

2014 Corn Grain Top 30 Harvest Report
 Minnesota Southeast [MNSE] CANNON FALLS
 Marc Hernke, Goodhue County, MN 55009



PREV. CROP/HERB: Corn / Sure Start, Roundup
 SOIL DESCRIPTION: Port Byron-Joy silty clay loam, mod. well drained, conventional w/ fall till, non-irrigated
 SOIL CONDITION: High P, high K, 7.4 pH, 2.6% OM
 PEST MANAGEMENT: Force, Capreno
 FERTILITY - Applied N: 210 Fall
 Applied N-P-K (units): 210-230-170
 SEEDED - RATE - ROW: May 18 35,300 /A 30" spacing
 HARVESTED - STAND: Oct 22 32,800 /A

Early-Season Test
95 - 100 Day CRM
 B2014MNSE17a

Top 30 of 63
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	219.8	22.1	0	33.0	642	1
AgriGold	A6257STXRIB	STX,B	AC,P5V	100	212.3	20.8	0	33.5	627	9
Wensman	W 70975VT3PRIB	VT3P,B	AC,P5V	97	211.8	18.5	0	34.9	638	3
Channel	197-68STXRIB	STX,B	AC,P5V	97	211.8	20.8	0	34.4	626	10
Channel	196-77STXRIB	STX,B	AC,P5V	96	211.4	19.8	0	32.1	630	6
Dahlman	R47-35VT3PRIB	VT3P,B	AC,P2	94	211.2	17.8	0	32.1	640	2
Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100	210.3	19.4	2	32.1	629	7
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98	209.6	19.6	1	33.5	626	11
Gold Country	95-33R3P	VT3P,B	AC,P5V	95	209.0	17.0	0	32.5	637	4
LG Seeds	LG5460STX	STX	AC,P5V	97	207.5	17.0	0	33.0	633	5
Wyffels	W1698RIB	STX,B	AC,P5V	97	205.6	19.2	0	32.1	616	15
Wensman	W 90979STX	STX	AC,P5V	97	204.9	17.4	3	32.6	623	13
Rob-See-Co	Innotech IC4903^	3111A	CM,C2	99	204.3	20.3	0	33.5	606	23
Latham	LH4859SSRIB	STX,B	AC,P5V	98	204.1	19.8	0	30.7	608	22
Viking	51-95N	None	CM,C2	95	203.7	16.5	0	33.5	624	12
Channel	199-29STXRIB	STX,B	AC,P5V	99	203.4	18.5	0	33.5	613	16
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	202.9	18.3	0	33.5	612	17
Renk	RK568VT3P	VT3P,B	AC,P2	95	202.9	19.0	1	33.0	609	21
AgriGold	A6217STX	STX	AC,P5V	97	202.7	18.6	2	33.0	610	18
Wensman	W 90967STXRIB	STX,B	AC,P5V	96	202.6	16.1	0	33.5	622	14
Wyffels	W2308	STX	AC,P5V	100	202.6	20.5	3	33.5	600	26
Titan Pro	TP 30-96	None	CM,C2	96	202.4	18.5	3	32.6	610	19
Gold Country	98-38RSS	STX,B	AC,P5V	98	202.1	18.3	0	33.0	610	20
Dahlman	R49-312SSRIB	STX,B	AC,P5V	98	201.1	20.1	0	31.7	598	27
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	198.7	19.0	0	32.5	596	28
Wensman	W 9288STXRIB	STX,B	AC,P5V	98	198.3	18.7	1	33.0	596	29
Viking	D37-98RL	STX,B	AC,P5V	98	198.0	17.4	1	32.1	602	25
NuTech/G2 Gen	5Y-196^	OIX	MQ,P1V,R	96	196.6	16.0	2	31.2	605	24
AgriGold	A6202VT3PRIB	VT3P,B	AC,P5V	96	196.5	18.0	0	32.1	594	30
Pioneer	P9917 GC	None	MQ,C2	99	192.3	15.9	0	33.0	592	31
Dekalb	DKC49-29RIB CK	STX,B	AC,P5V	99	209.4	18.9	0	31.2	629	8

Mark Querna
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Test Average = **193.9** **18.5** **2** **32.8** **584**
 LSD (0.10) = 12.1 1.5 6
 LSD (0.25) = 8.5 1.0 4
 C.V. = 4.6 6.0

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = $\frac{\$3.10}{\$3.10}$ Local GMO / non-GMO

Test Comments: *Planting was delayed by wet soils here, but emergence was excellent. June was incredibly wet, and below normal temperatures caused heat units to be below average all season. In spite of these challenges, this site yielded very well. Marc reports that yields have been ranging from about 185-205 bu/acre, and grain moistures are finally dropping, due to the warm and dry weather in October.*

† 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

Additional reports available at www.firstseedtests.com
 Report date: 10/24/2014 Revised:

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 Minnesota Southeast [MNSE] CANNON FALLS
 Marc Hernke, Goodhue County, MN 55009



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / Sure Start, Roundup
 SOIL DESCRIPTION: Port Byron-Joy silty clay loam, mod. well drained, conventional w/ fall till, non-irrigated
 SOIL CONDITION: High P, high K, 7.4 pH, 2.6% OM
 PEST MANAGEMENT: Force, Capreno
 FERTILITY - Applied N: 210 Fall
 Applied N-P-K (units): 210-230-170
 SEEDED - RATE - ROW: May 18 35,300 /A 30" spacing
 HARVESTED - STAND: Oct 22 32,100 /A

Full-Season Test
101 - 104 Day CRM
 B2014MNSE17b

Top 30 of 63
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AgriGold	A6267STXRIB	STX,B	AC,P5V	102	218.4	23.4	0	33.0	631	2
Wensman	W 9325STXRIB	STX,B	AC,P5V	102	217.0	23.3	0	30.7	628	3
Channel	201-39STXRIB	STX,B	AC,P5V	101	216.9	21.4	0	33.0	638	1
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	216.9	23.7	1	31.6	625	4
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103	212.7	22.3	0	33.0	621	6
Wensman	W 91011STXRIB	STX,B	AC,P5V	101	211.8	21.5	0	33.5	622	5
Wensman	W 7320VT3PRIB	VT3P,B	AC,P5V	101	210.7	21.9	0	33.5	617	7
AgriGold	A6300STX	STX	AC,P5V	103	209.6	21.3	0	30.7	617	8
Renk	RK666SSTX	STX,B	AC,P2	102	203.8	20.5	0	30.7	604	9
Wyffels	W2888RIB	STX,B	AC,P5V	102	203.7	21.3	0	29.8	599	10
Latham	LH5219SSRIB	STX,B	AC,P5V	102	203.5	24.0	10	30.7	585	14
Dahlman	R51-313SSRIB	STX,B	AC,P2	102	202.2	22.6	0	31.2	588	13
Titan Pro	TP 39-02 SS	STX,B	AC,P5V	102	201.0	21.1	0	31.6	592	12
AgriGold	A6351STX	STX	AC,P5V	105	199.6	21.8	0	32.5	585	15
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102	199.1	21.5	7	32.6	585	16
Prairie Brand	5065GT3	3000GT	CM,C2	100	198.5	23.8	2	32.5	572	23
Dyna-Gro	D42SS42	STX	AC,P5V	102	194.9	19.5	0	33.0	582	18
Dyna-Gro	D41SS71	STX	AC,P5V	101	194.9	23.3	0	32.1	564	27
Channel	203-88STXRIB	STX,B	AC,P5V	103	194.4	19.5	5	28.9	581	20
NK Brand	N45P-3011A GC	3011A	AVC,C5	101	194.0	19.1	1	33.5	582	19
Rob-See-Co	Innotech IC5112^	3011A	CM,C2	101	193.9	18.6	0	32.6	584	17
Pioneer	P0448 GC	None	MQ,C2	104	192.0	20.4	2	33.9	569	24
Spectrum	5285	None	CM,C2	102	191.7	17.9	6	32.6	580	21
Anderson	6073	None	M,D,At	101	190.0	17.9	0	32.1	575	22
Viking	57-01N	None	CM,C2	101	188.8	18.9	0	30.7	567	25
Wyffels	W3358	STX	AC,P5V	103	188.6	19.7	0	32.6	562	30
Prairie Brand	X1458SX	STX	CM,C2	102	188.4	20.4	5	33.5	559	31
Renk	RK633SSTX	STX,B	AC,P2	101	188.3	19.4	2	33.0	563	28
Titan Pro	1018	None	CM,C2	101	184.7	17.0	0	30.7	563	29
Latham	LH5145VT2PRODGRI	VT2P,DG,B	AC,P5V	101	183.5	15.7	3	32.1	566	26
Dekalb	DKC49-29RIB CK	STX,B	AC,P5V	99	200.7	20.6	0	32.1	594	11

Mark Querna
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Test Average = **186.6** 20.5 7 32.1 552
 LSD (0.10) = 12.7 1.4 14
 LSD (0.25) = 8.9 1.0 10
 C.V. = 5.0 5.0

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Price = $\frac{\$3.10}{\$3.10}$ Local GMO non-GMO

Test Comments: *Planting was delayed by wet soils here, but emergence was excellent. June was incredibly wet, and below normal temperatures caused heat units to be below average all season. In spite of these challenges, this site yielded very well. Marc reports that yields have been ranging from about 185-205 bu/acre, and grain moistures are finally dropping, due to the warm and dry weather in October.*

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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
AgriGold	A620VT3PRIB	VT3P,B	AC,P5V	96	Renk	RK581SSTX	STX,B	AC,P2	100
AgriGold	A6217STX	STX	AC,P5V	97	Renk	RK605SSTX	STX	AC,P2	100
AgriGold	A6257STXRIB	STX,B	AC,P5V	100	Rob-See-Co	Innotech IC4654 ^A	3111	CM,C2	96
Anderson	6226	None	M,D,At	98	Rob-See-Co	Innotech IC4903 ^A	3111A	CM,C2	99
Anderson	689R	RR2	M,D,At	95	Spectrum	4655	None	CM,C2,St	96
Anderson	689VT3P	VT3P	CE,C2	95	Titan Pro	TP 30-96	None	CM,C2	96
Anderson	7902	None	M,D,At	95	Titan Pro	TP 30-99	None	CM,C2	99
Channel	196-77STXRIB	STX,B	AC,P5V	96	Titan Pro	TP 39-00 SS	STX,B	AC,P5V	100
Channel	197-68STXRIB	STX,B	AC,P5V	97	Titan Pro	TP 39-98 SS	STX,B	AC,P5V	98
Channel	199-29STXRIB	STX,B	AC,P5V	99	Viking	51-95N	None	CM,C2	95
Dahlman	R47-35VT3PRIB	VT3P,B	AC,P2	94	Viking	C44-95R	VT3P,B	AC,P2	95
Dahlman	R49-312SSRIB	STX,B	AC,P5V	98	Viking	D37-98RL	STX,B	AC,P5V	98
Dairyland	DS9900SSX	STX	CM,C2	99	Wensman	W 70975VT3PRIB	VT3P,B	AC,P5V	97
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	Wensman	W 90967STXRIB	STX,B	AC,P5V	96
Dekalb	DKC49-29RIB CK	STX,B	AC,P5V	99	Wensman	W 90979STX	STX	AC,P5V	97
Dyna-Gro	D37SS60	STX	AC,P5V	97	Wensman	W 9288STXRIB	STX,B	AC,P5V	98
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	Wyffels	W1698RIB	STX,B	AC,P5V	97
Gold Country	95-33R3P	VT3P,B	AC,P5V	95	Wyffels	W2308	STX	AC,P5V	100
Gold Country	97-65RSS	STX,B	AC,P5V	97					
Gold Country	98-38RSS	STX,B	AC,P5V	98					
Gold Country	99-52RSS	STX,B	AC,P5V	99					
Latham	LH4645VT2PRORIB	VT2P,B	AC,P5V	96					
Latham	LH4859SSRIB	STX,B	AC,P5V	98					
Latham	LH4955VT2PRORIB	VT2P,B	AC,P5V	99					
Latham	LH5096VT3PRORIB	VT3P,B	AC,P2	100					
LG Seeds	LG5460STX	STX	AC,P5V	97					
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98					
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100					
NuTech	5V-195	3111	CM,C2	95					
NuTech/G2 Gen	5F-198 ^A	AM,B	MQ,P5V	98					
NuTech/G2 Gen	5F-399 ^A	AM,B	MQ,P5V	99					
NuTech/G2 Gen	5X-698 ^A	HXT,RR2,AC	MQ,P5V	98					
NuTech/G2 Gen	5Y-196 ^A	OIX	MQ,P1V,R	96					
Pfister	1695RA	STX,B	CM,C2	95					
Pfister	1740SS	STX	AC,P5	98					
Pfister	1780RA	STX,B	CM,C2	98					
Pfister	1785GT3000	3000GT	CM,C2	100					
Pioneer	P9917 GC	None	MQ,C2	99					
Prairie Brand	1022RA	STX,B	CM,C2	101					
Prairie Brand	4995SX	STX	CM,C2	99					
Prairie Brand	992RA	STX,B	CM,C2	100					
Prairie Hybrids	353	None	M,D,L	96					
Prairie Hybrids	EX7247	None	M,D,L	101					
Renk	RK557SSTX	STX,B	AC,P2	95					
Renk	RK568VT3P	VT3P,B	AC,P2	95					

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Full-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgriGold	A6267STXRIB	STX,B	AC,P5V	102	Renk	RK629VT3P	VT3P,B	AC,P2	101
AgriGold	A6300STX	STX	AC,P5V	103	Renk	RK633SSTX	STX,B	AC,P2	101
AgriGold	A6351STX	STX	AC,P5V	105	Renk	RK666SSTX	STX,B	AC,P2	102
Anderson	588VT3P	VT3P	CE,C2	101	Rob-See-Co	Innotech IC5112^	3011A	CM,C2	101
Anderson	6073	None	M,D,At	101	Spectrum	5285	None	CM,C2	102
Anderson	622SRC	STX,B	AC,P2	100	Titan Pro	1018	None	CM,C2	101
Channel	201-39STXRIB	STX,B	AC,P5V	101	Titan Pro	TP 39-02 SS	STX,B	AC,P5V	102
Channel	202-64STXRIB	STX,B	AC,P5V	102	Titan Pro	TP 40-00	None	CM,C2	100
Channel	203-88STXRIB	STX,B	AC,P5V	103	Titan Pro	TP 40-03	None	CM,C2	103
Dahlman	R51-313SSRIB	STX,B	AC,P2	102	Viking	57-01N	None	CM,C2	101
Dahlman	R53-319SSRIB	STX,B	AC,P2	105	Viking	60-01N	None	CM,C2	101
Dekalb	DKC49-29RIB CK	STX,B	AC,P5V	99	Viking	72-04N	None	CM,C2	104
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103	Wensman	W 7320VT3PRIB	VT3P,B	AC,P5V	101
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Wensman	W 91011STXRIB	STX,B	AC,P5V	101
Dyna-Gro	D41SS71	STX	AC,P5V	101	Wensman	W 91051STX	STX	AC,P5V	105
Dyna-Gro	D42SS42	STX	AC,P5V	102	Wensman	W 9325STXRIB	STX,B	AC,P5V	102
Gold Country	102-88RSS	STX,B	AC,P5V	102	Wyffels	W2888RIB	STX,B	AC,P5V	102
Gold Country	105-49RSS	STX,B	AC,P5V	105	Wyffels	W3358	STX	AC,P5V	103
Latham	LH5145VT2PRODGRIB	VT2P,DG,B	AC,P5V	101					
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102					
Latham	LH5219SSRIB	STX,B	AC,P5V	102					
Latham	LH5466VT3PRORIB	VT3P,B	AC,P2	104					
LG Seeds	LG5502STX	STX	AC,P5V	102					
LG Seeds	LG5518STXRIB	STX,B	AC,P5V	104					
NK Brand	N45P-3011A GC	3011A	AVC,C5	101					
NK Brand	N49W-3000GT GC	3000GT	AVC,C5	102					
NuTech	5N-803	3000GT	CM,C2	101					
NuTech/G2 Gen	5F-200^	AM,AQ,B	MQ,P5V	100					
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102					
NuTech/G2 Gen	5L-802^	AMXT,B	MQ,P5V	102					
NuTech/G2 Gen	5Z-002^	OI	MQ,P1V,R	102					
Pfister	2225RA	STX,B	CM,C2	102					
Pfister	2313RA	STX,B	CM,C2	104					
Pfister	2399GT3000	3000GT	CM,C2	104					
Pioneer	36V52 GC	None	MQ,C2	102					
Pioneer	P0392AMX GC	AMX,B	MQ,C2	103					
Pioneer	P0448 GC	None	MQ,C2	104					
Prairie Brand	5065GT3	3000GT	CM,C2	100					
Prairie Brand	5495SX	STX	CM,C2	104					
Prairie Brand	5785SX	STX	CM,C2	107					
Prairie Brand	X1458SX	STX	CM,C2	102					
Prairie Hybrids	2554	None	M,D,L	103					
Prairie Hybrids	2730	None	M,D,L	102					
Prairie Hybrids	3074	None	M,D,L	104					
Prairie Hybrids	3104	None	M,D,L	104					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. 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®, RPM®, Supreme EX®, VPMaXX® and XL® are registered trademarks of DuPont Pioneer.
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)	DG	Genuity® DroughtGard®
3011A	Agrisure® Artesian® (CB,RW,LL,GT)	GT	Agrisure® GT
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	GT/CB/LL	Agrisure® GT/CB/LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	HXRW	Herculex® Rootworm, contains LL
5122	Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
5222	Agrisure® Duracade® 5122 (Vip,CB,HX,RW,RW2,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
A	Agrisure® Artesian®	LL	LibertyLink®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	None	conventional corn
AM-R	Optimum® AcreMax® (YGCB,HX,RR2)	OI	Optimum® Intrasect® (YGCB,HX,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)	OIX	Optimum® Intrasect® Xtra (YGCB,HXT,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMRW-R	Optimum® AcreMax® Rootworm (HXRW,RR2)	OL	Optimum® Leptra® (Vip,YGCB,HX,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OT	Optimum® TRIssect® (HX,RW,LL,RR2)
AMX-R	Optimum® AcreMax® Xtra (YGCB,HXT,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,LL,RR2)	STX	SmartStax® (VT3P,HXX)
AQ	Optimum® AQUAmax®	VT2P	Genuity® VT Double PRO®
B	Blended seed (i.e. refuge blend)	VT3	YieldGard VT Triple®
CB/LL	Agrisure® CB/LL	VT3P	Genuity® VT Triple PRO®
CB/LL/RW	Agrisure® CB/LL/RW	YGCB	YieldGard® Corn Borer

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

A	Allegiance®	L	Lorsban®
AC	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® (tebuconazole)
CM	CruiserMaxx® Corn	St	Stamina® (pyraclostrobin)
D	Dynasty® (azoxystrobin)	V	Votivo®
Es	Escalate®	Z	zinc

** Seed treatments may include unspecified plant health promoting components.