

Early-Season Test

85 - 90 Day CRM

B2019RRSOa

Top 30 of 44

For Gross Income (Sorted by Yield), (20) Replication Average

Company/Brand	Product/Brand	Technol. †	RM	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Barnesville	Fairmount	Rothsay	Wendell	Wheaton
INTEGRA	CX911090	VT2P	90	178.0	21.5	1	547	1	189.1	158.3	191.2	184.0	167.4
TITAN PRO	82-90 2P	VT2P,B	90	177.3	22.4	1	542	2	178.3	159.3	188.2	183.1	177.6
REA	3B902	VT2P,B	90	175.0	21.5	1	539	3	176.0	164.5	167.8	181.7	185.1
LATHAM	LH3937VT2PRIB	VT2P,B	89	174.1	22.2	1	532	9	169.5	140.5	186.9	191.0	182.6
GOLDEN HARVEST	G88F37-3120A-EZR	3120,A,B	88	174.0	21.5	1	535	4	165.8	164.0	179.5	177.5	183.5
HEFTY	H4032VT2P	VT2P	90	173.5	21.7	3	533	7	180.7	158.4	173.0	178.9	176.8
NK BRAND	NK8881-3120A-EZR	3120,A,B	88	173.3	21.4	2	533	6	168.4	164.3	176.3	172.6	184.9
LATHAM	EX 3945 VT2P	VT2P	89	173.1	21.4	1	533	8	185.2	162.6	180.9	162.0	174.9
STINE	9212-10	3010,A	89	172.5	20.8	1	534	5	165.0	152.6	184.3	179.8	181.0
PROSEED	1790VT2PRIB	VT2P,B	90	172.1	22.5	1	525	12	179.3	157.1	174.9	166.3	183.0
HEFTY	H3922VT2PRIB	VT2P,B	89	172.1	21.7	1	528	10	183.2	159.6	176.9	165.0	175.7
NK BRAND	NK8618-3120A-EZR	3120,A,B	86	171.6	22.0	3	526	11	172.0	150.7	182.3	177.0	176.3
RENK	RK408VT2P	VT2P,B	90	170.8	21.9	1	523	14	170.5	154.4	171.9	177.1	180.2
THUNDER	6888 VT2P	VT2P,B	88	170.1	21.2	2	524	13	174.0	165.2	183.5	157.3	170.4
DAIRYLAND	DS-6686	GT	87	169.3	21.1	6	522	15	181.3	130.9	186.9	176.5	171.1
LATHAM	LH695VT2PRIB	VT2P,B	86	167.5	20.1	2	521	17	170.0	154.8	173.1	173.6	165.9
THUNDER	6987 VT2P	VT2P,B	87	167.2	19.9	6	521	16	174.6	147.2	174.8	173.3	166.4
NK BRAND	NK8920-3120-EZR	3120,B	89	166.8	21.6	4	512	21	172.2	163.3	159.3	163.7	175.5
LATHAM	LH3755VT2PRIB	VT2P,B	87	166.5	21.0	1	514	18	171.4	156.9	166.2	171.9	166.2
LATHAM	LH3827VT2PRIB	VT2P,B	88	166.5	21.5	1	513	20	165.1	159.4	172.2	169.2	166.8
THUNDER	6986 VT2P	VT2P,B	86	165.6	20.5	5	513	19	176.6	135.6	175.2	170.2	170.6
INTEGRA	3718	VT2P,B	87	164.7	21.4	3	506	25	180.4	153.8	168.3	160.2	160.9
THUNDER	6090 3120	3120,B	90	164.3	21.8	2	504	26	163.4	146.1	170.7	166.4	175.1
MUSTANG	3287VT2PRIB GC	VT2P,B	87	164.2	20.4	2	510	22	159.7	145.4	165.3	179.2	171.6
RENK	RK278VT2P	VT2P,B	87	163.5	20.2	2	508	23	162.2	138.0	175.5	170.2	171.8
RENK	RK287VT2P	VT2P,B	87	163.3	21.2	2	504	28	163.8	151.4	183.1	150.6	167.8
INTEGRA	3629	VT2P,B	86	163.2	20.0	4	508	24	162.3	135.6	174.6	187.0	156.5
HEFTY	H3622VT2PRIB	VT2P,B	86	163.1	21.1	1	503	29	169.4	147.4	160.6	161.3	177.0
HEFTY	H3632VT2P	VT2P	86	162.8	20.5	1	504	27	164.0	132.5	183.9	164.9	169.0
DAIRYLAND	DS-3030AM	AM	90	160.1	20.4	5	497	30	149.2	150.6	155.9	158.6	186.4
DEKALB	DKC40-78RIB CK	VT2P,B	90	159.4	20.1	2	496	31	168.9	150.4	156.8	151.8	169.2

Averages = **164.6** **21.1** **3** **508** **168.2** **148.6** **167.9** **166.5** **171.8**

LSD (0.10) = 6.7 0.4 2 12.2 11.9 15.0 16.8 11.0

Luke Brendemuhl LSD (0.25) = 3.6 0.2 1 6.4 6.3 7.9 8.8 5.8

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.24

† 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.

Full-Season Test

91 - 95 Day CRM

B2019RRSOB

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For Gross Income (Sorted by Yield), (20) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Barnesville	Fairmount	Rothsay	Wendell	Wheaton
GOLDEN HARVEST	G95M41-3010	3010	95	184.7	22.8	2	562	1	191.8	169.3	197.2	176.1	189.1
RENK	RK561DGV2P	VT2P,DG	95	180.9	23.9	1	546	4	181.0	163.7	178.3	185.7	195.9
LATHAM	EX 4123 3010	3010	91	180.7	22.9	2	550	2	189.9	170.2	168.5	192.4	182.6
TITAN PRO	82-95 2P	VT2P,B	95	180.4	24.1	1	543	5	195.0	164.9	182.6	179.1	180.8
ENESTVEDT	E612RR	RR2	92	180.4	23.3	2	547	3	194.7	152.7	194.8	185.7	174.0
DAHLMAN	R48-28VT2PRIB	VT2P,B	95	179.2	23.9	1	540	7	178.8	159.0	191.1	176.7	190.7
PROSEED	1794VT2PRIB	VT2P,B	94	178.4	23.0	5	541	6	189.5	161.8	184.0	177.7	178.9
HEFTY	H4222VT2PRIB	VT2P,B	92	178.2	24.0	1	537	8	169.2	171.9	182.4	181.3	186.5
HEFTY	H4522VT2PRIB	VT2P,B	95	177.7	25.1	1	531	14	161.7	163.0	184.4	183.2	196.4
HEFTY	H4332VT2P	VT2P	93	176.7	23.4	2	535	9	182.3	159.0	185.1	179.8	177.2
THUNDER	6992 VT2P	VT2P,B	92	176.0	23.5	1	532	10	183.2	155.2	184.0	180.4	177.1
HEFTY	H4322VT2PRIB	VT2P,B	93	175.9	23.5	2	532	11	169.3	165.4	180.0	168.0	197.0
RENK	RK433VT2P	VT2P	92	175.8	23.9	1	530	16	170.6	161.7	177.8	182.4	186.4
THUNDER	6094 VT2P	VT2P,B	94	175.0	23.0	3	531	13	180.6	156.7	188.1	174.3	175.2
DYNA-GRO	D35VC35	VT2P	95	174.9	22.8	4	532	12	176.3	150.4	181.2	173.2	193.3
MUSTANG	5294VT2PRIB GC	VT2P,B	94	173.9	22.6	5	530	15	170.2	156.8	173.6	186.8	182.3
DAHLMAN	R47-26VT2PRIB	VT2P,B	94	173.3	22.7	4	528	17	170.3	154.4	184.9	179.0	177.7
THUNDER	6595 VT2P	VT2P,B	95	173.0	24.5	1	518	24	187.9	160.7	173.9	166.4	176.1
LATHAM	LH4517VT2PRIB	VT2P,B	95	172.4	24.0	2	519	20	167.2	159.6	180.8	173.0	181.6
LATHAM	LH4437VT2PRIB	VT2P,B	94	172.1	23.8	3	519	22	178.1	150.6	179.5	174.3	177.9
LATHAM	LH4454VT2PRIB	VT2P,B	94	171.4	24.6	1	514	25	176.2	164.1	177.1	157.3	182.5
NK BRAND	NK9535-3220-EZR	3220,B	95	171.1	23.0	6	520	18	153.5	160.3	181.7	187.9	172.0
INTEGRA	4119	VT2P,B	91	171.0	23.2	3	519	23	173.3	147.4	179.3	180.9	174.4
PROSEED	1591VT2PRIB	VT2P,B	91	170.9	22.8	2	520	19	179.4	154.0	174.1	175.4	171.7
INTEGRA	4509	VT2P,B	95	170.8	25.3	2	510	28	149.5	159.0	178.7	177.4	189.4
NK BRAND	NK9227-3220A-EZR	3220,A,B	92	170.1	23.8	3	514	26	161.8	164.3	176.3	179.0	169.1
LATHAM	LH4375VT2PRIB	VT2P,B	93	168.8	23.0	8	512	27	167.6	134.0	184.5	170.3	187.4
DAIRYLAND	DS-7294A	3220	94	168.5	24.3	2	506	29	161.6	157.2	172.7	170.3	180.9
TITAN PRO	90-94 2P	VT2P,B	94	165.9	22.6	8	505	30	165.2	131.5	163.1	190.5	179.2
DAIRYLAND	DS-3370AM	AM	93	165.8	23.0	3	504	31	146.9	155.7	175.2	170.2	180.9
DEKALB	DKC40-78RIB CK	VT2P,B	90	168.4	21.1	1	519	21	176.5	141.9	185.5	162.3	175.8

Averages = 171.1 23.4 3 518 170.1 154.5 177.3 175.3 178.5

LSD (0.10) = 6.6 0.4 3 15.7 13.6 12.0 11.2 12.9

Luke Brendemuhl LSD (0.25) = 3.5 0.2 2 8.3 7.1 6.3 5.9 6.7

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.24

† 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.

2019 Corn Grain - Red River South North Dakota & Minnesota [RRSO]

Early-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RM
DAIRYLAND	DS-2989Z	3120	89
DAIRYLAND	DS-3030AM	AM	90
DAIRYLAND	DS-6686	GT	87
DEKALB	DKC40-78RIB CK	VT2P,B	90
DYNA-GRO	D27VC87	VT2P	87
GOLDEN HARVEST	G85Z56-3220-EZR	3220,B	85
GOLDEN HARVEST	G88F37-3120A-EZR	3120,A,B	88
GOLDEN HARVEST	G89A09-3120-EZR	3120,B	89
HEFTY	H3532VT2P	VT2P	85
HEFTY	H3622VT2PRIB	VT2P,B	86
HEFTY	H3632VT2P	VT2P	86
HEFTY	H3922VT2PRIB	VT2P,B	89
HEFTY	H4032VT2P	VT2P	90
INTEGRA	3629	VT2P,B	86
INTEGRA	3718	VT2P,B	87
INTEGRA	3839	VT2P,B	88
INTEGRA	CX911090	VT2P	90
LATHAM	EX 3945 VT2P	VT2P	89
LATHAM	LH3755VT2PRIB	VT2P,B	87
LATHAM	LH3827VT2PRIB	VT2P,B	88
LATHAM	LH3937VT2PRIB	VT2P,B	89
LATHAM	LH695VT2PRIB	VT2P,B	86
MUSTANG	2290VT2PRIB GC	VT2P,B	90
MUSTANG	3287VT2PRIB GC	VT2P,B	87
NK BRAND	NK8618-3120A-EZR	3120,A,B	86
NK BRAND	NK8881-3120A-EZR	3120,A,B	88
NK BRAND	NK8920-3120-EZR	3120,B	89
PROSEED	1790VT2PRIB	VT2P,B	90
REA	2A872	VT2P,B	87
REA	2B862	VT2P,B	86
REA	3A891	STX,B	89
REA	3B902	VT2P,B	90
RENK	RK264RR	RR2	85
RENK	RK278VT2P	VT2P,B	87
RENK	RK287VT2P	VT2P,B	87
RENK	RK312VT2P	VT2P	90

Company/Brand	Brand/Product	Technology	RM
RENK	RK408VT2P	VT2P,B	90
STINE	9212-10	3010,A	89
THUNDER	6085 VT2P	VT2P,B	85
THUNDER	6090 3120	3120,B	90
THUNDER	6888 VT2P	VT2P,B	88
THUNDER	6986 VT2P	VT2P,B	86
THUNDER	6987 VT2P	VT2P,B	87
TITAN PRO	82-90 2P	VT2P,B	90

2019 Corn Grain - Red River South North Dakota & Minnesota [RRSO]

Full-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RM
DAHLMAN	R47-26VT2PRIB	VT2P,B	94
DAHLMAN	R48-28VT2PRIB	VT2P,B	95
DAIRYLAND	DS-3370AM	AM	93
DAIRYLAND	DS-3518AMXT	AMXT,B	95
DAIRYLAND	DS-3550AM	AM	95
DAIRYLAND	DS-7294A	3220	94
DEKALB	DKC40-78RIB CK	VT2P,B	90
DYNA-GRO	D35VC35	VT2P	95
ENESTVEDT	E612RR	RR2	92
GOLDEN HARVEST	G91V51-3110A	3110,A	91
GOLDEN HARVEST	G95M41-3010	3010	95
HEFTY	H4132VT2P	VT2P	91
HEFTY	H4222VT2PRIB	VT2P,B	92
HEFTY	H4322VT2PRIB	VT2P,B	93
HEFTY	H4332VT2P	VT2P	93
HEFTY	H4522VT2PRIB	VT2P,B	95
INTEGRA	4119	VT2P,B	91
INTEGRA	4342	VT2P,B	93
INTEGRA	4509	VT2P,B	95
LATHAM	EX 4123 3010	3010	91
LATHAM	LH4375VT2PRIB	VT2P,B	93
LATHAM	LH4437VT2PRIB	VT2P,B	94
LATHAM	LH4454VT2PRIB	VT2P,B	94
LATHAM	LH4517VT2PRIB	VT2P,B	95
MUSTANG	5294VT2PRIB GC	VT2P,B	94
NK BRAND	NK9175-3110A	3110,A	91
NK BRAND	NK9227-3220A-EZR	3220,A,B	92
NK BRAND	NK9535-3220-EZR	3220,B	95
PIONEER	P9188VT2P GC	VT2P,B	91
PROSEED	1591VT2PRIB	VT2P,B	91
PROSEED	1794VT2PRIB	VT2P,B	94
RENK	RK433VT2P	VT2P	92
RENK	RK561DGV2P	VT2P,DG	95
THUNDER	6094 VT2P	VT2P,B	94
THUNDER	6595 VT2P	VT2P,B	95
THUNDER	6791 VT2P	VT2P,B	91

Company/Brand	Brand/Product	Technology	RM
THUNDER	6992 VT2P	VT2P,B	92
THUNDER	6993 VT2P	VT2P,B	93
TITAN PRO	82-95 2P	VT2P,B	95
TITAN PRO	90-94 2P	VT2P,B	94

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.