

# 2016 Corn Grain Top 30 Harvest Report

North Dakota Southeast [ NDSE ] KULM

Lowell Berntson, Logan County, ND 58456



Test by: Elite Field Genetics, LLC, Fargo, ND

PREV. CROP/HERB: Soybean / Roundup  
 SOIL DESCRIPTION: Roseglen silt loam, mod. well drained, non-irrigated  
 SOIL CONDITION: Minimum w/o fall, high P, high K, 5.2 pH, 4.8% OM  
 PEST MANAGEMENT: Roundup, atrazine, Harness, Status  
 FERTILITY - Applied N: 120 Fall, 13 Spring, 10 Planter  
 Applied N-P-K (units): 143-0-0  
 SEEDING - RATE - ROW: May 5 33,000 /A 30" spacing  
 HARVESTED - STAND: Oct 24 27,200 /A

## Early-Season Test

85 - 90 Day CRM

B2016NDSE05a

## Top 30 of 36

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
Croplan	2845VT2P/RIB GC	VT2P,B	89	<b>239.1</b>	15.9	1	27.2	698	1
REA	3B330-RIB	VT2P,B	90	<b>236.6</b>	16.7	1	27.6	686	2
Renk	6-298VT2P	VT2P	89	231.7	16.8	1	27.6	671	3
Latham	LH3877VT2Pro	VT2P	88	231.7	17.1	1	26.3	669	4
Latham	LH4097VT2ProRIB	VT2P,B	90	229.6	17.1	1	27.2	663	6
AgVenture	RL3645AM^	AM,B	89	228.4	16.1	1	26.8	665	5
Wensman	W 8110VT2RIB GC	VT2P,B	91	227.6	16.9	1	27.2	658	9
Renk	RK299VT2P	VT2P,B	89	227.1	16.4	1	27.2	660	7
Thunder	4585RR	RR2	85	226.3	16.0	1	27.6	660	8
Dyna-Gro	D27VC47	VT2P	87	225.5	16.0	1	28.0	657	10
NuTech	5N-886	3000GT	86	225.2	16.5	1	26.8	654	12
Mustang	2289GENVT2P	VT2P	89	225.0	16.1	1	27.6	655	11
Prairie Brand	3717GT3	3000GT	87	223.6	16.2	1	27.6	651	14
NuTech/G2 Gen	5F-488^	AM,B	88	223.5	16.2	1	27.6	650	15
Latham	LH3614-3011A	3011,A	86	223.4	16.5	1	27.2	648	16
Dekalb	DKC38-03RIB GC	VT2P,B	88	223.0	16.5	1	27.6	647	17
Thunder	Exp 89	VT2P	89	221.0	16.4	1	25.9	642	18
AgVenture	AV2985ABW	3011,A	86	220.0	16.2	1	28.0	640	19
Thunder	7188VT2PRIB	VT2P,B	88	219.6	16.5	1	27.2	637	21
Proseed	1385VT2PRIB	VT2P,B	85	218.6	15.6	1	26.3	639	20
REA	2A871-RIB	STX,B	87	218.6	16.8	1	26.8	633	26
Renk	RK267VT2P	VT2P,B	86	218.1	16.0	1	27.2	636	22
Partners Brand	PB 5203-3000GT GC	3000GT	82	218.1	16.0	1	27.2	636	23
Dairyland	DS-9686	3000GT	86	217.4	16.0	1	27.6	634	25
REA	2B860-RIB	VT2P,B	86	217.2	15.6	1	28.0	635	24
Dairyland	DS-9787SSX	STX	87	215.5	15.8	1	28.0	629	27
NuTech	X5B-8801	3010	88	213.9	17.0	1	26.3	618	28
Prairie Brand	851RA	STX,B	87	213.2	16.6	1	27.6	618	29
Pioneer	P8673AM GC	AM,B	86	210.9	15.9	1	26.3	615	30
Mustang	3285GENVT2P	VT2P	85	210.3	15.6	1	27.6	615	31
Dekalb	DKC39-28RIB CK	VT2P,B	89	225.2	16.7	1	28.0	653	13

Kevin Coey

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Averages = **220.3** **16.2** **1** **27.2** **641**

LSD (0.10) = 14.2 0.7 ns

LSD (0.25) = 9.9 0.5 ns

C.V. = 5.5 New test site, no yield history

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.2 Drying = \$0.025 Prices: GMO = \$2.94; non-GMO = \$2.94

**Test Comments:** *This test site was placed on a well drained portion within the field. Planted in early May into ideal soil conditions, seedling emergence was very uniform giving excellent stands throughout the majority of the plot. Monthly rainfall totals were 1-2 inches above normal May through September. There were no diseases, lodging or weed control issues observed. This was a high quality test plot.*

† 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: 10/26/2016 Revised:

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 PEST MANAGEMENT: Roundup, atrazine, Harness, Status  
 FERTILITY - Applied N: 120 Fall, 13 Spring, 10 Planter  
 Applied N-P-K (units): 143-0-0  
 SEEDED - RATE - ROW: May 5 33,000 /A 30" spacing  
 HARVESTED - STAND: Oct 24 28,200 /A

**Full-Season Test**  
**91 - 94 Day CRM**  
 B2016NDSE05b

## Top 30 of 36

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
AgVenture	AV4291V10	3110,A	91	<b>251.2</b>	18.5	1	28.0	717	1
Prairie Brand	4487AS3110	3110	94	246.5	20.1	1	28.0	693	5
Mustang	3294GENVT2P	VT2P	94	245.6	19.9	1	28.0	692	6
Proseed	PX591VT2P	VT2P	91	244.5	18.5	1	28.0	697	2
Partners Brand	PB 6003-3000GT GC	3000GT	90	244.3	18.5	1	28.4	697	3
NuTech	5B-293	3010	93	242.6	19.7	1	28.4	685	7
Renk	RK408VT2P	VT2P	91	242.3	18.0	1	28.8	694	4
Latham	LH4437VT2Pro	VT2P	94	241.8	19.6	1	28.4	683	9
King Seed	4640-3110A	3110,A	94	241.7	19.4	1	28.0	684	8
Mustang	4291GENVT2PRIB	VT2P,B	91	236.7	18.4	1	28.8	676	10
Latham	LH4147VT2ProRIB	VT2P,B	91	236.1	18.2	1	29.2	675	11
Dairyland	DS-7294	3110	94	236.0	19.0	1	28.0	670	12
Renk	RK568VT3P GC	VT3P	95	235.4	19.5	1	27.6	666	13
Latham	LH4454VT2ProRIB	VT2P,B	94	232.9	20.8	1	27.2	651	23
REA	3A922-RIB	STX,B	92	232.4	18.6	1	28.8	662	15
Dyna-Gro	D32VC41	VT2P	92	232.4	18.6	1	28.0	662	16
Dyna-Gro	D32VC56	VT2P	92	232.2	18.9	1	28.8	660	17
Pioneer	P9526AM GC	AM,AQ,B	95	232.2	18.9	1	28.4	660	18
NuTech/G2 Gen	5F-091^	AM,B	91	231.9	18.2	2	27.6	663	14
Dekalb	DKC44-15RIB GC	VT2P,B	94	231.7	19.9	1	27.6	653	21
Prairie Brand	4284RA	STX,B	93	231.3	19.8	1	28.0	652	22
Mustang	3894GENSSRIB	STX,B	94	229.9	19.6	1	28.8	649	25
Thunder	Exp 91	VT2P	91	228.6	18.0	1	28.4	655	20
Proseed	1492SSRIB	STX,B	92	228.3	19.1	1	28.0	648	26
Renk	RK433VT2P	VT2P	92	228.2	19.0	1	28.8	648	27
Pioneer	P9188AM GC	AM,B	91	228.0	18.4	1	28.8	651	24
Renk	RK566SSTX	STX	94	227.8	20.7	1	27.6	637	31
Proseed	1392VT2PRIB	VT2P,B	92	227.7	18.9	1	28.4	647	28
Latham	LH4242VT2ProRIB	VT2P,B	92	226.9	19.1	1	28.4	644	29
REA	4B931-RIB	VT2P,B	93	225.8	19.3	1	28.0	640	30
Dekalb	DKC39-28RIB CK	VT2P,B	89	229.4	17.6	1	28.0	660	19

Kevin Coey

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Averages = **232.7** **19.1** **1** **28.2** **661**

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LSD (0.25) = 9.9 0.6 ns

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2016 Corn Grain - North Dakota Southeast [ NDSE ]



**Early-Season Test Products (36 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgVenture	AV2985ABW	3011,A	AVC,C2,Vi	86					
AgVenture	RL3645AM^	AM,B	MQ,P5V,R	89					
Croplan	2845VT2P/RIB GC	VT2P,B	AC,P2	89					
Dairyland	DS-9686	3000GT	AVC,C5	86					
Dairyland	DS-9787SSX	STX	CM,C5,Vi,In	87					
Dekalb	DKC38-03RIB GC	VT2P,B	AC,P2	88					
Dekalb	DKC39-28RIB CK	VT2P,B	AC,P2	89					
Dyna-Gro	D27VC47	VT2P	AC,P5V	87					
Latham	LH3547VT2Pro	VT2P	AC,P2	85					
Latham	LH3614-3011A	3011,A	CM,C2,Vi	86					
Latham	LH3877VT2Pro	VT2P	AC,P5V	88					
Latham	LH4097VT2ProRIB	VT2P,B	AC,P2	90					
Mustang	2289GENVT2P	VT2P	AC,P2	89					
Mustang	3285GENVT2P	VT2P	AC,P2	85					
NuTech	5N-886	3000GT	AVC,C2,Vi	86					
NuTech	X5B-8801	3010	CE,C2	88					
NuTech/G2 Gen	5F-488^	AM,B	MQ,P5V	88					
Partners Brand	PB 5203-3000GT GC	3000GT	CM,C5	82					
Pioneer	P8639AM GC	AM,B	MQ,C2,R	86					
Pioneer	P8673AM GC	AM,B	MQ,C2,R	86					
Prairie Brand	3597SX	STX	AC,P5V	85					
Prairie Brand	3717GT3	3000GT	AVC,C2,Vi	87					
Prairie Brand	851RA	STX,B	CM,C5,Vi,In	87					
Proseed	1384VT2PRIB	VT2P,B	AC,P2	84					
Proseed	1385VT2PRIB	VT2P,B	AC,P2	85					
REA	2A871-RIB	STX,B	AC,P5V	87					
REA	2B860-RIB	VT2P,B	AC,P5V	86					
REA	3B330-RIB	VT2P,B	AC,P5V	90					
Renk	6-298VT2P	VT2P	AC,P2	89					
Renk	RK267VT2P	VT2P,B	AC,P2	86					
Renk	RK299VT2P	VT2P,B	AC,P2	89					
Thunder	4585RR	RR2	AC,P2	85					
Thunder	6385VT2PRIB	VT2P,B	AC,P2	85					
Thunder	7188VT2PRIB	VT2P,B	AC,P2	88					
Thunder	Exp 89	VT2P	AC,P2	89					

2016 Corn Grain - North Dakota Southeast [ NDSE ]



**Full-Season Test Products (36 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgVenture	AV4291V10	3110,A	AVC,C2,Vi	91					
AgVenture	AV4491YHBW^	OIX,B	MQ,P1V,R	91					
AgVenture	RL4616HBW^	HXT,RR2	MQ,P5V,R	94					
Dairyland	DS-7294	3110	CM,C5,Vi,In	94					
Dekalb	DKC39-28RIB CK	VT2P,B	AC,P2	89					
Dekalb	DKC44-15RIB GC	VT2P,B	AC,P2	94					
Dyna-Gro	D32VC41	VT2P	AC,P5V	92					
Dyna-Gro	D32VC56	VT2P	AC,P5V	92					
King Seed	4640-3110A	3110,A	AVC,C2,Vi	94					
Latham	LH4147VT2ProRIB	VT2P,B	AC,P2	91					
Latham	LH4242VT2ProRIB	VT2P,B	AC,P2	92					
Latham	LH4437VT2Pro	VT2P	AC,P5V	94					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Mustang	3294GENVT2P	VT2P	AC,P2	94					
Mustang	3894GENSSRIB	STX,B	AC,P5V	94					
Mustang	4291GENVT2PRIB	VT2P,B	AC,P2	91					
Mycogen	2V357a GC	STX,B	CM,C2	93					
NuTech	5B-293	3010	MQ,P5V,R	93					
NuTech/G2 Gen	5F-091^	AM,B	MQ,P5V	91					
Partners Brand	PB 6003-3000GT GC	3000GT	CM,C5	90					
Pioneer	P9188AM GC	AM,B	MQ,C2,R	91					
Pioneer	P9526AM GC	AM,AQ,B	MQ,C2	95					
Prairie Brand	4284RA	STX,B	CM,C5,Vi,In	93					
Prairie Brand	4487AS3110	3110	CM,C5,Vi,In	94					
Proseed	1392VT2PRIB	VT2P,B	AC,P2	92					
Proseed	1492SSRIB	STX,B	AC,P5	92					
Proseed	PX591VT2P	VT2P	AC,P2	91					
REA	3A922-RIB	STX,B	AC,P5V	92					
REA	4B931-RIB	VT2P,B	AC,P5V	93					
Renk	RK408VT2P	VT2P	AC,P2	91					
Renk	RK433VT2P	VT2P	AC,P2	92					
Renk	RK522SSTX	STX,B	AC,P5V	94					
Renk	RK566SSTX	STX	AC,P5V	94					
Renk	RK568VT3P GC	VT3P	AC,P2	95					
Thunder	7993VT2PRIB	VT2P,B	AC,P2	93					
Thunder	Exp 91	VT2P	AC,P2	91					

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus® brand seed is distributed by Burrus. HPT® brand seed is distributed by Hoegemeyer Hybrids, Innotech™ brand seed is distributed by Rob-See-Co, LLC. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, Power Plus®, RPM®, Supreme EX®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix® are trademarks of Syngenta.
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)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
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)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	LL	LibertyLink®
A	Agrisure® Artesian®	None	conventional corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AQ	Optimum® AQUAMax®	RW	Agrisure® Rootworm
B	Refuge Blend	STX	SmartStax® (VT3P,HXT,RR2,LL)
CB	Agrisure® Corn Borer	VT2P	Genuity® VT Double PRO®
DG	Genuity® DroughtGard®	VT3P	Genuity® VT Triple PRO®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

### Corn Seed Treatments\*\*

n/a	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Accelaron® fungicide products	Lu	Lumivia™
AChD	Accelaron® fungicide products	M	Maxim XL®
At	Actellic®	MQ	Maxim Quattro®
AVC	Avicta® Complete Corn	None	untreated
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme®	R	Raxil®
CM	CruiserMaxx® Corn	V	Votivo®
D	Dynasty®	Vi	Vibrance®
Es	Escalate®		

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