

2016 Corn Grain Top 30 Harvest Report

Minnesota West Central [MNWC] CLINTON
Doug Nelson, Big Stone County, MN 56225



Test by: NewVenture, LLC, Ellendale, MN

PREV. CROP/HERB: Soybean
SOIL DESCRIPTION: Fram-Vallers-Parnell silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION: Strip-till, high P, high K, 6.7 pH, 4.1% OM
PEST MANAGEMENT: Callisto, Roundup, Force
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-50-20
SEEDING - RATE - ROW: May 2 35,080 /A 30" spacing
HARVESTED - STAND: Oct 20 34,000 /A

Early-Season Test

93 - 98 Day CRM
B2016MNWC02a

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
Latham	LH4529SS	STX	95	249.3	18.0	0	33.9	704	1
Titan Pro	TP 58-95 SS	STX,B	95	247.0	18.2	0	34.4	697	2
Titan Pro	TP 54-98 2P	VT2P,B	98	245.7	17.6	0	33.4	697	3
Dahlman	R47-24VT2P	VT2P	94	244.7	17.8	0	34.8	693	4
Latham	LH4437VT2Pro	VT2P	94	242.7	17.8	0	35.3	687	5
Renk	RK522SSTX	STX,B	94	241.3	17.1	0	32.4	687	6
Renk	RK566SSTX	STX	94	241.2	18.1	0	33.4	681	8
Channel	197-50VT2PRIB	VT2P,B	97	241.1	18.2	0	33.9	680	11
Renk	RK596SSTX	STX,B	98	241.0	18.0	0	33.4	681	9
LG Seeds	LG5415STXRIB	STX,B	93	240.7	17.3	0	32.4	684	7
Mustang	3294GENVT2P	VT2P	94	240.1	17.8	0	33.9	679	12
Dyna-Gro	D35SS58	STX	95	240.0	18.0	0	33.4	678	13
Enestvedt	E656SSRIB	STX,B	95	240.0	18.2	0	33.9	677	14
LG Seeds	LG5410VT2PRIB	VT2P,B	92	239.2	17.2	0	34.4	681	10
Renk	RK568VT3P	VT3P	95	238.4	17.5	0	34.8	676	15
Enestvedt	E652VT3Pro	VT3P	95	237.7	17.6	0	34.8	674	16
Dyna-Gro	D34VC54	VT2P	94	237.5	17.7	0	35.8	673	17
Mustang	3894GENSSRIB	STX,B	94	235.8	17.7	0	32.9	668	19
NorthStar	NS96-103GENSS	STX	96	235.4	18.5	0	32.9	662	23
Pioneer	P9834AMX GC	AMX,B	98	235.3	18.0	0	32.4	665	21
Mustang	4298GENVT2PRIB	VT2P,B	98	234.9	17.3	0	34.4	668	20
Latham	LH4454VT2ProRIB	VT2P,B	94	234.0	17.6	0	33.9	663	22
Titan Pro	TP 48-93 2P	VT2P,B	93	233.6	17.7	0	34.4	662	24
Channel	193-53STXRIB	STX,B	93	233.4	17.9	0	34.4	660	26
Channel	195-18VT2PRIB	VT2P,B	95	233.0	17.8	0	34.4	659	27
NorthStar	NS95-421GENSSRIB	STX,B	95	232.9	17.4	0	33.9	661	25
Proseed	PX694VT2P GC	VT2P	94	232.0	17.6	0	33.9	658	28
Viking	E52-95R	VT2P,B	95	231.2	17.6	0	33.4	655	29
Federal	4558SSTXRIB	STX,B	95	230.7	17.4	0	33.4	655	30
NorthStar	NS96-578VT3PRIB	VT3P,B	96	230.5	17.3	0	32.9	655	31
Dekalb	DKC48-56RIB CK	STX,B	98	237.1	18.3	0	34.4	668	18

Averages = **229.4** **17.8** **0** **34.0** **649**

LSD (0.10) = 14.6 0.5 ns

LSD (0.25) = 10.2 0.4 ns

C.V. = 4.7 Prev. years average yield, 193.1 bu/a, 10 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.90; non-GMO = \$2.90

Test Comments: *Planting conditions at this site were nearly perfect. Doug said that the crop started out poorly due to dry conditions. A timely 4.5" rain came on July 11. From that point forward, rain and heat were abundant throughout the growing season. Ears were large and filled to the tip with deep kernels. No weed issues and minimal disease pressure. Doug said that the field around the plot averaged 220 bpa.*

† 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: 10/21/2016 Revised:

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SOIL CONDITION: Strip-till, high P, high K, 6.7 pH, 4.1% OM
PEST MANAGEMENT: Callisto, Roundup, Force
FERTILITY - Applied N: 150 Spring
Applied N-P-K (units): 150-50-20
SEEDING - RATE - ROW: May 2 35,080 /A 30" spacing
HARVESTED - STAND: Oct 20 34,200 /A

Full-Season Test
99 - 102 Day CRM
B2016MNWC02b

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
Channel	201-28VT2PRIB	VT2P,B	101	242.1	18.1	0	34.8	683	1
Viking	D71-00RL	STX,B	100	241.3	18.3	0	33.4	680	2
NuTech/G2 Gen	5Z-601^	OI,AQ	101	241.2	18.2	0	33.4	680	3
NuTech/G2 Gen	5K-702^	OIXT	102	240.6	18.7	0	34.8	675	5
NorthStar	NS102-304 3011A	3011,A	102	240.3	18.8	0	33.4	674	6
Renk	RK608DGV2P	VT2P,DG	100	239.4	17.9	0	34.4	677	4
Renk	RK666SSTX	STX,B	102	238.9	18.5	0	35.3	672	7
LG Seeds	LG5501VT2PRIB	VT2P,B	100	237.9	18.3	0	31.9	670	8
Renk	RK612SSTX	STX,B	100	236.6	17.8	0	34.4	670	9
Titan Pro	TP 67-02 SS	STX	102	236.4	17.7	0	34.8	670	10
Latham	LH5215VT2ProRIB	VT2P,B	102	235.5	19.5	0	34.4	656	14
Renk	RK595SSTX	STX	99	235.3	17.7	0	33.9	666	11
Dahlman	R52-328SSRIB	STX,B	103	234.6	19.5	0	34.8	654	15
Enestvedt	E696SSRIB	STX,B	100	233.6	19.0	0	33.9	654	16
Titan Pro	TP 65-00 2P	VT2P,DG	100	233.1	18.1	0	33.9	658	12
Dairyland	DS-9599	3000GT	99	233.0	18.2	0	32.9	657	13
Pfister	61C1VX	HXT,RR2	101	232.7	18.5	0	34.4	654	17
Mustang	6800GENSS	STX	100	232.1	18.7	0	34.8	652	19
Federal	5060SSTAX	STX	100	232.1	18.9	0	34.8	650	21
Dahlman	R50-357SSRIB	STX,B	100	231.2	19.0	0	33.9	647	22
Dairyland	DS-9701RA	STX,B	101	231.0	18.0	0	33.9	653	18
NuTech/G2 Gen	X5Y-9902^	OIX	99	229.5	18.3	0	34.4	647	23
LG Seeds	LG5470STXRIB	STX,B	98	229.3	18.3	0	34.4	646	24
Channel	202-52STXRIB	STX,B	102	229.1	18.3	0	33.9	645	25
Channel	202-20STXRIB	STX,B	102	228.9	18.5	0	33.9	644	26
Dekalb	DKC50-84RIB GC	VT2P,B	100	228.8	18.4	0	33.9	644	27
Prairie Brand	5026RA	STX,B	100	228.5	18.7	0	32.9	642	28
Viking	E27-02R	VT2P,DG	102	226.8	18.0	0	33.9	641	29
Thunder	4600RR	RR2	100	226.2	18.2	0	34.4	638	30
Channel	199-29STXRIB	STX,B	99	225.1	17.6	0	33.9	638	31
Dekalb	DKC48-56RIB CK	STX,B	98	230.9	18.2	0	34.8	651	20

Averages = **227.7** **18.4** **0** **34.2** **641**

LSD (0.10) = 14.4 0.5 ns

LSD (0.25) = 10.1 0.4 ns

C.V. = 4.7 Prev. years average yield, 193.1 bu/a, 10 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$2.90; non-GMO = \$2.90

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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					

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	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.