

2016 Corn Grain Top 30 Harvest Report

North Dakota Southeast [NDSE] MOORHEAD
Curtis Brendemuhl, Clay County, MN 56560



PREV. CROP/HERB: Soybean / glyphosate
SOIL DESCRIPTION: Fargo silty clay, poor drained, non-irrigated
SOIL CONDITION: Minimum w/o fall, mod. low P, moderate K, 5.8 pH, 5.3% OM
PEST MANAGEMENT: atrazine, WideMatch
FERTILITY - Applied N: 40 Fall, 20 Spring, 3 Planter, 60 Side,
Applied N-P-K (units): 123-52-25
SEEDING - RATE - ROW: May 6 33,000 /A 30" spacing
HARVESTED - STAND: Oct 20 28,000 /A

Early-Season Test

85 - 90 Day CRM
B2016NDSE06a

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
Thunder	Exp 89	VT2P	89	211.8	18.9	1	28.0	602	1
Latham	LH4097VT2ProRIB	VT2P,B	90	207.8	19.7	1	28.0	587	2
AgVenture	AV2985ABW	3011,A	86	206.3	18.8	1	28.8	587	3
NuTech	X5B-8801	3010	88	205.4	19.0	1	28.0	583	4
Mustang	2289GENVT2P	VT2P	89	203.3	19.7	1	28.0	574	6
REA	3B330-RIB	VT2P,B	90	203.0	19.0	1	28.8	577	5
Latham	LH3877VT2Pro	VT2P	88	201.6	18.8	1	28.0	574	7
Dyna-Gro	D27VC47	VT2P	87	200.5	18.5	1	27.6	572	8
Prairie Brand	3717GT3	3000GT	87	199.3	19.2	1	28.0	565	10
Renk	6-298VT2P	VT2P	89	199.2	18.8	1	28.0	567	9
Dekalb	DKC38-03RIB GC	VT2P,B	88	196.7	19.3	1	28.0	557	12
Dairyland	DS-9686	3000GT	86	196.1	18.5	1	28.0	559	11
Renk	RK299VT2P	VT2P,B	89	195.5	19.1	1	28.0	555	13
NuTech/G2 Gen	5F-488^	AM,B	88	195.4	18.9	1	27.6	555	14
Wensman	W 8110VT2RIB GC	VT2P,B	91	195.3	19.5	1	28.0	552	17
Croplan	2845VT2P/RIB GC	VT2P,B	89	194.9	18.8	1	29.2	554	15
Latham	LH3547VT2Pro	VT2P	85	194.3	18.5	1	28.0	554	16
Renk	RK267VT2P	VT2P,B	86	193.0	18.5	1	27.2	551	18
Pioneer	P8639AM GC	AM,B	86	192.4	18.6	1	28.0	548	20
Mustang	3285GENVT2P	VT2P	85	191.5	17.9	1	28.0	549	19
NuTech	5N-886	3000GT	86	191.5	18.8	1	28.0	545	22
REA	2B860-RIB	VT2P,B	86	191.2	18.0	1	28.0	548	21
Thunder	4585RR	RR2	85	190.0	18.7	1	27.6	541	24
Latham	LH3614-3011A	3011,A	86	189.4	19.0	1	28.0	538	25
Thunder	7188VT2PRIB	VT2P,B	88	188.6	19.2	1	28.4	535	27
Thunder	6385VT2PRIB	VT2P,B	85	187.8	18.5	1	28.4	536	26
Dairyland	DS-9787SSX	STX	87	187.2	18.2	1	27.6	535	28
Proseed	1385VT2PRIB	VT2P,B	85	186.7	18.4	1	27.6	533	29
Partners Brand	PB 5203-3000GT GC	3000GT	82	186.3	19.1	1	28.4	529	30
AgVenture	RL3645AM^	AM,B	89	185.2	19.0	1	28.4	526	31
Dekalb	DKC39-28RIB CK	VT2P,B	89	191.7	19.5	1	28.4	542	23

Kevin Coey

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Averages = **193.3** **18.8** **1** **28.0** **550**

LSD (0.10) = 13.0 0.7 ns

LSD (0.25) = 9.0 0.5 ns

C.V. = 5.7

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: *The test site started out very dry, but later received timely rains throughout the season. July brought some heavy rains in a short time period. Fortunately, it did not hurt the corn crop, but gave it adequate moisture to the end of the growing season. There was no significant lodging or prominent diseases. Curt Brendemuhl says that this was the best corn crop they have ever raised.*

† 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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different

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 Applied N-P-K (units): 123-52-25
 SEEDING - RATE - ROW: May 6 33,000 /A 30" spacing
 HARVESTED - STAND: Oct 20 27,900 /A

Full-Season Test
91 - 94 Day CRM
 B2016NDSE06b

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
Pioneer	P9188AM GC	AM,B	91	224.8	20.8	1	28.4	628	1
Dekalb	DKC44-15RIB GC	VT2P,B	94	222.8	21.2	1	28.8	620	2
Mustang	3294GENVT2P	VT2P	94	221.3	21.9	1	26.8	612	6
Prairie Brand	4487AS3110	3110	94	218.4	21.3	1	27.2	608	7
Latham	LH4437VT2Pro	VT2P	94	218.3	21.4	1	28.8	607	8
Proseed	PX591VT2P	VT2P	91	218.1	20.2	1	28.0	613	3
Mustang	4291GENVT2PRIB	VT2P,B	91	217.8	20.1	1	27.2	613	4
Latham	LH4147VT2ProRIB	VT2P,B	91	217.6	19.9	1	27.6	613	5
Renk	RK568VT3P GC	VT3P	95	215.7	21.1	1	28.4	601	9
Thunder	7993VT2PRIB	VT2P,B	93	214.0	20.4	1	28.8	600	10
Pioneer	P9526AM GC	AM,AQ,B	95	213.7	21.6	5	27.2	593	13
Latham	LH4242VT2ProRIB	VT2P,B	92	213.3	21.0	1	28.4	595	11
Dyna-Gro	D32VC56	VT2P	92	212.8	20.7	1	28.4	595	12
King Seed	4640-3110A	3110,A	94	212.0	21.0	1	28.4	591	14
Dairyland	DS-7294	3110	94	211.9	21.1	1	28.8	591	15
Partners Brand	PB 6003-3000GT GC	3000GT	90	211.2	21.0	3	27.6	589	16
NuTech	5B-293	3010	93	210.9	20.9	2	27.6	589	17
Prairie Brand	4284RA	STX,B	93	210.4	22.0	1	27.6	582	21
Mustang	3894GENSSRIB	STX,B	94	209.9	21.4	1	25.9	584	19
REA	4B931-RIB	VT2P,B	93	209.7	20.4	1	28.4	588	18
Renk	RK433VT2P	VT2P	92	207.8	20.6	1	28.8	582	22
Renk	RK566SSTX	STX	94	207.7	22.5	1	27.6	572	28
Proseed	1492SSRIB	STX,B	92	206.4	19.9	1	26.8	582	23
NuTech/G2 Gen	5F-091^	AM,B	91	205.5	20.2	1	26.8	577	24
AgVenture	AV4291V10	3110,A	91	205.2	20.2	2	28.4	577	25
Renk	RK522SSTX	STX,B	94	205.1	21.3	1	28.0	571	29
Dyna-Gro	D32VC41	VT2P	92	205.0	20.6	1	28.0	574	27
Renk	RK408VT2P	VT2P	91	204.4	20.0	1	29.2	575	26
Proseed	1392VT2PRIB	VT2P,B	92	204.4	20.9	1	28.0	571	30
Thunder	Exp 91	VT2P	91	203.1	20.2	1	27.2	571	31
Dekalb	DKC39-28RIB CK	VT2P,B	89	207.4	20.2	2	27.6	583	20

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Averages = **210.3** **20.9** **1** **27.9** **587**

LSD (0.10) = 11.9 0.7 2

LSD (0.25) = 8.3 0.5 1

C.V. = 4.8 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: *The test site started out very dry, but later received timely rains throughout the season. July brought some heavy rains in a short time period. Fortunately, it did not hurt the corn crop, but gave it adequate moisture to the end of the growing season. There was no significant lodging or prominent diseases. Curt Brendemuhl says that this was the best corn crop they have ever raised.*

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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					
Wensman	W 8110VT2RIB GC	VT2P,B	AC,P2	91					

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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 Boreer	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.