

2019 Corn Grain Top 30 Performance Summary for Minnesota Southeast [MNSE]

Early-Season Test

96 - 101 Day CRM

B2019MNSEa

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	Cannon Falls	Dexter	Eyota	Kasson REJECTED	Nerstrand	New Richland
FEDERAL	5280CONV	None	101	242.6	20.8	2	829	2	261.1	246.9	226.4	242.1	248.9	229.9
TITAN PRO	92-99 2P	VT2P,B	99	241.0	20.1	4	830	1	270.7	226.1	248.0	229.2	242.7	217.4
FEDERAL	5280VT2PRIB	VT2P,B	102	238.1	21.0	2	811	4	258.0	211.1	244.3	238.7	260.6	216.6
LATHAM	EX 5035 VT2P	VT2P	100	236.2	20.7	4	808	5	267.8	213.0	241.2	249.6	246.8	212.4
RENK	RK593VT2P	VT2P	96	235.7	20.1	6	812	3	241.7	221.2	246.2	229.2	261.2	208.3
TITAN PRO	84-01	None	101	235.2	20.8	2	804	7	257.2	239.8	221.8	229.2	245.1	212.2
HEFTY	H5132VT2P	VT2P	101	234.9	20.6	3	805	6	262.9	221.2	227.2	229.2	253.3	209.9
NUTECH	56A7Q	QR,B	96	232.4	21.4	2	789	10	241.3	214.1	236.5	229.2	244.7	225.3
FEDERAL	4990VT2PRIB	VT2P,B	99	232.2	21.0	1	792	9	250.6	215.0	248.4	229.2	235.4	211.4
DAIRYLAND	DS-3750AM	AM	97	231.0	20.5	1	792	8	240.8	216.8	241.9	229.2	233.8	221.4
ANDERSON	609R	RR2	98	229.6	20.6	3	786	12	254.0	214.3	240.7	229.2	253.7	185.2
EPLEY	E9840	None	98	229.1	20.5	4	785	13	255.3	213.5	228.2	229.2	237.2	211.5
NORTHSTAR	NS 98-513VT2PRIB	VT2P,B	98	228.8	20.0	5	789	11	256.0	216.2	225.0	229.2	238.4	208.7
GOLD COUNTRY	97-75R2P	VT2P,B	97	228.3	20.2	4	785	16	251.3	214.6	246.8	229.2	231.9	197.0
VIKING	52-00	None	100	228.3	20.2	1	785	14	261.5	219.6	243.3	229.2	235.8	181.2
NK BRAND	NK9930-3010	3010	99	228.1	20.3	5	783	17	248.2	205.6	254.4	234.4	241.3	190.7
LATHAM	LH4830	None	98	228.0	20.4	3	782	18	255.3	202.0	240.1	229.2	240.8	201.8
VIKING	44-98	None	98	227.9	20.5	5	782	19	258.3	206.1	233.1	229.2	243.2	198.7
LATHAM	LH4937VT2PRIB	VT2P,B	99	227.1	19.8	6	785	15	252.4	203.1	227.0	229.2	240.9	212.2
ANDERSON	6811	None	100	227.1	20.6	1	778	21	250.5	216.9	240.7	229.2	225.6	201.9
VIKING	46-96	None	96	227.0	20.5	3	779	20	252.0	199.3	238.0	229.2	236.1	209.8
EPLEY	E1012SS	STX	100	225.8	20.7	1	772	26	250.3	200.2	222.7	229.2	242.0	213.8
NUTECH	E58A2Q	QR,B	98	225.6	20.8	2	771	27	258.9	212.2	228.7	229.2	222.8	205.1
ANDERSON	6898	None	98	225.5	20.3	1	775	23	244.0	219.1	226.8	229.2	245.0	192.6
HEFTY	H4922VT2PRIB	VT2P,B	99	225.1	20.2	4	774	24	257.3	210.3	242.2	229.2	218.3	197.5
TITAN PRO	85-96	None	96	225.1	20.0	2	776	22	248.0	201.9	220.7	222.3	250.2	204.5
NUTECH	5F-601AM	AM,B	100	225.0	20.9	3	768	30	250.1	211.2	238.3	227.4	235.3	189.9
DAIRYLAND	DS-3519AM	AM,B	96	224.8	20.2	5	773	25	241.6	212.3	228.9	214.6	243.8	197.1
AUGUSTA	A2345	3220,B	96	224.5	20.4	6	770	28	254.4	209.3	230.2	224.8	254.2	174.5
RENK	RK579DGV2P	VT2P,DG,B	98	224.0	20.4	5	769	29	253.8	210.7	221.8	226.9	229.6	204.0
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	220.8	21.7	2	746	41	255.0	196.1	241.6	203.7	224.4	187.0

Data rejected - Not in Summary

Mark Querna

Averages = 223.2 20.5 3 764 246.6 207.4 228.5 221.4 236.0 197.3
LSD (0.10) = 7.8 0.3 3 14.0 18.4 17.8 20.7 14.5 17.6
LSD (0.25) = 4.1 0.2 2 7.3 9.6 9.4 10.9 7.6 9.2

Mark Querna
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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$3.65; non-GMO = \$3.65

† 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. *There were 2 reps for the site.

2019 Corn Grain Top 30 Performance Summary for Minnesota Southeast [MNSE]



Full-Season Test

102 - 106 Day CRM

B2019MNSEb

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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
GOLD COUNTRY	106-96RSS	STX,B	106	248.4	22.8	1	829	2	276.4	238.1	243.2	228.3	251.4	253.0
VIKING	51-04	None	104	247.9	22.0	5	835	1	261.8	244.8	260.5	269.6	250.9	200.0
DAIRYLAND	DS-7004RA	PC,B	104	243.8	22.9	9	813	3	262.8	237.9	245.4	243.5	246.8	226.7
TITAN PRO	82-04 2P	VT2P,B	104	239.6	21.6	1	811	4	263.8	214.4	252.5	231.3	251.6	224.1
AUGUSTA	A2856	3220,B	105	239.6	22.9	3	799	10	274.9	228.6	226.5	235.8	237.1	234.4
DAIRYLAND	DS-4310AM	AM	103	238.2	22.2	3	801	8	276.6	213.4	246.0	227.2	244.6	221.6
NK BRAND	NK0243-3120-EZR	3120,B	102	237.9	21.5	12	806	5	262.7	251.1	234.9	212.5	251.1	215.1
EPLEY	E1503VT2P	VT2P	105	237.7	21.5	1	806	6	257.8	246.8	227.4	226.2	255.0	213.1
PIONEER	P0589 GC	AQ	105	237.6	21.5	1	805	7	262.1	227.0	242.5	214.8	246.7	232.3
EPLEY	E1330	None	103	236.3	21.5	3	801	9	263.0	219.1	233.2	237.1	245.5	220.1
NUTECH	64D1AM	AM,B	104	236.3	22.6	2	791	15	256.6	231.7	233.6	223.2	232.1	240.8
WYFFELS	W4196RIB	VT2P,B	105	236.1	22.0	2	795	12	271.7	202.3	244.4	239.2	257.3	201.8
VIKING	55-02	None	102	236.0	21.9	2	796	11	271.4	226.7	224.0	236.1	238.6	219.0
HEFTY	H5522VT2PRIB	VT2P,B	105	234.2	21.6	1	792	13	267.3	231.1	214.8	224.6	236.3	231.0
LATHAM	LH5487VT2PRIB	VT2P,B	104	234.1	21.8	3	791	14	266.4	219.0	216.3	219.1	251.8	232.2
TITAN PRO	TP 70-06	None	106	232.7	22.1	7	783	18	255.5	240.1	219.4	216.9	234.6	229.7
NUTECH	66B6Q	QR,B	106	232.3	22.4	3	779	23	257.9	219.3	219.5	229.1	239.2	228.8
NK BRAND	NK0472-3110	3110	104	232.3	21.3	3	789	16	254.8	213.5	243.1	251.9	228.3	202.2
WYFFELS	W5086	VT2P	107	232.0	22.1	1	781	20	255.5	222.4	219.6	236.8	242.3	215.3
WYFFELS	W4638	STX	107	232.0	22.6	5	776	27	257.1	232.4	211.2	227.3	231.1	232.7
NUTECH	65H2Q	QR,B	105	231.9	22.1	1	780	21	272.4	228.8	216.7	227.5	220.8	225.1
RENK	RK710DGVT2P	VT2P,DG,B	106	231.5	22.3	4	777	24	268.0	213.0	221.4	232.8	233.4	220.4
HEFTY	H5212VT2PRIB	VT2P,B	102	231.0	21.3	2	786	17	254.6	240.9	189.4	231.9	254.8	214.5
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102	231.0	21.7	8	781	19	281.1	223.1	216.4	211.1	238.7	215.3
VIKING	84-05	None	105	230.9	22.1	3	777	25	270.0	208.5	223.8	225.3	241.1	216.8
DAIRYLAND	DS-4329AM	AM,B	105	230.6	22.2	2	774	29	236.9	229.6	238.8	221.0	239.7	217.3
TITAN PRO	96-06 2P	VT2P,B	106	229.8	21.9	1	776	28	260.6	223.2	214.8	215.9	234.8	229.6
LATHAM	LH5245VT2PRIB	VT2P,B	102	229.5	21.4	3	779	22	276.8	212.4	195.0	221.2	252.3	219.6
GOLDEN HARVEST	G03R40-3110	3110	103	229.1	21.5	4	777	26	247.3	227.5	237.6	219.7	230.0	212.6
RENK	RK621VT2P	VT2P	102	227.7	21.2	6	774	30	244.6	222.2	218.7	229.1	230.3	221.5
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	212.6	22.0	2	716	61	243.6	205.6	215.3	192.6	220.3	198.3

Averages = 226.6 22.0 3 764 255.3 219.1 218.7 219.2 234.5 212.7
LSD (0.10) = 8.9 0.3 3 13.2 20.4 23.6 19.6 17.2 16.6
LSD (0.25) = 4.7 0.2 1 6.9 10.7 12.4 10.3 9.0 8.7

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.4

Drying = \$0.04

Prices: GMO = \$3.65; non-GMO = \$3.65

† 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.

Additional reports available at www.firstseedtests.com

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Report Date: 11/15/2019 Revised:

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	RM
ANDERSON	609R	RR2	98
ANDERSON	611SRC	STX,B	100
ANDERSON	6811	None	100
ANDERSON	6898	None	98
AUGUSTA	A2345	3220,B	96
DAIRYLAND	DS-3519AM	AM,B	96
DAIRYLAND	DS-3715AM	AM,B	98
DAIRYLAND	DS-3750AM	AM	97
DAIRYLAND	DS-3810AM	AM	98
DAIRYLAND	DS-4018AM	AM,AQ,B	101
DEKALB	DKC47-54RIB GC	STX,B	97
DEKALB	DKC50-08RIB GC	STX,B	100
ENESTVEDT	E696SS RIB	STX,B	100
ENESTVEDT	E699DP RIB	VT2P,B	99
EPLEY	E1012SS	STX	100
EPLEY	E9840	None	98
FEDERAL	4680VT2PRIB	VT2P,B	96
FEDERAL	4880VT2PRIB	VT2P,B	98
FEDERAL	4990VT2PRIB	VT2P,B	99
FEDERAL	5280CONV	None	101
FEDERAL	5280VT2PRIB	VT2P,B	102
GOLD COUNTRY	101-60RSS	STX,B	101
GOLD COUNTRY	97-75R2P	VT2P,B	97
GOLD COUNTRY	98-11R2P	VT2P,B	98
GOLD COUNTRY	99-30RSS	STX,B	99
GOLDEN HARVEST	G00H12-3010	3010	100
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97
HEFTY	H4612VT2PRIB	VT2P,B	96
HEFTY	H4732VT2P	VT2P	97
HEFTY	H4812VT2PRIB	VT2P,B	98
HEFTY	H4922VT2PRIB	VT2P,B	99
HEFTY	H5132VT2P	VT2P	101
LATHAM	EX 5035 VT2P	VT2P	100
LATHAM	LH4830	None	98
LATHAM	LH4937VT2PRIB	VT2P,B	99
LATHAM	LH5077VT2PRIB	VT2P,B	100

Company/Brand	Brand/Product	Technology	RM
LATHAM	LH5160	None	101
NK BRAND	NK9610-3010	3010	96
NK BRAND	NK9930-3010	3010	99
NORTHSTAR	NS 97-547SSRIB	STX,B	97
NORTHSTAR	NS 98-513VT2PRIB	VT2P,B	98
NUTECH	56A7Q	QR,B	96
NUTECH	5F-196AM	AM,B	96
NUTECH	5F-601AM	AM,B	100
NUTECH	E58A2Q	QR,B	98
PIONEER	P0157AMXT CK	AMXT,AQ,B	101
PIONEER	P9998AMXT GC	AMXT,AQ,B	99
RENK	RK579DGV2P	VT2P,DG,B	98
RENK	RK587VT2P	VT2P,B	97
RENK	RK593VT2P	VT2P	96
RENK	RK608DGV2P	VT2P,DG,B	100
TITAN PRO	70-98	None	98
TITAN PRO	84-01	None	101
TITAN PRO	85-96	None	96
TITAN PRO	91-00	None	100
TITAN PRO	92-99 2P	VT2P,B	99
VIKING	44-98	None	98
VIKING	46-96	None	96
VIKING	52-00	None	100
VIKING	99-00	None	100

2019 Corn Grain - Minnesota Southeast [MNSE]

Full-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technology	RM
ANDERSON	5303	None	103
AUGUSTA	A2856	3220,B	105
AUGUSTA	A3052	3110	102
DAIRYLAND	DS-4310AM	AM	103
DAIRYLAND	DS-4329AM	AM,B	105
DAIRYLAND	DS-4440AM	AM,B	104
DAIRYLAND	DS-4580AMXT	AMXT	105
DAIRYLAND	DS-7004RA	PC,B	104
DEKALB	DKC54-38RIB GC	STX,B	104
DEKALB	DKC55-53RIB GC	STX,B	105
ENESTVEDT	E539	None	103
EPLEY	E1330	None	103
EPLEY	E1503VT2P	VT2P	105
FEDERAL	5300VT2P	VT2P	103
FEDERAL	5570VT2PRIB	VT2P,B	105
GOLD COUNTRY	102-07RSS	STX,B	102
GOLD COUNTRY	102-88R2P	VT2P,B	102
GOLD COUNTRY	103-23RSS	STX,B	103
GOLD COUNTRY	104-11RSS	STX,B	104
GOLD COUNTRY	106-96RSS	STX,B	106
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102
GOLDEN HARVEST	G03R40-3110	3110	103
HEFTY	H5212VT2PRIB	VT2P,B	102
HEFTY	H5432VT2P	VT2P	104
HEFTY	H5504SSRIB	STX,B	105
HEFTY	H5522VT2PRIB	VT2P,B	105
HEFTY	H5622VT2PRIB	VT2P,B	106
LATHAM	LH5245VT2PRIB	VT2P,B	102
LATHAM	LH5377VT2PRIB	VT2P,B	100
LATHAM	LH5487VT2PRIB	VT2P,B	104
LATHAM	LH5517VT2PRIB	VT2P,B	105
LATHAM	LH5635VT2PRIB	VT2P,B	106
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK0472-3110	3110	104
NORTHSTAR	NS 102-168DGVT2PRIB	VT2P,DG,B	102
NORTHSTAR	NS 105-558VT2P	VT2P	105

Company/Brand	Brand/Product	Technology	RM
NORTHSTAR	NS 106-186SSRIB	STX,B	106
NUTECH	5L-504AMXT	AMXT,B	104
NUTECH	64D1AM	AM,B	104
NUTECH	65H2Q	QR,B	105
NUTECH	66B6Q	QR,B	106
NUTECH	E628AQ	QR,B	102
PIONEER	P0157AMXT CK	AMXT,AQ,B	101
PIONEER	P0306AM GC	AM,AQ,B	103
PIONEER	P0589 GC	AQ	105
PIONEER	P0688AM GC	AM,B	106
RENK	RK621VT2P	VT2P	102
RENK	RK642VT2P	VT2P,B	103
RENK	RK710DGVT2P	VT2P,DG,B	106
RENK	RK717SSTX	STX,B	105
RENK	RK737SSTX	STX,B	106
REV	REV 1247AM GC	AM	101
REV	REV 1587AM GC	AM	105
TITAN PRO	82-04 2P	VT2P,B	104
TITAN PRO	84-03 2P	VT2P,B	103
TITAN PRO	91-02	None	102
TITAN PRO	96-06 2P	VT2P,B	106
TITAN PRO	TP 70-06	None	106
VIKING	42-05	None	105
VIKING	51-04	None	104
VIKING	55-02	None	102
VIKING	84-05	None	105
WYFFELS	W4196RIB	VT2P,B	105
WYFFELS	W4358RIB	STX,B	106
WYFFELS	W4638	STX	107
WYFFELS	W5086	VT2P	107

Footnotes and Abbreviations Descriptions

Brand Footnotes

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.

CK Identifies a check product included in early- and full-season tests.

GC Grower Comparison product included by FIRST when space permits.

Corn Grain Technologies*

3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3330	Agrisure® Viptera® 3330 (Vip,CB,HX,LL,GT)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure® Artesian®	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum® AcreMax® TRIssect (HX,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure® Rootworm
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax® (VT3P,HXT,RR2,LL)
AQ	Optimum® AQUAMax®	TRE	Genuity® Trecepta™
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)		

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