

2018 Corn Grain Top 30 Harvest Report

North Dakota Southeast [NDSE] GWINNER
 Todd Larson, Sargent County, ND 58060



PREV. CROP/HERB: Soybean
 SOIL DESCRIPTION: Aastad-Forman loam, mod. well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, medium P, very high K, 7.6 pH, 5.8% OM, 27.3 CEC
 PEST MANAGEMENT: Roundup, atrazine
 FERTILITY - Applied N: 135 Fall
 Applied N-P-K (units): 135-50-0
 SEEDING - RATE - ROW: May 3 33,000 /A 30" spacing
 HARVESTED - STAND: Oct 19 31,400 /A

Early-Season Test

85 - 90 Day CRM
 B2018NDSE01a

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
Hefty	H3712VT2PRIB	VT2P,B	87	201.1	18.8	1	32.1	534	1
Dyna-Gro	D27VC87	VT2P	87	194.8	18.9	0	32.1	517	2
NuTech/G2 Gen	E5FN-A386	OI	86	193.0	18.7	10	31.4	513	3
Mustang	3287VT2PRIB	VT2P,B	87	192.8	18.8	0	30.6	512	4
Golden Harvest	G84J92-3011A	3011,A	85	192.7	19.6	3	31.0	508	5
Dairyland	DS-9686	3000GT	86	192.2	19.7	2	31.7	506	6
NK Brand	NK8618-3011A	3011,A	86	189.0	19.2	2	31.4	500	7
Latham	LH4015VT2Pro	VT2P	90	188.9	19.5	5	31.4	498	8
Mustang	2290VT2PRIB	VT2P,B	90	187.8	19.0	1	32.1	498	9
REA	2B861	VT2P,B	86	186.3	18.9	3	31.0	494	10
Golden Harvest	G89A09-3120-EZR	3120,B	89	184.0	20.4	2	31.4	481	13
NK Brand	NK8920-3120-EZR	3120,B	89	183.3	19.7	1	31.0	483	12
Latham	LH3695VT2ProRIB	VT2P,B	86	182.9	18.1	5	31.4	489	11
Renk	RK287VT2P	VT2P,B	87	179.8	18.7	3	31.0	478	15
Latham	LH3755VT2ProRIB	VT2P,B	87	179.1	19.0	2	32.1	475	17
Thunder	6987VT2P	VT2P	87	178.7	17.6	4	32.1	480	14
Thunder	6888VT2P	VT2P,B	88	177.7	19.1	3	31.4	470	19
NK Brand	NK8881-3010A	3010,A	88	176.9	18.6	2	32.9	471	18
Proseed	1787VT2PRIB	VT2P,B	87	176.4	18.6	1	31.4	469	20
Hefty	H4012VT2PRIB	VT2P,B	90	175.7	19.2	6	30.6	465	21
Proseed	1790VT2PRIB	VT2P,B	90	172.6	19.3	4	30.2	456	22
Renk	RK408VT2P	VT2P,B	90	172.1	19.3	4	31.0	455	23
Golden Harvest	G88F37-3010A	3010,A	88	171.0	19.1	4	30.6	453	24
Dekalb	DKC35-88RIB GC	VT2P,B	85	170.4	18.6	3	31.4	453	25
Hefty	H3622VT2P	VT2P	86	169.2	18.2	7	31.7	452	26
NuTech	5N-886	3011,A	86	168.2	19.1	2	31.4	445	27
Hefty	H3922VT2P	VT2P	89	168.2	19.5	7	31.0	444	28
NuTech	5GN-8484	3110,A	84	165.9	18.6	7	31.4	441	29
Thunder	6986VT2P	VT2P	86	162.1	18.3	11	32.1	432	30
REA	3B891	VT2P,B	89	161.4	19.7	6	31.7	425	31
Pioneer	P9188AM CK	AM,B	91	180.6	19.4	0	31.0	477	16

Averages = **173.6** **18.9** **5** **31.4** **460**

LSD (0.10) = 15.4 0.7 6

LSD (0.25) = 8.1 0.4 3

C.V. = 9.7 Prev. years average yield, 183.5 bu/a, 8 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.75; non-GMO = \$2.75

Test Comments: *The plot was planted early May in great conditions. On June 1st the area received 60 MPH straightline winds causing widespread damage to many corn fields and structures. The plot had significant root lodging and snapped over plants that reduced yields, more than other area corn fields. Differing planting dates and growth stage may be factors for the mixed area lodging reports.*

† 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: 10/20/2018 Revised:

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North Dakota Southeast [NDSE] GWINNER

Todd Larson, Sargent County, ND 58060



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

PREV. CROP/HERB: Soybean
 SOIL DESCRIPTION: Aastad-Forman loam, mod. well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, medium P, very high K, 7.6 pH, 5.8% OM, 27.3 CEC
 PEST MANAGEMENT: Roundup, atrazine
 FERTILITY - Applied N: 135 Fall
 Applied N-P-K (units): 135-50-0
 SEEDING - RATE - ROW: May 3 33,000 /A 30" spacing
 HARVESTED - STAND: Oct 19 31,400 /A

Full-Season Test

91 - 95 Day CRM
 B2018NDSE01b

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
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	92	221.4	21.1	0	31.4	575	1
Latham	LH4517VT2Pro	VT2P	95	212.0	21.2	4	31.7	550	2
Dyna-Gro	D34VC54	VT2P	94	207.7	20.6	4	32.1	542	3
Dairyland	DS-7294A	3220	94	206.9	21.9	0	30.6	533	5
Mustang	3294VT2PRIB	VT2P,B	94	206.1	21.3	4	31.7	534	4
Hefty	H4222VT2P	VT2P	92	205.3	21.3	1	31.7	532	6
NK Brand	NK9227-3220A-EZR	3220,A,B	92	204.5	21.6	0	30.6	529	8
Thunder	6794VT2P	VT2P,B	94	203.4	20.6	3	30.2	531	7
Hefty	H4522VT2P	VT2P	95	202.7	22.0	2	31.0	522	11
NuTech	5G-293	3110,A	93	202.2	20.6	0	31.7	528	9
Mustang	2291VT2PRIB	VT2P,B	91	200.3	20.2	2	31.4	525	10
Hefty	H4322VT2P	VT2P	93	199.9	21.5	3	31.0	517	13
Thunder	6993VT2P	VT2P	93	199.5	20.9	0	31.0	519	12
Latham	EX4325VT2Pro	VT2P	93	197.6	20.7	0	31.7	515	15
Proseed	1794VT2PRIB	VT2P,B	94	197.5	20.7	1	32.5	515	16
Thunder	6992VT2P	VT2P	92	196.2	20.3	2	32.9	514	17
Latham	LH4437VT2ProRIB	VT2P,B	94	194.2	20.5	10	30.6	507	18
Renk	RK433RR	RR2	92	194.0	20.7	1	29.9	506	19
Renk	RK568VT2P	VT2P,B	94	193.5	21.2	1	32.5	502	20
Dyna-Gro	D32VC41	VT2P	92	190.9	20.4	6	31.0	499	21
NuTech	E5GN-A395	3110	95	189.8	20.3	2	31.4	497	22
NK Brand	NK9505-3110	3110	95	189.5	21.0	4	31.7	493	23
Proseed	1395VT2P GC	VT2P	95	187.9	21.5	4	31.4	486	24
Hefty	H4324SS	STX	93	184.3	21.2	2	31.7	478	25
Golden Harvest	G95D32-3220-EZR	3220,B	95	182.2	22.8	4	31.7	466	29
Latham	LH4187VT2Pro	VT2P	91	180.5	20.6	2	31.0	471	27
REA	3D910	VT2P,DG,B	91	180.3	20.0	3	31.0	473	26
Thunder	6791VT2P	VT2P,B	91	178.4	20.0	4	31.7	468	28
Proseed	1591VT2PRIB	VT2P,B	91	166.9	19.7	9	31.0	439	30
Renk	8-536VT2P	VT2P	94	158.0	21.2	28	31.7	410	31
Pioneer	P9188AM CK	AM,B	91	198.5	20.9	0	31.4	517	14

Averages = **192.6** **20.9** **5** **31.4** **501**

LSD (0.10) = 13.3 0.7 6

LSD (0.25) = 7.0 0.4 3

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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.