

2018 Corn Grain Top 30 Harvest Report

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



PREV. CROP/HERB: Soybean / Spartan, Metribuzin, Roundup
SOIL DESCRIPTION: Barnes-Svea loam, well drained, non-irrigated
SOIL CONDITION: Strip-till, low P, very high K, 7.2 pH, 2.5% OM, 19.3 CEC
PEST MANAGEMENT: Armezon Pro, atrazine, Roundup PowerMax
FERTILITY - Applied N: 100 Spring, 79 Planter
Applied N-P-K (units): 179-129-31
SEEDING - RATE - ROW: May 3 33,000 /A 30" spacing
HARVESTED - STAND: Oct 18 31,200 /A

Early-Season Test

85 - 90 Day CRM
B2018NDSE02a

Top 30 of 40

For Gross Income (Sorted by Yield)

Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
REA	3B902	VT2P,B	90	180.1	18.5	0	32.1	489	1
REA	2B861	VT2P,B	86	179.7	18.3	0	31.7	488	2
Renk	RK408VT2P	VT2P,B	90	179.2	20.1	0	32.5	479	8
Mustang	3287VT2PRIB	VT2P,B	87	178.5	18.1	0	30.6	486	3
Latham	LH4015VT2Pro	VT2P	90	178.5	19.5	0	31.0	480	5
Hefty	H3712VT2PRIB	VT2P,B	87	177.0	18.4	0	32.1	481	4
Mustang	2290VT2PRIB	VT2P,B	90	176.5	18.9	0	30.6	477	9
NuTech	5GN-8484	3110,A	84	176.4	18.2	0	31.7	480	6
Golden Harvest	G84J92-3011A	3011,A	85	175.9	19.4	0	31.4	473	10
Proseed	1787VT2PRIB	VT2P,B	87	175.6	17.7	0	30.6	480	7
Hefty	H4012VT2PRIB	VT2P,B	90	172.0	18.4	0	30.2	467	11
Latham	LH3695VT2ProRIB	VT2P,B	86	170.8	18.4	0	30.6	464	12
Renk	RK287VT2P	VT2P,B	87	168.0	18.7	0	31.0	455	14
NK Brand	NK8618-3011A	3011,A	86	167.5	18.6	0	32.1	454	15
Thunder	6888VT2P	VT2P,B	88	167.1	18.8	0	31.0	452	19
Proseed	1790VT2PRIB	VT2P,B	90	167.1	19.1	0	30.2	451	20
Latham	LH3937VT2ProRIB	VT2P,B	89	166.9	18.2	0	30.6	454	16
Hefty	H3922VT2P	VT2P	89	166.6	18.6	0	32.1	451	21
Dekalb	DKC35-88RIB GC	VT2P,B	85	166.2	18.0	0	32.1	453	17
REA	3B891	VT2P,B	89	165.6	17.6	0	31.4	453	18
NuTech	5N-886	3011,A	86	164.1	19.1	0	32.5	443	26
REA	2B872	VT2P,B	87	163.7	18.0	0	30.2	446	23
NuTech/G2 Gen	E5FN-A386	OI	86	163.2	18.1	0	31.4	444	25
Taylor	8190VT2ProRIB GC	VT2P,B	90	163.1	17.9	0	30.6	445	24
Dyna-Gro	D27VC87	VT2P	87	163.0	16.8	0	31.0	449	22
Dairyland	DS-9686	3000GT	86	163.0	19.0	0	31.0	440	28
Thunder	6987VT2P	VT2P	87	162.4	18.0	0	30.6	443	27
Hefty	H3622VT2P	VT2P	86	161.3	18.8	0	31.0	436	29
Thunder	6986VT2P	VT2P	86	158.4	18.3	1	31.7	430	30
Mustang	3286VT2PRIB	VT2P,B	86	153.6	18.2	0	31.4	418	31
Pioneer	P9188AM CK	AM,B	91	170.6	18.5	0	31.0	463	13

Averages = **164.5** **18.4** **0** **31.2** **447**

LSD (0.10) = 9.8 0.8 ns

Luke Brendemuhl LSD (0.25) = 5.2 0.4 ns

luke.brendemuhl@firstseedtests.com, (218) 790-4497 C.V. = 6.6 Prev. years average yield, 160.1 bu/a, 2 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.80; non-GMO = \$2.80

Test Comments: Soil conditions at planting were dry. Surface and subsoil moisture was low due to a dry previous year. The early growing season remained drier than average until July. This area received an estimated 10 to 17 inches of rain in July. At harvest, most hybrids had cobs filled to the tips. Despite same day planting, Tony's surrounding corn was taller, healthier looking, and yielded more.

† 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

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Report Date: 10/19/2018 Revised:

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 SOIL CONDITION: Strip-till, low P, very high K, 7.2 pH, 2.5% OM, 19.3 CEC
 PEST MANAGEMENT: Armezon Pro, atrazine, Roundup PowerMax
 FERTILITY - Applied N: 100 Spring, 79 Planter
 Applied N-P-K (units): 179-129-31
 SEEDING - RATE - ROW: May 3 33,000 /A 30" spacing
 HARVESTED - STAND: Oct 18 31,400 /A

Full-Season Test

91 - 95 Day CRM
 B2018NDSE02b

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For Gross Income (Sorted by Yield)

Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H4522VT2P	VT2P	95	193.3	19.6	0	31.7	519	1
Dyna-Gro	D34VC54	VT2P	94	185.5	19.8	0	31.7	497	2
Latham	LH4437VT2ProRIB	VT2P,B	94	184.0	19.7	0	30.6	494	3
Mustang	3294VT2PRIB	VT2P,B	94	183.7	19.6	0	32.1	493	4
Thunder	6992VT2P	VT2P	92	180.9	18.9	0	31.7	489	5
NuTech	5G-293	3110,A	93	179.2	19.9	0	31.0	480	7
Hefty	H4222VT2P	VT2P	92	178.7	19.7	0	31.4	479	8
Dairyland	DS-7294A	3220	94	178.4	19.8	0	32.1	478	9
Thunder	6791VT2P	VT2P,B	91	177.6	18.4	0	31.4	482	6
Thunder	6794VT2P	VT2P,B	94	177.6	20.6	0	31.0	472	12
Latham	EX4325VT2Pro	VT2P	93	176.7	20.0	0	31.4	473	11
Hefty	H4322VT2P	VT2P	93	176.5	20.5	0	32.1	470	13
REA	3D910	VT2P,DG,B	91	175.3	18.1	0	31.7	477	10
Proseed	1794VT2PRIB	VT2P,B	94	173.6	20.5	0	31.4	462	15
Proseed	1395VT2P GC	VT2P	95	172.4	19.7	0	31.4	462	16
Renk	RK568VT2P	VT2P,B	94	172.3	20.2	0	31.4	460	17
Mustang	2291VT2PRIB	VT2P,B	91	170.3	18.2	0	31.0	463	14
REA	3B923	VT2P,B	92	169.4	20.2	0	31.0	452	18
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	92	167.8	19.7	0	32.1	450	20
Dyna-Gro	D32VC41	VT2P	92	165.8	19.0	0	31.4	448	21
Proseed	1591VT2PRIB	VT2P,B	91	165.8	19.7	0	31.4	445	24
NK Brand	NK9227-3220A-EZR	3220,A,B	92	165.6	19.8	0	31.7	444	25
Renk	RK433RR	RR2	92	165.5	18.8	0	31.7	448	22
Latham	LH4517VT2Pro	VT2P	95	165.0	19.7	0	31.0	443	26
Latham	LH4187VT2Pro	VT2P	91	164.9	18.5	0	31.7	447	23
Thunder	6993VT2P	VT2P	93	160.2	19.7	0	31.4	430	28
NK Brand	NK9505-3110	3110	95	159.8	19.1	0	31.0	431	27
Golden Harvest	G95D32-3220-EZR	3220,B	95	156.3	20.5	0	30.6	416	30
Hefty	H4324SS	STX	93	156.2	20.2	0	30.6	417	29
Renk	8-536VT2P	VT2P	94	149.8	19.9	0	31.7	401	31
Pioneer	P9188AM CK	AM,B	91	167.2	18.8	0	30.6	452	19

Averages = **169.5** **19.6** **0** **31.4** **455**

LSD (0.10) = 13.4 0.8 ns

LSD (0.25) = 7.0 0.4 ns

C.V. = 8.7 Prev. years average yield, 160.1 bu/a, 2 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.80; non-GMO = \$2.80

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Early-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	DS-9686	3000GT	CM,C5,Vi,In	86					
Dairyland	RPM-2918AM	AM,B	CM,C2,R,Lu	85					
Dekalb	DKC35-88RIB GC	VT2P,B	AC,P2	85					
Dyna-Gro	D27VC87	VT2P	AC,P5V	87					
Golden Harvest	G84J92-3011A	3011,A	AVC,C2,Vi	85					
Golden Harvest	G88F37-3010A	3010,A	AVC,C2,Vi	88					
Golden Harvest	G89A09-3120-EZR	3120,B	AVC,C2,Vi	89					
Hefty	H3622VT2P	VT2P	HC	86					
Hefty	H3712VT2PRIB	VT2P,B	HC	87					
Hefty	H3922VT2P	VT2P	HC	89					
Hefty	H4012VT2PRIB	VT2P,B	HC	90					
Latham	LH3695VT2ProRIB	VT2P,B	AC,P5V	86					
Latham	LH3755VT2ProRIB	VT2P,B	AC,P2	87					
Latham	LH3937VT2ProRIB	VT2P,B	AC,P5V	89					
Latham	LH4015VT2Pro	VT2P	AC,P5V	90					
Mustang	2290VT2PRIB	VT2P,B	AC,P2	90					
Mustang	3286VT2PRIB	VT2P,B	AC,P2	86					
Mustang	3287VT2PRIB	VT2P,B	AC,P2	87					
NK Brand	NK8618-3011A	3011,A	AVC,C2,Vi	86					
NK Brand	NK8881-3010A	3010,A	AVC,C2,Vi	88					
NK Brand	NK8920-3120-EZR	3120,B	AVC,C2,Vi	89					
NuTech	5BN-2889	3010	CM,C2,Vi	89					
NuTech	5GN-8484	3110,A	MQ,P5V,R	84					
NuTech	5N-886	3011,A	MQ,P5V,R	86					
NuTech/G2 Gen	E5FN-A386	OI	MQ,P5V,R	86					
Pioneer	P9188AM CK	AM,B	MQ,C2	91					
Proseed	1689VT2PRIB	VT2P,B	AC,P2	89					
Proseed	1787VT2PRIB	VT2P,B	AC,P2	87					
Proseed	1790VT2PRIB	VT2P,B	AC,P2	90					
REA	2B861	VT2P,B	AC,P2	86					
REA	2B872	VT2P,B	AC,P5V	87					
REA	3B891	VT2P,B	AC,P5V	89					
REA	3B902	VT2P,B	AC,P2	90					
Renk	RK287VT2P	VT2P,B	AC,P2	87					
Renk	RK408VT2P	VT2P,B	AC,P2	90					
Taylor	8190VT2ProRIB GC	VT2P,B	AC,P2	90					
Thunder	6789VT2P	VT2P,B	AC,P2	89					
Thunder	6888VT2P	VT2P,B	AC,P2	88					
Thunder	6986VT2P	VT2P	AC,P2	86					
Thunder	6987VT2P	VT2P	AC,P2	87					

2018 Corn Grain - North Dakota Southeast [NDSE]



Full-Season Test Products (32 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	DS-7294A	3220	CM,C5,Vi,In	94					
Dyna-Gro	D32VC41	VT2P	AC,P5V	92					
Dyna-Gro	D34VC54	VT2P	AC,P5V	94					
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	AVC,C2,Vi	92					
Golden Harvest	G95D32-3220-EZR	3220,B	AVC,C2,Vi	95					
Hefty	H4222VT2P	VT2P	HC	92					
Hefty	H4322VT2P	VT2P	HC	93					
Hefty	H4324SS	STX	HC	93					
Hefty	H4522VT2P	VT2P	HC	95					
Latham	EX4325VT2Pro	VT2P	AC,P5V	93					
Latham	LH4187VT2Pro	VT2P	AC,P5V	91					
Latham	LH4437VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4517VT2Pro	VT2P	AC,P5V	95					
Mustang	2291VT2PRIB	VT2P,B	AC,P2	91					
Mustang	3294VT2PRIB	VT2P,B	AC,P2	94					
NK Brand	NK9227-3220A-EZR	3220,A,B	AVC,C2,Vi	92					
NK Brand	NK9505-3110	3110	AVC,C2,Vi	95					
NuTech	5G-293	3110,A	MQ,P5V,R	93					
NuTech	E5GN-A395	3110	AVC,Vi	95					
Pioneer	P9188AM CK	AM,B	MQ,C2	91					
Proseed	1395VT2P GC	VT2P	AC,P2	95					
Proseed	1591VT2PRIB	VT2P,B	AC,P2	91					
Proseed	1794VT2PRIB	VT2P,B	AC,P2	94					
REA	3B923	VT2P,B	AC,P2	92					
REA	3D910	VT2P,DG,B	AC,P5V	91					
Renk	8-536VT2P	VT2P	AC,P2	94					
Renk	RK433RR	RR2	AC,P2	92					
Renk	RK568VT2P	VT2P,B	AC,P2	94					
Thunder	6791VT2P	VT2P,B	AC,P2	91					
Thunder	6794VT2P	VT2P,B	AC,P2	94					
Thunder	6992VT2P	VT2P	AC,P5V	92					
Thunder	6993VT2P	VT2P	AC,P2	93					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks 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*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
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)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
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

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

Corn Seed Treatments**

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

** Seed treatments may include unspecified plant health promoting components.