

2010 BETTER VARIETIES Harvest Report for Illinois South [ILSO]

S0ILS011

John Barttelbort, St.Clair County, IL 62224 [BELLEVILLE]

PREV. CROP/HERB: Corn / Bicep II Magnum, Roundup
 SOIL DESCRIPTION: Alford silt loam, non-irrigated, moderately drained
 SOIL CONDITIONS: Medium SCN, moderate P, moderate K, 6.6 pH, 2.2% OM
 TILLAGE/CULTIVATION: no-till
 PEST MANAGEMENT: FirstRate, Select Max, Phoenix
 SEEDING - RATE: May 30 140,000 /A
 HARVESTED - STAND: Oct 15 104,500 /A

 4.0 - 4.7 MAT. GROUP
 TR8" ROW SPACING

 TOP 30 for YIELD of 36 TESTED
 AVERAGE of (3) REPLICATIONS

Company	Brand	Technol.†	Mat.	SCN Resist.	Seed‡ Trmt.	Yield (Bu/A)	Moisture (%)	Lodging (%)	Stand (x 1000)	Gross Income
Kruger	K2-3902	RR2Y	3.9	R	AC	56.3	7.3	32.7	104.5	\$625.7
Kruger	K2-4601	RR2Y	4.6	R	AC	56.0	7.0	3.3	104.5	\$622.7
Beck	XL 466NR^*	RR	4.6	R	ES	52.4	6.6	23.3	104.5	\$583.1
Beck	XL 400NR^	RR	4.0	R	ES	52.2	6.7	22.3	104.5	\$580.8
Diener	4415CR	RR	4.4	R	AC	52.1	7.2	12.7	104.5	\$579.1
Beck	426NL*	LL	4.2	R	ES	50.8	7.1	38.7	104.5	\$564.8
Kruger	K2-4101	RR2Y	4.1	R	AC	50.6	6.5	9.7	104.5	\$563.2
Channel	4700R2	RR2Y	4.7	R	AC	50.0	7.0	23.0	104.5	\$556.0
Kruger	K2-4302	RR2Y	4.3	R	AC	49.4	6.8	11.0	104.5	\$549.5
Kruger	K2-4202	RR2Y	4.2	R	AC	49.0	7.2	1.0	104.5	\$544.7
FS Seeds	HS47A02	RR2Y	4.7	R	AC	48.6	6.9	11.3	104.5	\$540.5
FS Seeds	HS45A02	RR2Y	4.5	R	AC	47.8	7.2	5.7	104.5	\$531.3
Diener	4001CR2	RR2Y	4.0	R	AC	46.0	6.8	24.7	104.5	\$511.7
FS Seeds	HS45T70	RR,STS	4.5	R	CM	45.3	7.1	7.0	104.5	\$503.6
Kruger	K2-4201	RR2Y	4.2	R	AC	45.3	7.2	9.7	104.5	\$503.6
eMerge	e4310S*	STS	4.3	R	CM	44.7	7.4	42.0	104.5	\$496.7
FS Seeds	HS44A02	RR2Y	4.4	MR	AC	44.1	7.1	16.7	104.5	\$490.3
Stone	2R3900	RR2Y	3.9	R	AC	43.5	6.7	36.3	104.5	\$484.0
Kruger	K2-4701	RR2Y	4.7	R	AC	43.2	7.2	5.7	104.5	\$480.2
Stone	2R4201	RR2Y	4.2	R	AC	43.0	7.5	25.7	104.5	\$477.7
FS Seeds	HS42L02	LL	4.2	R	None	42.7	7.7	59.0	104.5	\$474.2
Dyna-Gro	37RY47	RR2Y	4.7	R	AC	41.8	6.9	7.3	104.5	\$464.9
Hoffman	HL42L11*	LL	4.2	R	None	41.5	7.9	60.3	104.5	\$460.7
FS Seeds	HS47A91	RR2Y	4.7	S	AC	40.9	6.8	15.3	104.5	\$455.0
Dyna-Gro	39RY41	RR2Y	4.1	R	AC	40.6	7.4	7.3	104.5	\$451.1
Beck	445NR*	RR,STS	4.4	R	ES	40.0	7.2	24.7	104.5	\$444.6
eMerge	e4520	None	4.5	R	CM	39.5	7.0	29.7	104.5	\$439.2
Beck	XL 432NR^*	RR	4.3	R	ES	39.2	7.0	18.0	104.5	\$435.9
Channel	4500R2	RR2Y	4.5	S	AC	38.7	7.0	12.0	104.5	\$430.3
Kruger	K2-4501	RR2Y	4.5	S	AC	38.1	7.3	20.3	104.5	\$423.4
Test Average =						43.3	7.1	21.0	104.5	\$481.1
LSD (0.10) =						8.2	0.7	22.5		
C.V. =						13.9	7.5			


 F.I.R.S.T. Manager

TEST COMMENTS: This site had severe lodging from heavy rains. Most of the harvesting was accomplished in only one direction.

Harvested seed size varied wildly from 2600 - 4000+ seeds/lb. Seed coats had good quality. Plant heights were very tall ranging from 42 to 55 inches. SDS pressure at this site may have contributed to some variety's low yields??

Lat: N38.50498, Long: W89.8733

Yield & Income Factors: Base Moisture = 13% Shrink = 1.3 Drying = \$0.020 Price = \$11.00

† Technology: LL - LibertyLink, RR - Roundup Ready, RR2Y - Roundup Ready 2 Yield, STS - Sulfonyleurea Tol

‡ Seed Treatment: AC - Accelaron, AM - ApronMaxx, AP - ApronXL, CM - CruiserMaxx, E - Excalibre, ES - Escalate, I - Inovate, O - Optimize, T - Trilex, T6 - Trilex 6000

Results in bold are significantly above the test average. GC = grower chosen product, * brands without a seed lot number; ns = not significantly different

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

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Report Date: 10/17/2010 Revised:



Footnotes, Abbreviations, and Trademarks

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 Seed. XL[™] brand seed is distributed by Beck's Superior Hybrids. G2[®], HPT[®], RPM[®], and XL[™] are trademarks of Pioneer Hi-Bred.

Technologies

3110	Agrisure [®] Viptera [™] 3110
3111	Agrisure [®] Viptera [™] 3111
3000GT	Agrisure [®] 3000GT
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 [®]
RR	Roundup Ready [®] Soybeans
RR2	Roundup Ready [®] Corn 2
RR2Y	Genuity [™] Roundup Ready 2 Yield [®]
SS	Genuity [™] SmartStax [™]
STS	STS [®]
VT2	YieldGard VT Rootworm/RR2 [™]
VT2P	Genuity [™] VT Double PRO [™]
VT3	YieldGard VT Triple [®]
VT3P	Genuity [™] VT Triple PRO [™]
YGCB	YieldGard [®] Corn Borer
YGCB,RR2	YieldGard [®] Corn Borer/Roundup Ready [®] Corn 2
YGPL,RR2	YieldGard [®] Plus/Roundup Ready [®] Corn 2
YGRW,RR2	YieldGard [®] Rootworm/Roundup Ready [®] Corn 2

Seed Treatments

AC	Acceleron [®]
AM	ApronMaxx [®]
AP	Apron XL [®]
AVC	Avicta [®] Complete Corn
C	Cruiser [®]
CM	CruiserMaxx [®]
E	Excalibre [™]
ES	Escalate [™]
I	Inovate [™] System
O	Optimize [®]
P	Poncho [®]
T	Trilex [®]
T6	Trilex [®] 6000
V	Votivo [™]

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