Renk	RK707TRE ↗	TRE	105	153.6	21.5	1	32.8	667	29
Hoegemeyer	7478AM ↗	AM	104	153.6	18.6	1	33.9	684	25
Augusta	A1954 PCE ↗	PCE	104	153.0	19.0	1	35.8	680	27
DeKalb	DKC101-33RIB GC ↗	STXP	101	148.7	17.9	1	34.8	667	30
PIONEER	P0622Q CK	QR	106	146.2	21.3	1	30.9	636	35
				Averages =	145.5	20.0	1	32.8	641
				LSD (0.10) =	22.8	1.0	ns		
				LSD (0.25) =	11.9	0.5	ns		
				C.V. =	12.1	Historic yield: 191.1 bu/a, 19 yr(s)			

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.60

Report Date: 10/21/2023

† 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

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Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2023 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] PAULLINA, IA

Mark Hibbing, O'Brien County, IA 51046

Full-Season Test	107 - 111 Day CRM B2023IANW01b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybeans / Sonic, 2,4-D Lv6, Enlist One
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, high K, 5.4 pH, 4.8% OM, 23.5 CEC
PEST MANAGEMENT:	Cadence, Balance Flexx, Atrazine 4l
FERTILITY - Applied N:	170 Spring
Applied N-P-K (units):	170-60-80
SEEDED - RATE - ROW:	May 10 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 20 32.3 /A

TEST COMMENTS:

The dry season in O'Brien County revealed big differences in soil types between farms and within fields. Dry sub-soil pockets showed themselves this year and the impact on plant vigor was very noticeable in plant height, ear size and stalk diameter. An unforeseen gradient of soil water holding capacity was present between the different tests and caused more variability than expected. Affected replications were removed due to yield inconsistencies caused by small pockets of stressed and barren plants. Like the rest of northern Iowa, corn yields in O'Brien County followed the roller coaster of erratic weather. Fields that experienced regular rainfall had near-record yields. On the other hand, fields that missed the pop-up showers were well short of average yield expectations.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Integra	6061 STXRIB ↗	STX	110	204.4	24.5	1	31.9	862	1
Miller Hybrids	M10-74 ↗	CONV	110	192.3	24.0	1	32.9	815	3
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	191.6	23.9	1	30.9	814	4
Cornelius	C7021DP ↗	VT2P	110	188.9	23.7	1	31.9	804	5
Wyffels	W5019 ↗	STXP	107	188.1	20.2	1	31.8	826	2
Hefty	H6064 ↗	STX	110	183.0	24.3	1	36.8	773	6
Kruger	K1191DT ↗	TRE	111	182.1	24.0	1	33.8	772	7
Wyffels	W5406 ↗	VT2P	108	179.3	23.0	1	33.9	767	8
Wyffels	W6886 ↗	VT2P	111	178.6	23.9	1	30.9	758	9
Integra	5704 SSSPRO ↗	STXP	107	176.0	22.5	1	34.8	757	10
Kruger	K1139SS ↗	STX	111	175.0	23.5	1	30.9	745	13
Dyna-Gro	D50VC09RIB ↗	VT2P	110	173.2	22.2	1	32.8	747	11
DeKalb	DKC110-10RIB GC ↗	STX	110	172.7	22.2	1	32.8	745	14
FS InVision	FS 6025X RIB ↗	STX	110	172.6	24.7	1	31.9	727	17
DeKalb	DKC59-82RIB GC ↗	VT2P	109	170.1	22.7	1	30.9	730	15
Hoegemeyer	8125AM ↗	AM	111	170.0	22.7	1	31.8	729	16
Kruger	K0783DP ↗	VT2P	107	169.3	19.8	1	31.9	747	12
Hefty	H6042 RIB ↗	VT2P	110	169.1	23.7	1	29.9	719	19
DeKalb	DKC107-33RIB GC ↗	STXP	107	167.2	21.6	1	34.8	725	18
FS InVision	FS 6017V RIB ↗	VT2P	110	164.4	21.6	1	28.9	713	20
Wyffels	W6215 ↗	TRE	109	163.9	22.9	1	32.9	702	21
Integra	5802 VT2PRIB ↗	VT2P	108	161.6	22.2	1	34.8	697	23
Pioneer	P0953AM GC ↗	AM	109	160.4	21.3	1	35.8	698	22
Hoegemeyer	8110AM ↗	AM	111	157.5	23.6	1	30.9	670	27
Renk	RK773TRE ↗	TRE	109	157.4	22.9	1	32.8	674	24
Renk	RK766SSPRO ↗	STXP	109	157.1	23.3	1	28.9	671	26
Hefty	H5862 ↗	VT2P	108	156.8	23.5	1	34.8	668	28
Kruger	K0915DD ↗	VT2PDG	109	156.3	22.5	1	33.8	672	25
Dyna-Gro	D49VC53RIB ↗	VT2P	109	156.1	23.1	3	33.8	667	29
Pioneer	P1164AM GC ↗	AM	111	154.0	22.3	1	31.9	663	30
PIONEER	P0622Q CK	QR	106	151.3	21.1	1	29.9	659	34
				Averages =	156.4	22.7	1	32.3	671
				LSD (0.10) =	22.8	1.0	ns		
				LSD (0.25) =	11.9	0.5	ns		
				C.V. =	11.2	Historic yield: 191.1 bu/a, 19 yr(s)			

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$4.60

Report Date: 10/21/2023

† 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

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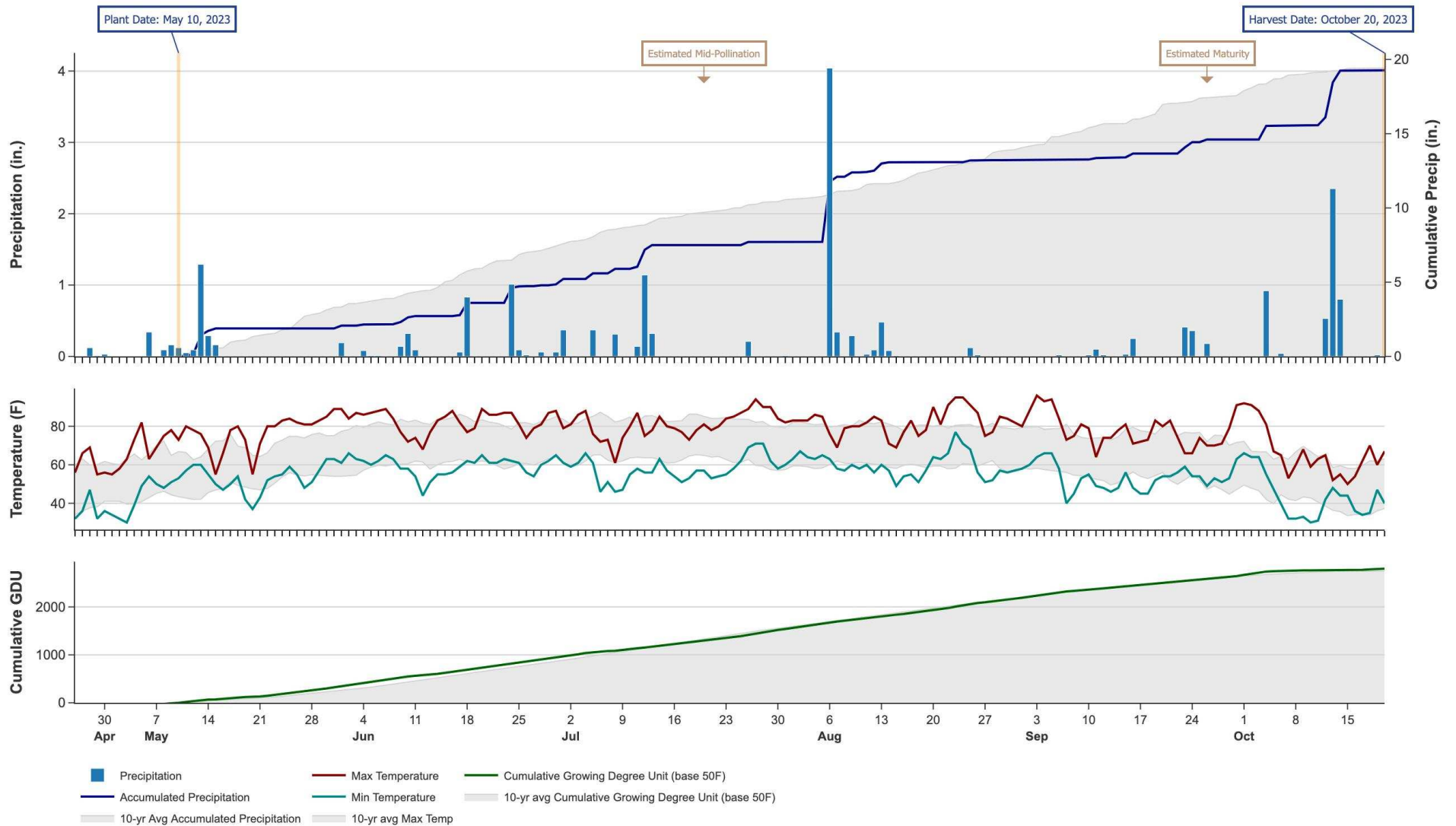
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2023 Corn - Iowa Northwest [IANW]

Weather Conditions Summary at PAULLINA, IA

Weather Data Retrieved: 10/21/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.2 0.5 (-0.3)	2.6 4.7 (-2.1)	3.0 4.1 (-1.2)	2.9 3.1 (-0.3)	5.5 3.4 (+2.1)	1.4 3.6 (-2.2)	4.7 1.9 (+2.8)	20.1 21.3 (-1.2)
GDU Avg (Diff)	18 5 (+12)	408 312 (+95)	626 629 (-3)	591 704 (-113)	632 621 (+10)	472 451 (+20)	154 104 (+49)	2901 2829 (+71)



* 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 - Iowa Northwest [IANW]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1954 PCE	PCE	N	104	CM,C2
Augusta	A1956-PWE	PCE	N	106	AC,P5V
Augusta	A2154	CONV	N	104	CM,C2
Blue River	49M23	CONV	U	103	Treated
Cornelius	C6384TRE	TRE	N	103	AC,P5V,EDC-EL
Cornelius	C6472TRE	TRE	N	104	AC,P5V,EDC-B
DeKalb	DKC101-33RIB GC	STXP	Y	101	AC,P5V,EDC-EL
DeKalb	DKC105-33RIB GC	STXP	Y	105	AC,P5V,EDC-EL
DeKalb	DKC52-18RIB GC	STX	Y	102	AC,P5V,EDC-EL
DeKalb	DKC52-99RIB GC	TRE	Y	102	AC,P5V,EDC-EL
DeKalb	DKC56-65RIB GC	STX	Y	106	AC,P5V,EDC-EL
DenBesten	DB32-02	CONV	N	102	CM,C2,Vi
DenBesten	DB33-05	CONV	N	105	CM,C2,Vi
DenBesten	DB34-06	CONV	N	106	CM,C2,Vi
Dyna-Gro	D41TC74RIB	TRE	Y*	101	AC,P5V
Dyna-Gro	D44DC73RIB	VT2PDG	Y	104	AC,P5V
Dyna-Gro	D45SP33RIB	STXP	Y	105	AC,P5V
FS InVision	FS 5125L1A EZR	AA	Y	101	AC,P5V,EDC-EL
FS InVision	FS 5335P RIB	STXP	Y	103	AC,P5V,EDC-EL
FS InVision	FS 5525VDG RIB	VT2PDG	Y	105	AC,P5V,EDC-EL
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V,EDC-EL
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Golden Harvest	G06A27-D	D	Y	106	AVC,C1,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
Hoegemeyer	7329AM	AM	Y	103	Lum, L1
Hoegemeyer	7478AM	AM	Y	104	Lum, L1
Hoegemeyer	7549Q	QR	Y	105	Lum, L1
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V,SU+Zn
Integra	5584 PWE	PCE	N	105	AC,P5V
Kruger	K0151SP	STXP	Y	101	AC,P5V
Kruger	K0377SS	STX	Y	103	AC,P5V
Kruger	K0475SP	STXP	Y	104	AC,P5V
Kruger	K0551DP	VT2P	Y	105	AC,P5V
LG Seeds	LG51C62VT2RIB	VT2P	Y	101	Treated
LG Seeds	LG52C42VT2RIB	VT2P	Y	102	Treated
Miller Hybrids	M06-62	CONV	N	106	MSC
Miller Hybrids	RX03-47	CONV	N	103	MSC
Pioneer	P0339Q GC	QR	Y	103	Lum, L1
Pioneer	P0622Q CK	QR	Y	106	Lum, L1

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Prairie Hybrids	3051ORG	CONV	N	105	CM,C2,Vi,Va
Prairie Hybrids	4470	CONV	N	106	MQ
Renk	RK625DGV2P	VT2PDG	N	104	AC,P2
Renk	RK628VT2P	VT2P	N	102	AC,P5V,B300
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK707TRE	TRE	N	105	AC,P5V,B300
Renk	RK720TRE	TRE	N	106	AC,P2
Titan Pro	32-06 SSP	STXP	Y	106	AC,P5V
Titan Pro	34-04 DG2P	VT2PDG	Y	104	AC,P2
Titan Pro	36-06	CONV	N	106	CM,C2,Vi,Va
Viking Blue River	46-02	CONV	N	102	CM,C2,Sb
Viking Blue River	72-06	CONV	N	106	CM,C2,Sb
Viking Blue River	84-05	CONV	N	105	CM,C2,Sb
Wyffels	W2595	TRE	N	101	AC,P5
Wyffels	W2629	STXP	N	101	AC,P5
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

* 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 - Iowa Northwest [IANW]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Cornelius	C7021DP	VT2P	N	110	CM,C2,Vi,Va
Cornelius	C7048SSP	STXP	N	110	AC,P5V,EDC-EL
DeKalb	DKC107-33RIB GC	STXP	Y	107	AC,P5V,EDC-EL
DeKalb	DKC108-64RIB GC	STXP	Y	108	AC,P5V,EDC-EL
DeKalb	DKC110-10RIB GC	STX	Y	110	AC,P5V,EDC-EL
DeKalb	DKC59-82RIB GC	VT2P	Y	109	AC,P5V,EDC-EL
DenBesten	DB32-07	CONV	N	107	CM,C2,Vi
DenBesten	DB33-08	CONV	N	108	CM,C2,Vi
Dyna-Gro	D49VC53RIB	VT2P	Y*	109	AC,P5V
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
FS InVision	FS 5935X RIB	STX	Y	109	AC,P5V,EDC-EL
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6133VDG RIB	VT2PDG	Y	111	AC,P5V,EDC-EL
FS InVision	FS 6137PC	PCE	N	111	CM,C2,Vi,Va
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G11V76-AA	AA	Y	111	CM,C5,Va
Hefty	H5862	VT2P	N	108	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6042 RIB	VT2P	Y	110	HC
Hefty	H6064	STX	N	110	HC
Hoegemeyer	7858AM	AM	Y	108	Lum, L1
Hoegemeyer	8110AM	AM	Y	111	Lum, L1
Hoegemeyer	8125AM	AM	Y	111	Lum, L1
Integra	5704 SSSPRO	STXP	Y	107	AC,P5V
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 STXRIB	STX	Y	110	AC,P5V,SU+Zn
Kruger	K0783DP	VT2P	Y	107	AC,P5V
Kruger	K0915DD	VT2PDG	Y	109	AC,P5V
Kruger	K0957SP	STXP	Y	109	AC,P5V
Kruger	K1139SS	STX	Y	111	AC,P5V
Kruger	K1191DT	TRE	Y	111	AC,P5V
LG Seeds	LG58C48VT2PRIB	VT2P	Y	108	AC, PV
LG Seeds	LG58C73-3110	3110	N	108	Treated
Miller Hybrids	M08-49PC	PC	N	108	MSC
Miller Hybrids	M09-63	CONV	N	109	MSC
Miller Hybrids	M10-74	CONV	N	110	Lum, L1
Pioneer	P0622Q CK	QR	Y	106	Lum, L1
Pioneer	P0953AM GC	AM	Y	109	Lum, L1
Pioneer	P1164AM GC	AM	Y	111	Lum, L1
Pioneer	P1185AM GC	AM	Y	111	Lum, L1
Prairie Hybrids	5851	CONV	N	109	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Prairie Hybrids	5883	CONV	N	109	MQ
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V
Titan Pro	30-10	CONV	N	110	CM,C2,Vi,Va
Titan Pro	31-10 PCE	PCE	N	110	CM,C2,Vi,Va
Titan Pro	39-08 PCE	PCE	N	108	CM,C2,Vi,Va
Viking Blue River	85-09	CONV	U	109	CM,C2,Sb
Wyffels	W5019	STXP	N	107	AC,P5
Wyffels	W5406	VT2P	N	108	AC,P5
Wyffels	W6215	TRE	N	109	CM,C2,Vi,Va
Wyffels	W6886	VT2P	N	111	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

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
PC	PowerCore®
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
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,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
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC, PV	Acceleron Unspecified, Poncho, Votivo
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
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®
HC	Hefty Complete
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
MQ	Maxim Quattro
MSC	Miller Hybrids ShieldCoat™ with Vertex
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2023 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] SIOUX CENTER, IA
Chris Vander Brink, Sioux County, IA

Early-Season Test	101 - 106 Day CRM B2023IANW03a
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Dicamba, Roundup Powermax
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 6.2 pH, 4.2% OM, 22.5 CEC
PEST MANAGEMENT:	Harness Max
FERTILITY - Applied N:	325 Fall, Fall applied hog manure analysis (325-157-246)
Applied N-P-K (units):	325-157-246
SEEDED - RATE - ROW:	Apr 26 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 25 33.9 /A

TEST COMMENTS:

Most of Sioux County has remained in a moderate drought for the entire season, however, rainfall has been timely on this farm. With the exception of a large storm that dumped 6.5" on Aug 6, showers through the remainder of the season were small but just enough to allow the plants to form large ears and deep kernels. July was cool and dry which likely reduced foliar disease development during reproductive stages. Chris did not notice excessive pressure of any kind. Corn was standing well at harvest with very little lodging observed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Kruger	K0551DP ↗	VT2P	105	285.9	17.6	2	35.2	1285	1
Prairie Hybrids	3051ORG ↗	CONV	105	284.7	17.9	1	33.9	1277	2
Dyna-Gro	D45SP33RIB ↗	STXP	105	284.3	18.0	1	35.8	1273	3
Titan Pro	32-06 SSP ↗	STXP	106	282.6	18.3	1	33.9	1263	4
Renk	RK703PWE ↗	PCE	106	280.2	18.0	1	34.8	1255	5
Renk	RK625DGV2P ↗	VT2PDG	104	278.4	18.0	1	34.5	1248	6
Hefty	H5674 ↗	STXP	106	278.0	18.1	2	33.8	1245	7
Viking Blue River	46-02 ↗	CONV	102	275.9	17.6	1	33.9	1241	9
DeKalb	DKC105-33RIB GC ↗	STXP	105	275.9	17.5	1	34.5	1242	8
Wyffels	W3576RIB ↗	VT2P	103	273.3	17.7	2	33.9	1228	10
FS InVision	FS 5335P RIB ↗	STXP	103	272.0	17.4	1	31.9	1225	11
Renk	RK628VT2P ↗	VT2P	102	269.4	17.5	2	34.5	1212	12
Renk	RK707TRE ↗	TRE	105	269.3	17.6	4	33.9	1211	13
Prairie Hybrids	4470 ↗	CONV	106	268.9	17.8	1	33.9	1207	14
DenBesten	DB34-06 ↗	CONV	106	268.1	18.3	1	30.6	1198	15
Kruger	K0377SS ↗	STX	103	267.6	18.1	1	33.2	1198	16
Wyffels	W4025RIB ↗	TRE	105	266.2	17.6	1	33.9	1197	17
Renk	RK720TRE ↗	TRE	106	266.0	17.6	1	31.9	1196	18
Viking Blue River	84-05 ↗	CONV	105	265.2	17.6	1	35.2	1192	19
Titan Pro	36-06 ↗	CONV	106	264.8	17.9	1	29.9	1188	20
Golden Harvest	G06A27-D ↗	D	106	264.4	18.4	1	37.1	1180	24
Golden Harvest	G03B19-AA ↗	AA	103	263.9	17.9	1	33.2	1183	21
LG Seeds	LG51C62VT2RIB ↗	VT2P	101	263.5	17.9	1	34.5	1182	22
Augusta	A1954 PCE ↗	PCE	104	262.5	17.6	2	32.6	1181	23
Cornelius	C6384TRE ↗	TRE	103	261.5	17.5	2	34.5	1177	25
Miller Hybrids	M06-62 ↗	CONV	106	261.5	18.0	1	34.8	1171	27
Hoegemeyer	7549Q ↗	QR	105	260.6	18.1	1	34.5	1167	28
DeKalb	DKC52-99RIB GC ↗	TRE	102	260.6	17.3	1	33.9	1174	26
Cornelius	C6472TRE ↗	TRE	104	259.0	17.8	3	33.8	1162	29
Integra	5443 DGV2PRIB ↗	VT2PDG	104	258.0	17.5	1	33.2	1161	30
PIONEER	P0622Q CK	QR	106	246.6	17.9	1	30.6	1105	46
				Averages =	256.0	17.7	1	33.9	1150
				LSD (0.10) =	17.3	0.3	1		
				LSD (0.25) =	9.1	0.1	1		
				C.V. =	6.4				
Corey Rozenboom				Historic yield: 233.98 bu/a, 2 yr(s)					
corey.rozenboom@firstseedtests.com, (319) 830-8886									

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Yield & Income Factors:

Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.60

Report Date: 10/26/2023

† 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

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Additional reports available at www.firstseedtests.com

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

2023 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] SIOUX CENTER, IA
Chris Vander Brink, Sioux County, IA

Full-Season Test	107 - 111 Day CRM B2023IANW03b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Dicamba, Roundup Powermax
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 6.2 pH, 4.2% OM, 22.5 CEC
PEST MANAGEMENT:	Harness Max
FERTILITY - Applied N:	325 Fall, Fall applied hog manure analysis (325-157-246)
Applied N-P-K (units):	325-157-246
SEEDED - RATE - ROW:	Apr 26 35.7 /A 30" spacing
HARVESTED - STAND:	Oct 25 34.0 /A

TEST COMMENTS:

Most of Sioux County has remained in a moderate drought for the entire season, however, rainfall has been timely on this farm. With the exception of a large storm that dumped 6.5" on Aug 6, showers through the remainder of the season were small but just enough to allow the plants to form large ears and deep kernels. July was cool and dry which likely reduced foliar disease development during reproductive stages. Chris did not notice excessive pressure of any kind. Corn was standing well at harvest with very little lodging observed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RK766SSPRO ↗	STXP	109	288.7	18.3	1	33.2	1290	1
Integra	5704 SSSPRO ↗	STXP	107	288.6	18.5	2	35.2	1288	2
Renk	RK773TRE ↗	TRE	109	281.9	18.0	1	35.2	1263	3
Integra	6061 STXRIB ↗	STX	110	279.1	19.3	2	34.5	1236	5
Hefty	H6042 RIB ↗	VT2P	110	277.0	19.2	1	33.2	1227	7
DeKalb	DKC107-33RIB GC ↗	STXP	107	276.4	18.1	1	33.2	1238	4
DeKalb	DKC108-64RIB GC ↗	STXP	108	275.2	18.5	1	34.5	1228	6
FS InVision	FS 5935X RIB ↗	STX	109	275.1	18.9	3	33.2	1223	8
FS InVision	FS 6133VDG RIB ↗	VT2PDG	111	274.1	19.4	1	33.2	1213	10
Pioneer	P1164AM GC ↗	AM	111	272.9	18.3	1	35.2	1219	9
DeKalb	DKC110-10RIB GC ↗	STX	110	270.9	18.8	1	35.2	1205	13
Cornelius	C7048SSP ↗	STXP	110	270.3	18.2	2	31.9	1208	12
Integra	5802 VT2PRIB ↗	VT2P	108	270.0	17.8	1	35.2	1211	11
Wyffels	W5406 ↗	VT2P	108	270.0	19.2	2	33.2	1197	15
Pioneer	P1185AM GC ↗	AM	111	269.3	19.2	1	33.9	1193	17
Miller Hybrids	M10-74 ↗	CONV	110	268.9	20.1	2	35.8	1182	23
Pioneer	P0953AM GC ↗	AM	109	268.8	18.6	1	33.9	1198	14
DeKalb	DKC59-82RIB GC ↗	VT2P	109	267.8	18.3	1	35.2	1196	16
Prairie Hybrids	5851 ↗	CONV	109	267.6	19.2	1	33.2	1186	18
FS InVision	FS 6025X RIB ↗	STX	110	266.7	18.9	1	31.2	1186	19
Kruger	K1139SS ↗	STX	111	266.7	19.1	2	35.2	1183	21
Hefty	H5862 ↗	VT2P	108	265.7	18.9	4	34.5	1181	24
Cornelius	C7021DP ↗	VT2P	110	265.1	19.3	2	33.9	1174	26
Golden Harvest	G10B61-AA ↗	AA	110	264.9	18.3	1	31.9	1183	22
Kruger	K0915DD ↗	VT2PDG	109	264.7	18.2	3	34.5	1184	20
Hoegemeyer	8110AM ↗	AM	111	264.1	18.7	1	35.8	1176	25
Hefty	H6064 ↗	STX	110	263.0	18.7	2	33.9	1171	27
Miller Hybrids	M08-49PC ↗	PC	108	259.8	18.7	1	33.9	1157	28
Renk	RK811PWE ↗	PCE	111	257.2	18.3	1	34.5	1150	29
FS InVision	FS 6137PC ↗	PCE	111	256.8	18.4	1	34.5	1146	30
PIONEER	P0622Q CK	QR	106	244.8	18.0	1	32.5	1097	43
				Averages =	258.7	18.6	1	34.0	1131
				LSD (0.10) =	16.9	0.5	ns		
				LSD (0.25) =	8.9	0.2	ns		
				C.V. =	6.2				
				Historic yield: 233.98 bu/a, 2 yr(s)					

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$4.60

Report Date: 10/26/2023

† 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

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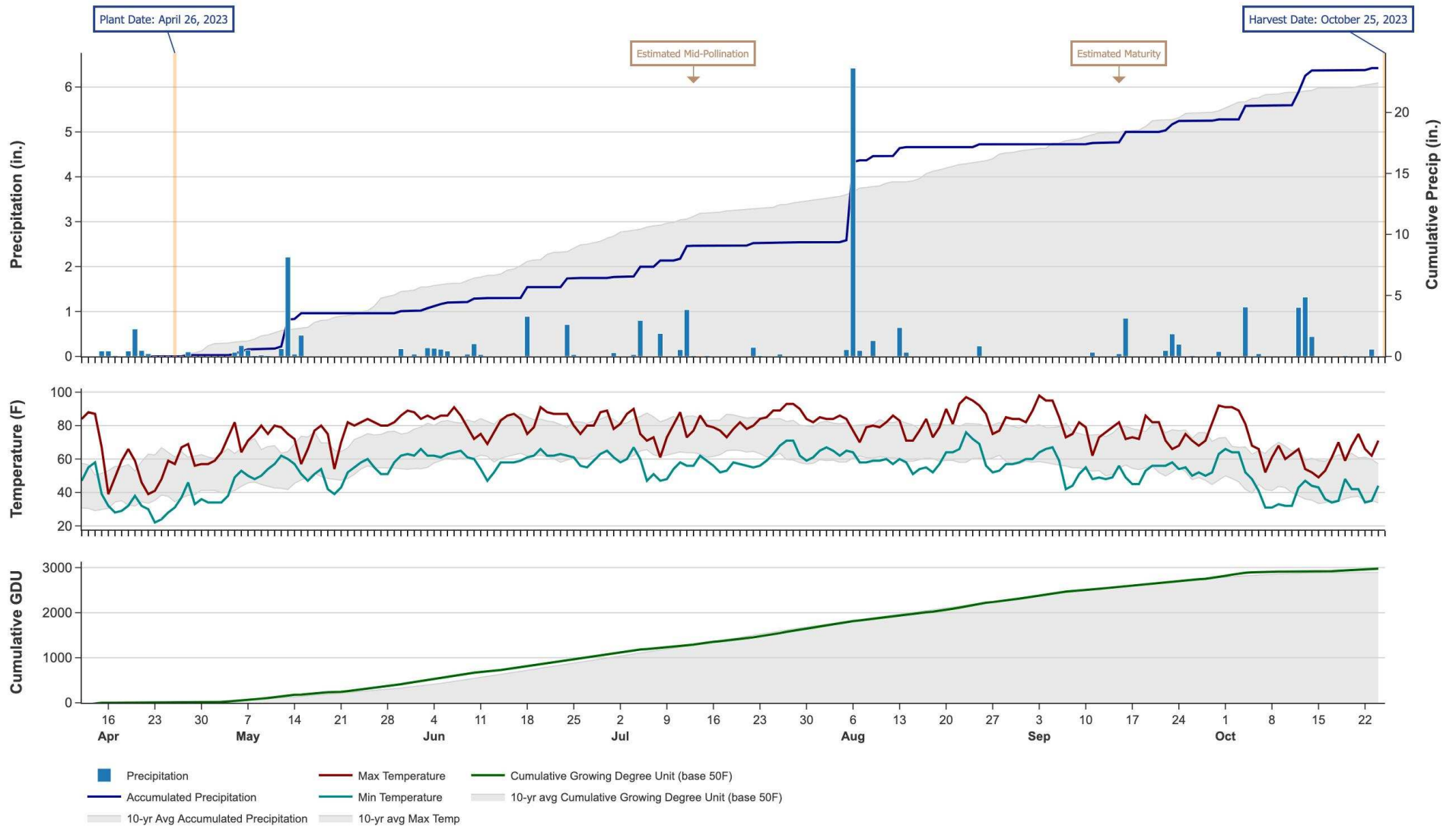
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2023 Corn - Iowa Northwest [IANW]

Weather Conditions Summary at SIOUX CENTER, IA

Weather Data Retrieved: 10/26/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.3 1.5 (-0.3)	3.6 5.0 (-1.4)	2.7 4.3 (-1.6)	2.9 3.1 (-0.2)	8.0 4.0 (+4.0)	2.0 3.3 (-1.3)	4.2 2.3 (+1.9)	24.8 23.5 (+1.3)
GDU Avg (Diff)	86 34 (+51)	420 321 (+98)	638 642 (-4)	594 711 (-117)	643 628 (+14)	480 461 (+18)	183 107 (+75)	3044 2908 (+135)



* 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 - Iowa Northwest [IANW]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1954 PCE	PCE	N	104	CM,C2
Augusta	A1956-PWE	PCE	N	106	AC,P5V
Augusta	A2154	CONV	N	104	CM,C2
Blue River	49M23	CONV	U	103	Treated
Cornelius	C6384TRE	TRE	N	103	AC,P5V,EDC-EL
Cornelius	C6472TRE	TRE	N	104	AC,P5V,EDC-B
DeKalb	DKC101-33RIB GC	STXP	Y	101	AC,P5V,EDC-EL
DeKalb	DKC105-33RIB GC	STXP	Y	105	AC,P5V,EDC-EL
DeKalb	DKC52-18RIB GC	STX	Y	102	AC,P5V,EDC-EL
DeKalb	DKC52-99RIB GC	TRE	Y	102	AC,P5V,EDC-EL
DeKalb	DKC56-65RIB GC	STX	Y	106	AC,P5V,EDC-EL
DenBesten	DB32-02	CONV	N	102	CM,C2,Vi
DenBesten	DB33-05	CONV	N	105	CM,C2,Vi
DenBesten	DB34-06	CONV	N	106	CM,C2,Vi
Dyna-Gro	D41TC74RIB	TRE	Y*	101	AC,P5V
Dyna-Gro	D44DC73RIB	VT2PDG	Y	104	AC,P5V
Dyna-Gro	D45SP33RIB	STXP	Y	105	AC,P5V
FS InVision	FS 5125L1A EZR	AA	Y	101	AC,P5V,EDC-EL
FS InVision	FS 5335P RIB	STXP	Y	103	AC,P5V,EDC-EL
FS InVision	FS 5525VDG RIB	VT2PDG	Y	105	AC,P5V,EDC-EL
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V,EDC-EL
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Golden Harvest	G06A27-D	D	Y	106	AVC,C1,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
Hoegemeyer	7329AM	AM	Y	103	Lum, L1
Hoegemeyer	7478AM	AM	Y	104	Lum, L1
Hoegemeyer	7549Q	QR	Y	105	Lum, L1
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V,SU+Zn
Integra	5584 PWE	PCE	N	105	AC,P5V
Kruger	K0151SP	STXP	Y	101	AC,P5V
Kruger	K0377SS	STX	Y	103	AC,P5V
Kruger	K0475SP	STXP	Y	104	AC,P5V
Kruger	K0551DP	VT2P	Y	105	AC,P5V
LG Seeds	LG51C62VT2RIB	VT2P	Y	101	Treated
LG Seeds	LG52C42VT2RIB	VT2P	Y	102	Treated
Miller Hybrids	M06-62	CONV	N	106	MSC
Miller Hybrids	RX03-47	CONV	N	103	MSC
Pioneer	P0339Q GC	QR	Y	103	Lum, L1
Pioneer	P0622Q CK	QR	Y	106	Lum, L1

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Prairie Hybrids	3051ORG	CONV	N	105	CM,C2,Vi,Va
Prairie Hybrids	4470	CONV	N	106	MQ
Renk	RK625DGV2P	VT2PDG	N	104	AC,P2
Renk	RK628VT2P	VT2P	N	102	AC,P5V,B300
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK707TRE	TRE	N	105	AC,P5V,B300
Renk	RK720TRE	TRE	N	106	AC,P2
Titan Pro	32-06 SSP	STXP	Y	106	AC,P5V
Titan Pro	34-04 DG2P	VT2PDG	Y	104	AC,P2
Titan Pro	36-06	CONV	N	106	CM,C2,Vi,Va
Viking Blue River	46-02	CONV	N	102	CM,C2,Sb
Viking Blue River	72-06	CONV	N	106	CM,C2,Sb
Viking Blue River	84-05	CONV	N	105	CM,C2,Sb
Wyffels	W2595	TRE	N	101	AC,P5
Wyffels	W2629	STXP	N	101	AC,P5
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

* 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 - Iowa Northwest [IANW]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Cornelius	C7021DP	VT2P	N	110	CM,C2,Vi,Va
Cornelius	C7048SSP	STXP	N	110	AC,P5V,EDC-EL
DeKalb	DKC107-33RIB GC	STXP	Y	107	AC,P5V,EDC-EL
DeKalb	DKC108-64RIB GC	STXP	Y	108	AC,P5V,EDC-EL
DeKalb	DKC110-10RIB GC	STX	Y	110	AC,P5V,EDC-EL
DeKalb	DKC59-82RIB GC	VT2P	Y	109	AC,P5V,EDC-EL
DenBesten	DB32-07	CONV	N	107	CM,C2,Vi
DenBesten	DB33-08	CONV	N	108	CM,C2,Vi
Dyna-Gro	D49VC53RIB	VT2P	Y*	109	AC,P5V
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
FS InVision	FS 5935X RIB	STX	Y	109	AC,P5V,EDC-EL
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6133VDG RIB	VT2PDG	Y	111	AC,P5V,EDC-EL
FS InVision	FS 6137PC	PCE	N	111	CM,C2,Vi,Va
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G11V76-AA	AA	Y	111	CM,C5,Va
Hefty	H5862	VT2P	N	108	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6042 RIB	VT2P	Y	110	HC
Hefty	H6064	STX	N	110	HC
Hoegemeyer	7858AM	AM	Y	108	Lum, L1
Hoegemeyer	8110AM	AM	Y	111	Lum, L1
Hoegemeyer	8125AM	AM	Y	111	Lum, L1
Integra	5704 SSSPRO	STXP	Y	107	AC,P5V
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 STXRIB	STX	Y	110	AC,P5V,SU+Zn
Kruger	K0783DP	VT2P	Y	107	AC,P5V
Kruger	K0915DD	VT2PDG	Y	109	AC,P5V
Kruger	K0957SP	STXP	Y	109	AC,P5V
Kruger	K1139SS	STX	Y	111	AC,P5V
Kruger	K1191DT	TRE	Y	111	AC,P5V
LG Seeds	LG58C48VT2PRIB	VT2P	Y	108	AC, PV
LG Seeds	LG58C73-3110	3110	N	108	Treated
Miller Hybrids	M08-49PC	PC	N	108	MSC
Miller Hybrids	M09-63	CONV	N	109	MSC
Miller Hybrids	M10-74	CONV	N	110	Lum, L1
Pioneer	P0622Q CK	QR	Y	106	Lum, L1
Pioneer	P0953AM GC	AM	Y	109	Lum, L1
Pioneer	P1164AM GC	AM	Y	111	Lum, L1
Pioneer	P1185AM GC	AM	Y	111	Lum, L1
Prairie Hybrids	5851	CONV	N	109	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Prairie Hybrids	5883	CONV	N	109	MQ
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V
Titan Pro	30-10	CONV	N	110	CM,C2,Vi,Va
Titan Pro	31-10 PCE	PCE	N	110	CM,C2,Vi,Va
Titan Pro	39-08 PCE	PCE	N	108	CM,C2,Vi,Va
Viking Blue River	85-09	CONV	U	109	CM,C2,Sb
Wyffels	W5019	STXP	N	107	AC,P5
Wyffels	W5406	VT2P	N	108	AC,P5
Wyffels	W6215	TRE	N	109	CM,C2,Vi,Va
Wyffels	W6886	VT2P	N	111	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

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
PC	PowerCore®
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
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,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
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC, PV	Acceleron Unspecified, Poncho, Votivo
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
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®
HC	Hefty Complete
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
MQ	Maxim Quattro
MSC	Miller Hybrids ShieldCoat™ with Vertex
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.

2023 Corn Grain Top 30 Region Summary for Minnesota Southeast [MNSE]

Ultra Early-Season Test

92 - 96 Day CRM

B2023MNSEu

Top 30 of 40

For Gross Income (Sorted by Yield), (18) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Cannon Falls	Dexter	Eyota	Kasson	Nerstrand	New Richland
PRAIRIE HYBRIDS	591ORG ↗	CONV	95	223.9	17.0	0	1045	1	279.0	173.9	214.6	249.0	183.8	243.4
DENBESTEN	DB34-92 ↗	CONV	92	223.2	16.8	0	1043	2	272.4	185.6	205.9	241.6	186.9	246.8
TITAN PRO	38-96 ↗	CONV	96	223.1	16.9	1	1042	3	274.8	181.3	215.6	224.0	188.7	254.2
TITAN PRO	28-96 PCE ↗	PCE	96	222.5	17.3	1	1035	4	278.8	173.0	210.7	229.9	182.9	259.5
PIONEER	P96760Q GC ↗	QR	96	221.2	17.0	0	1032	5	283.0	164.8	208.7	250.7	200.6	219.4
ENESTVEDT	E654 ↗	CONV	96	219.4	16.9	1	1024	6	280.9	171.4	203.4	232.0	195.4	233.3
RENK	RK571PWE ↗	PCE	96	213.1	17.3	4	992	7	267.2	171.6	213.2	190.5	196.6	239.8
DAIRYLAND	DS-3477AM ↗	AM	94	212.9	17.3	0	991	8	256.5	174.2	205.4	248.5	170.8	222.3
NUTECH	56A8AM ↗	AM	96	209.3	17.5	0	972	10	259.6	156.5	186.0	235.8	178.9	238.8
AUGUSTA	A1943-AA ↗	AA	93	208.6	16.8	0	975	9	256.6	156.9	207.2	228.4	176.2	226.5
DAIRYLAND	DS-3599Q ↗	QR	95	208.1	17.2	0	969	11	250.3	165.8	193.2	232.3	175.4	231.3
DAIRYLAND	DS-3601AM ↗	AM	96	207.1	17.0	1	966	12	267.7	161.5	199.4	237.4	158.1	218.6
RENK	RK502SSTX ↗	STX	95	206.7	17.1	0	963	14	267.0	164.6	205.9	231.9	154.9	215.7
RENK	RK485DGV2P ↗	VT2PDG	94	206.5	16.9	0	964	13	280.8	151.7	194.0	213.2	186.3	213.0
AUGUSTA	A2545-DV ↗	DV	95	206.1	17.2	0	959	17	284.1	158.2	196.3	234.5	149.3	214.0
ANDERSON	7422 ↗	CONV	92	205.7	16.8	0	961	15	270.7	159.2	201.6	217.2	177.5	208.0
DAIRYLAND	DS-3203AM ↗	AM	92	205.6	16.8	0	961	16	262.1	161.7	200.4	235.6	157.4	216.4
THUNDER	T8496 DV ↗	DV	96	205.4	17.2	1	957	18	275.6	165.9	208.7	210.7	154.9	216.5
PIONEER	P9624Q GC ↗	QR	96	204.3	17.3	0	950	22	252.2	161.2	205.5	236.2	184.5	186.2
GOLDEN HARVEST	G92A51-AA ↗	AA	92	204.1	17.1	1	951	20	253.0	162.7	194.0	221.0	176.7	217.3
JACOBSEN	JS5044DGV2P ↗	VT2PDG	95	203.8	16.8	0	952	19	256.9	143.3	211.4	218.3	173.2	219.8
DENBESTEN	DB30-97 ↗	CONV	97	203.7	16.9	0	951	21	249.7	162.2	192.4	200.7	182.4	234.5
VIKING BLUE RIVER	42-92 ↗	CONV	92	201.0	16.8	0	938	23	256.3	157.7	200.1	216.7	152.0	222.9
AUGUSTA	A2046-DV ↗	DV	96	200.5	17.4	1	932	24	257.9	152.7	200.1	216.9	160.3	215.1
AUGUSTA	A1946-AA ↗	AA	96	199.3	17.2	0	928	25	266.5	150.7	190.9	222.4	142.1	223.5
THUNDER	T6294 VT2P ↗	VT2PDG	94	198.3	16.8	0	927	26	247.7	162.9	190.2	212.1	166.6	210.4
DYNA-GRO	D34VC93RIB ↗	VT2P	94	195.4	16.9	0	913	27	250.3	157.9	187.1	216.9	168.0	192.2
RENK	RK444VT2P ↗	VT2P	93	194.9	16.7	0	911	28	252.3	144.6	180.2	210.7	158.9	222.6
VIKING BLUE RIVER	62-93 ↗	CONV	93	194.8	17.2	1	907	29	246.6	149.2	185.2	213.1	163.8	210.6
THUNDER	T6396 VT2P ↗	VT2P	94	193.5	16.6	0	906	30	247.1	146.9	180.8	213.8	170.2	202.3



Averages =	202.9	17.0	0	946	259.1	156.9	194.2	220.4	170.6	215.7
LSD (0.10) =	8.2	0.2	1		17.0	13.7	14.6	14.2	14.2	20.3
LSD (0.25) =	4.3	0.1	1		8.9	7.2	7.7	7.5	7.4	10.6

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Prev. years average yield for region: 204.98 bu/a, 21 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.75

† 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 product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location.

Additional reports available at www.firstseedtests.com

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Report Date: 11/05/2023

2023 Corn Grain Top 30 Region Summary for Minnesota Southeast [MNSE]

Early-Season Test

97 - 102 Day CRM

B2023MNSEa

Top 30 of 66

For Gross Income (Sorted by Yield), (18) Replication Average

Company/Brand	Product/Brand	Technol. †	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Cannon Falls	Dexter	Eyota	Kasson	Nerstrand	New Richland	
DAIRYLAND	DS-4219AM ↗	AM	102	226.8	17.9	0	1049	1	294.4	156.4	228.0	252.6	204.4	224.8	
NUTECH	57B5AM ↗	AM	97	225.3	17.3	0	1048	2	277.2	155.2	209.7	262.5	210.3	236.8	
RENK	RK628VT2P ↗	VT2P	102	224.7	17.5	0	1043	3	301.3	162.6	219.0	230.7	201.6	233.1	
NUTECH	59C1AM ↗	AM	99	224.1	17.6	0	1040	5	276.3	144.7	233.3	245.1	215.6	229.6	
GOLDEN HARVEST	G98B99-AA ↗	AA	98	223.7	17.1	0	1042	4	268.2	160.1	222.1	239.6	221.9	230.1	
ROB-SEE-CO	RC4779-PCE ↗	PCE	97	223.4	17.4	2	1038	6	271.5	157.8	231.7	240.4	207.4	231.4	
NUTECH	60A4AM ↗	AM	100	222.4	17.8	0	1030	9	300.4	152.3	209.6	254.6	208.8	208.5	
LEGACY	LC494-23 ↗	PCE	99	222.2	17.7	0	1030	8	254.6	166.0	224.2	257.7	218.1	212.4	
THUNDER	T6498 PC ↗	PCE	98	221.4	17.2	1	1031	7	291.0	183.5	188.7	241.0	200.4	223.9	
DAIRYLAND	DS-3881AM ↗	AM	98	219.9	17.3	0	1023	10	280.5	157.0	190.2	240.3	226.6	224.5	
AUGUSTA	A2052-AA ↗	AA	102	216.9	18.0	0	1003	15	275.1	156.4	211.3	229.3	203.3	226.0	
DAIRYLAND	DS-3900AM ↗	AM	99	216.5	17.7	0	1003	14	286.7	149.2	198.8	253.8	197.5	212.9	
GOLDEN HARVEST	G01B63-AA ↗	AA	101	216.4	18.0	0	1000	16	267.8	151.8	203.8	254.5	179.0	241.8	
JACOBSEN	JS5206DGVT2P ↗	VT2PDG	102	216.4	17.1	0	1007	11	280.5	136.3	198.9	226.5	211.6	244.7	
ANDERSON	507R ↗	RR2	102	216.4	17.6	0	1004	13	268.7	141.9	217.1	233.7	196.4	240.6	
VIKING BLUE RIVER	24-99 ↗	CONV	99	216.2	17.3	0	1006	12	276.2	171.1	186.3	256.9	195.8	211.2	
GOLD COUNTRY	101-51RSP ↗	STXP	101	215.9	17.6	1	1000	17	286.5	137.6	213.5	251.6	194.8	211.3	
AUGUSTA	A2150-DV ↗	DV	100	214.5	18.3	0	989	20	270.4	140.1	196.7	238.9	216.8	224.3	
JACOBSEN	JS0223VT2P ↗	VT2P	102	214.5	17.5	0	995	19	283.9	150.2	200.5	240.8	199.5	212.0	
AUGUSTA	A2048-AA ↗	AA	98	214.2	17.3	1	997	18	265.2	172.2	213.6	248.7	170.0	215.6	
NUTECH	59A1Q ↗	QR	99	212.8	17.7	0	986	21	269.0	141.3	222.6	236.2	204.9	202.9	
TITAN PRO	37-97 DV ↗	DV	97	211.6	17.2	0	985	23	278.0	150.8	206.4	236.8	191.6	206.3	
NUTECH	57A4Q ↗	QR	97	211.6	17.1	0	986	22	279.9	139.0	196.0	239.7	201.8	213.0	
DAIRYLAND	DS-4003Q ↗	QR	100	211.5	17.7	0	980	25	259.9	162.3	217.4	232.6	183.5	213.2	
VIKING BLUE RIVER	46-02 ↗	CONV	102	211.2	17.6	0	979	27	267.2	147.5	210.0	235.8	196.3	210.6	
ROB-SEE-CO	RC5062-AA ↗	AA	100	210.9	17.7	0	978	30	271.6	159.9	212.2	230.3	174.2	217.2	
PIONEER	P9955Q GC ↗	QR	99	210.8	17.5	0	979	28	274.8	154.6	190.0	238.0	203.3	204.2	
GOLD COUNTRY	98-64TRE ↗	TRE	98	210.6	17.0	0	981	24	257.7	138.1	211.9	244.2	208.7	202.7	
THUNDER	T6298 VT2P ↗	VT2P	98	210.1	17.0	0	979	26	271.9	142.2	199.4	217.3	216.0	213.7	
RENK	RK590VT2P ↗	VT2P	98	209.8	17.0	1	978	29	258.3	162.8	197.7	229.4	190.9	219.6	
DEKALB	DKC51-25RIB CK	VT2P	101	192.9	16.8	0	900	64	259.3	128.7	169.6	215.2	188.9	195.9	
				Averages =	208.9	17.4	0	971		267.8	145.7	199.1	232.5	196.3	212.2
				LSD (0.10) =	8.8	0.3	1			15.1	15.6	16.2	14.0	14.7	15.7
				LSD (0.25) =	4.6	0.1	1			7.9	8.2	8.5	7.3	7.7	8.2

Mark Querna

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Prev. years average yield for region: 204.98 bu/a, 21 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$4.75

† 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 product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location.

Additional reports available at www.firstseedtests.com

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Report Date: 11/05/2023

2023 Corn Grain Top 30 Region Summary for Minnesota Southeast [MNSE]

Full-Season Test
103 - 107 Day CRM
B2023MNSEb

Top 30 of 54

For Gross Income (Sorted by Yield), (16) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Cannon Falls	Dexter *	Eyota *	Kasson	Nerstrand	New Richland	
DEKALB	DKC57-45RIB GC ↗	VT2P	107	238.4	18.6	0	1095	1	303.7	178.5	210.9	256.9	204.0	276.5	
TITAN PRO	24-05 PCE ↗	PCE	105	233.3	18.5	2	1072	2	302.6	184.1	206.1	233.3	207.6	266.2	
GOLD COUNTRY	105-51R2P ↗	VT2P	105	231.9	18.1	0	1070	3	304.7	162.3	212.1	248.3	208.5	255.2	
NUTECH	66D1AM ↗	AM	106	227.2	18.8	0	1041	6	308.0	148.8	190.8	266.0	196.0	254.0	
DAIRYLAND	DS-4686AM ↗	AM	106	227.1	18.9	0	1040	7	297.8	150.7	199.3	243.5	219.5	251.8	
DYNA-GRO	D45SP33RIB ↗	STXP	105	226.2	17.9	1	1043	4	332.3	144.4	212.8	234.4	192.4	240.8	
ENESTVEDT	E541 ↗	CONV	106	225.5	17.8	1	1042	5	293.4	176.2	183.0	248.8	204.5	246.9	
VIKING BLUE RIVER	72-06 ↗	CONV	106	224.9	18.4	0	1034	9	297.8	157.1	218.1	233.5	186.9	256.2	
THUNDER	T6306 PC ↗	PCE	106	224.3	18.8	0	1028	13	302.2	145.2	206.9	233.0	203.2	255.3	
NUTECH	63A5AM ↗	AM	103	224.0	18.2	0	1033	10	296.4	178.6	206.6	238.5	189.1	234.9	
EPLEY	E1530 ↗	CONV	105	223.8	18.2	0	1031	12	284.6	164.9	204.9	246.2	195.6	246.7	
GOLD COUNTRY	103-55R2P ↗	VT2P	103	223.7	18.0	0	1034	8	281.9	180.6	192.0	239.8	208.4	239.5	
AUGUSTA	A1954 PCE ↗	PCE	104	223.7	18.7	0	1026	14	304.8	169.3	194.2	239.3	188.4	246.2	
TITAN PRO	32-06 SSP ↗	STXP	106	223.7	18.1	1	1031	11	310.2	166.5	179.6	230.9	207.4	247.3	
GOLDEN HARVEST	G03B19-AA ↗	AA	103	222.4	18.3	1	1025	15	291.9	181.5	174.5	231.7	209.0	245.8	
NUTECH	65D3Q ↗	QR	105	222.4	19.2	0	1016	16	297.6	159.3	166.3	247.8	228.8	234.4	
NUTECH	66C2Q ↗	QR	106	220.6	18.6	0	1012	19	311.3	165.1	207.3	247.0	176.1	217.1	
TITAN PRO	36-06 ↗	CONV	106	220.3	18.4	0	1013	18	288.3	157.2	208.4	229.2	206.0	232.5	
HEFTY	H5674 ↗	STXP	106	219.5	18.1	0	1012	21	316.2	135.8	193.0	237.9	196.5	237.9	
VIKING BLUE RIVER	84-04 ↗	CONV	104	219.5	18.3	0	1012	20	282.7	181.2	217.2	227.9	176.9	231.1	
DAIRYLAND	DS-4365AM ↗	AM	103	219.3	17.9	0	1013	17	293.3	162.9	185.1	248.7	184.7	241.4	
INTEGRA	5704 SPRO ↗	STXP	107	219.0	18.2	0	1008	26	300.8	152.6	173.5	230.0	189.3	268.1	
NUTECH	64B5Q ↗	QR	104	219.0	18.3	0	1009	24	282.2	167.2	195.3	251.0	180.4	238.2	
ROB-SEE-CO	RC5694-VT2P ↗	VT2P	106	218.8	17.9	0	1011	22	295.5	159.6	191.5	222.6	201.1	242.3	
RENK	RK720TRE ↗	TRE	106	218.5	17.9	0	1009	25	299.3	161.4	185.3	223.6	205.8	235.6	
PIONEER	P0622Q GC ↗	QR	106	218.3	18.8	0	1000	27	305.0	148.8	162.0	253.5	192.4	247.9	
THUNDER	T6405 TRE ↗	TRE	105	217.9	17.5	0	1010	23	289.7	156.6	204.8	216.5	195.2	244.8	
INTEGRA	5584 PWE ↗	PCE	105	216.8	18.5	0	997	29	293.7	155.4	197.3	253.8	175.0	225.5	
GOLD COUNTRY	107-83R2P ↗	VT2P	107	216.8	18.5	0	997	30	295.3	155.4	191.2	256.7	189.4	212.7	
AUGUSTA	A2154 ↗	CONV	104	216.2	18.0	0	998	28	275.6	152.6	209.2	240.7	178.8	240.4	
DEKALB	DKC51-25RIB CK	VT2P	101	196.4	17.3	0	913	53	252.5	147.4	186.0	211.3	175.7	205.8	
				Averages =	216.2	18.1	0	997		288.2	157.7	190.5	233.5	189.5	237.9
				LSD (0.10) =	9.5	0.4	ns		14.1	15.2	21.3	12.6	13.3	17.1	
				LSD (0.25) =	5.0	0.2	ns		7.4	8.0	11.1	6.6	7.0	9.0	

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Prev. years average yield for region: 204.98 bu/a, 21 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$4.75

† 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 product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location. * 2 reps for the site.

Additional reports available at www.firstseedtests.com

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Report Date: 11/05/2023

2023 Corn Grain - Minnesota Southeast [MNSE]

Ultra Early-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	7422	CONV	N	92	CM,C2,Vi
Anderson	7865	CONV	N	95	Vi5
Augusta	A1943-AA	AA	N	93	AC,P5V
Augusta	A1944	CONV	N	94	AC,P5V
Augusta	A1946-AA	AA	N	96	CM,C2
Augusta	A2046-DV	DV	N	96	CM,C5
Augusta	A2545-DV	DV	Y*	95	CM,C2
Dairyland	DS-3203AM	AM	Y	92	Lum, L1
Dairyland	DS-3477AM	AM	Y	94	Lum, L1
Dairyland	DS-3599Q	QR	Y	95	Lum, L1
Dairyland	DS-3601AM	AM	Y	96	Lum
DenBesten	DB30-97	CONV	N	97	CM,C2,Vi
DenBesten	DB34-92	CONV	N	92	CM,C2,Vi
Dyna-Gro	D34VC93RIB	VT2P	Y*	94	AC,P5V
Enestvedt	E654	CONV	N	96	CM,C2,Vi
Enestvedt	E658DP RIB	VT2P	Y	96	AC,P2
Golden Harvest	G92A51-AA	AA	Y	92	CM,C5,Va
Jacobsen	JS5044DGVT2P	VT2PDG	Y	95	Treated
NuTech	56A8AM	AM	Y	96	Lum, L1
Pioneer	P9193Q GC	QR	Y	91	Lum, L1
Pioneer	P9624Q GC	QR	Y	96	Lum
Pioneer	P96760Q GC	QR	Y	96	Lum
Prairie Hybrids	591ORG	CONV	N	95	CM,C2,Vi,Va
Renk	RK444VT2P	VT2P	N	93	AC,P2
Renk	RK485DGVT2P	VT2PDG	N	94	AC,P2
Renk	RK502SSTX	STX	N	95	AC,P5V
Renk	RK561DGVT2P	VT2PDG	N	95	AC,P2
Renk	RK571PWE	PCE	N	96	Lum,P5V
Thunder	T6294 VT2P	VT2PDG	Y	94	AC,P2
Thunder	T6396 VT2P	VT2P	Y	94	AC,P2
Thunder	T6992 VT2P	VT2P	Y	92	AC,P2
Thunder	T8396 SS	STX	Y	96	AC,P5
Thunder	T8494 SSP	STXP	Y	94	AC,P5
Thunder	T8496 DV	DV	Y	96	CM,C2,Vi,Va
Thunder	TEX23-94	VT2P	Y	94	AC,P2
Titan Pro	28-96 PCE	PCE	N	96	CM,C2,Vi,Va
Titan Pro	38-96	CONV	N	96	CM,C2,Vi,Va
Viking Blue River	42-92	CONV	N	92	CM,C2,Sb
Viking Blue River	52-96	CONV	N	96	CM,C2,Sb
Viking Blue River	62-93	CONV	N	93	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.

2023 Corn Grain - Minnesota Southeast [MNSE]

Early-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	507R	RR2	N	102	Vi5
Anderson	507SRC	STX	Y*	102	AC,P5
Anderson	728TRE	TRE	Y*	98	AC,P2
Augusta	A2048-AA	AA	N	98	CM,C5
Augusta	A2052-AA	AA	N	102	CM,C5
Augusta	A2150-DV	DV	Y*	100	CM,C2
Augusta	A22-250-AA	AA	Y	100	CM,C2
Augusta	A3052-DV	DV	Y*	102	CM,C2
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	DKC51-25RIB CK	VT2P	Y	101	AC,P5V,EDC-EL
Enestvedt	E539	CONV	N	102	CM,C2,Vi
Enestvedt	E539DP RIB	VT2P	Y	102	AC250
Enestvedt	E600DP RIB	VT2P	Y	99	AC,P2
Enestvedt	E692 CONV	CONV	N	98	CM,C2,Vi
Gold Country	100-19TRE	TRE	Y	100	AC,P5V
Gold Country	101-51RSP	STXP	Y	101	AC,P5V
Gold Country	98-15RSS	STX	Y	98	AC,P5V
Gold Country	98-64TRE	TRE	Y	98	AC,P5V
Golden Harvest	G01B63-AA	AA	Y	101	CM,C5,Va
Golden Harvest	G97B68-DV	DV	Y	97	AVC,C1,Va
Golden Harvest	G98B99-AA	AA	Y	98	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
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,SU+Zn
Integra	4993 TRERIB	TRE	N	99	AC,P5V,SU+Zn
Integra	CXINT099TRE	TRE	Y	99	AC,P5V,SU+Zn,PT
Jacobsen	JS0223VT2P	VT2P	Y	102	Treated
Jacobsen	JS5206DGVT2P	VT2PDG	Y	102	Treated
Jacobsen	JS7096VT2PRO	VT2P	Y	97	Treated
Legacy	LC494-23	PCE	N	99	CM,C2,Vi,Va
NuTech	57A4Q	QR	Y	97	Lum, L1
NuTech	57B5AM	AM	Y	97	Lum, L1
NuTech	59A1Q	QR	Y	99	Lum, L1
NuTech	59C1AM	AM	Y	99	Lum, L1
NuTech	60A4AM	AM	Y	100	Lum, L1
Pioneer	P9955Q GC	QR	Y	99	Lum, L1

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Renk	RK579DGVT2P	VT2PDG	Y	99	AC,P2
Renk	RK582SSTX	STX	N	98	AC,P5V
Renk	RK590VT2P	VT2P	N	98	AC,P2
Renk	RK597SSPRO	STXP	N	99	AC,P5V,B300
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	RC4779-PCE	PCE	N	97	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
Thunder	T6298 VT2P	VT2P	Y	98	AC,P2
Thunder	T6300 VT2P	VT2P	Y	100	AC,P2
Thunder	T6497 TRE	TRE	Y	97	AC,P2
Thunder	T6498 PC	PCE	N	98	CM,C2,Vi,Va
Thunder	T6902 VT2P	VT2P	Y	102	AC,P2
Titan Pro	21-98	CONV	N	98	CM,C2,Vi,Va
Titan Pro	26-02 PCE	PCE	N	102	CM,C2,Vi,Va
Titan Pro	30-00 SS	STX	Y	100	AC,P5V
Titan Pro	37-97 DV	DV	Y	97	CM,C2,Vi,Va
Titan Pro	84-01	CONV	N	101	CM,C2,Vi,Va
Viking Blue River	24-01	CONV	N	101	AC,P2
Viking Blue River	24-99	CONV	N	99	AC,P2
Viking Blue River	44-98	CONV	N	98	CM,C2,Sb
Viking Blue River	46-02	CONV	N	102	CM,C2,Sb

* 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 Grain - Minnesota Southeast [MNSE]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1954 PCE	PCE	N	104	AC,P5V
Augusta	A2154	CONV	N	104	CM,C2
Blue River	49M23	CONV	U	103	Treated
Dairyland	DS-4365AM	AM	Y	103	Lum, L1
Dairyland	DS-4510Q	QR	Y	105	Lum, L1
Dairyland	DS-4686AM	AM	Y	106	Lum, L1
DeKalb	DKC51-25RIB CK	VT2P	Y	101	AC,P5V,EDC-EL
DeKalb	DKC54-38RIB GC	STX	Y	104	AC,P5V,EDC-EL
DeKalb	DKC56-65RIB GC	STX	Y	106	AC,P5V,EDC-EL
DeKalb	DKC57-45RIB GC	VT2P	Y	107	AC,P5V,EDC-EL
Dyna-Gro	D44DC73RIB	VT2PDG	Y	104	AC,P5V
Dyna-Gro	D45SP33RIB	STXP	Y	105	AC,P5V
Enestvedt	E541	CONV	N	106	CM,C2,Vi
Enestvedt	E598	CONV	N	107	CM,C2,Vi
Epley	E1530	CONV	N	105	Vi5
Gold Country	103-55R2P	VT2P	Y	103	AC,P5V
Gold Country	103-76RSS	STX	Y	103	AC,P5V
Gold Country	104-75RSP	STXP	Y	104	AC,P5V
Gold Country	105-51R2P	VT2P	Y	105	AC,P5V
Gold Country	107-83R2P	VT2P	Y	107	AC,P5V
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Hefty	H5373	VT2PDG	Y	103	HC
Hefty	H5432	VT2P	N	104	HC
Hefty	H5655	TRE	N	106	HC
Hefty	H5674	STXP	Y	106	HC
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V,SU+Zn
Integra	5584 PWE	PCE	N	105	AC,P5V
Integra	5704 SS PRO	STXP	Y	107	AC,P5V
Legacy	LC554-23	STX	N	105	AC,P5V
NuTech	63A5AM	AM	Y	103	Lum, L1
NuTech	64B5Q	QR	Y	104	Lum, L1
NuTech	65D3Q	QR	Y	105	Lum, L1
NuTech	66C2Q	QR	Y	106	Lum, L1
NuTech	66D1AM	AM	Y	106	Lum, L1
Pioneer	P0404Q GC	QR	Y*	104	Lum, L1
Pioneer	P05737AM GC	AM	Y	105	Lum, L1
Pioneer	P0622Q GC	QR	Y	106	Lum, L1
Renk	RK625DGVT2P	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,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	RC5422-PCE	PCE	N	104	CM,C2,Vi,Va
Rob-See-Co	RC5694-VT2P	VT2P	Y	106	AC,P2
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
Titan Pro	24-05 PCE	PCE	N	105	CM,C2,Vi,Va
Titan Pro	32-06 SSP	STXP	Y	106	AC,P5V
Titan Pro	34-04 DG2P	VT2PDG	Y	104	AC,P2
Titan Pro	36-06	CONV	N	106	CM,C2,Vi,Va
Viking Blue River	72-06	CONV	N	106	CM,C2,Sb
Viking Blue River	84-04	CONV	N	104	AC,P2
Viking Blue River	84-05	CONV	N	105	CM,C2,Sb

* 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 Grain 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®
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

NOTE: The refuge component genetics may vary in a refuge blend seed product.

Corn Grain Seed Treatments*

NA	Not Available
AC250	Acceleron® 250
AC,P2	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B300	Acceleron® Poncho 500/Votivo with B-300 SAT
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,SU+Zn,PT	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn with PhycoTerra® ST
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
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	Cruisermaxx® 500
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified
Vi5	Vibrance® Cinco

* Seed treatments may include unspecified plant health promoting components.

2023 Corn Grain Top 30 Region Summary for Minnesota Southwest [MNSW]

Early-Season Test

97 - 102 Day CRM

B2023MNSWa

Top 30 of 72

For Gross Income (Sorted by Yield), (15) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Easton	Jackson	Jeffers	Lamberton	Mankato REJECTED	Truman	
DAIRYLAND	DS-4219AM ↗	AM	102	239.2	16.9	0	1118	1	245.5	215.6	233.2	228.2	161.7	273.4	
ROB-SEE-CO	RC4779-PCE ↗	PCE	97	234.4	16.2	0	1101	3	243.1	219.0	227.6	213.7	192.2	268.6	
WYFFELS	W1996RIB ↗	VT2P	98	234.4	15.9	0	1104	2	211.9	228.2	248.3	225.6	181.1	257.8	
AUGUSTA	A2048-AA ↗	AA	98	234.2	16.4	0	1099	4	240.4	212.9	234.7	216.8	141.1	266.1	
LEGACY	LC494-23 ↗	PCE	99	233.9	16.8	0	1094	5	226.8	214.5	237.8	224.1	171.0	266.5	
AUGUSTA	A2150-DV ↗	DV	100	233.0	17.1	0	1087	6	238.1	236.9	207.8	215.6	171.0	266.8	
DAIRYLAND	DS-3900AM ↗	AM	99	231.8	16.8	1	1084	9	247.8	214.8	228.1	221.5	181.1	246.9	
DAIRYLAND	DS-3881AM ↗	AM	98	231.8	16.7	0	1085	8	242.7	206.8	219.5	216.1	161.0	273.6	
TITAN PRO	28-96 PCE ↗	PCE	96	231.3	16.2	1	1087	7	232.5	226.4	230.5	203.3	191.0	264.1	
PIONEER	P9955Q GC ↗	QR	99	230.8	16.8	0	1080	10	234.1	226.3	219.1	221.4	208.3	253.1	
RENK	RK628VT2P ↗	VT2P	102	228.9	16.6	0	1072	12	202.2	224.7	221.7	219.5	161.0	276.1	
HEINE	7360 ↗	TRE	102	228.4	15.9	0	1075	11	233.8	193.5	219.4	229.1	181.0	266.3	
DENBESTEN	DB34-92 ↗	CONV	92	227.4	16.0	3	1070	13	228.3	201.1	231.5	221.8	211.0	254.4	
JACOBSEN	JS5206DGV2P ↗	VT2PDG	102	225.8	15.7	0	1065	14	225.0	212.9	212.2	216.5	181.0	262.2	
TITAN PRO	30-00 SS ↗	STX	100	225.5	16.0	0	1061	15	236.1	187.2	229.5	213.5	161.0	261.1	
GOLD COUNTRY	101-51RSP ↗	STXP	101	225.2	16.6	0	1055	16	243.9	194.8	213.5	215.7	201.0	258.3	
JACOBSEN	JS0223VT2P ↗	VT2P	102	225.0	16.4	0	1055	17	235.3	216.1	205.8	194.7	201.0	273.0	
AUGUSTA	A3052-DV ↗	DV	102	224.8	17.6	0	1045	21	215.4	218.7	192.7	221.6	171.0	275.8	
DAIRYLAND	DS-4003Q ↗	QR	100	224.8	16.9	0	1050	20	235.4	192.9	224.1	220.2	201.0	251.2	
DEKALB	DKC101-35RIB GC ↗	VT2P	101	224.4	16.1	0	1055	18	215.8	187.3	217.6	228.8	201.0	272.6	
WYFFELS	W2595 ↗	TRE	101	223.7	16.0	1	1053	19	217.2	197.1	224.0	213.4	161.0	266.5	
WYFFELS	W2629 ↗	STXP	101	222.4	16.3	0	1044	22	223.2	190.4	221.5	212.3	191.0	264.3	
TITAN PRO	37-97 DV ↗	DV	97	221.2	16.3	0	1038	23	236.4	188.9	220.1	206.3	171.0	254.1	
HEINE	7480 ↗	VT2PDG	102	220.5	16.2	0	1036	25	223.1	203.6	202.6	208.3	161.0	264.9	
DEKALB	DKC47-85RIB GC ↗	VT2P	97	220.0	15.7	0	1037	24	210.3	189.7	214.7	216.1	181.0	269.3	
ENESTVEDT	E539 ↗	CONV	102	219.8	16.2	0	1033	26	200.4	204.6	212.6	216.3	151.0	265.4	
ROB-SEE-CO	D01-90-VT2P ↗	VT2P	101	219.5	16.0	0	1033	27	220.4	193.7	237.1	204.3	141.0	242.3	
GOLDEN HARVEST	G97B68-DV ↗	DV	97	219.2	16.3	1	1030	29	226.1	197.8	214.0	198.2	151.0	259.8	
GOLD COUNTRY	98-15RSS ↗	STX	98	218.9	15.9	0	1031	28	220.5	219.5	209.1	202.5	183.2	242.8	
JACOBSEN	JS7107VT2PRO ↗	VT2P	102	218.9	16.2	1	1029	30	203.4	203.2	211.4	210.6	212.9	265.8	
DEKALB	DKC51-25RIB CK	VT2P	101	200.0	15.8	0	943	71	191.0	191.2	209.6	174.8	177.6	233.5	
				Averages =	217.6	16.2	0	1022		212.2	200.9	214.7	205.6	168.5	254.5
				LSD (0.10) =	9.4	0.2	ns		16.4	21.7	16.4	12.6	34.2	14.8	
				LSD (0.25) =	4.9	0.1	ns		8.6	11.4	8.6	6.6	18.0	7.8	

Water damaged stands resulting in variability

Mark Querna

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Prev. years average yield for region: 196.31 bu/a, 21 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.04

Prices: GMO = \$4.75

† 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 product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location. * 2 reps for the site.

Additional reports available at www.firstseedtests.com

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Report Date: 11/07/2023

2023 Corn Grain Top 30 Region Summary for Minnesota Southwest [MNSW]


Full-Season Test
103 - 107 Day CRM
B2023MNSWb

Top 30 of 60

For Gross Income (Sorted by Yield), (15) Replication Average

Company/Brand	Product/Brand	Technol. †	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Easton	Jackson	Jeffers	Lamberton	Mankato REJECTED	Truman	
TITAN PRO	24-05 PCE ↗	PCE	105	249.9	17.4	0	1163	1	254.3	236.6	234.5	238.6	187.0	285.6	
ENESTVEDT	E541 ↗	CONV	106	248.4	17.3	0	1157	2	255.1	242.0	238.2	225.0	201.2	281.6	
INTEGRA	5704 SSPRO ↗	STXP	107	247.9	17.3	0	1155	3	251.2	234.1	231.9	239.6	217.0	282.6	
WYFFELS	W3309 ↗	STXP	103	246.3	16.9	0	1151	4	233.8	238.2	233.4	236.3	187.0	289.5	
JACOBSEN	JS7420VT2PRO ↗	VT2P	107	245.9	17.7	0	1140	7	237.8	228.6	239.6	216.7	217.0	306.6	
GOLD COUNTRY	103-76RSS ↗	STX	103	245.8	16.8	0	1150	5	242.4	238.7	244.4	238.5	192.0	265.2	
TITAN PRO	24-04 ↗	CONV	104	244.4	16.9	0	1142	6	245.5	237.1	235.0	238.2	201.2	266.2	
DENBESTEN	DB34-06 ↗	CONV	106	243.3	17.9	0	1127	11	238.9	230.9	239.1	237.3	177.0	270.5	
VIKING BLUE RIVER	72-06 ↗	CONV	106	243.3	16.9	0	1136	8	253.6	208.3	245.9	230.7	201.2	278.1	
DAIRYLAND	DS-4686AM ↗	AM	106	242.2	17.2	0	1129	9	218.5	233.7	227.8	214.4	223.7	316.8	
PIONEER	P05737AM GC ↗	AM	105	241.8	17.2	0	1127	10	227.8	245.5	232.3	227.8	201.2	275.6	
AUGUSTA	A1457-D ↗	D	107	240.9	18.0	0	1115	16	240.0	221.2	231.9	224.3	201.2	287.1	
ROB-SEE-CO	RC5694-VT2P ↗	VT2P	106	240.1	16.5	0	1126	12	220.0	252.6	219.4	228.4	201.2	280.0	
DAIRYLAND	DS-4365AM ↗	AM	103	239.7	17.0	0	1119	14	218.6	240.2	252.4	228.3	177.0	259.0	
TITAN PRO	32-06 SSP ↗	STXP	106	239.5	16.9	0	1119	13	242.9	230.5	219.2	224.6	227.0	280.2	
AUGUSTA	A1956-PWE ↗	PCE	106	239.4	17.4	1	1114	17	243.9	215.0	241.8	224.6	217.0	271.9	
TITAN PRO	36-06 ↗	CONV	106	238.8	16.8	0	1117	15	203.3	232.6	231.4	235.2	177.0	291.7	
WYFFELS	W5019 ↗	STXP	107	238.6	17.6	0	1108	21	235.8	224.4	236.6	210.0	201.2	286.1	
AUGUSTA	A2856-AA ↗	AA	106	238.5	17.5	1	1109	20	250.3	223.3	236.8	212.5	133.0	269.9	
PIONEER	P0622Q GC ↗	QR	106	238.5	17.4	0	1109	19	251.4	216.6	237.4	212.9	167.1	274.1	
VIKING BLUE RIVER	84-05 ↗	CONV	105	237.4	16.5	0	1113	18	219.8	242.5	240.4	221.8	167.1	262.6	
DAIRYLAND	DS-4567Q ↗	QR	105	237.4	17.6	0	1102	28	234.6	188.9	247.7	235.4	187.0	280.2	
PIONEER	P0404Q GC ↗	QR	104	237.1	17.5	0	1103	26	216.4	237.3	244.6	227.9	177.0	259.1	
HEINE	7410 ↗	PCE	104	236.6	17.4	0	1101	29	242.1	206.8	241.1	232.1	187.0	260.9	
GOLD COUNTRY	104-75RSP ↗	STXP	104	236.4	16.6	0	1106	23	249.6	208.2	252.0	220.9	187.0	251.1	
HEFTY	H5674 ↗	STXP	106	235.9	16.5	0	1106	24	228.3	216.9	228.7	222.0	247.0	283.7	
GOLD COUNTRY	105-51R2P ↗	VT2P	105	235.7	16.6	0	1103	25	213.5	227.8	233.0	230.5	192.0	273.5	
WYFFELS	W3576RIB ↗	VT2P	103	235.6	16.2	0	1108	22	204.2	242.6	223.4	224.4	187.0	283.1	
JACOBSEN	JS0513TRE ↗	TRE	107	235.4	16.6	0	1103	27	233.7	232.8	212.3	222.9	223.8	275.1	
ENESTVEDT	E598 ↗	CONV	107	232.8	16.4	0	1093	30	223.7	223.3	224.9	210.5	167.1	281.8	
DEKALB	DKC51-25RIB CK	VT2P	101	202.4	15.8	0	954	60	185.6	189.3	214.5	190.7	172.9	231.7	
				Averages =	232.4	16.9	0	1085		222.1	223.0	227.4	217.5	185.2	271.8
				LSD (0.10) =	10.0	0.3	0			18.4	19.3	16.0	16.1	28.5	15.1
				LSD (0.25) =	5.2	0.1	0			9.7	10.2	8.4	8.4	15.0	8.0

Water damaged stands resulting in variability


Mark Querna
mark.querna@firstseedtests.com, (507) 380-9920

Prev. years average yield for region: 196.31 bu/a, 21 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.75

† 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 product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location. * 2 reps for the site.

2023 Corn Grain Top 30 Region Summary for Minnesota Southwest [MNSW]

Ultra Late-Season Test
108 - 112 Day CRM
B2023MNSWI

Top 30 of 36
For Gross Income (Sorted by Yield), (18) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Easton	Jackson	Jeffers	Lamberton	Mankato	Truman
HEFTY	H5862 ↗	VT2P	108	263.3	18.6	1	1213	1	274.4	284.2	259.4	254.3	193.8	313.8
DAIRYLAND	DS-4833AM ↗	AM	108	258.7	18.0	0	1198	2	255.8	258.8	267.5	257.8	222.3	289.9
PIONEER	P1185AM GC ↗	AM	111	255.6	18.8	0	1175	3	255.1	257.1	240.5	247.3	226.7	306.8
HEFTY	H6064 ↗	STX	110	253.4	19.4	1	1159	4	268.1	244.1	232.1	254.5	223.1	298.2
TITAN PRO	31-10 PCE ↗	PCE	110	250.3	18.5	0	1154	5	253.4	261.4	245.2	263.6	194.3	284.0
PIONEER	P0953AM GC ↗	AM	109	248.7	18.3	0	1149	6	248.4	251.3	237.6	239.2	218.0	297.8
WYFFELS	W6215 ↗	TRE	109	246.7	18.1	0	1141	7	250.0	263.5	224.5	215.6	230.3	296.2
GOLD COUNTRY	111-39RSS ↗	STX	111	246.6	18.8	0	1134	8	248.1	246.4	229.2	238.3	228.5	289.0
WYFFELS	W5406 ↗	VT2P	108	243.7	18.2	0	1126	9	247.0	243.3	235.7	235.7	216.7	284.1
RENK	RK811PWE ↗	PCE	111	243.4	18.1	0	1126	10	250.7	240.1	241.0	233.2	199.0	296.6
WYFFELS	W6886 ↗	VT2P	111	243.2	18.6	0	1120	12	240.9	251.4	237.5	227.9	217.7	284.1
DAIRYLAND	DS-4878AM ↗	AM	108	243.0	18.0	0	1125	11	236.7	241.0	241.9	250.8	200.1	287.2
HEFTY	H5952 ↗	VT2P	109	242.8	18.4	0	1120	13	261.4	217.3	229.7	230.2	225.0	293.4
DAIRYLAND	DS-4917AM ↗	AM	109	242.0	18.5	1	1116	14	254.9	226.9	222.4	268.5	191.9	287.1
GOLDEN HARVEST	G10B61-AA ↗	AA	110	241.6	19.3	0	1105	17	243.4	228.9	221.1	263.0	207.3	286.1
INTEGRA	6061 STXRIB ↗	STX	110	240.2	18.9	0	1103	18	249.1	231.6	216.1	225.2	245.8	273.2
DYNA-GRO	D49VC53RIB ↗	VT2P	109	239.8	18.1	2	1110	16	236.6	240.6	244.5	241.3	191.7	284.3
INTEGRA	CXINT108VT ↗	VT2P	108	239.4	17.6	0	1112	15	227.1	241.3	241.2	219.1	215.3	292.4
GOLDEN HARVEST	G11V76-D ↗	D	111	239.0	18.7	1	1100	20	238.8	217.5	236.8	251.3	212.8	276.9
DENBESTEN	DB34-12 ↗	CONV	112	238.9	18.9	1	1097	22	235.4	238.1	228.0	245.2	193.6	293.0
HEFTY	H6252 ↗	VT2P	112	238.1	18.8	0	1095	23	236.9	237.6	219.6	244.6	209.0	280.9
HEFTY	H6042 RIB ↗	VT2P	110	238.0	18.2	1	1099	21	214.4	246.5	240.2	215.8	219.5	291.8
RENK	RK773TRE ↗	TRE	109	237.8	18.0	0	1100	19	246.5	243.8	230.7	216.6	205.8	283.3
DEKALB	DKC108-64RIB GC ↗	STXP	108	236.4	18.0	0	1094	24	238.8	221.7	235.8	233.7	224.0	264.1
DYNA-GRO	D50VC09RIB ↗	VT2P	110	235.2	17.7	0	1092	25	213.4	247.1	236.5	214.6	221.6	278.1
BREVANT	B09Z08AM GC ↗	AM	109	235.1	18.3	0	1086	27	242.5	221.8	233.3	241.4	204.9	266.7
RENK	RK766SSPRO ↗	STXP	109	235.0	18.2	0	1086	26	248.7	242.5	239.8	223.2	202.8	252.6
CHANNEL	208-38VT2PRIB GC ↗	VT2P	108	232.7	17.3	0	1083	28	215.7	250.3	235.7	204.1	209.4	280.8
DEKALB	DKC110-10RIB GC ↗	STX	110	232.0	18.1	1	1073	30	229.2	227.9	233.0	234.3	192.1	275.3
INTEGRA	5802 VT2PRIB ↗	VT2P	108	231.7	17.7	2	1075	29	221.8	247.5	230.5	214.3	200.5	275.4

Mark Querna

Averages =	239.7	18.4	0	1106	241.3	239.9	233.1	233.4	209.5	281.4
LSD (0.10) =	10.0	0.4	ns		13.2	16.5	13.4	15.2	21.2	15.6
LSD (0.25) =	5.2	0.2	ns		6.9	8.7	7.0	7.9	11.1	8.2

mark.querna@firstseedtests.com, (507) 380-9920

Prev. years average yield for region: 196.31 bu/a, 21 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.75

† 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 product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location.

Additional reports available at www.firstseedtests.com

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Report Date: 11/07/2023

2023 Corn Grain - Minnesota Southwest [MNSW]

Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	5072	CONV	N	102	Vi5
Anderson	528TRE	TRE	Y*	102	AC,P2
Anderson	609R	RR2	N	98	Vi5
Augusta	A2048-AA	AA	N	98	CM,C5
Augusta	A2052-AA	AA	N	102	CM,C5
Augusta	A2150-DV	DV	Y*	100	CM,C2
Augusta	A3052-DV	DV	Y*	102	CM,C2
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	DKC101-35RIB GC	VT2P	Y	101	AC,P5V,EDC-EL
DeKalb	DKC47-85RIB GC	VT2P	Y	97	AC,P5V,EDC-EL
DeKalb	DKC51-25RIB CK	VT2P	Y	101	AC,P5V,EDC-EL
DenBesten	DB30-97	CONV	N	97	CM,C2,Vi
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
Dyna-Gro	D41TC74RIB	TRE	Y*	101	AC,P5V
Enestvedt	E539	CONV	N	102	CM,C2,Vi
Enestvedt	E539DP RIB	VT2P	Y	102	AC250
Enestvedt	E600DP RIB	VT2P	Y	99	AC,P2
Enestvedt	E692 CONV	CONV	N	98	CM,C2,Vi
Enestvedt	E699DP RIB	VT2P	Y	99	AC,P2
Epley	E1014AA	AA	Y	100	Vi5
Gold Country	100-19TRE	TRE	Y	100	AC,P5V
Gold Country	101-51RSP	STXP	Y	101	AC,P5V
Gold Country	98-15RSS	STX	Y	98	AC,P5V
Gold Country	98-64TRE	TRE	Y	98	AC,P5V
Golden Harvest	G01B63-AA	AA	Y	101	CM,C5,Va
Golden Harvest	G97B68-DV	DV	Y	97	AVC,C1,Va
Hefty	H4964	STXP	Y	99	HC
Hefty	H5055	TRE	N	100	HC
Hefty	H5062	VT2P	N	100	HC
Hefty	H5254	STX	N	102	HC
Heine	6650	TRE	N	99	Treated
Heine	6840	TRE	Y	98	Treated
Heine	7360	TRE	Y	102	Treated
Heine	7450	VT2P	Y	104	Treated
Heine	7480	VT2PDG	Y	102	Treated
Integra	4702 VT2PRIB	VT2P	Y	97	AC,P5V,SU+Zn
Integra	4993 TRERIB	TRE	N	99	AC,P5V,SU+Zn

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Integra	CXINT099TRE	TRE	Y	99	AC,P5V,SU+Zn,PT
Jacobsen	JS0223VT2P	VT2P	Y	102	Treated
Jacobsen	JS5206DGV2P	VT2PDG	Y	102	Treated
Jacobsen	JS7107VT2PRO	VT2P	Y	102	Treated
Jacobsen	JS9723TRE	TRE	Y	97	Treated
Legacy	LC494-23	PCE	N	99	CM,C2,Vi,Va
Pioneer	P9955Q GC	QR	Y	99	Lum, L1
Renk	RK579DGV2P	VT2PDG	Y	99	AC,P2
Renk	RK597SSPRO	STXP	N	99	AC,P5V,B300
Renk	RK600VT2P	VT2P	N	100	AC,P2
Renk	RK609VT2P	VT2P	Y	101	AC,P5V,B300
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	RC4779-PCE	PCE	N	97	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
Titan Pro	11-98 2P	VT2P	Y	98	AC,P2
Titan Pro	26-01	CONV	N	101	CM,C2,Vi,Va
Titan Pro	28-96 PCE	PCE	N	96	CM,C2,Vi,Va
Titan Pro	30-00 SS	STX	Y	100	AC,P5V
Titan Pro	37-97 DV	DV	Y	97	CM,C2,Vi,Va
Viking Blue River	44-98	CONV	N	98	CM,C2,Sb
Viking Blue River	45-97	CONV	N	97	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 Grain - Minnesota Southwest [MNSW]

Full-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	472SRC	STX	Y*	106	AC,P5
Augusta	A1457-D	D	Y	107	CM,C2
Augusta	A1954 PCE	PCE	N	104	CM,C2
Augusta	A1956-PWE	PCE	N	106	AC,P5V
Augusta	A2856-AA	AA	Y	106	CM,C2
Blue River	49M23	CONV	U	103	Treated
Dairyland	DS-4365AM	AM	Y	103	Lum, L1
Dairyland	DS-4567Q	QR	Y	105	Lum, L1
Dairyland	DS-4686AM	AM	Y	106	Lum, L1
DeKalb	DKC51-25RIB CK	VT2P	Y	101	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	DB34-06	CONV	N	106	CM,C2,Vi
Dyna-Gro	D44DC73RIB	VT2PDG	Y	104	AC,P5V
Dyna-Gro	D45SP33RIB	STXP	Y	105	AC,P5V
Enestvedt	E541	CONV	N	106	CM,C2,Vi
Enestvedt	E598	CONV	N	107	CM,C2,Vi
Gold Country	103-55R2P	VT2P	Y	103	AC,P5V
Gold Country	103-76RSS	STX	Y	103	AC,P5V
Gold Country	104-75RSP	STXP	Y	104	AC,P5V
Gold Country	105-51R2P	VT2P	Y	105	AC,P5V
Gold Country	107-83R2P	VT2P	Y	107	AC,P5V
Hefty	H5373	VT2PDG	Y	103	HC
Hefty	H5432	VT2P	N	104	HC
Hefty	H5442	VT2P	N	104	HC
Hefty	H5655	TRE	N	106	HC
Hefty	H5674	STXP	Y	106	HC
Heine	7410	PCE	Y	104	Treated
Heine	7510	TRE	Y	105	Treated
Heine	7640PWE	PCE	Y	106	Treated
Heine	7650VT2PRO	VT2P	N	106	Treated
Heine	795	VT2P	Y	107	Treated
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V,SU+Zn
Integra	5704 Sspro	STXP	Y	107	AC,P5V
Jacobsen	JS0513TRE	TRE	Y	107	Treated
Jacobsen	JS7420VT2PRO	VT2P	Y	107	Treated
Legacy	LC554-23	STX	N	105	AC,P5V
Pioneer	P0404Q GC	QR	Y*	104	Lum, L1
Pioneer	P05737AM GC	AM	Y	105	Lum, L1
Pioneer	P0622Q GC	QR	Y	106	Lum, L1
Renk	RK625DGVT2P	VT2PDG	N	104	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
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,P2
Rob-See-Co	RC5422-PCE	PCE	N	104	CM,C2,Vi,Va
Rob-See-Co	RC5694-VT2P	VT2P	Y	106	AC,P2
Titan Pro	24-04	CONV	N	104	CM,C2,Vi,Va
Titan Pro	24-05 PCE	PCE	N	105	CM,C2,Vi,Va
Titan Pro	32-06 SSP	STXP	Y	106	AC,P5V
Titan Pro	34-04 DG2P	VT2PDG	Y	104	AC,P2
Titan Pro	36-06	CONV	N	106	CM,C2,Vi,Va
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	W5086RIB	VT2P	Y	107	CM,C2,Vi,Va

* 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 Grain - Minnesota Southwest [MNSW]

Ultra Late-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Brevant	B09Z08AM GC	AM	Y	109	Lum
Channel	208-38VT2PRIB GC	VT2P	Y	108	AC,P5V,EDC-B
Channel	209-53STXRIB GC	STX	Y	109	AC,P5V,EDC-B
Dairyland	DS-4833AM	AM	Y	108	Lum, L1
Dairyland	DS-4878AM	AM	Y	108	Lum, L1
Dairyland	DS-4917AM	AM	Y	109	Lum, L1
DeKalb	DKC108-64RIB GC	STXP	Y	108	AC,P5V,EDC-EL
DeKalb	DKC110-10RIB GC	STX	Y	110	AC,P5V,EDC-EL
DeKalb	DKC59-82RIB GC	VT2P	Y	109	AC,P5V,EDC-EL
DenBesten	DB32-13	CONV	N	112	CM,C2,Vi
DenBesten	DB33-08	CONV	N	108	CM,C2,Vi
DenBesten	DB34-12	CONV	N	112	CM,C2,Vi
Dyna-Gro	D49VC53RIB	VT2P	Y*	109	AC,P5V
Dyna-Gro	D50VC09RIB	VT2P	Y*	110	AC,P5V
Gold Country	109-57RSP	STXP	Y	109	AC,P5V
Gold Country	111-39RSS	STX	Y	111	AC,P5V
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G11V76-D	D	Y	111	AVC,C1,Va
Hefty	H5862	VT2P	N	108	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6042 RIB	VT2P	Y	110	HC
Hefty	H6064	STX	N	110	HC
Hefty	H6252	VT2P	N	112	HC
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 STXRIB	STX	Y	110	AC,P5V,SU+Zn
Integra	CXINT108VT	VT2P	Y	108	AC,P5V,SU+Zn,PT
Pioneer	P0953AM GC	AM	Y	109	Lum, L1
Pioneer	P1185AM GC	AM	Y	111	Lum
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V
Titan Pro	31-10 PCE	PCE	N	110	CM,C2,Vi,Va
Viking Blue River	85-09	CONV	N	109	CM,C2,Sb
Wyffels	W5406	VT2P	N	108	AC,P5
Wyffels	W6215	TRE	N	109	CM,C2,Vi,Va
Wyffels	W6886	VT2P	N	111	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.

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 Grain Technologies

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
PCE	PowerCore® Enlist®
QR	Qrome®
RR2	Roundup Ready® 2 Corn
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

NOTE: The refuge component genetics may vary in a refuge blend seed product.

Corn Grain Seed Treatments*

NA	Not Available
AC250	Acceleron® 250
AC,P2	Acceleron® 250
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
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC,P5V,SU+Zn,PT	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn with PhycoTerra® ST
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Inoculant
CM,C2,Vi	CruiserMaxx® 250 with Vibrance
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5	Cruisermaxx® 500
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
P5V	Poncho 500/Votivo
Treated	Treated seed, unspecified
Vi5	Vibrance® Cinco

* Seed treatments may include unspecified plant health promoting components.

Table 8. Central district, 2023 district and single-location means. Early-season test, RM ≤ 109.

Company	Hybrid	GMO Tech		District Means								Single Location Yield				
		Package	Herb	Yield Bu/A	Dist Yield Rank	CW Yield	CE Yield	Moist %	Root Lodg (%)	Stalk Lodg (%)	AGV \$	Missouri Valley	Glidden	Ames	Keystone	Clarence
DuraCrop	3099 VT2P	VT2P	RR2	235.7	1	228.3	256.0	16.9	1.5	0.2	1064.9	206.4	198.0	295.8	219.4	261.0
Pioneer	P0924Q	Qrome	LL,RR2	235.3	2	231.4	252.7	16.3	0.4	0.2	1069.0	216.8	199.9	279.8	231.8	247.4
Renk	RK773TRE	TRC	RR2	235.2	3	235.2	251.2	16.4	0.1	0.3	1068.2	213.9	212.3	277.6	222.0	247.3
Latham	LH 5668	SSXP-RIB	LL,RR2	234.1	4	224.2	254.7	16.4	1.7	0.2	1062.4	202.5	206.6	269.4	252.4	245.9
Dekalb	DKC108-64SSPRIB	SSXP-RIB	LL,RR2	232.8	5	227.8	244.8	16.6	0.3	0.3	1055.4	217.6	212.4	257.3	234.6	244.3
Dekalb	DKC105-35VT2PRIB	VT2P-RIB	RR2	232.0	6	234.3	240.9	15.6	0.4	0.1	1060.9	218.5	220.1	268.3	207.8	251.9
Cornelius Seed	C6936SS	SSX	LL,RR2	231.0	7	229.4	246.3	16.9	0.9	0.5	1044.1	201.7	212.0	275.2	207.5	257.9
Renk	RK766SSPRO	SSXP	RR2	230.8	8	231.3	244.5	16.1	0.2	0.2	1050.9	189.5	222.8	268.8	206.0	264.2
Pioneer	P0529Q	Qrome	LL,RR2	229.6	9	229.9	245.8	16.1	0.5	0.1	1045.8	214.8	207.3	273.4	214.3	246.6
Cornelius Seed	C6847TRE	TRC	RR2	228.5	10	228.6	244.8	16.6	0.4	0.4	1035.5	207.4	212.3	261.8	209.7	250.6
Four Star	EXP 2303	VT2P-RIB	RR2	228.3	11	217.0	243.0	17.6	0.3	0.2	1025.6	195.1	214.4	246.1	223.4	261.7
Latham	LH 5815	VT2P	RR2	227.9	12	225.3	248.9	16.9	1.1	0.3	1029.5	198.6	198.9	279.6	209.2	252.4
NuTech/G2 Genetics	68A9AM	AM	LL,RR2	226.9	13	234.1	239.5	16.4	0.5	0.1	1030.9	217.8	204.0	281.0	198.0	242.1
Dekalb	DKC57-45VT2PRIB	VT2P-RIB	RR2	226.8	14	223.3	242.4	16.2	0.9	0.3	1031.8	191.1	218.7	270.3	229.4	227.4
NuTech/G2 Genetics	68C1Q	Qrome	LL,RR2	225.0	15	218.4	241.4	15.8	1.0	0.1	1027.5	206.9	195.3	252.4	219.5	248.6
Cornelius Seed	C6724SS	SSX	LL,RR2	224.7	16	217.2	243.8	15.7	0.5	1.1	1026.8	195.8	197.0	257.9	221.5	254.1
NuTech/G2 Genetics	66D1AM	AM	LL,RR2	224.0	17	224.1	237.3	15.5	0.5	0.0	1024.6	211.4	194.3	267.8	197.8	248.1
Renk	RK703PWE	PC	RR2	223.4	18	223.8	239.4	15.9	0.0	0.0	1018.9	213.3	198.0	257.4	205.9	238.9
DuraCrop	3085 PCE	VT2P	RR2	222.9	19	223.6	234.8	16.8	1.5	0.2	1008.2	202.2	204.5	257.8	199.8	245.4
Cornelius Seed	C6639DP	VT2P	RR2	221.6	20	226.3	232.6	15.8	0.2	0.1	1011.1	208.2	205.1	255.3	196.4	238.7
NuTech/G2 Genetics	66C2Q	Qrome	LL,RR2	221.1	21	223.8	229.4	16.2	0.2	0.2	1006.0	210.3	211.3	249.6	201.2	238.8
Prairie Hybrid Seeds	5851 Org	None	None	219.1	22	215.1	233.9	16.6	0.1	0.5	993.4	198.9	191.6	252.9	196.0	256.0
Four Star	EXP 2302	TRC	RR2	219.1	23	215.8	233.2	15.9	0.4	0.4	999.8	190.1	204.5	253.8	210.0	240.0
Latham	LH 5646	PC	None	218.9	24	221.7	231.8	16.0	0.7	0.3	997.7	196.1	198.8	261.2	188.8	248.6
Cornelius Seed	C6824PCE	PCE	LL,RR2	217.9	25	214.7	231.3	16.9	0.8	0.0	984.7	205.5	186.9	258.1	198.9	238.2
Latham	LH 5556	PC	None	217.7	26	223.2	222.6	16.0	0.2	0.1	991.9	217.1	206.2	248.2	193.1	228.4
Renk	RK707TRE	TRC	RR2	215.0	27	214.2	231.7	15.0	0.2	0.5	987.9	198.0	186.6	253.3	188.9	244.9
NuTech/G2 Genetics	65D3Q	Qrome	LL,RR2	214.4	28	219.0	222.4	15.9	0.1	1.0	977.9	202.1	212.7	245.3	193.4	216.9
Viking	85-09	None	None	213.9	29	224.4	224.1	16.8	1.4	0.3	967.5	210.5	198.3	258.4	168.8	233.2
LG Seeds	LG53C44VT2	VT2P	RR2	213.1	30	218.6	218.7	15.9	0.6	0.0	972.1	196.0	211.6	239.8	188.1	224.7
Four Star	6D47	VT2P-RIB	RR2	213.0	31	216.0	219.8	16.4	0.3	0.6	967.3	198.3	205.9	248.9	182.2	233.0
Viking	84-05	None	None	208.1	32	213.2	219.0	15.6	0.3	0.2	951.3	193.1	205.4	244.5	144.5	246.8
Renk	RK720TRE	TRC-RIB	RR2	207.3	33	206.5	217.0	15.4	0.7	0.0	949.3	205.7	178.8	236.8	177.3	240.8
Viking	72-06	None	None	206.3	34	212.1	211.9	15.6	0.0	0.3	943.4	190.3	197.8	259.1	154.4	229.0
Prairie Hybrid Seeds	5883/5881	None	None	205.3	35	217.0	218.5	16.9	1.1	0.3	927.7	177.1	189.9	268.2	152.6	238.4
DuraCrop	3059VT2P	VT2P	RR2	197.4	36	195.7	209.3	16.2	0.1	0.0	897.7	181.0	180.7	224.6	172.9	227.5
Epley Brothers Hybrids	E1403VT2P	VT2P	RR2	195.2	37	190.4	207.4	14.7	1.1	0.3	899.7	172.9	178.9	221.1	162.2	241.8
Prairie Hybrid Seeds	4470	None	None	194.0	38	201.1	208.7	15.8	3.0	1.2	886.0	151.5	195.0	249.2	143.1	227.3
Experiment Mean				220.4		220.4	233.0	16.2	0.6	0.3	1002	200.6	202.0	258.6	198.0	242.9
Minimum Mean				194.0		190.9	207.3	14.7	0.0	0.0	886	151.5	178.8	221.1	143.1	216.9
Maximum Mean				235.7		236.1	258.0	17.6	3.0	1.2	1069	218.5	222.8	295.8	252.4	264.2
LSD(0.25)				9.4		10.2	13.6	0.4	0.8	0.4		12.3	12.1	11.5	11.4	9.7
Coefficient of Variability				5.8		5.9	5.2					6.8	6.5	4.5	6.3	4.4

Table 6. North district, 2023 district and single-location means. Early-season test, RM ≤ 104.

Company	Hybrid	GMO Tech		District Means								Single Location Yield				
		Package	Herb	Yield Bu/A	Dist Yield	NW Yield	NE Yield	Moist %	Root Lodg (%)	Stalk Lodg (%)	AGV \$	Sheldon	Pocahontas	Corwith	Marble Rock	Oelwein
NuTech/G2 Genetics	60A4AM	AM	LL,RR2	224.2	1	230.5	220.9	15.3	0.0	1.0	1028	235.4	229.2	216.5	180.3	261.6
Latham	LH 5336	PC	None	220.6	2	218.5	217.2	15.9	0.0	0.7	1006	224.3	227.2	201.2	195.0	256.7
NuTech/G2 Genetics	57B5AM	AM	LL,RR2	217.8	3	227.1	214.7	14.4	0.3	1.5	1006	226.9	234.0	217.8	153.8	254.0
NuTech/G2 Genetics	63A5AM	AM	LL,RR2	217.7	4	217.9	210.5	15.3	0.1	1.2	998	227.4	226.9	208.8	171.1	252.4
Latham	LH 5377	VT2P	RR2	215.7	5	224.1	198.9	14.5	0.2	0.6	996	243.0	227.9	204.7	157.0	244.4
NuTech/G2 Genetics	59C1AM	AM	LL,RR2	215.4	6	218.3	204.4	14.8	0.1	0.6	992	230.5	229.5	197.0	170.5	248.3
Cornelius Seed	C5972TRE	TRC	RR2	214.4	7	223.4	202.8	14.0	0.2	0.4	994	225.8	239.0	212.5	149.5	244.1
Legacy Seeds	LC512-22	VT2P	RR2	213.4	8	225.0	201.4	14.6	0.1	0.6	984	240.7	225.3	199.4	149.9	249.6
Dekalb	DKC101-35VT2PRIB	VT2P-RIB	RR2	213.0	9	220.9	201.9	14.1	0.3	1.7	987	226.4	230.6	209.8	160.4	239.2
Four Star	EXP 2305	VT2P-RIB	RR2	212.5	10	218.4	195.8	14.7	0.2	2.0	980	228.4	229.7	203.1	161.6	241.0
LG Seeds	LG48C87VT2PRO	VT2P	RR2	212.2	11	209.6	212.2	14.9	0.1	0.2	976	203.5	223.6	203.3	172.4	257.3
Renk	RK600VT2P	VT2P-RIB	RR2	212.0	12	224.8	198.7	14.3	0.2	0.2	981	231.2	233.1	207.2	151.1	237.3
Legacy Seeds	LC511-21	SSX-RIB	LL,RR2	211.6	13	219.9	204.7	15.2	0.2	1.1	971	211.4	232.3	210.0	156.8	245.2
Latham	LH 4866	TRC	RR2	211.3	14	222.3	198.9	14.1	0.1	0.1	979	234.9	227.8	206.4	155.0	236.1
NuTech/G2 Genetics	59A1Q	Qrome	LL,RR2	210.5	15	208.5	205.4	15.2	0.0	1.4	966	206.0	221.5	200.6	179.9	242.5
Legacy Seeds	LC465-23	PC	LL,RR2	210.5	16	207.3	207.3	14.6	0.0	0.7	971	201.5	230.6	187.6	174.9	258.2
Dekalb	DKC103-47SSPRIB	SSXP-RIB	LL,RR2	209.9	17	208.2	201.7	15.5	0.3	0.5	961	219.0	220.5	185.1	172.0	250.8
Dekalb	DKC102-28TRERIB	TRC-RIB	RR2	209.7	18	218.3	196.5	14.6	0.1	0.2	967	220.0	233.9	200.1	153.1	242.9
Viking	46-02	None	None	209.6	19	211.8	197.0	14.7	0.2	0.7	966	222.5	231.3	194.3	153.8	244.5
NuTech/G2 Genetics	60A2Q	Qrome	LL,RR2	209.6	20	207.3	205.5	15.4	0.1	0.1	960	212.1	220.1	195.8	172.1	247.3
Legacy Seeds	LC534-23	TRC-RIB	LL,RR2	209.5	21	219.8	192.0	14.7	0.1	0.8	965	231.5	232.1	194.0	154.7	237.2
Renk	RK579DGV2P	DGVT2P-RIB	RR2	209.0	22	216.1	194.5	14.0	0.2	0.5	969	230.0	219.5	202.0	163.7	229.0
Dekalb	DKC103-07TRERIB	TRC-RIB	RR2	206.5	23	215.0	197.0	15.4	0.4	2.3	946	228.6	229.0	185.3	159.7	233.5
Cornelius Seed	C6204SSP	SSXP	LL,RR2	206.3	24	216.3	196.3	14.5	0.1	1.1	952	225.6	222.7	197.8	159.4	229.7
LG Seeds	LG52C42VT2RIB	VT2P-RIB	RR2	205.5	25	203.5	199.0	15.8	0.4	0.8	939	219.3	206.1	189.8	161.4	250.2
Renk	RK609VT2P	VT2P-RIB	RR2	205.2	26	209.1	197.2	14.5	0.3	0.3	947	227.1	202.2	196.1	163.5	238.4
Dekalb	DKC099-11VT2PRIB	VT2P-RIB	RR2	205.0	27	210.9	197.4	14.0	0.1	0.5	950	220.0	219.8	191.8	161.8	229.8
Cornelius Seed	C6384TRE	TRC	RR2	204.3	28	213.0	189.7	14.2	0.0	0.5	946	218.9	225.4	188.8	144.4	244.9
Renk	RK571PWE	PC	LL,RR2	204.1	29	199.5	211.8	14.6	0.6	0.8	941	193.4	212.3	190.8	169.9	252.8
Four Star	6D17	VT2P-RIB	RR2	203.3	30	209.1	192.4	13.6	0.1	0.4	945	221.5	213.0	195.0	153.6	235.5
Renk	RK628VT2P	VT2P	RR2	203.2	31	209.5	191.9	14.5	0.2	1.7	938	212.4	219.7	195.8	157.3	230.8
Pioneer	P0075Q	Qrome	LL,RR2	203.1	32	204.2	197.7	15.4	0.0	0.9	930	214.1	207.2	188.6	161.3	241.9
Pioneer	P0220Q	Qrome	LL,RR2	202.9	33	202.6	203.7	15.0	0.1	0.6	933	207.5	206.8	192.9	174.9	234.9
Four Star	6D19	VT2P-RIB	RR2	202.2	34	207.7	193.9	14.3	0.2	0.6	935	222.8	207.9	190.7	158.4	227.7
Blue River	24-01	None	None	199.3	35	210.4	186.2	15.7	0.1	0.6	911	218.0	210.8	197.0	142.7	227.0
Blue River	49M23	None	None	198.2	36	196.6	191.1	16.6	0.4	0.2	898	203.4	209.3	178.7	146.5	255.5
LG Seeds	LG53C44VT2PRO	VT2P	RR2	197.7	37	198.5	193.1	15.9	0.2	0.7	902	203.5	214.0	179.7	165.0	226.5
Experiment Mean				209.1		213.7	200.8	14.8	0.2	0.8	963	220.8	222.5	197.7	161.8	242.7
Minimum Mean				197.7		197.0	188.2	13.6	0.0	0.1	898	193.4	202.2	178.7	142.7	226.5
Maximum Mean				224.2		227.3	219.5	16.6	0.6	2.3	1028	243.0	239.0	217.8	195.0	261.6
LSD(0.25)				6.9		7.2	8.4	0.4	0.2	0.7		8.6	8.4	8.6	9.4	5.9
Coefficient of Variability				4.1		4.3	4.1					4.2	4.0	4.5	5.8	2.5

Table 7. North district, 2023 district and single-location means. Full-season test RM > 104.

		GMO Tech		District Means							Single Location Yield					
Company	Hybrid	Package	Herb	Yield Bu/A	Dist Yield	NW Yield	NE Yield	Moist %	Root Lodg (%)	Stalk Lodg (%)	AGV \$	Sheldon	Pocahontas	Corwith	Nashua	Oelwein
Dekalb	DKC105-35VT2PRIB	VT2P-RIB	RR2	229.7	1	229.5	218.3	16.2	0.0	0.8	1045	235.9	247.8	205.8	196.1	262.1
Cornelius Seed	C6936SS	SSX	LL,RR2	229.6	2	221.7	229.5	17.7	0.0	3.3	1030	225.2	236.8	205.9	207.2	271.4
NuTech/G2 Genetics	68A9AM	AM	LL,RR2	227.5	3	225.1	219.1	17.8	0.0	2.3	1019	242.9	233.1	202.1	199.8	257.1
NuTech/G2 Genetics	68C1Q	Qrome	LL,RR2	227.5	4	223.3	227.0	17.9	0.1	0.0	1019	229.4	235.3	207.9	199.0	266.7
Epley Brothers Hybrids	E1609PWE	PC	RR2	225.5	5	222.2	226.0	17.2	0.1	0.6	1017	241.6	226.2	201.5	216.6	243.1
Latham	LH 5815	VT2P	RR2	225.5	6	222.2	223.8	18.1	0.0	2.1	1008	235.4	222.0	208.5	207.7	256.1
Legacy Seeds	LC544-21	PC	LL,RR2	224.9	7	221.3	220.5	16.8	0.0	0.1	1018	226.1	228.7	209.2	204.8	255.9
Pioneer	P0529Q	Qrome	LL,RR2	224.7	8	226.1	227.0	17.6	0.0	0.6	1009	228.3	226.2	210.9	202.3	257.2
Dyna-Gro	D49VC53RIB	VT2P-RIB	RR2	224.4	9	222.6	218.9	17.6	0.0	1.0	1007	238.3	231.4	195.4	199.1	258.9
NuTech/G2 Genetics	66D1AM	AM	LL,RR2	224.3	10	215.9	208.2	17.2	0.3	1.6	1011	238.5	236.3	188.9	181.4	278.2
LG Seeds	LG58C48VT2PRO	VT2P	RR2	221.6	11	224.6	218.2	18.3	0.1	0.9	989	228.3	240.8	190.2	193.7	256.2
Legacy Seeds	LC554-23	SSX	LL,RR2	221.5	12	218.7	213.3	15.5	0.2	0.8	1014	238.1	223.1	195.7	195.9	256.2
Prairie Hybrid Seeds	4470	None	None	220.9	13	223.5	211.7	16.3	0.1	1.4	1004	234.3	232.9	206.5	195.9	231.3
Pioneer	P0924Q	Qrome	LL,RR2	220.3	14	216.5	212.4	18.0	0.1	1.9	985	222.2	229.6	199.1	189.5	261.0
Prairie Hybrid Seeds	5883/5881	None	None	219.9	15	214.9	221.9	18.1	0.2	0.9	983	224.8	222.3	186.1	197.3	267.5
Viking	84-05	None	None	219.2	16	221.4	212.9	16.3	0.3	1.3	996	243.0	222.9	198.5	193.6	244.9
NuTech/G2 Genetics	66C2Q	Qrome	LL,RR2	219.1	17	210.8	220.5	18.0	0.1	0.3	980	196.8	234.7	195.2	206.9	259.9
Dekalb	DKC108-64SSPRIB	SSXP-RIB	LL,RR2	219.1	18	218.0	213.7	17.9	0.0	0.7	981	227.4	228.7	201.3	193.7	246.0
Viking	85-09	None	None	219.0	19	210.0	215.9	17.9	0.6	1.0	980	222.8	219.2	194.3	186.4	268.1
Prairie Hybrid Seeds	3051 Org	None	None	218.7	20	214.7	214.1	16.6	0.0	0.8	991	232.4	228.4	184.8	202.6	241.5
Viking	84-04	None	None	218.6	21	211.3	220.1	16.4	0.4	0.1	993	224.7	217.8	191.4	204.9	255.6
Renk	RK766SSPRO	SSXP	RR2	218.4	22	204.9	215.3	17.8	0.3	1.3	979	194.8	239.5	185.1	204.2	267.4
Renk	RK625DGV2P	DGVT2P-RIB	RR2	218.4	23	213.6	214.5	15.4	0.2	0.7	1000	221.9	221.8	195.8	197.4	249.1
Dyna-Gro	D44DC73RIB	DGVT2P-RIB	RR2	218.0	24	219.2	205.9	15.8	0.1	0.8	995	238.5	226.3	189.7	182.6	253.3
Cornelius Seed	C6724SS	SSX	LL,RR2	217.9	25	217.5	214.4	16.7	0.0	1.8	986	210.8	237.8	197.6	192.0	250.8
Viking	72-06	None	None	217.4	26	218.3	204.3	16.6	0.1	0.6	986	236.2	230.9	195.9	182.3	244.1
Cornelius Seed	C6472TRE	TRC	LL,RR2	217.1	27	213.7	210.2	15.4	0.2	0.5	995	220.3	230.0	194.6	183.8	257.4
Four Star	6D47	VT2P-RIB	RR2	216.3	28	211.3	208.7	17.0	0.0	2.6	976	227.3	227.5	186.8	175.8	268.6
Legacy Seeds	LC594-21	VT2P-RIB	RR2	216.0	29	216.7	216.2	18.1	0.1	1.5	965	226.5	221.3	195.2	184.3	252.7
Epley Brothers Hybrids	E1530	None	None	214.7	30	217.0	202.5	16.4	0.1	0.8	975	228.5	224.4	194.6	184.8	242.8
Renk	RK773TRE	TRC	RR2	214.0	31	207.8	210.1	18.4	0.1	1.0	954	214.5	228.1	181.6	184.1	264.1
Renk	RK707TRE	TRC	RR2	213.8	32	215.1	197.3	15.4	0.1	0.6	979	242.0	224.2	185.4	176.9	237.8
Dekalb	DKC57-45VT2PRIB	VT2P-RIB	RR2	213.3	33	211.1	209.6	16.9	0.0	0.7	964	220.1	213.0	196.9	193.6	243.4
Legacy Seeds	LC554-21	SSX	LL,RR2	213.2	34	209.7	206.3	16.7	0.1	1.6	965	233.8	219.9	182.4	187.9	242.1
Four Star	6D33	VT2P-RIB	RR2	213.0	35	215.9	199.0	14.9	0.2	1.4	980	237.4	223.0	187.0	173.6	242.5
Four Star	EXP 2302	TRC	RR2	212.0	36	213.6	202.3	16.2	0.6	3.3	964	230.3	226.8	189.0	190.5	226.4
Latham	LH 5668	SSXP-RIB	LL,RR2	210.7	37	215.7	201.2	17.2	0.3	1.6	949	223.1	217.6	198.7	171.9	240.1
Cornelius Seed	C6824PCE	PCE	LL,RR2	209.5	38	200.5	203.7	18.5	0.0	1.9	933	209.9	219.5	176.5	188.8	253.5
NuTech/G2 Genetics	65D3Q	Qrome	LL,RR2	208.8	39	203.5	207.1	17.7	0.1	0.4	936	209.8	217.1	179.5	184.5	247.9
Cornelius Seed	C6847TRE	TRC	RR2	208.2	40	201.3	204.1	17.7	0.6	1.1	935	210.8	229.5	167.7	165.3	267.9
Renk	RK720TRE	TRC-RIB	RR2	207.8	41	209.9	189.3	15.8	0.0	0.6	949	235.3	230.2	182.4	165.4	228.3
Cornelius Seed	C6645PCE	PCE	LL,RR2	203.4	42	207.5	200.0	17.6	0.1	0.3	914	208.6	218.9	184.1	181.4	225.2
Prairie Hybrid Seeds	5851 Org	None	None	202.3	43	206.4	190.6	18.0	0.0	1.9	905	216.6	221.1	184.0	160.0	232.6
Renk	RK703PWE	PC	RR2	200.8	44	199.8	187.1	17.6	0.1	0.4	902	223.7	209.2	168.4	182.5	220.5
Latham	LH 5556	PC	None	200.2	45	199.9	192.8	17.2	0.2	0.1	903	217.2	208.4	174.7	175.0	226.9
Prairie Hybrid Seeds	5142/5141	None	None	198.9	46	187.7	202.0	17.9	0.0	0.8	890	179.9	201.9	182.4	197.4	232.5
Experiment Mean				216.6		214.3	210.8	17.1	0.1	1.1	977	225.1	225.9	192.1	190.0	250.3
Minimum Mean				198.9		188.2	191.4	14.9	0.0	0.0	890	179.9	201.9	167.7	160.0	220.5
Maximum Mean				229.7		229.4	228.2	18.5	0.6	3.3	1045	243.0	247.8	210.9	216.6	278.2
LSD(0.25)				7.4		8.5	9.4	0.6	0.3	0.9		8.6	7.8	9.3	17.9	9.8
Coefficient of Variability				5.6		4.2	6.6					4.0	3.7	5.0	9.9	4.3



**SOUTH DAKOTA
STATE UNIVERSITY**
College of Agriculture, Food
and Environmental Sciences

South Dakota State University Extension
South Dakota Agricultural Experiment Station at SDSU

2023 South Dakota Conventional Soybean Variety Trial Results South Shore

Jonathan Kleinjan | SDSU Extension Agronomist
Kevin Kirby | Agricultural Research Manager
Shawn Hawks | Agricultural Research Manager

Location: 8.5 miles west of South Shore in Codington County, SD
45.105924°, -97.096977°

Cooperator: SDSU Northeast Research Farm

Soil Type: Kranzburg-Brookings silty clay loams, 0-2% slopes

Fertilizer: none

Previous crop: corn

Tillage: conventional

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide: Pre: 1 pt/acre Dual II Magnum + 8 oz/Antares
Post: 12 oz/acre Tapout

Insecticide: none

Date seeded: 5/19/2023

Date harvested: 10/19/2023

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2023 South Dakota Conventional Soybean Variety Trial Results South Shore

**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

Table 1. Conventional soybean performance results (average of 4 replications - **Maturity Groups 0 & I**) at South Shore, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Ag Performance	AP 1621	1.6	64.6	14.2	1.0
Miller Hybrids	1538	1.5	62.7	14.0	1.0
SD AES	BROOKINGS	1.7	62.2	15.0	1.0
Virtue	V1621	1.6	61.2	14.0	1.0
Check	AG15XF2	1.5	60.3	14.4	1.0
Ag Performance	AP 1321	1.3	59.6	14.6	1.0
Viking Seed	VK 1518N	1.5	58.5	14.1	1.0
Richand IFC	MK146	1.1	54.0	14.7	1.0
Viking Seed	VK 0821N	0.8	53.9	15.3	1.0
MN AES	MN1807CN	1.8	53.5	14.2	1.0
Brushvale Seed	BS1799	1.5	53.0	14.7	1.0
Viking Seed	VK 1223N	1.2	52.7	14.4	1.0
Brushvale Seed	BS91614	1.0	50.8	15.4	1.0
Ag Performance	AP 720	1.0	49.5	14.9	1.0
Richand IFC	MK0603	0.6	48.4	15.6	2.0
Richand IFC	MK1023	1.0	46.7	16.4	1.0
Richand IFC	MK9101	1.1	46.5	11.5	1.0
Richand IFC	MK808CN	0.8	44.9	16.5	1.3
Richand IFC	MK41	1.1	43.9	15.4	1.5
Richand IFC	MK9102	1.2	43.5	14.2	2.0
Richand IFC	MK1423	1.4	43.3	15.9	1.0
Richand IFC	MK9103	1.3	42.5	13.2	1.5
Richand IFC	DECKER	1.0	37.4	13.3	1.3
Richand IFC	SABLE	1.2	36.3	13.8	1.5
Trial Average			51.8	14.5	1.1
LSD (0.05)†			8.8	0.4	-
C.V.‡			6.5	-	-

* Lodging Score (1 = no lodging to 5 = flat on the ground)
† Yield or moisture value required (\geq LSD) to determine if varieties are significantly different from one another.
‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.

2023 Hybrid Corn Test Results: Region 2 (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	Relative Maturity	Regional Results		Monmouth		Goodfield		
						Yield bu/a	Moisture %	Yield bu/a	Moisture %	Yield bu/a	Moisture %	
Early RM												
AXIS	59D50RIB	109	M	C2 R3 L3	B	249	18.2	259	14.6	239	21.8	
AXIS	59R27RIB	109	L	C2	B	269	20.6	290	14.8	249	26.4	
Channel	207-87VT2PRIB	107	M	C2	G	286	19.1	305	13.8	267	24.3	
Cornelius	C6472TRE	104	L	C	L	G	275	17.1	297	13.5	253	20.8
Cornelius	C6578PC	105	L	C	L	B	256	18.4	276	15.8	237	21.0
Cornelius	C6847TRE	108	L	C	L	G	282	18.8	292	14.2	272	23.3
Cornelius	C6936SS	109	L	C R	L	B	277	21.2	279	15.7	276	26.8
NuTech	66D1AM	106					275	20.4	284	16.5	266	24.3
NuTech	68A7AM	108					276	21.3	285	15.7	266	26.8
NuTech	70B4AM	110					286	21.1	312	16.1	260	26.2
Sun Prairie Seeds	SP2562	109	M	C2	L	G	276	21.1	278	16.4	275	25.8
Non-GMO Hybrids												
Prairie	3051	105					275	19.4	290	14.3	261	24.6
Prairie	3259	105					272	17.8	284	14.4	260	21.3
Prairie	5142	109					251	20.0	283	16.0	220	23.9
Prairie	5851	109					259	20.9	282	16.1	237	25.7
Prairie	5883	109					283	19.6	309	15.7	257	23.6
Viking	85-09	109	L				278	20.5	314	16.2	242	24.8
	Average						269	19.8	285	15.5	253	24.1
	L.S.D 25% Level						15	1.5	17	1.0	10	1.7
	CV (%)						8	10.8	6	6.8	4	7.3
Any RM												
AXIS	60N61	110	L	C2		B	276	21.3	294	16.3	259	26.2
AXIS	62B56RIB	112	M	C2 R3 L3		B	279	23.1	297	18.0	262	28.2
AXIS	63F60RIB	113	M	C3 R3 L3		B	287	22.6	298	16.9	277	28.4
AXIS	63W23RIB	113	L	C2		B	269	20.9	287	17.4	251	24.4
AXIS	66V66RIB	116	M	C3 R3 L3		B	282	28.8	319	21.4	244	36.1
Burrus	7F33 VT2P	114	M	C2		G	286	23.4	301	17.9	272	28.9
Burrus	7P71 VT2P	115	M	C2		G	279	24.9	292	16.9	267	32.8
Channel	210-08VT2PRIB	110	M	C2		G	273	19.7	291	15.1	255	24.4
Channel	210-46VT2PRIB	110	M	C2		G	262	17.9	280	13.9	244	21.9
Channel	211-11VT2PRIB	111	M	C2		G	280	19.8	281	15.3	278	24.3
Channel	212-52SSPRIB	112	M	C2 R3		B	280	19.6	299	15.5	260	23.8
Channel	214-78DGVT2PRIB	114	M	C2		G	290	23.1	317	17.1	264	29.2
Channel	215-70TRERIB	115	M	C2	G	G	298	26.7	339	19.5	258	33.8

2023 Hybrid Corn Test Results: Region 2 (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	Relative Maturity	Regional Results		Monmouth		Goodfield	
						Yield bu/a	Moisture %	Yield bu/a	Moisture %	Yield bu/a	Moisture %
Channel	216-82STXRIB	116	M C2 R3		B	271	26.3	300	18.6	241	34.0
Channel	217-01VT2PRIB	117	M C2		G	275	21.2	285	16.6	264	25.8
Cornelius	C7021DP	110	L C	L	G	254	19.0	251	14.6	256	23.4
Cornelius	C7048SSP	110	L C R	L	B	275	20.8	290	15.3	260	26.3
Cornelius	C7202SSP	112	L C R	L	B	280	23.6	293	17.5	268	29.7
Cornelius	C7235PC	112	L C	L	B	283	23.2	305	17.7	262	28.7
Cornelius	C7308SS	113	L C R	L	B	277	20.7	292	16.7	262	24.7
Cornelius	C7357DP	113	L C	L	G	265	20.7	285	16.1	245	25.3
Cornelius	C7366DGDP	113	L C	L	G	307	21.5	343	17.0	271	26.0
Cornelius	C7448PC	114	L C	L	B	271	24.2	318	18.6	223	29.9
Cornelius	C7450SS	114	L C R	L	B	290	22.9	317	17.1	264	28.7
Cornelius	C7590DP	115	L C	L	G	274	24.0	299	17.4	248	30.6
Dyna-Gro	D48SS50	108				273	18.5	293	15.3	253	21.8
Dyna-Gro	D50VC09	110				264	18.5	289	13.3	239	23.8
Dyna-Gro	D53SS13	113				287	21.8	305	16.7	270	26.9
Dyna-Gro	D56TC44	116				272	21.5	282	18.0	262	25.1
NuTech	68A9AM	108				274	21.2	295	15.4	252	27.1
NuTech	70F6Q	110				299	20.0	327	16.4	272	23.6
NuTech	71A2AM	111				269	22.2	297	16.7	241	27.6
NuTech	72A5Q	112				278	20.8	308	16.9	248	24.7
NuTech	73A4AM	113				278	24.2	318	19.3	237	29.1
NuTech	73A6Q	113				271	21.1	298	17.1	245	25.2
NuTech	74C4AM	114				262	20.9	307	15.9	218	25.9
NuTech	75C1AM	115				267	25.2	306	20.1	228	30.3
NuTech	77A5AM	117				280	23.6	316	19.3	245	27.8
Power Plus	5J21AM	110	M C2		B	272	21.6	309	16.2	236	27.0
Power Plus	6W81 AM	113	M C2		B	260	22.9	300	17.2	219	28.6
Renk	RK811PWE	111	M C2	L	G	273	24.9	302	16.7	245	33.1
Renk	RK876VT2P	113	M C2		G	299	23.5	308	18.5	290	28.6
Renk	RK895DGVT2P	113	M C2		G	267	23.3	282	18.1	251	28.6
Renk	RK907SSTX	115	M C2 R3		B	270	21.1	288	17.0	252	25.2
Renk	RK915VT2P	115	M C2		G	282	23.8	319	18.0	244	29.6
Renk	RK940SSTX	115	M C2 R3		B	287	24.1	303	18.7	270	29.6
Renk	RK958VT2P	115	M C2		G	293	22.7	320	16.8	267	28.7
Stone Seed	0904SP	109	M C3 R3	L2	B	260	19.0	283	14.1	236	23.8
Stone Seed	1103SS	111	M C3 R3	L2	B	268	22.5	282	16.1	253	29.0
Stone Seed	1303SP	113	M C3 R3	L2	B	258	24.3	268	16.2	248	32.5
Stone Seed	1304TRE	113	M C3	L3	G	263	21.6	288	15.9	239	27.2

2023 Hybrid Corn Test Results: Region 2 (36,500 ppa)

Company	Name	IST ¹	GT ²	HT ³	Relative Maturity	Regional Results		Monmouth		Goodfield	
						Yield bu/a	Moisture %	Yield bu/a	Moisture %	Yield bu/a	Moisture %
Stone Seed	1403TRE	114	M C3	L3	G	282	21.5	310	16.8	254	26.1
Stone Seed	1504TRE	115	M C3	L3	G	274	22.6	308	16.2	240	29.1
Studer	P1151AM	111	H C2		B	253	20.3	277	17.4	229	23.3
Studer	P1197A	111	H C2		B	273	22.9	296	16.9	249	28.9
Sun Prairie Seeds	SP2562	109	M C2	L	G	275	19.8	285	14.7	265	25.0
Sun Prairie Seeds	SP2788	113	M C2		G	266	21.7	276	16.6	255	26.7
Sun Prairie Seeds	SP2789	112	M C2		G	286	24.8	301	18.0	271	31.5
Non-GMO Hybrids											
Prairie	6590	111				252	20.1	266	15.6	238	24.6
Prairie	6878	112				268	22.6	285	17.7	250	27.5
Prairie	7461	112				265	25.2	299	17.9	230	32.5
Prairie	8683	115				280	23.3	318	19.4	242	27.1
Prairie	8864	114				271	20.6	297	15.7	246	25.5
Prairie	8960	115				274	25.0	292	18.6	255	31.4
Prairie	9703	116				278	25.4	304	18.3	251	32.4
	Average					275	22.1	298	16.8	251	27.4
	L.S.D 25% Level					18	2.0	13	0.7	16	2.2
	CV (%)					10	13.2	5	4.7	7	8.6

¹Insecticide Seed Treatment: L = Low rate, M = Medium rate, H = High rate

²Genetic Traits: C= Corn Borer, R= Root Worm, L= Other Lepidoptera, Number following the letter indicates how many traits are expressed

³Herbicide Traits: G= Glyphosate, U= Glufosinate, B= Both

	Monmouth	Goodfield
Location	Warren	Tazewell
County	Warren	Tazewell
Site Location	Click to see map	Click to see map
Host	Greg Steckel	Dan and Jason Magarity
Soil type	Sable silty clay loam	Sable silty clay loam
Planting date	May 9, 2023	May 18, 2023
Harvest date	October 17, 2023	October 4, 2023
Nitrogen applied	175 lbs. as PPI UAN	200 lbs as fall NH3

Pesticides

PRE	Harness Xtra	Resicore
POST	Armezon Pro	Laudis, Aatrex
Fungicide	None	Yes
Tillage		
Spring	Field cultivate	Field cultivate
Fall	Disk ripper	None
Latitude	40.92619716	40.67491215
Longitude	-90.72482985	-89.32718802

RainFall

April	2.4	1.6
May	1.4	3.3
June	3.6	3.4
July	5.6	3.8
August	3.9	3.1
September	2.2	4.8
Total	20.1	20.0

2023 Corn Grain Top 30 Region Summary for Iowa North Central [IANC]

Full-Season Test
107 - 111 Day CRM
 B2023IANCb

Top 30 of 54
 For Gross Income (Sorted by Yield), (18) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Britt	Greene	Ionia	Iowa Falls	Osage	Waterloo	
NUTECH	70F6Q ↗	QR	110	236.4	20.0	4	1040	1	256.4	199.1	239.7	200.0	253.2	270.0	
NUTECH	70B4AM ↗	AM	110	234.1	19.8	9	1032	3	280.3	204.8	231.2	197.5	237.0	253.8	
PIONEER	P1185AM GC ↗	AM	111	233.8	20.6	4	1022	6	256.1	179.7	235.3	211.5	238.5	281.7	
HEFTY	H6064 ↗	STX	110	233.2	21.3	7	1013	8	251.4	195.6	256.2	195.6	253.0	247.7	
KRUGER	K1139SS ↗	STX	111	232.8	19.8	6	1025	5	256.6	183.2	280.7	224.2	216.5	235.4	
NUTECH	68C1Q ↗	QR	108	231.8	18.8	6	1031	4	260.7	165.8	247.5	214.0	271.6	231.2	
ROB-SEE-CO	RC6131-SS ↗	STX	111	231.7	20.4	5	1016	7	246.8	200.2	254.7	203.4	247.3	237.7	
WYFFELS	W5019 ↗	STXP	107	231.2	17.8	1	1038	2	269.2	172.7	234.0	232.2	244.9	234.2	
FS INVISION	FS 5935X RIB ↗	STX	109	229.8	19.9	7	1012	9	255.1	188.1	228.3	220.2	249.0	238.2	
PIONEER	P0953AM GC ↗	AM	109	226.8	19.1	10	1007	10	269.7	191.1	232.9	176.7	239.7	250.9	
PROHARVEST	79P87 SSRIB ↗	STX	109	225.5	19.2	3	1000	12	233.2	170.6	257.3	225.1	244.2	222.9	
RENK	RK811PWE ↗	PCE	111	224.6	20.3	7	985	18	254.7	194.1	213.7	198.0	253.1	234.0	
TITAN PRO	31-10 PCE ↗	PCE	110	224.1	20.6	6	982	23	259.6	171.2	243.9	196.4	237.6	235.9	
KRUGER	K0783DP ↗	VT2P	107	224.0	18.1	6	1002	11	259.0	184.3	242.4	192.0	223.8	242.2	
INTEGRA	6061 STXRIB ↗	STX	110	223.9	19.8	4	988	16	248.5	190.6	229.3	217.2	231.0	226.8	
PIONEER	P1164AM GC ↗	AM	111	223.9	20.4	3	982	22	263.4	174.2	239.7	212.8	232.2	220.9	
RENK	RK766SSPRO ↗	STXP	109	223.1	18.8	1	993	14	262.1	168.9	235.8	225.1	227.9	218.9	
CORNELIUS	C6847TRE ↗	TRE	108	223.0	18.6	5	994	13	249.0	179.6	250.7	205.7	217.5	235.8	
RENK	RK773TRE ↗	TRE	109	222.3	19.2	4	985	19	249.6	188.3	230.6	190.3	225.7	249.6	
PROHARVEST	81P88 TRERIB ↗	TRE	111	222.3	19.3	4	984	20	246.9	181.0	248.9	216.9	207.8	232.2	
CORNELIUS	C7021DP ↗	VT2P	110	222.2	19.2	3	986	17	274.5	191.7	221.9	194.1	216.6	234.5	
NUTECH	68A9AM ↗	AM	108	221.7	18.6	4	989	15	270.6	187.4	265.1	152.8	230.8	223.6	
KRUGER	K0957SP ↗	STXP	109	221.6	19.0	4	983	21	239.0	169.8	248.2	212.2	232.6	227.9	
FS INVISION	FS 6133VDG RIB ↗	VT2PDG	111	220.9	19.1	6	980	24	243.0	210.4	230.4	198.8	209.8	233.0	
WYFFELS	W6886 ↗	VT2P	111	220.7	19.9	7	971	28	237.1	199.3	250.9	183.4	204.7	248.7	
WYFFELS	W5406 ↗	VT2P	108	219.9	19.0	2	976	27	246.1	180.3	245.8	195.7	212.1	239.6	
KRUGER	K1191DT ↗	TRE	111	219.8	18.8	1	978	25	241.8	179.9	225.1	221.7	214.4	235.9	
ROB-SEE-CO	RC5704-SSP ↗	STXP	107	218.7	18.3	3	977	26	251.5	182.5	228.8	212.5	223.0	213.6	
FS INVISION	FS 6017V RIB ↗	VT2P	110	216.0	18.0	1	967	29	248.7	175.1	217.9	204.2	223.2	226.7	
INTEGRA	CXINT108VT ↗	VT2P	108	215.3	17.9	8	965	30	250.8	182.6	248.9	169.4	218.5	221.7	
PIONEER	P0622Q CK	QR	106	209.8	18.5	2	936	40	244.7	170.0	211.8	178.2	226.8	227.6	
<i>Corey Rozenboom</i>				Averages =	218.4	19.4	5	966		250.4	180.3	234.3	188.1	223.9	233.5
				LSD (0.10) =	11.6	0.7	ns			13.1	11.3	16.9	25.5	14.3	10.7
Corey Rozenboom				LSD (0.25) =	6.1	0.3	ns			6.9	5.9	8.9	13.4	7.5	5.6

corey.rozenboom@firstseedtests.com, (319) 830-8886

Prev. years average yield for region: 199.52 bu/a, 22 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$4.60

† 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. Oil and Protein values are average results of 1 sample per location.

Additional reports available at www.firstseedtests.com

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Report Date: 10/20/2023

2023 Corn Grain - Iowa North Central [IANC]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Anderson	472SRC	STX	Y*	106	AC,P5
Anderson	528TRE	TRE	Y*	102	AC,P2
Augusta	A1954 PCE	PCE	N	104	CM,C2
Augusta	A1956-PWE	PCE	N	106	AC,P5V
Augusta	A2154	CONV	N	104	CM,C2
Blue River	49M23	CONV	U	103	Treated
Cornelius	C6472TRE	TRE	N	104	AC,P5V,EDC-B
Cornelius	C6578PC	PCE	N	105	AC,P5V
Cornelius	C6645PC	PCE	N	106	AC,P5V
DeKalb	DKC56-65RIB GC	STX	Y	106	AC,P5V,EDC-EL
Epley	E1530	CONV	N	105	Vi5
Epley	E1540	CONV	N	105	Vi5
FS InVision	FS 5125L1A EZR	AA	Y	101	AC,P5V,EDC-EL
FS InVision	FS 5335P RIB	STXP	Y	103	AC,P5V,EDC-EL
FS InVision	FS 5525VDG RIB	VT2PDG	Y	105	AC,P5V,EDC-EL
FS InVision	FS 5594X RIB	STX	Y	105	AC,P5V,EDC-EL
Golden Harvest	G01B63-AA	AA	Y	101	CM,C5,Va
Golden Harvest	G03B19-AA	AA	Y	103	CM,C5,Va
Hefty	H5254	STX	N	102	HC
Hefty	H5432	VT2P	N	104	HC
Hefty	H5442	VT2P	N	104	HC
Hefty	H5655	TRE	N	106	HC
Integra	5443 DGVT2PRIB	VT2PDG	N	104	AC,P5V,SU+Zn
Integra	5584 PWE	PCE	N	105	AC,P5V
Kruger	K0151SP	STXP	Y	101	AC,P5V
Kruger	K0377SS	STX	Y	103	AC,P5V
Kruger	K0475SP	STXP	Y	104	AC,P5V
Kruger	K0551DP	VT2P	Y	105	AC,P5V
NuTech	63A5AM	AM	Y	103	Lum, L1
NuTech	64B5Q	QR	Y	104	Lum, L1
NuTech	65D3Q	QR	Y	105	Lum, L1
NuTech	66C2Q	QR	Y	106	Lum, L1
NuTech	66D1AM	AM	Y	106	Lum, L1
Pioneer	P0339Q GC	QR	Y	103	Lum, L1
Pioneer	P0622Q CK	QR	Y	106	Lum, L1
Prairie Hybrids	3051ORG	CONV	N	105	CM,C2,Vi,Va
Prairie Hybrids	4470	CONV	N	106	MQ
Renk	RK625DGVT2P	VT2PDG	N	104	AC,P2
Renk	RK628VT2P	VT2P	N	102	AC,P5V,B300
Renk	RK703PWE	PCE	N	106	Lum,P5V
Renk	RK707TRE	TRE	N	105	AC,P5V,B300
Renk	RK720TRE	TRE	N	106	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	RC5188-SSP	STXP	Y	101	AC,P5V,EDC-EL
Rob-See-Co	RC5422-PCE	PCE	N	104	CM,C2,Vi,Va
Rob-See-Co	RC5610-PCE	PCE	N	106	CM,C2,Vi,Va
Rob-See-Co	RC5694-VT2P	VT2P	Y	106	AC,P2
Titan Pro	24-05 PCE	PCE	N	105	CM,C2,Vi,Va
Titan Pro	32-06 SSP	STXP	Y	106	AC,P5V
Titan Pro	34-04 DG2P	VT2PDG	Y	104	AC,P2
Titan Pro	36-06	CONV	N	106	CM,C2,Vi,Va
Titan Pro	84-01	CONV	N	101	CM,C2,Vi,Va
Viking Blue River	24-01	CONV	U	101	AC,P2
Viking Blue River	72-06	CONV	N	106	CM,C2,Sb
Viking Blue River	84-04	CONV	N	104	AC,P2
Viking Blue River	84-05	CONV	N	105	CM,C2,Sb
Wyffels	W2595	TRE	N	101	AC,P5
Wyffels	W2629	STXP	N	101	AC,P5
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

* 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 Grain - Iowa North Central [IANC]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1958-DV	DV	N	108	CM,C2
Cornelius	C6847TRE	TRE	N	108	CM,C2,Vi,Va
Cornelius	C7021DP	VT2P	N	110	CM,C2,Vi,Va
Cornelius	C7048SSP	STXP	N	110	AC,P5V,EDC-EL
Epley	E2120	CONV	N	111	Vi5
FS InVision	FS 5935X RIB	STX	Y	109	AC,P5V,EDC-EL
FS InVision	FS 6017V RIB	VT2P	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6025X RIB	STX	Y	110	AC,P5V,EDC-EL
FS InVision	FS 6133VDG RIB	VT2PDG	Y	111	AC,P5V,EDC-EL
FS InVision	FS 6137PC	PCE	N	111	CM,C2,Vi,Va
Golden Harvest	G10B61-AA	AA	Y	110	CM,C5,Va
Golden Harvest	G11V76-D	D	Y	111	AVC,C1,Va
Hefty	H5862	VT2P	N	108	HC
Hefty	H5944	STX	N	109	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6064	STX	N	110	HC
Hefty	H6145 TRERIB	TRE	Y	111	HC
Integra	5802 VT2PRIB	VT2P	Y	108	AC,P5V,SU+Zn
Integra	6061 STXRIB	STX	Y	110	AC,P5V,SU+Zn
Integra	CXINT108VT	VT2P	Y	108	AC,P5V,SU+Zn,PT
Kruger	K0783DP	VT2P	Y	107	AC,P5V
Kruger	K0915DD	VT2PDG	Y	109	AC,P5V
Kruger	K0957SP	STXP	Y	109	AC,P5V
Kruger	K1139SS	STX	Y	111	AC,P5V
Kruger	K1191DT	TRE	Y	111	AC,P5V
NuTech	68A9AM	AM	Y	108	Lum, L1
NuTech	68C1Q	QR	Y	108	Lum, L1
NuTech	70A8AM	AM	Y	110	Lum, L1
NuTech	70B4AM	AM	Y	110	Lum, L1
NuTech	70F6Q	QR	Y	110	Lum, L1
Pioneer	P0622Q CK	QR	Y	106	Lum, L1
Pioneer	P0953AM GC	AM	Y	109	Lum, L1
Pioneer	P1164AM GC	AM	Y	111	Lum, L1
Pioneer	P1185AM GC	AM	Y	111	Lum, L1
Prairie Hybrids	5851	CONV	N	109	AC,P5V
Prairie Hybrids	5883	CONV	N	109	MQ
ProHarvest	79P49 VT2PRIB	VT2P	Y	109	AC,P5V,Va
ProHarvest	79P87 SSRIB	STX	Y	109	AC,P5V,Va
ProHarvest	81P88 TRERIB	TRE	Y	111	AC,P5V,Va
Renk	RK766SSPRO	STXP	N	109	AC,P5V,B300
Renk	RK773TRE	TRE	N	109	AC,P5V,B300
Renk	RK811PWE	PCE	N	111	Lum,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Rob-See-Co	RC5704-SSP	STXP	Y	107	CM,C2,Vi,Va
Rob-See-Co	RC5802-PCE	PCE	Y	108	CM,C2,Vi,Va
Rob-See-Co	RC5824-SS	STX	Y	108	CM,C2,Vi,Va
Rob-See-Co	RC6131-SS	STX	Y	111	CM,C2,Vi,Va
Titan Pro	30-10	CONV	N	110	CM,C2,Vi,Va
Titan Pro	31-10 PCE	PCE	N	110	CM,C2,Vi,Va
Titan Pro	39-08 PCE	PCE	N	108	CM,C2,Vi,Va
Viking Blue River	85-09	CONV	U	109	CM,C2,Sb
Wyffels	W5019	STXP	N	107	AC,P5
Wyffels	W5406	VT2P	N	108	AC,P5
Wyffels	W6215	TRE	N	109	CM,C2,Vi,Va
Wyffels	W6886	VT2P	N	111	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 Grain Technologies

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
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

NOTE: The refuge component genetics may vary in a refuge blend seed product.

Corn Grain Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
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
AC,P5V,SU+Zn	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn
AC,P5V,SU+Zn,PT	Acceleron® Poncho 500/Votivo, StepUp SP, StepUp Zn with PhycoTerra® ST
AC,P5V,Va	Acceleron® Poncho 500/Votivo, Vayantis®
AVC,C1,Va	Avicta® Complete 1250 with Vayantis®
CM,C2	CruiserMaxx® 250
CM,C2,Sb	CruiserMaxx® 250, SabrEx Inoculant
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
HC	Hefty Complete
Lum, L1	LumiGEN, Lumisure 1250
Lum,P5V	LumiGEN™ Poncho 500/Votivo
MQ	Maxim Quattro
Treated	Treated seed, unspecified
Vi5	Vibrance® Cinco

* Seed treatments may include unspecified plant health promoting components.