

2016 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] STARBUCK
 Jim Langman, Sr., Pope County, MN 56381



PREV. CROP/HERB: Soybean
 SOIL DESCRIPTION: Osakis sandy loam, mod. well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, high P, moderate K, 7.9 pH, 2.9% OM
 PEST MANAGEMENT: Halex GT, Force
 FERTILITY - Applied N: 140 Spring
 Applied N-P-K (units): 140-60-60
 SEEDING - RATE - ROW: May 8 35,080 /A 30" spacing
 HARVESTED - STAND: Nov 1 34,200 /A

Early-Season Test

93 - 98 Day CRM
 B2016MNWC04a

Top 30 of 63

For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Mustang	4298GENVT2PRIB	VT2P,B	98	224.1	20.3	0	34.4	643	1
Terning Seed	TS8249RR GC	RR2	95	213.3	19.9	0	33.9	614	2
Mustang	3894GENSSRIB	STX,B	94	213.1	20.2	0	34.4	612	3
Channel	193-53STXRIB	STX,B	93	212.7	20.2	0	33.9	610	5
Mustang	3294GENVT2P	VT2P	94	212.0	19.6	0	33.9	612	4
Renk	RK522SSTX	STX,B	94	211.6	19.7	0	34.4	610	6
Titan Pro	TP 54-98 2P	VT2P,B	98	211.1	20.5	0	34.4	604	9
LG Seeds	LG5410VT2PRIB	VT2P,B	92	210.6	19.6	0	34.4	608	7
Enestvedt	E652VT3Pro	VT3P	95	210.2	19.9	0	34.4	605	8
Anderson	795R	RR2	95	209.9	20.5	0	33.9	601	10
NorthStar	NS96-578VT3PRIB	VT3P,B	96	208.8	19.8	0	34.8	601	11
Federal	4558SSTAXRIB	STX,B	95	208.8	20.4	0	34.4	598	14
Channel	197-50VT2PRIB	VT2P,B	97	208.4	19.8	0	34.4	600	12
Federal	4870SSTAX	STX	98	208.4	20.6	0	34.8	596	15
Viking	E52-95R	VT2P,B	95	207.7	21.1	0	34.4	591	18
NuTech/G2 Gen	5F-196^	AM,B	96	207.6	20.2	0	34.8	596	16
Latham	LH4437VT2Pro	VT2P	94	207.2	20.0	0	34.4	596	17
Dekalb	DKC46-36RIB GC	STX,B	96	206.4	21.4	0	34.4	586	25
Pfister	1740RASS	STX,B	98	206.3	20.6	0	34.8	590	19
Viking	A81-98R	RR2	98	205.7	20.5	0	33.4	589	20
Prairie Brand	4895GT3	3000GT	98	205.7	21.5	0	34.4	584	27
Viking	D47-96RL	STX	96	205.4	20.3	0	34.4	589	21
Federal	4760SSTAXRIB	STX,B	97	205.1	20.2	0	34.4	589	22
Titan Pro	TP 48-93 2P	VT2P,B	93	204.4	20.0	0	34.4	588	23
Channel	194-14VT2PRIB	VT2P,B	94	204.0	19.9	0	33.9	587	24
Anderson	684R	RR2	98	204.0	20.9	0	34.8	582	29
Titan Pro	TP 58-95 SS	STX,B	95	203.8	20.0	0	34.4	586	26
Federal	4240VT2PRIB	VT2P,B	92	202.8	20.0	0	34.4	583	28
LG Seeds	LG5415STXRIB	STX,B	93	201.2	19.6	0	33.9	580	31
Thunder	7396VT2PRIB	VT2P,B	96	200.3	19.0	0	34.8	581	30
Dekalb	DKC48-56RIB CK	STX,B	98	209.8	20.8	0	34.4	599	13
Averages =				200.6	20.2	0	34.2	576	
LSD (0.10) =				15.5	0.9	ns			
LSD (0.25) =				10.8	0.6	ns			
C.V. =				5.7					
Ed Dahle ed.dahle@firstseedtests.com, (507) 456-6624									New test site, no yield history

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.00; non-GMO = \$3.00

Test Comments: *This site was slightly rolling but is drainage tilled so evidence of water standing in the low spots was not noticed. The planting conditions were ideal here. Final plant stand was very uniform and stalks were very healthy with minimal lodging noted at harvest. The ears were large and filled out to the tips. Jim said that the corn around the plot averaged around 200 bpa at 20% moisture.*

† 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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 PEST MANAGEMENT: Halex GT, Force
 FERTILITY - Applied N: 140 Spring
 Applied N-P-K (units): 140-60-60
 SEEDING - RATE - ROW: May 8 35,080 /A 30" spacing
 HARVESTED - STAND: Nov 1 34,500 /A

Full-Season Test
99 - 102 Day CRM
 B2016MNWC04b

Top 30 of 54
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech/G2 Gen	5Z-601^	OI,AQ	101	227.4	20.0	0	33.9	654	1
Titan Pro	TP 67-02 SS	STX	102	227.0	20.3	0	34.4	651	2
Viking	T51-01R	GT,A	101	226.2	20.9	0	34.4	645	5
Titan Pro	TP 31-01 3011A	3011,A	101	225.9	20.5	0	34.4	647	4
Channel	199-29STXRIB	STX,B	99	225.7	20.2	0	34.8	648	3
Channel	202-20STXRIB	STX,B	102	225.5	21.1	0	34.8	642	9
Federal	5245VT2P	VT2P	102	225.3	20.8	0	34.8	643	7
NorthStar	NS102-304 3011A	3011,A	102	225.2	20.6	0	34.4	644	6
Renk	RK612SSTX	STX,B	100	224.0	20.6	0	34.4	641	10
Titan Pro	TP 65-00 2P	VT2P,DG	100	223.3	20.6	0	34.4	639	11
Latham	LH5099SS	STX	100	223.3	21.2	0	34.8	635	13
LG Seeds	LG5470STXRIB	STX,B	98	221.9	20.9	0	34.4	633	14
Latham	LH5175VT2ProDGRIB	VT2P,DG,B	101	221.7	20.0	0	34.4	637	12
NorthStar	NS100-531GENSS	STX	100	221.2	21.2	0	34.8	629	16
Dekalb	DKC50-84RIB GC	VT2P,B	100	220.9	20.6	0	34.8	632	15
Viking	E27-02R	VT2P,DG	102	220.0	20.7	0	34.4	629	17
Renk	RK608DGV2P	VT2P,DG	100	219.8	20.5	0	34.8	629	18
Enestvedt	E696SSRIB	STX,B	100	219.8	21.0	0	34.8	626	20
Viking	D71-00RL	STX,B	100	219.3	20.7	0	34.4	627	19
Dahlman	R50-357SSRIB	STX,B	100	219.2	21.3	0	34.8	623	22
LG Seeds	LG5501VT2PRIB	VT2P,B	100	219.1	20.7	0	33.9	626	21
NuTech/G2 Gen	5K-702^	OIXT	102	219.1	21.5	0	34.8	622	23
Pioneer	P0297AMXT GC	AMXT,AQ,B	102	218.8	21.9	0	33.9	619	25
Renk	RK595SSTX	STX	99	217.0	20.6	0	34.8	621	24
Latham	LH5215VT2ProRIB	VT2P,B	102	216.5	21.5	0	33.4	614	27
Dairyland	DS-9802	STX	102	215.6	20.9	0	34.4	615	26
Renk	RK666SSTX	STX,B	102	214.8	20.9	0	34.4	613	28
LG Seeds	LG5499STXRIB	STX,B	100	214.3	21.1	0	34.8	610	29
Dairyland	DS-9599	3000GT	99	211.8	20.5	0	34.4	606	30
Federal	5060VT2PRIB	VT2P,B	100	210.6	20.3	0	34.8	604	31
Dekalb	DKC48-56RIB CK	STX,B	98	224.5	20.5	0	34.8	643	8
Averages =				213.4	20.8	0	34.5	610	
LSD (0.10) =				14.0	0.7	ns			
LSD (0.25) =				9.8	0.5	ns			
C.V. =				4.8					
Ed Dahle				New test site, no yield history					
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Early-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	684R	RR2	MQ	98	Proseed	PX694VT2P GC	VT2P	AC,P2	94
Anderson	795R	RR2	MQ	95	Renk	RK522SSTX	STX,B	AC,P5V	94
Channel	193-53STXRIB	STX,B	AC,P5V	93	Renk	RK566SSTX	STX	AC,P5V	94
Channel	194-14VT2PRIB	VT2P,B	AC,P5V	94	Renk	RK568VT3P	VT3P	AC,P2	95
Channel	195-18VT2PRIB	VT2P,B	AC,P5V	95	Renk	RK596SSTX	STX,B	AC,P5V	98
Channel	197-50VT2PRIB	VT2P,B	AC,P5V	97	Terning Seed	TS8249RR GC	RR2	AC,P2	95
Dahlman	R47-24VT2P	VT2P	AC,P2	94	Terning Seed	TS8299SS GC	STX	AC,P5V	98
Dahlman	R48-301SSRIB	STX,B	AC,P5V	95	Thunder	7396VT2PRIB	VT2P,B	AC,P2	96
Dahlman	R49-342SS	STX	AC,P5V	98	Thunder	7993VT2PRIB	VT2P,B	AC,P2	93
Dairyland	DS-7294	3110	CM,C5,Vi,In	94	Titan Pro	TP 48-93 2P	VT2P,B	AC,P2	93
Dairyland	DS-9198RA	STX,B	CM,C5,Vi,In	98	Titan Pro	TP 54-98 2P	VT2P,B	AC,P2	98
Dekalb	DKC46-36RIB GC	STX,B	AC,P5V	96	Titan Pro	TP 58-95 SS	STX,B	AC,P5V	95
Dekalb	DKC48-56RIB CK	STX,B	AC,P5V	98	Titan Pro	TP 68-98 SS	STX	AC,P5V	98
Dyna-Gro	D34VC54	VT2P	AC,P5V	94	Tracy Seeds	T093-26 Vip3110A GC	3110,A	CM,C2	93
Dyna-Gro	D35SS58	STX	AC,P5V	95	Tracy Seeds	T095-25 3000GT GC	3000GT	CM,C2	95
Enestvedt	E652VT3Pro	VT3P	CM,C2	95	Viking	A81-98R	RR2	AC,P2	98
Enestvedt	E656SSRIB	STX,B	AC,P5	95	Viking	D47-96RL	STX	AC,P2	96
Federal	4240VT2PRIB	VT2P,B	AC,P2	92	Viking	E52-95R	VT2P,B	AC,P2	95
Federal	4558SSTXRIB	STX,B	AC,P5V	95					
Federal	4760SSTXRIB	STX,B	AC,P5V	97					
Federal	4870SSTAX	STX	AC,P5V	98					
Latham	LH443VT2Pro	VT2P	AC,P5V	94					
Latham	LH4454VT2ProRIB	VT2P,B	AC,P2	94					
Latham	LH4529SS	STX	AC,P5V	95					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
LG Seeds	LG5410VT2PRIB	VT2P,B	AC,P5V	92					
LG Seeds	LG5415STXRIB	STX,B	AC,P5V	93					
LG Seeds	LG5467STX	STX	AC,P5V	97					
Mustang	3294GENVT2P	VT2P	AC,P2	94					
Mustang	3894GENSSRIB	STX,B	AC,P5V	94					
Mustang	4298GENVT2PRIB	VT2P,B	AC,P2	98					
NorthStar	NS94-125GENSSRIB	STX,B	AC,P2V	94					
NorthStar	NS95-421GENSSRIB	STX,B	AC,P5V	95					
NorthStar	NS96-103GENSS	STX	AC,P5V	96					
NorthStar	NS96-578VT3PRIB	VT3P,B	AC,P2	96					
NuTech	5B-293	3010	MQ,P5V,R	93					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V	96					
NuTech/G2 Gen	5F-198^	AM,B	MQ,P5V,R	98					
NuTech/G2 Gen	X5Z-9501^	OI	MQ,P1V,R	95					
Pfister	1740RASS	STX,B	CM,C5,Vi,In	98					
Pfister	57A1SSR	STX,B	CM,C5,Vi,In	97					
Pioneer	P9526AMXT GC	AMXT,AQ,B	MQ,C2	95					
Pioneer	P9834AMX GC	AMX,B	MQ,C2	98					
Prairie Brand	4776RA	STX,B	CM,C5,Vi,In	97					
Prairie Brand	4895GT3	3000GT	CM,C5,Vi,In	98					

2016 Corn Grain - Minnesota West Central [MNWC]



Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Anderson	533R	RR2	MQ	103	Renk	RK666SSTX	STX,B	AC,P5V	102
Channel	199-29STXRIB	STX,B	AC,P5V	99	Thunder	4600RR	RR2	AC,P2	100
Channel	201-28VT2PRIB	VT2P,B	AC,P5V	101	Titan Pro	TP 31-01 3011A	3011,A	CM,C2	101
Channel	202-20STXRIB	STX,B	AC,P5V	102	Titan Pro	TP 58-01 2P	VT2P,B	AC,P2	101
Channel	202-52STXRIB	STX,B	AC,P5V	102	Titan Pro	TP 65-00 2P	VT2P,DG	AC,P2	100
Dahlman	R49-315SSRIB	STX,B	AC,P5V	99	Titan Pro	TP 67-02 SS	STX	AC,P2	102
Dahlman	R50-357SSRIB	STX,B	AC,P5V	100	Viking	D71-00RL	STX,B	AC,P5V	100
Dahlman	R52-328SSRIB	STX,B	AC,P5V	103	Viking	E27-02R	VT2P,DG	AC,P2	102
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99	Viking	T51-01R	GT,A	CM,C2	101
Dairyland	DS-9701RA	STX,B	CM,C2	101					
Dairyland	DS-9802	STX	CM,C5,Vi,In	102					
Dekalb	DKC48-56RIB CK	STX,B	AC,P5V	98					
Dekalb	DKC50-84RIB GC	VT2P,B	AC,P2	100					
Dyna-Gro	D42SS61	STX	AC,P5V	102					
Enestvedt	E696SSRIB	STX,B	AC,P5	100					
Federal	5060SSTAX	STX	AC,P5V	100					
Federal	5060VT2PRIB	VT2P,B	AC,P2	100					
Federal	5245VT2P	VT2P	AC,P2	102					
Latham	LH4955VT2ProRIB	VT2P,B	AC,P2	99					
Latham	LH5099SS	STX	AC,P5V	100					
Latham	LH5175VT2ProDGRIB	VT2P,DG,B	AC,P2	101					
Latham	LH5215VT2ProRIB	VT2P,B	AC,P2	102					
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
LG Seeds	LG5501VT2PRIB	VT2P,B	AC,P5V	100					
Mustang	6800GENSS	STX	AC,P5V	100					
NorthStar	NS100-531GENSS	STX	AC,P2	100					
NorthStar	NS101-151GENSSRIB	STX,B	AC,P5V	101					
NorthStar	NS102-304 3011A	3011,A	CM,C2,Vi	102					
NorthStar	NS99-344 3011A	3011,A	CM,C2,Vi	99					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech	X5V-9901	3111,A	AVC,C2,Vi	99					
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102					
NuTech/G2 Gen	5K-702^	OIXT	MQ,P1V,R	102					
NuTech/G2 Gen	5Z-601^	OI,AQ	MQ,P1V,R	101					
NuTech/G2 Gen	X5Y-9902^	OIX	MQ,P1V,R	99					
Pfister	60B1SSR	STX,B	CM,C5,Vi,In	100					
Pfister	61C1VX	HXT,RR2	CM,C5,Vi,In	101					
Pfister	62A1VX	HXT,RR2	CM,C5,Vi,In	102					
Pioneer	P0297AMXT GC	AMXT,AQ,B	MQ,C2	102					
Prairie Brand	5026RA	STX,B	CM,C5,Vi,In	100					
Prairie Brand	5127SX	STX	CM,C5,Vi,In	101					
Renk	RK595SSTX	STX	AC,P5V	99					
Renk	RK608DGV2P	VT2P,DG	AC,P2	100					
Renk	RK612SSTX	STX,B	AC,P5V	100					

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	Acceleron® fungicide products	Lu	Lumivia™
AChD	Acceleron® 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.