

2018 Corn Grain Top 30 Harvest Report
 North Dakota Southeast [NDSE] JAMESTOWN
 Marvin Frey, Stutsman County, ND 58401



PREV. CROP/HERB: Soybean / Roundup, Authority Assist
 SOIL DESCRIPTION: Barnes-Svea loam, well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, very high P, high K, 7 pH, 1.4% OM, 19.5 CEC
 PEST MANAGEMENT: Roundup, Capreno
 FERTILITY - Applied N: 120 Fall
 Applied N-P-K (units): 120-40-12
 SEEDING - RATE - ROW: May 4 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 21 31,400 /A

Early-Season Test
85 - 90 Day CRM
 B2018NDSE03a

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
NK Brand	NK8618-3011A	3011,A	86	246.4	17.6	0	31.4	662	1
Dyna-Gro	D27VC87	VT2P	87	239.8	16.7	0	31.0	649	2
Thunder	6888VT2P	VT2P,B	88	239.8	18.4	0	30.6	639	4
REA	3B891	VT2P,B	89	239.1	17.1	0	31.0	645	3
Latham	LH4015VT2Pro	VT2P	90	237.8	18.5	0	32.1	633	5
Hefty	H4012VT2PRIB	VT2P,B	90	237.7	18.9	0	30.6	630	7
Latham	LH3937VT2ProRIB	VT2P,B	89	235.0	17.6	0	30.2	631	6
NK Brand	NK8920-3120-EZR	3120,B	89	232.8	17.3	0	32.1	627	8
REA	2B861	VT2P,B	86	231.7	17.9	0	32.5	620	9
Renk	RK287VT2P	VT2P,B	87	231.6	18.0	0	31.4	620	10
Golden Harvest	G84J92-3011A	3011,A	85	231.6	18.0	0	31.7	620	11
Proseed	1790VT2PRIB	VT2P,B	90	231.5	18.6	0	32.1	616	14
REA	3B902	VT2P,B	90	230.3	18.1	0	32.1	615	17
NuTech	5N-886	3011,A	86	229.7	17.4	0	31.0	618	12
Mustang	3287VT2PRIB	VT2P,B	87	229.0	17.1	1	31.0	618	13
Mustang	2290VT2PRIB	VT2P,B	90	229.0	17.9	1	32.5	613	18
Hefty	H3922VT2P	VT2P	89	228.7	17.9	0	32.1	612	21
Hefty	H3622VT2P	VT2P	86	228.5	17.1	0	30.6	616	15
Proseed	1787VT2PRIB	VT2P,B	87	228.5	17.2	0	31.4	616	16
Latham	LH3755VT2ProRIB	VT2P,B	87	227.4	17.1	0	32.5	613	19
NuTech	5GN-8484	3110,A	84	227.1	18.2	1	31.0	606	22
Golden Harvest	G89A09-3120-EZR	3120,B	89	227.0	17.0	0	30.6	613	20
NK Brand	NK8881-3010A	3010,A	88	226.2	17.8	1	32.5	606	23
Renk	RK408VT2P	VT2P,B	90	225.1	18.3	0	31.4	600	26
Dairyland	DS-9686	3000GT	86	224.7	17.4	0	30.2	604	24
Thunder	6987VT2P	VT2P	87	222.9	17.0	0	29.9	602	25
Mustang	3286VT2PRIB	VT2P,B	86	222.0	17.0	0	32.1	599	27
Latham	LH3695VT2ProRIB	VT2P,B	86	219.7	16.9	0	31.4	594	28
Hefty	H3712VT2PRIB	VT2P,B	87	217.7	17.2	0	31.0	587	29
Thunder	6789VT2P	VT2P,B	89	216.9	16.9	0	31.0	586	30
Pioneer	P9188AM CK	AM,B	91	219.8	18.5	0	31.7	585	31

Averages = **224.3** **17.5** **0** **31.4** **603**

LSD (0.10) = 13.7 0.8 ns

LSD (0.25) = 7.2 0.4 ns

C.V. = 6.7 Prev. years average yield, 211.1 bu/a, 2 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 in early May, about a week before the surrounding field. The growing season was estimated 18% wetter and 6% warmer than the 10-year average, which helped fill large cobs to the tip with large full kernels. At harvest, stalks had minimal lodging. Marvin said that the surrounding field averaged around 230 BPA, with areas around the plot pushing 300 BPA on the yield monitor.*

† 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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 SOIL CONDITION: Conventional w/ fall till, very high P, high K, 7 pH, 1.4% OM, 19.5 CEC
 PEST MANAGEMENT: Roundup, Capreno
 FERTILITY - Applied N: 120 Fall
 Applied N-P-K (units): 120-40-12
 SEEDING - RATE - ROW: May 4 33,000 /A 30" spacing
 HARVESTED - STAND: Nov 21 31,500 /A

Full-Season Test
91 - 95 Day CRM
 B2018NDSE03b

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	252.5	20.1	0	31.4	662	1
Hefty	H4522VT2P	VT2P	95	245.2	22.1	0	31.7	631	5
Thunder	6993VT2P	VT2P	93	244.9	19.3	0	32.1	647	2
Thunder	6794VT2P	VT2P,B	94	244.0	20.9	0	32.5	635	3
Latham	LH4437VT2ProRIB	VT2P,B	94	241.7	20.0	0	31.0	634	4
Mustang	3294VT2PRIB	VT2P,B	94	238.4	19.9	0	31.4	626	7
Latham	EX4325VT2Pro	VT2P	93	237.2	18.9	1	29.9	629	6
Proseed	1794VT2PRIB	VT2P,B	94	236.8	19.9	1	30.6	622	8
Dairyland	DS-7294A	3220	94	236.5	19.9	0	30.6	621	9
Renk	8-536VT2P	VT2P	94	234.0	20.2	1	32.5	613	10
Latham	LH4517VT2Pro	VT2P	95	230.9	19.2	0	31.7	611	11
Hefty	H4222VT2P	VT2P	92	229.7	19.6	0	31.4	605	13
REA	3B923	VT2P,B	92	229.2	19.5	0	31.4	605	14
NK Brand	NK9227-3220A-EZR	3220,A,B	92	228.3	19.5	0	32.1	602	15
Hefty	H4322VT2P	VT2P	93	227.4	18.1	0	31.0	608	12
Golden Harvest	G95D32-3220-EZR	3220,B	95	224.4	20.0	0	31.4	589	19
Mustang	2291VT2PRIB	VT2P,B	91	223.7	19.3	0	32.5	591	17
Thunder	6791VT2P	VT2P,B	91	223.2	19.8	0	31.0	587	20
Renk	RK568VT2P	VT2P,B	94	222.8	19.6	0	31.7	587	21
NuTech	5G-293	3110,A	93	222.4	18.7	0	31.4	591	18
Thunder	6992VT2P	VT2P	92	222.3	18.4	0	31.0	592	16
Renk	RK433RR	RR2	92	221.6	19.3	1	31.0	586	22
REA	3D910	VT2P,DG,B	91	218.2	18.6	0	31.0	580	23
Dyna-Gro	D32VC41	VT2P	92	212.3	18.5	0	31.4	565	24
Hefty	H4324SS	STX	93	212.3	18.6	0	31.0	565	25
Golden Harvest	G90Y04-3220A-EZR	3220,A,B	92	210.7	20.3	1	31.4	552	28
NK Brand	NK9505-3110	3110	95	210.2	18.2	1	32.5	561	27
Proseed	1395VT2P GC	VT2P	95	209.6	20.2	0	31.0	549	29
Latham	LH4187VT2Pro	VT2P	91	206.7	18.9	1	32.5	548	30
Proseed	1591VT2PRIB	VT2P,B	91	202.0	18.7	1	31.7	537	31
Pioneer	P9188AM CK	AM,B	91	212.3	19.1	0	31.0	562	26
Averages =				225.4	19.4	0	31.5	595	
LSD (0.10) =				13.7	0.8	ns			
LSD (0.25) =				7.2	0.4	ns			
C.V. =				6.6					Prev. years average yield, 211.1 bu/a, 2 yrs

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

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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.