

2018 Corn Grain Top 30 Harvest Report

North Dakota Southeast [NDSE] KULM
 Lowell Berntson, LaMoure County, ND 58456



PREV. CROP/HERB: Soybean / Liberty
 SOIL DESCRIPTION: Roseglen silt loam, mod. well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 5.9 pH, 4.6% OM, 26.5 CEC
 PEST MANAGEMENT: Volley, Status, atrazine
 FERTILITY - Applied N: 142 Spring
 Applied N-P-K (units): 142-104-0
 SEEDING - RATE - ROW: May 10 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 26 31,200 /A

Early-Season Test

85 - 90 Day CRM
 B2018NDSE05a

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
Mustang	3286VT2PRIB	VT2P,B	86	211.4	18.8	0	31.4	572	1
Renk	RK408VT2P	VT2P,B	90	210.8	19.8	0	30.6	565	2
REA	2B861	VT2P,B	86	208.3	19.3	0	32.1	561	3
Latham	LH4015VT2Pro	VT2P	90	208.1	20.0	0	30.2	557	6
Mustang	2290VT2PRIB	VT2P,B	90	207.1	19.2	0	31.4	558	5
NuTech	5N-886	3011,A	86	206.2	18.9	1	31.4	557	7
Hefty	H3712VT2PRIB	VT2P,B	87	206.0	18.4	1	31.7	559	4
Latham	LH3937VT2ProRIB	VT2P,B	89	205.6	19.5	0	31.0	553	8
NK Brand	NK8618-3011A	3011,A	86	205.3	19.2	0	32.9	553	9
Hefty	H3922VT2P	VT2P	89	202.8	19.0	0	30.6	548	10
Dairyland	DS-9686	3000GT	86	202.1	19.4	0	31.4	544	12
Golden Harvest	G84J92-3011A	3011,A	85	201.8	19.5	1	30.6	542	13
Hefty	H4012VT2PRIB	VT2P,B	90	201.3	20.1	0	31.0	538	14
Latham	LH3695VT2ProRIB	VT2P,B	86	200.1	19.5	0	30.2	538	15
Dyna-Gro	D27VC87	VT2P	87	199.3	19.1	0	31.4	538	16
Latham	LH3755VT2ProRIB	VT2P,B	87	198.4	19.3	1	31.0	534	17
Renk	RK287VT2P	VT2P,B	87	198.2	19.3	0	30.2	534	18
REA	3B902	VT2P,B	90	195.1	19.1	1	32.1	526	19
Hefty	H3622VT2P	VT2P	86	194.2	19.8	1	31.0	520	23
Mustang	3287VT2PRIB	VT2P,B	87	193.6	19.0	0	31.4	523	21
Thunder	6888VT2P	VT2P,B	88	193.5	18.7	0	32.1	524	20
Dekalb	DKC35-88RIB GC	VT2P,B	85	193.0	18.7	0	31.7	523	22
NuTech	5GN-8484	3110,A	84	191.7	19.6	0	31.4	515	24
Proseed	1790VT2PRIB	VT2P,B	90	191.5	19.8	0	31.7	513	26
NK Brand	NK8920-3120-EZR	3120,B	89	190.5	20.2	0	30.2	509	27
NK Brand	NK8881-3010A	3010,A	88	189.8	19.7	0	31.4	509	28
NuTech/G2 Gen	E5FN-A386	OI	86	188.7	18.1	0	31.0	514	25
Thunder	6986VT2P	VT2P	86	187.2	18.8	0	31.7	506	29
Golden Harvest	G89A09-3120-EZR	3120,B	89	185.5	19.8	1	31.0	497	31
REA	2B872	VT2P,B	87	183.6	18.4	0	32.5	498	30
Pioneer	P9188AM CK	AM,B	91	203.7	19.8	0	32.1	546	11
Averages =				193.0	19.2	0	31.2	520	
LSD (0.10) =				9.1	0.5	ns			
LSD (0.25) =				4.8	0.3	ns			
C.V. =				5.2	Prev. years average yield, 197.0 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: *The plot was planted the same day as the surrounding field. We were able to finish right as some light showers arrived. The growing season around Kulm was wetter than average with estimates being 51% wetter than the 10-year average. At harvest, cobs were full to the tip and very minimal lodging was noticed. Harvest has been a struggle due to persistent wet conditions or snow hanging on plants.*

† 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

©2018, all rights reserved by Elite Field Genetics, LLC

Report Date: 11/27/2018 Revised:

2018 Corn Grain Top 30 Harvest Report

North Dakota Southeast [NDSE] KULM
 Lowell Berntson, LaMoure County, ND 58456



PREV. CROP/HERB: Soybean / Liberty
 SOIL DESCRIPTION: Roseglen silt loam, mod. well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 5.9 pH, 4.6% OM, 26.5 CEC
 PEST MANAGEMENT: Volley, Status, atrazine
 FERTILITY - Applied N: 142 Spring
 Applied N-P-K (units): 142-104-0
 SEEDING - RATE - ROW: May 10 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 26 31,300 /A

Full-Season Test
91 - 95 Day CRM
 B2018NDSE05b

Top 30 of 32

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
Dyna-Gro	D34VC54	VT2P	94	241.6	21.7	0	31.7	636	1
Thunder	6794VT2P	VT2P,B	94	234.8	21.7	0	31.4	618	2
Hefty	H4522VT2P	VT2P	95	233.1	21.6	1	31.4	614	3
Latham	LH4437VT2ProRIB	VT2P,B	94	228.4	21.8	0	31.4	601	4
Mustang	3294VT2PRIB	VT2P,B	94	225.1	20.8	0	31.0	598	5
Thunder	6791VT2P	VT2P,B	91	222.5	20.0	0	32.1	595	6
Mustang	2291VT2PRIB	VT2P,B	91	220.3	21.4	0	32.5	582	7
Hefty	H4322VT2P	VT2P	93	217.3	19.8	0	31.4	582	8
Proseed	1794VT2PRIB	VT2P,B	94	216.8	21.4	1	30.2	572	10
NuTech	5G-293	3110,A	93	216.3	21.3	1	31.7	572	11
Latham	LH4517VT2Pro	VT2P	95	215.9	20.8	0	31.4	573	9
Dairyland	DS-7294A	3220	94	215.6	22.2	0	31.0	565	14
Renk	RK433RR	RR2	92	213.6	21.5	1	31.7	563	17
Thunder	6992VT2P	VT2P	92	213.2	20.4	0	31.4	568	12
Latham	EX4325VT2Pro	VT2P	93	213.2	21.0	1	30.6	565	15
Thunder	6993VT2P	VT2P	93	213.0	20.6	0	31.4	567	13
Golden Harvest	G95D32-3220-EZR	3220,B	95	212.6	20.9	0	30.6	564	16
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	92	210.0	21.1	1	31.4	556	18
Renk	RK568VT2P	VT2P,B	94	208.8	21.1	0	31.4	553	21
Dyna-Gro	D32VC41	VT2P	92	208.7	20.6	0	30.6	555	19
NK Brand	NK9227-3220A-EZR	3220,A,B	92	207.3	21.5	1	31.7	547	23
REA	3B923	VT2P,B	92	206.4	21.1	0	31.0	546	24
Hefty	H4222VT2P	VT2P	92	206.3	20.7	0	32.5	548	22
REA	3D910	VT2P,DG,B	91	202.2	19.6	0	31.0	543	25
Latham	LH4187VT2Pro	VT2P	91	202.1	20.7	0	31.7	537	26
Renk	8-536VT2P	VT2P	94	200.2	20.1	1	31.0	535	27
Hefty	H4324SS	STX	93	196.6	20.6	0	30.6	523	28
Proseed	1395VT2P GC	VT2P	95	196.4	21.4	0	32.5	518	29
NK Brand	NK9505-3110	3110	95	191.3	20.5	1	31.7	509	30
NuTech	E5GN-A395	3110	95	184.0	20.6	0	31.0	489	31
Pioneer	P9188AM CK	AM,B	91	208.5	20.5	1	30.6	555	20

Averages = **211.4** **20.9** **0** **31.3** **560**

LSD (0.10) = 10.0 0.6 0

Luke Brendemuhl LSD (0.25) = 5.3 0.3 0

luke.brendemuhl@firstseedtests.com, (218) 790-4497 C.V. = 5.2 Prev. years average yield, 197.0 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: *The plot was planted the same day as the surrounding field. We were able to finish right as some light showers arrived. The growing season around Kulm was wetter than average with estimates being 51% wetter than the 10-year average. At harvest, cobs were full to the tip and very minimal lodging was noticed. Harvest has been a struggle due to persistent wet conditions or snow hanging on plants.*

† 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

©2018, all rights reserved by Elite Field Genetics, LLC

Report Date: 11/27/2018 Revised:

2018 Corn Grain - North Dakota Southeast [NDSE]



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.