

2014 Corn Grain Top 30 Harvest Report

Minnesota Southeast [MNSE] KASSON
 Brian Herbst, Dodge County, MN 55944



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Readlyn silt loam, well drained, minimum w/o fall till, non-irrigated
 SOIL CONDITION: High P, high K, 6.7 pH, 3.4% OM
 PEST MANAGEMENT: Force, Steadfast, Callisto
 FERTILITY - Applied N: 178 Spring
 Applied N-P-K (units): 178-0-110
 SEEDED - RATE - ROW: May 18 35,300 /A 30" spacing
 HARVESTED - STAND: Nov 2 33,700 /A

Early-Season Test
95 - 100 Day CRM
 B2014MNSE15a

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
Channel	197-68STXRIB	STX,B	AC,P5V	97	245.3	21.5	0	34.4	721	2
Dyna-Gro	D37SS60	STX	AC,P5V	97	244.5	20.0	0	33.0	727	1
Gold Country	98-38RSS	STX,B	AC,P5V	98	240.6	20.3	0	33.9	714	3
Renk	RK605SSTX	STX	AC,P2	100	239.5	20.0	0	34.9	713	4
LG Seeds	LG5499STXRIB	STX,B	AC,P5V	100	237.0	23.1	0	34.4	687	15
AgriGold	A6257STXRIB	STX,B	AC,P5V	100	235.6	21.5	0	34.9	692	9
Gold Country	95-33R3P	VT3P,B	AC,P5V	95	235.2	19.1	0	35.8	705	5
AgriGold	A6217STX	STX	AC,P5V	97	233.6	20.5	0	33.9	692	10
LG Seeds	LG5460STX	STX	AC,P5V	97	233.2	19.8	0	34.0	695	7
Wensman	W 90979STX	STX	AC,P5V	97	232.9	20.3	0	33.9	691	11
Titan Pro	TP 30-99	None	CM,C2	99	232.8	19.7	0	34.9	694	8
LG Seeds	LG5470STXRIB	STX,B	AC,P5V	98	232.5	20.7	0	33.9	688	14
Prairie Brand	1022RA	STX,B	CM,C2	101	232.5	21.9	0	35.3	681	20
Channel	199-29STXRIB	STX,B	AC,P5V	99	232.1	19.9	0	32.6	691	12
Wyffels	W1698RIB	STX,B	AC,P5V	97	231.9	21.6	0	32.6	681	21
Latham	LH4955VT2PRORIB	VT2P,B	AC,P5V	99	231.8	20.5	0	34.4	687	16
Pioneer	P9917 GC	None	MQ,C2	99	231.2	18.6	1	34.4	696	6
Titan Pro	TP 30-96	None	CM,C2	96	231.2	19.6	0	34.4	690	13
Anderson	6226	None	M,D,At	98	230.8	20.3	0	34.4	685	17
Channel	196-77STXRIB	STX,B	AC,P5V	96	229.2	20.0	0	32.6	682	18
Dyna-Gro	D39VP14	VT3P	AC,P5V	99	229.1	21.3	0	33.5	674	26
Prairie Hybrids	EX7247	None	M,D,L	101	228.7	20.2	0	32.6	679	22
Prairie Brand	992RA	STX,B	CM,C2	100	227.4	20.7	0	34.0	673	28
AgriGold	A6202VT3PRIB	VT3P,B	AC,P5V	96	227.3	19.6	0	35.3	678	23
Dekalb	DKC48-12RIB GC	STX,B	AC,P5V	98	227.2	19.7	0	33.0	678	24
Rob-See-Co	Innotech IC4654^	3111	CM,C2	96	227.1	18.8	0	32.5	682	19
Wensman	W 9288STXRIB	STX,B	AC,P5V	98	226.4	20.6	0	34.9	670	30
Renk	RK568VT3P	VT3P,B	AC,P2	95	225.3	19.7	0	34.4	672	29
Dahlman	R47-35VT3PRIB	VT3P,B	AC,P2	94	224.9	18.8	0	35.3	676	25
Viking	C44-95R	VT3P,B	AC,P2	95	223.5	18.4	0	33.5	674	27
Dekalb	DKC49-29RIB CK	STX,B	AC,P5V	99	219.1	20.6	0	34.4	649	44

Mark Querna
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Test Average = **223.0** 20.1 0 33.7 663
 LSD (0.10) = 13.2 1.0 2
 LSD (0.25) = 9.2 0.7 1
 C.V. = 4.4 3.7

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: A wet spring delayed field work, but conditions were quite good at planting. 9" of rain fell in June, hampering root development. July brought only 2.2", but temps were moderate. In fact, Brian stated that GDU's were 190 below normal in July alone. 6" of rain fell in August, which fed these shallow-rooted plants. Brian believes the plants ran out of nitrogen due to the continued rains all summer.

† 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: High P, high K, 6.7 pH, 3.4% OM
 PEST MANAGEMENT: Force, Steadfast, Callisto
 FERTILITY - Applied N: 178 Spring
 Applied N-P-K (units): 178-0-110
 SEEDED - RATE - ROW: May 18 35,300 /A 30" spacing
 HARVESTED - STAND: Nov 2 33,400 /A

Full-Season Test

101 - 104 Day CRM

B2014MNSE15b

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
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102	233.1	24.5	0	34.9	667	3
Titan Pro	TP 40-03	None	CM,C2	103	231.5	23.1	4	34.4	671	2
Gold Country	105-49RSS	STX,B	AC,P5V	105	228.4	22.4	0	34.4	666	5
NuTech/G2 Gen	5H-502^	HX,RR2	MQ,P5V	102	227.4	21.8	0	33.5	666	6
Titan Pro	TP 40-00	None	CM,C2	100	226.8	20.5	0	33.9	672	1
LG Seeds	LG5502STX	STX	AC,P5V	102	226.1	21.2	0	34.9	666	7
Channel	201-39STXRIB	STX,B	AC,P5V	101	225.5	22.2	0	33.5	658	8
Viking	57-01N	None	CM,C2	101	224.9	20.4	0	32.5	667	4
Wensman	W 9325STXRIB	STX,B	AC,P5V	102	223.9	23.8	0	33.5	645	18
Gold Country	102-88RSS	STX,B	AC,P5V	102	223.7	22.2	0	34.4	653	10
Renk	RK633SSTX	STX,B	AC,P2	101	223.5	21.5	0	33.5	657	9
AgriGold	A6267STXRIB	STX,B	AC,P5V	102	223.5	22.3	0	33.0	652	12
Wensman	W 7320VT3PRIB	VT3P,B	AC,P5V	101	223.3	22.9	0	32.6	648	14
Wyffels	W2888RIB	STX,B	AC,P5V	102	223.1	22.5	0	33.9	650	13
Pioneer	P0448 GC	None	MQ,C2	104	220.8	21.8	0	32.5	647	16
Wyffels	W3358	STX	AC,P5V	103	220.5	21.5	0	33.0	648	15
Rob-See-Co	Innotech IC5112^	3011A	CM,C2	101	220.5	21.9	0	31.2	646	17
Latham	LH5219SSRIB	STX,B	AC,P5V	102	220.5	23.9	0	33.0	634	23
Anderson	6073	None	M,D,At	101	220.2	20.4	0	34.9	653	11
NK Brand	N49W-3000GT GC	3000GT	AVC,C5	102	217.9	20.7	0	33.9	644	19
NuTech/G2 Gen	5Z-002^	OI	MQ,P1V,R	102	216.7	21.7	0	31.2	635	22
AgriGold	A6300STX	STX	AC,P5V	103	216.7	22.2	0	32.1	633	25
Pfister	2313RA	STX,B	CM,C2	104	216.3	24.0	5	33.5	622	30
Channel	202-64STXRIB	STX,B	AC,P5V	102	216.2	20.4	0	33.0	641	20
Channel	203-88STXRIB	STX,B	AC,P5V	103	216.2	21.0	0	29.8	638	21
Prairie Brand	X1458SX	STX	CM,C2	102	216.0	23.0	0	33.0	626	28
NuTech/G2 Gen	5F-200^	AM,AQ,B	MQ,P5V	100	214.2	20.6	1	32.5	634	24
Spectrum	5285	None	CM,C2	102	213.4	21.5	0	35.3	627	26
Prairie Hybrids	2554	None	M,D,L	103	212.4	20.9	1	33.5	627	27
Pfister	2399GT3000	3000GT	CM,C2	104	212.3	21.6	3	33.9	623	29
Dekalb	DKC49-29RIB CK	STX,B	AC,P5V	99	211.1	21.6	0	33.9	620	34

Mark Querna

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Test Average = **213.0** **22.0** **1** **33.4** **623**

LSD (0.10) = 13.4 1.2 6

LSD (0.25) = 9.3 0.8 4

C.V. = 4.6 4.0

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

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2014 Corn Grain - Minnesota Southeast [MNSE]



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® TRIsect® (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	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® (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.