

2018 Corn Grain Top 30 Harvest Report
 Minnesota Southeast [MNSE] EYOTA
 Arthur & Paul Wendt, Olmsted County, MN 55934



PREV. CROP/HERB: Soybean / Zidua Pro, Flexstar GT, Outlook, Fusilade
 SOIL DESCRIPTION: Floyd silt loam, moderately drained, non-irrigated
 SOIL CONDITION: Conventional w/o fall till, very high P, medium K, 6.3 pH, 7.9% OM, 31.3 CEC
 PEST MANAGEMENT: Force, Verdict, atrazine, Status
 FERTILITY - Applied N: 185 Spring
 Applied N-P-K (units): 185-60-75
 SEEDING - RATE - ROW: May 19 35,300 /A 30" spacing
 HARVESTED - STAND: Oct 30 32,300 /A

Early-Season Test
96 - 101 Day CRM
 B2018MNSE03a

Top 30 of 64
 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
Pfister	1785VA	3220	99	242.7	19.9	0	32.2	759	1
Pfister	60C2PC	PC	100	241.3	21.2	1	33.3	747	6
NK Brand	NK9852-3010	3010	98	240.9	19.8	4	32.6	754	2
Latham	LH4937VT2Pro	VT2P	99	239.9	19.2	1	32.9	754	3
Mustang	4297VT2PRIB	VT2P,B	97	239.8	19.6	9	31.2	752	4
LG Seeds	LG5465VT2RIB	VT2P,B	97	238.9	19.5	1	31.9	750	5
Dairyland	DS-9599	3000GT	99	238.8	20.1	1	31.2	746	7
Pioneer	P9870AM GC	AM,B	98	238.8	20.1	21	31.6	746	8
De Dell Seeds	DL 4555	None	96	236.8	20.7	0	29.9	736	9
Titan Pro	EXP 84-01 SS	STX,B	101	236.0	20.4	0	31.2	735	10
Pioneer	P9998AMXT GC	AMXT,AQ,B	99	235.2	20.2	1	31.6	734	11
Dairyland	DS-7101	PC	101	235.2	21.1	0	33.9	729	15
Dekalb	DKC50-08RIB	STX,B	100	234.3	20.1	0	33.3	732	13
Golden Harvest	G97N86-3110	3110	97	234.0	19.9	1	32.9	732	14
Titan Pro	TP 78-98 SS	STX,B	98	233.9	19.4	1	31.6	734	12
AgriGold	A629-22STXRIB	STX,B	99	232.9	19.9	1	31.6	728	16
Mustang	7801SSRIB	STX,B	101	232.9	20.2	0	30.9	727	17
NorthStar	NS 94-162VT2PRIB	VT2P,B	94	232.7	20.3	10	32.9	725	18
Enestvedt	E696SSRIB	STX,B	100	232.7	20.9	0	32.2	722	22
NuTech/G2 Gen	5FN-2596	OI	96	232.2	20.1	11	32.2	725	19
Hefty	H5024SS	STX	100	231.5	19.8	10	33.6	725	20
Viking	57-01	None	101	230.4	20.2	8	32.9	719	25
Anderson	6898	None	98	230.3	19.6	1	31.9	722	23
Epley	E9840	None	98	230.1	19.2	0	32.9	724	21
Hefty	H4922VT2P	VT2P	99	228.7	19.1	2	34.3	720	24
Golden Harvest	G00H12-3010	3010	100	228.0	20.6	1	32.2	709	28
Renk	RK579DGV2P	VT2P,DG	98	227.4	19.2	0	33.3	715	27
NuTech	5N-800	3011,A	100	226.3	20.2	8	32.9	706	29
Dairyland	RPM-4018AM	AM,AQ,B	101	225.9	20.0	3	31.6	706	30
Renk	RK587VT2P	VT2P,B	97	224.6	19.3	2	31.9	706	31
Pioneer	P0157 CK	AQ	101	229.0	19.9	1	33.3	716	26

Mark Querna
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Averages =	223.7	19.8	4	32.3	700
LSD (0.10) =	11.9	0.5	7		
LSD (0.25) =	6.3	0.3	4		
C.V. =	5.9	Prev. years average yield, 209.4 bu/a, 16 yrs			

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.25; non-GMO = \$3.25

Test Comments: April snowfall and cool, rainy conditions in early May delayed planting. As the season progressed, this site looked phenomenal. A strong wind storm on Sept 20 caused stalk lodging in some hybrids. Paul commented that his corn yields are about 15 bpa less than 2017 (a consistent theme across southern Minnesota this year). Rainfall was plentiful all year, except for a dry three weeks in early August.

† 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/o fall till, very high P, medium K, 6.3 pH, 7.9% OM, 31.3 CEC
 PEST MANAGEMENT: Force, Verdict, atrazine, Status
 FERTILITY - Applied N: 185 Spring
 Applied N-P-K (units): 185-60-75
 SEEDING - RATE - ROW: May 19 35,300 /A 30" spacing
 HARVESTED - STAND: Oct 30 32,600 /A

Full-Season Test
102 - 106 Day CRM
 B2018MNSE03b

Top 30 of 56
 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
Pfister	64F1PE	PC,E	104	261.6	21.7	0	33.9	806	1
NuTech/G2 Gen	E5FN-A604	OI	104	260.2	22.0	3	32.9	800	2
Pfister	66Y3PE	PC,E	106	258.5	21.3	1	32.9	799	3
Dairyland	DS-7603PE	PC,E	103	254.5	21.6	2	31.6	785	4
Viking	55-02	None	102	252.3	21.7	4	33.6	778	6
Pioneer	P0589 GC	AQ	105	252.1	20.5	1	33.3	785	5
Viking	51-04	None	104	247.5	21.6	6	33.3	764	7
Dairyland	DS-7106PE	PC,E	106	244.3	21.8	1	30.5	752	8
AgriGold	A635-54VT2RIB	VT2P,B	105	241.7	21.0	0	30.9	749	9
Viking	42-05	None	105	241.1	20.8	0	33.3	749	10
Pfister	65G1SE	STX,E	105	241.1	21.6	0	32.9	744	12
Latham	LH5487VT2Pro	VT2P	104	240.7	21.2	1	32.2	745	11
Hefty	H5624SS	STX	106	240.3	21.6	0	32.6	741	14
Dairyland	RPM-4318AM	AM,B	104	239.8	21.1	0	34.3	743	13
Pioneer	P0589AMXT GC	AMXT,AQ,B	105	239.5	21.7	0	33.6	738	15
AgriGold	A636-56STXRIB	STX,B	106	237.9	21.1	2	33.9	737	16
Golden Harvest	G06Z97-3120-EZR	3120,B	106	237.8	21.2	2	33.3	736	17
Renk	RK604SSTX	STX	102	236.0	20.9	2	33.3	732	18
Hefty	H5524SS	STX	105	234.7	21.7	0	31.9	723	22
Dyna-Gro	D47SS29RIB	STX,B	106	234.2	20.7	0	31.2	728	19
LG Seeds	LG5525VT2RIB	VT2P,B	105	234.1	21.1	0	32.6	725	21
Wyffels	W4196RIB	VT2P,B	105	233.7	21.2	0	33.6	723	23
Titan Pro	82-04 2P	VT2P,B	104	233.5	20.5	0	31.2	727	20
Titan Pro	TP 70-06	None	106	232.8	20.8	1	32.6	723	24
AgriGold	A633-94STX	STX	103	231.9	21.3	7	31.2	717	25
Mustang	6805SSRIB	STX,B	105	231.4	21.7	0	32.9	713	28
Dekalb	DKC54-38RIB GC	STX,B	104	230.8	20.9	0	31.9	716	26
Golden Harvest	G03C84-3120-EZR	3120,B	103	230.3	20.9	3	33.3	715	27
NuTech/G2 Gen	5F-702	AM,B	102	226.8	20.3	2	33.6	707	30
Latham	LH5245VT2ProRIB	VT2P,B	102	226.7	20.3	1	30.9	707	31
Pioneer	P0157 CK	AQ	101	227.6	20.4	1	32.6	709	29

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Averages =	230.3	21.0	2	32.6	714
LSD (0.10) =	11.5	0.6	3		
LSD (0.25) =	6.1	0.3	2		
C.V. =	5.5	Prev. years average yield, 209.4 bu/a, 16 yrs			

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.25; non-GMO = \$3.25

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Early-Season Test Products (64 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A628-20VT2RIB	VT2P,B	AC,P5V	98	NuTech/G2 Gen	5FN-2596	OI	MQ,P5V,R	96
AgriGold	A629-22STXRIB	STX,B	AC,P5V	99	Pfister	1785VA	3220	CM,C5,Vi,In	99
AgriGold	A631-38VT2PRO	VT2P	AC,P5V	101	Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100
Anderson	611R	RR2	MQ	100	Pfister	60C2PC	PC	CM,C5,Vi,In	100
Anderson	611VT2P	VT2P,B	AC,P2	100	Pioneer	P0157 CK	AQ	MQ,C2,R	101
Anderson	669SRC	STX,B	AC,P5V	97	Pioneer	P9870AM GC	AM,B	MQ,C2,R,Lu	98
Anderson	6898	None	MQ	98	Pioneer	P9998AMXT GC	AMXT,AQ,B	MQ,C2,R,Lu	99
Blue River	38G54	None	M	96	Proseed	1898VT2PRIB	VT2P,B	AC,P2	98
Dairyland	DS-7101	PC	CM,C5,Vi,In	101	Renk	RK579DGV2P	VT2P,DG	AC,P2	98
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99	Renk	RK587VT2P	VT2P,B	AC,P2	97
Dairyland	RPM-3715AM	AM,B	MQ,P5V,R	96	Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100
Dairyland	RPM-4018AM	AM,AQ,B	MQ,P5V,R	101	Titan Pro	85-96	None	AC,P2	96
De Dell Seeds	DL 4555	None	MQ	96	Titan Pro	EXP 84-01 SS	STX,B	AC,P5V	101
Dekalb	DKC46-36RIB GC	STX,B	AC,P5V	96	Titan Pro	TP 71-98 2P	VT2P,B	AC,P2	98
Dekalb	DKC50-08RIB	STX,B	AC,P5V	100	Titan Pro	TP 78-98 SS	STX,B	AC,P5V	98
Enestvedt	E696SSRIB	STX,B	AC,P5V	100	Viking	44-98	None	CM,C2	98
Enestvedt	E699SSRIB	STX,B	AC,P5V	99	Viking	46-96	None	AC,P5V	96
Epley	E9520	None	MQ	95	Viking	57-01	None	CM,C2	101
Epley	E9840	None	MQ	98	Viking	99-00	None	CM,C2	100
Golden Harvest	G00H12-3010	3010	AVC,C2,Vi	100					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Golden Harvest	G97N86-3110	3110	AVC,C2,Vi	97					
Hefty	H4724SS	STX	HC	97					
Hefty	H4922VT2P	VT2P	HC	99					
Hefty	H5003VT2PDGRIB	VT2P,DG,B	HC	100					
Hefty	H5024SS	STX	HC	100					
Latham	LH4835VT2Pro	VT2P	CE,C2	98					
Latham	LH4937VT2Pro	VT2P	AC,P5V	99					
Latham	LH5025VT2ProDGRIB	VT2P,DG,B	AC,P2	100					
Latham	LH5137VT2Pro	VT2P	AC,P5V	101					
LG Seeds	LG5465VT2RIB	VT2P,B	AC,P5V	97					
LG Seeds	LG5494VT2RIB	VT2P,B	AC,P5V	99					
LG Seeds	LG5505STXRIB	STX,B	AC,P5V	101					
Mustang	4296VT2PRIB	VT2P,B	AC,P2	96					
Mustang	4297VT2PRIB	VT2P,B	AC,P2	97					
Mustang	5897SSRIB	STX,B	AC,P5V	97					
Mustang	7801SSRIB	STX,B	AC,P5V	101					
NK Brand	NK9659-3120-EZR	3120,B	AVC,C2,Vi	96					
NK Brand	NK9738-3110	3110	AVC,C2,Vi	97					
NK Brand	NK9852-3010	3010	AVC,C2,Vi	98					
NorthStar	NS 100-464GENSSRIB	STX,B	AC,P5V	100					
NorthStar	NS 100-530VT2PRIB	VT2P,B	AC,P2	100					
NorthStar	NS 94-162VT2PRIB	VT2P,B	AC,P2	94					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5FB-7099	AM,B	CM,C2,R,Lu	99					

2018 Corn Grain - Minnesota Southeast [MNSE]



Full-Season Test Products (56 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A633-94STX	STX	AC,P5V	103	Titan Pro	TP 53-03 2P	VT2P,B	AC,P2	103
AgriGold	A635-54VT2RIB	VT2P,B	AC,P5V	105	Titan Pro	TP 70-06	None	CM,C2,Vi	106
AgriGold	A636-56STXRIB	STX,B	AC,P5V	106	Titan Pro	TP 77-06 SS	STX,B	AC,P5V	106
Anderson	5303	None	MQ	103	Viking	42-05	None	CM,C2	105
Dairyland	DS-7106PE	PC,E	CM,C5,Vi,In	106	Viking	51-04	None	CM,C2	104
Dairyland	DS-7603PE	PC,E	CM,C5,Vi,In	103	Viking	55-02	None	AC,P5V	102
Dairyland	DS-9804RA	STX,B	CM,C5,Vi,In	103	Viking	63-05	None	CM,C2	104
Dairyland	RPM-4318AM	AM,B	MQ,P5V,R	104	Wyffels	W3076RIB	VT2P,B	AC,P2	102
De Dell Seeds	DL 6207	None	MQ	106	Wyffels	W3488	STX	AC,P5V	104
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Wyffels	W4196RIB	VT2P,B	AC,P5V	105
Dyna-Gro	D47SS29RIB	STX,B	AC,P5V	106	Wyffels	W4796RIB	VT2P,B	AC,P5V	106
Epley	E1312SS	STX	AC,P5V	103					
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103					
Golden Harvest	G06Z97-3120-EZR	3120,B	AVC,C2,Vi	106					
Hefty	H5302VT2PRIB	VT2P,B	HC	103					
Hefty	H5502VT2PRIB	VT2P,B	HC	105					
Hefty	H5524SS	STX	HC	105					
Hefty	H5624SS	STX	HC	106					
Latham	LH5245VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5487VT2Pro	VT2P	AC,P5V	104					
Latham	LH5505VT2ProRIB	VT2P,B	AC,P2	105					
Latham	LH5635VT2ProRIB	VT2P,B	AC,P2	106					
LG Seeds	LG53C50STX	STX	AC,P5V	103					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
Mustang	6805SSRIB	STX,B	AC,P5V	105					
Mustang	7202VT2P	VT2P,B	AC,P2	102					
NK Brand	NK0330-3120-EZR	3120,B	AVC,C2,Vi	103					
NK Brand	NK0602-3010	3010	AVC,C2,Vi	106					
NK Brand	NK0624-3220-EZR	3220,B	AVC,C2,Vi	106					
NorthStar	NS 104-167GENSSRIB	STX,B	AC,P5V	104					
NuTech/G2 Gen	5F-503	AM,B	MQ,P5V,R	103					
NuTech/G2 Gen	5F-702	AM,B	MQ,P5V,R	102					
NuTech/G2 Gen	E5FN-A604	OI	MQ,P1V,R	104					
Pfister	63A3SSR	STX,B	CM,C5,Vi,In	103					
Pfister	64F1PE	PC,E	CM,C5,Vi,In	104					
Pfister	65G1SE	STX,E	CM,C5,Vi,In	105					
Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106					
Pioneer	P0157 CK	AQ	MQ,C2,R	101					
Pioneer	P0589 GC	AQ	MQ,C2,Lu	105					
Pioneer	P0589AMXT GC	AMXT,AQ,B	MQ,C2,R	105					
Renk	RK604SSTX	STX	AC,P5V	102					
Renk	RK642SSTX	STX,B	AC,P5V	103					
Renk	RK717SSTX	STX,B	AC,P5V	105					
Renk	RK737VT2P	VT2P	AC,P5V	106					
Titan Pro	82-04 2P	VT2P,B	AC,P2	104					

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.