

Test by: Northland F.I.R.S.T., LLC Moorehead, MN

2019 Corn Grain Top 30 Harvest Report

North Dakota Southeast [NDSE] OAKES, ND

Tony Gebhardt, Dickey County, ND 58474

Early-Season Test	85 - 90 Day CRM B2019NDSE02a
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Authority MTZ, Roundup Powermax
SOIL DESCRIPTION:	Barnes-Svea loam, non-irrigated
SOIL CONDITION:	Strip-Till, low P, high K, 6.3 pH, 3.3% OM, 17.8 CEC
PEST MANAGEMENT:	Armezon Pro, Roundup Powermax, Sterling Blue, Atrazine
FERTILITY - Applied N:	60 Spring, 86 Planter
Applied N-P-K (units):	146-9-3
SEDED - RATE - ROW:	May 16 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 16 33.6 /A

TEST COMMENTS:

This plot was planted a day after the surrounding field into strip tillage. This year has been 40% wetter than the 10 year average, and has been colder than average coming up a few hundred heat units short. At harvest, cobs were full to the tips, and there was some lodging noticed with a few hybrids. Tony says that they are about 60% done with their corn harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DAIRYLAND	DS-6686	GT	87	179.6	21.2	0	33.3	554	1
GOLDEN HARVEST	G88F37-3120A-EZR	3120,A,B	88	175.4	20.6	5	33.3	544	2
NK BRAND	NK8618-3120A-EZR	3120,A,B	86	173.8	20.7	0	33.3	538	3
PROSEED	1790VT2PRIB	VT2P,B	90	171.8	19.4	0	33.3	538	4
INTEGRA	3839	VT2P,B	88	169.1	20.9	0	34.0	523	5
RENK	RK408VT2P	VT2P,B	90	165.3	20.0	0	34.0	515	6
REA	3B902	VT2P,B	90	163.4	20.5	0	33.7	507	8
NK BRAND	NK8881-3120A-EZR	3120,A,B	88	162.5	20.9	4	33.3	503	9
DEKALB	DKC32-12RIB GC	VT2P	82	161.3	20.0	0	33.3	502	10
INTEGRA	CX911090	VT2P	90	160.6	19.9	0	33.7	501	11
NK BRAND	NK8920-3120-EZR	3120,B	89	159.8	21.3	3	33.3	492	15
GOLDEN HARVEST	G89A09-3120-EZR	3120,B	89	159.7	22.1	2	33.7	489	17
REA	2B861	VT2P,B	86	159.3	16.7	0	33.3	509	7
MUSTANG	3287VT2PRIB GC	VT2P,B	87	158.7	18.9	1	33.7	499	12
INTEGRA	3629	VT2P,B	86	157.6	18.9	0	33.7	495	13
THUNDER	6986 VT2P	VT2P,B	86	157.0	18.8	0	33.7	494	14
DAIRYLAND	DS-2989Z	3120	89	156.1	21.3	10	34.0	481	22
HEFTY	H3712VT2PRIB	VT2P,B	87	156.0	19.6	4	34.0	488	18
REA	2B862	VT2P,B	86	155.6	19.6	0	34.4	486	19
HEFTY	H3922VT2PRIB	VT2P,B	89	155.3	20.1	0	33.7	484	20
RENK	RK287VT2P	VT2P,B	87	154.8	19.9	1	33.7	483	21
HEFTY	H3622VT2PRIB	VT2P,B	86	154.1	20.3	0	34.0	479	23
THUNDER	6987 VT2P	VT2P,B	87	153.9	17.2	0	33.3	490	16
THUNDER	6888 VT2P	VT2P,B	88	153.6	20.5	0	33.3	477	27
GOLDEN HARVEST	G85Z56-3220-EZR	3220,B	85	152.8	19.3	2	33.7	479	24
INTEGRA	3718	VT2P,B	87	151.4	20.2	1	34.0	471	28
PROSEED	1787VT2PRIB	VT2P,B	87	150.4	17.6	2	33.3	478	26
NK BRAND	NK8519-3220-EZR	3220,B	85	149.7	20.3	0	33.7	465	30
DYNA-GRO	D27VC87	VT2P	87	147.7	18.5	0	33.7	466	29
MUSTANG	2283VT2PRIB GC	VT2P,B	83	145.7	17.3	0	33.3	464	31
DEKALB	DKC40-78RIB CK	VT2P,B	90	150.7	17.6	1	33.7	478	25
				Averages =	155.2	19.6	1	33.6	485
				LSD (0.10) =	9.1	0.9	3		
				LSD (0.25) =	4.8	0.5	2		
				C.V. =	6.4				

Luke Brendemuhl

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.24

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2019 Corn Grain Top 30 Harvest Report

North Dakota Southeast [NDSE] OAKES, ND
Tony Gebhardt, Dickey County, ND 58474

Full-Season Test	91 - 95 Day CRM B2019NDSE02b
Top 30 of 32	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Authority MTZ, Roundup Powermax
SOIL DESCRIPTION:	Barnes-Svea loam, non-irrigated
SOIL CONDITION:	Strip-Till, low P, high K, 6.3 pH, 3.3% OM, 17.8 CEC
PEST MANAGEMENT:	Armezon Pro, Roundup Powermax, Sterling Blue, Atrazine
FERTILITY - Applied N:	60 Spring, 86 Planter
Applied N-P-K (units):	146-9-3
SEDED - RATE - ROW:	May 16 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 16 33.6 /A

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Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
PIONEER	P9188VT2P GC	VT2P,B	91	176.3	21.4	0	33.7	543	1
DAIRYLAND	DS-3550AM	AM	95	175.6	23.7	2	33.3	531	2
GOLDEN HARVEST	G95M41-3010	3010	95	173.7	22.9	18	33.3	528	3
HEFTY	H4522VT2PRIB	VT2P,B	95	172.7	25.0	1	33.7	516	10
THUNDER	6094 VT2P	VT2P,B	94	170.9	22.4	0	33.7	522	5
RENK	RK561DGVT2P	VT2P,DG	95	170.6	23.0	0	33.7	519	8
THUNDER	6992 VT2P	VT2P,B	92	169.9	21.3	0	33.3	524	4
MUSTANG	4291VT2PRIB GC	VT2P,B	91	169.6	21.5	0	34.4	522	6
GOLDEN HARVEST	G91V51-3110A	3110,A	91	169.4	22.4	10	34.0	518	9
DYNA-GRO	D35VC35	VT2P	95	169.2	21.4	0	33.3	521	7
MUSTANG	3294VT2PRIB GC	VT2P,B	94	169.0	23.3	1	33.3	512	11
PROSEED	1794VT2PRIB	VT2P,B	94	168.6	23.4	0	34.0	511	13
GOLDEN HARVEST	G95D32-3220-EZR	3220,B	95	168.0	22.8	10	33.7	512	12
NK BRAND	NK9227-3220A-EZR	3220,A,B	92	167.8	24.1	9	33.7	505	16
NK BRAND	NK9535-3220-EZR	3220,B	95	166.2	22.7	14	34.0	506	15
INTEGRA	4509	VT2P,B	95	166.0	24.7	0	34.0	498	23
DAIRYLAND	DS-3518AMXT	AMXT,B	95	165.9	24.3	2	34.0	499	19
PROSEED	1591VT2PRIB	VT2P,B	91	165.3	22.3	0	33.7	505	17
DAIRYLAND	DS-3370AM	AM	93	165.2	21.2	0	33.7	510	14
HEFTY	H4222VT2PRIB	VT2P,B	92	164.9	23.3	0	32.9	500	18
NK BRAND	NK9175-3110A	3110,A	91	164.4	23.1	6	32.9	499	20
DAIRYLAND	DS-7294A	3220	94	163.7	24.1	10	33.3	493	25
RENK	RK433VT2P	VT2P	92	162.1	22.3	0	32.9	496	24
HEFTY	H4332VT2P	VT2P	93	161.7	21.1	0	33.7	499	21
INTEGRA	4119	VT2P,B	91	160.0	19.9	0	33.3	499	22
HEFTY	H4132VT2P	VT2P	91	159.6	22.2	0	32.9	488	26
HEFTY	H4322VT2PRIB	VT2P,B	93	159.6	23.1	0	34.0	485	27
THUNDER	6595 VT2P	VT2P,B	95	155.7	24.1	0	33.3	469	28
THUNDER	6993 VT2P	VT2P,B	93	151.3	21.3	0	34.0	466	29
THUNDER	6791 VT2P	VT2P,B	91	149.2	22.0	4	33.7	457	31
DEKALB	DKC40-78RIB CK	VT2P,B	90	145.9	18.7	0	33.3	459	30

Averages = **164.3** **22.5** **3** **33.6** **501**

LSD (0.10) = 9.9 0.8 5

LSD (0.25) = 5.2 0.4 2

C.V. = 6.6

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.24

2019 Corn - North Dakota Southeast [NDSE]

Early-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	RM
DAIRYLAND	DS-2989Z	3120	89
DAIRYLAND	DS-6686	GT	87
DEKALB	DKC32-12RIB GC	VT2P	82
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	H3712VT2PRIB	VT2P,B	87
HEFTY	H3922VT2PRIB	VT2P,B	89
INTEGRA	3629	VT2P,B	86
INTEGRA	3718	VT2P,B	87
INTEGRA	3839	VT2P,B	88
INTEGRA	CX911090	VT2P	90
MUSTANG	2283VT2PRIB GC	VT2P,B	83
MUSTANG	2290VT2PRIB GC	VT2P,B	90
MUSTANG	3287VT2PRIB GC	VT2P,B	87
NK BRAND	NK8519-3220-EZR	3220,B	85
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	1787VT2PRIB	VT2P,B	87
PROSEED	1790VT2PRIB	VT2P,B	90
REA	2A872	VT2P,B	87
REA	2B861	VT2P,B	86
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	RK408VT2P	VT2P,B	90
THUNDER	6090 3120	3120,B	90

Company/Brand	Brand/Product	Technology	RM
THUNDER	6789 VT2P	VT2P,B	89
THUNDER	6888 VT2P	VT2P,B	88
THUNDER	6986 VT2P	VT2P,B	86
THUNDER	6987 VT2P	VT2P,B	87

2019 Corn - North Dakota Southeast [NDSE]

Full-Season Test Products (32 Total)

Company/Brand	Product/Brand	Technology	RM
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
GOLDEN HARVEST	G91V51-3110A	3110,A	91
GOLDEN HARVEST	G95D32-3220-EZR	3220,B	95
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
MUSTANG	3294VT2PRIB GC	VT2P,B	94
MUSTANG	4291VT2PRIB GC	VT2P,B	91
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
THUNDER	6992 VT2P	VT2P,B	92
THUNDER	6993 VT2P	VT2P,B	93

Footnotes and Abbreviations Descriptions

Brand Footnotes

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

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

GC Grower Comparison product included by FIRST when space permits.

Corn Technologies*

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

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