

2011 BETTER HYBRIDS Harvest Report for Iowa East Central [IAEC]

Diaan Roos, Scott County, IA 52716 [MUSCATINE]

EARLY SEASON TEST
105 - 110 Day CRM

PREV. CROP/HERB: Corn / Corvus, Atrazine, Roundup B11AEC27a
 SOIL DESCRIPTION: Tama silt loam, well drained, conventional w/ fall till, non-irrigated
 SOIL CONDITION: Moderate P, moderate K, 6.8 pH, 4.5% OM
 PEST MANAGEMENT: Corvus, Atrazine, Instinct, Roundup, Status, Quit Xcel 30" ROW SPACING
 FERTILITY - Applied N: 220 Fall,
 Applied N-P-K (units): 220-47-82
 SEEDED - RATE: May 7 35,100 /A TOP 30 OF 63 FOR GROSS INCOME (SORTED BY YIELD)
 HARVESTED - STAND: Oct 6 34,300 /A AVERAGE of (3) REPLICATIONS

Company/Brand	Product/Brand	Technology [†]	IST ^{††}	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LG Seeds	LG2549VT3	VT3	P500,V	109	216.2	19.2	1.0	35.8	1,361.0	1
Dyna-Gro	57V40	VT3	P250	110	213.4	19.9	10.0	35.8	1,339.6	2
FS Seeds	FS 60TV4	VT3P	C250	110	210.6	18.9	1.0	29.9	1,327.3	3
AgriGold	A6458VT3	VT3	P500,V	110	210.0	19.4	1.0	34.8	1,320.9	5
Lewis	1009SS	STX	P500,V	109	209.8	19.1	1.0	35.8	1,321.2	4
Fontanelle	7V657	VT3P	P250	110	206.3	18.2	7.0	35.8	1,303.8	7
Great Lakes	5939G3VT3	VT3	P500,V	109	206.0	18.8	1.0	30.9	1,298.8	8
Channel	209-85VT3P	VT3P	P500,V	109	205.8	17.5	22.0	32.9	1,304.3	6
Fontanelle	7A631	STX	P250	110	204.7	19.0	1.0	37.8	1,289.6	9
LG Seeds	LG2555VT3	VT3	P500,V	110	204.4	19.1	18.7	34.8	1,287.2	11
Stine	9532VT3Pro*	VT3P	C250	106	203.9	18.4	2.0	35.8	1,287.6	10
FS Seeds	FS 58MV4	VT3P	C250	108	202.2	18.3	7.3	34.8	1,277.4	12
Cornelius	C594VT3P	VT3P	P250	109	201.5	17.8	1.0	34.9	1,275.5	13
Renk	RK741VT3P	VT3P	P250	108	201.3	18.7	1.0	35.8	1,269.7	14
Channel	210-57STX	STX	P500,V	110	200.5	18.5	1.0	36.8	1,265.7	15
LG Seeds	LG2544VT3	VT3	P500,V	108	198.2	17.8	1.0	34.8	1,254.6	16
Wyffels	W6871	VT3	P250	110	198.0	19.7	22.0	32.9	1,243.9	17
Stine	9731VT3Pro*	VT3P	C250	110	198.0	20.0	1.0	35.8	1,242.5	18
G2 Genetics	5F-1201^	HXT,RR2	P1250,V	112	197.9	20.2	29.7	35.8	1,240.8	19
Steyer	11002	3000GT	C250	110	196.9	19.7	3.0	35.8	1,237.0	22
Pfister	2570SS	STX	C250,AV	110	196.5	18.8	1.0	32.9	1,238.9	20
AgriGold	A6476VT3Pro	VT3P	P500,V	110	195.1	17.0	9.0	32.9	1,238.9	21
Kruger	K-6408VT3	VT3	P500,V	108	195.1	18.0	1.0	32.9	1,234.0	23
Renk	RK818VT3P	VT3P	P250	108	194.3	19.5	1.0	35.8	1,221.7	24
Kruger	K-7907	VT3P	P500,V	107	191.9	16.7	3.7	34.9	1,220.0	25
Cornelius	C582VT3P	VT3P	C250	109	190.0	19.6	1.0	34.8	1,194.2	29
Stone	5913VT3	VT3	P500,V	109	189.6	17.9	1.0	36.8	1,199.7	27
Dairyland	ST-9210SSX	STX	C250	110	189.6	18.3	1.0	37.8	1,197.8	28
Steyer	10903	VT3P	P250	109	189.6	19.6	1.0	31.9	1,191.6	30
Lewis	1207VT3P	VT3P	P500,V	107	189.3	17.0	6.0	34.8	1,202.1	26
Pioneer	P1292AM1 CK	HXT,RR2	C250	112	172.9	20.3	12.7	32.9	1,083.7	58
Test Average =					189.1	18.1	4.5	34.3	1,195.1	
LSD (0.10) =					14.7	0.6	11.5			
C.V. =					5.7	2.5				

TEST COMMENTS: *This location had ample rainfall for seedling establishment. The weather was hot and dry in July and August which effected the top end yield after pollination. Gray leaf spot was seen through out the plot. Plants were tall and beginning to lodge due to weak stalks combined with recent windy days. Ears easily detached due to weak ear shanks.*
Lat: N41.45085, Long: W-91.13703

Yield & Income Factors:	Base Moisture = 15.0%	Shrink = 1.3	Drying = \$0.025	Price = \$6.40
[†] TECHNOLOGY: Corn Borer - 3000GT, 3111, CB, HX, HXT, STX, VT2P, VT3, VT3P; Corn Rootworm - 3000GT, 3111, AMRW, HXT, RW, STX, VT3, VT3P; Glyphosate - 3000GT, 3111, GT, RR2, STX, VT2P, VT3, VT3P; Liberty - 3000GT, 3111, HX, HXT, LL, STX ^{††} IST: AV - Avicta, C - Cruiser, P - Poncho, 250, 500, and 1250 = 0.25, 0.5, and 1.25 g ai/seed, respectively; V - Votivo → Identifies the check brand included in early- and full-season tests. Bold yields are significantly above test average. Italicized brands exceed the grain moisture limit for this test. GC = grower comparison product, * = brands without a seed lot number; ns = not significantly different				

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Diaan Roos, Scott County, IA 52716 [MUSCATINE]

FULL SEASON TEST
111 - 114 Day CRM

B1IAEC27b

PREV. CROP/HERB: Corn / Corvus, Atrazine, Roundup
 SOIL DESCRIPTION: Tama silt loam, well drained, conventional w/ fall till, non-irrigated
 SOIL CONDITIONS: Moderate P, moderate K, 6.8 pH, 4.5% OM
 PEST MANAGEMENT: Corvus, Atrazine, Instinct, Roundup, Status, Quilt Xcel
 FERTILITY - Applied N: 220 Fall,
 Applied N-P-K (units): 220-47-82

30" ROW SPACING

SEEDED - RATE: May 7 35,100 /A
 HARVESTED - STAND: Oct 6 34,400 /A

TOP 30 OF 63 FOR GROSS INCOME (SORTED BY YIELD)

AVERAGE of (3) REPLICATIONS

Company/Brand	Product/Brand	Technology [†]	IST ^{††}	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Fontanelle	8V227	VT3P	P500,V	114	226.4	20.3	3.7	34.8	1,419.0	1
Stone	6404GVT3P	VT3P	P500,V	114	226.1	20.6	1.0	33.9	1,415.4	2
Great Lakes	6354G3VT3	VT3	P500,V	113	225.9	20.4	1.0	33.9	1,415.3	3
Renk	RK909VT3P	VT3P	P250	113	224.8	20.2	1.0	36.8	1,409.5	4
Kruger	K-7514	VT3P	P500,V	114	223.5	20.3	2.0	36.8	1,400.8	5
Renk	RK858VT3P	VT3P	P250	112	220.9	20.7	1.0	34.8	1,382.3	7
FS Seeds	FS 61BX1	STX	C250	111	219.8	19.2	2.0	37.8	1,383.6	6
Dairyland	ST-9111SSX	STX	C250	111	218.3	20.4	3.7	33.8	1,367.6	8
Stine	9732VT3Pro*	VT3P	C250	112	217.9	21.3	3.7	34.9	1,360.2	9
Fielders Choice	NG6818	VT3	P250	114	217.0	20.9	1.0	32.9	1,356.8	10
Great Lakes	6232G3VT3	VT3	P500,V	112	215.2	20.2	8.7	35.8	1,349.3	12
LG Seeds	LG2636VT3	VT3	P500,V	114	215.1	21.4	1.0	34.8	1,342.2	13
Kruger	K-7312	VT3P	P500,V	112	213.8	18.5	9.0	37.8	1,349.6	11
AgriGold	A6533VT3	VT3	P500,V	113	213.6	20.7	10.0	35.8	1,336.6	14
Dairyland	ST-9414Q	HXT,RR2	C250	114	212.9	22.2	3.7	35.8	1,324.2	16
LG Seeds	LG2602VT3	VT3	P500,V	112	211.4	20.9	11.7	39.8	1,321.8	17
Channel	212-75VT3P	VT3P	P500,V	112	210.7	21.4	1.0	34.8	1,314.8	18
Channel	212-17VT3P	VT3P	P500,V	112	210.6	19.1	1.0	33.9	1,326.3	15
Renze	2332HXT/LL/RR2	HXT,RR2	C250	111	209.6	20.8	1.0	31.8	1,311.0	19
Pioneer	P1498HR GC	HX,RR2	P1250,V	114	208.2	21.6	2.0	35.8	1,298.1	21
Channel	214-14VT3P	VT3P	P500,V	114	207.2	19.1	2.0	31.9	1,304.8	20
Pfister	2574HXTR	HXT,RR2	C250,AV	110	206.7	20.2	2.0	31.9	1,296.0	22
Cornelius	C646VT3P	VT3P	P250	112	206.2	20.1	1.0	34.8	1,293.4	23
AgriGold	A6573VT3	VT3	P500,V	114	206.1	20.4	17.0	33.9	1,291.2	24
Renze	2370HXT/LL/RR2*	HXT,RR2	C250	113	204.8	21.5	1.0	35.8	1,277.4	28
Wyffels	W7477	VT3P	P250	112	204.6	20.5	1.0	33.9	1,281.3	27
FS Seeds	FS 64JV3	VT3	C250	114	204.4	18.8	12.7	36.8	1,288.7	25
NuTech	5V-514*	3111	C250	114	204.4	20.0	1.0	33.9	1,282.6	26
LG Seeds	LG2620VT3	VT3	P500,V	113	202.5	18.8	18.0	35.8	1,276.8	29
Trelay	7ST637	STX	P500,V	110	202.5	19.1	1.0	28.9	1,275.2	30
Pioneer	P1292AM1 CK	HXT,RR2	C250	112	172.1	19.8	2.0	35.8	1,080.8	60
Test Average =					200.4	20.1	4.8	34.4	1,257.1	
LSD (0.10) =					16.1	1.1	11.8			
C.V. =					5.9	4.1				

TEST COMMENTS: This location had ample rainfall for seedling establishment. The weather was hot and dry in July and August which effected the top end yield after pollination. Gray leaf spot was seen through out the plot. Plants were tall and beginning to lodge due to weak stalks combined with recent windy days. Ears easily detached due to weak ear shanks.

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^{††} IST: AV - Avicta, C - Cruiser, P - Poncho, 250, 500, and 1250 = 0.25, 0.5, and 1.25 g ai/seed, respectively; V - Votivo

Identifies the check brand included in early- and full-season tests. Bold yields are significantly above test average. Italicized brands exceed the grain moisture limit for this test. GC = grower comparison product, * = brands without a seed lot number, ns = not significantly different

 Complete brands tested list & searchable database available at www.firstseedtests.com

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Report Date: 10/7/2011

Revised:



Footnotes, Abbreviations, and Trademarks

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^G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doeblers PA Seed. Supreme EX® brand seed is distributed by Seed Consultants, Inc. XL™ and Phoenix™ brand seeds are distributed by Beck's Superior Hybrids. G2®, RPM®, Supreme EX®, and XL™ are trademarks of Pioneer Hi-Bred.

Technologies

3000GT	Agrisure® 3000GT
3111	Agrisure® Viptera™ 3111
AMRW	Optimum® AcreMax™ Rootworm Protection
CB/LL	Agrisure® CB/LL
CB/LL/RW	Agrisure® CB/LL/RW
GT	Agrisure® GT
GT/CB/LL	Agrisure® GT/CB/LL
HX	HERCULEX® I Insect Protection
HXT	HERCULEX® XTRA Insect Protection
LL	LibertyLink® herbicide tolerance
RR	Roundup Ready® Soybeans
RR2	Roundup Ready® Corn 2
RR2Y	Genuity® Roundup Ready 2 Yield®
STX	SmartStax®
STS	STS® herbicide tolerance
VT2P	Genuity® VT Double PRO™
VT3	YieldGard VT Triple®
VT3P	Genuity® VT Triple PRO™

Seed Treatments

A	Allegiance®
AC	Acceleron®
AM	ApronMaxx®
AP	Apron XL®
AV	Avicta®
C	Cruiser®
CM	CruiserMaxx®
E	Excalibre™
I	Inovate™ System
G	Gaucho®
O	Optimize®
P	Poncho®
T	Trilex®
T2	Trilex® 2000
T6	Trilex® 6000
V	VOTIVO®

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