

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: GLXMA - soybean;soya bean;soybean  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 30 FEET  
 PLOT AREA: 225 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQUID MI	
APPLICATION DATE	06/02/16	AME
TIME - BEGIN	11:30	24H
TIME - END	11:45	24H
AIR TEMPERATURE	80	F
% REL.HUMIDITY	40	
WIND DIRECTION	NORTHWEST	
WIND SPEED	5.0	M/H
CLOUD COVER	PAR.CLOUD	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	74/4.00	F/IN
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE VOLUME	0.00	GPM
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
BOOM HEIGHT	20.0	IN
SPEED	3.00	M/H
MIX SIZE	0.330	
MIX SIZE UNIT	GAL	
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	TO BE SEL	
FOLIAGE HEIGHT		FT
FOLIAGE WIDTH		FT
ROW WIDTH		FT
SPRAY VOL LWA/TRV		
S VOL LWA/TRV UNIT		
LEAF WALL AREA		M2H
TREE ROW VOLUME		M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	
CROP *		
P, dent corn	---/15	
N68K-3111A	13.0/15.0	IN
(PLANTED) 04/19/2016	44 DAP	
PEST *		
P, velvetleaf;velve	---/17	
	2.00/8.00	IN
P, tall amaranth;co	---/19	
	1.00/5.00	IN
P, common lambsquar	---/19	
	1.00/5.00	IN

\*\*\* CONTINUE

SPECIE AND STAGE	DEN / STG	
	MIN / MAX	
<b>PEST *</b>		
P, common morning g	---/15 4.00/10.0	IN
P, giant foxtail;no	---/16 6.00/12.0	IN

**\* TIMING CODES**

12 = --- / POST

**\* STAGE CODE**

15 = 5 LEAVES UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** AG14039 and Destiny HC comparisons with Armezon Pro in RR/LL Corn. AS-100  
**CREATED:** 05/16/2016 **REVISED:** 08/24/2016 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG  
**PLOT AREA:** 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/09/16	CON % 06/09/16	CON % 06/09/16	CON % 06/09/16	CON % 06/09/16	CON % 06/09/16
1A	ARMEZON 2.8SC	0.011	LAA	12	0	47	40	48	78	40
B	CLASS ACT NG	2.50	PMV	12						
2A	ARMEZON PRO 5.	0.585	LAA	12	0	55	40	52	83	45
B	CLASS ACT NG	2.50	PMV	12						
3A	ARMEZON PRO 5.	0.585	LAA	12	0	55	45	55	83	47
B	DESTINY	0.50	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
4A	ARMEZON PRO 5.	0.585	LAA	12	0	58	43	57	85	53
B	DESTINY	0.50	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
D	INTERLOCK	4.00	ZMA	12						
5A	ARMEZON PRO 5.	0.585	LAA	12	0	60	48	58	84	52
B	AG 14039	0.50	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
6A	ARMEZON PRO 5.	0.585	LAA	12	0	57	45	53	83	43
B	AG 14039	0.75	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
7A	ARMEZON PRO 5.	0.585	LAA	12	0	52	43	55	82	47
B	DESTINY	0.75	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
8A	ARMEZON PRO 5.	0.585	LAA	12	0	52	43	53	80	43
B	DESTINY	0.75	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
D	INTERLOCK	4.00	ZMA	12						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A	ARMEZON PRO 5.	0.585	LAA	12	0	60	52	58	84	53
B	AG 14039	1.00	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
11A	ARMEZON PRO 5.	0.585	LAA	12	0	63	52	58	84	57
B	MSO	1.00	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
12A	ARMEZON PRO 5.	0.585	LAA	12	0	62	52	57	86	57
B	MSO	1.50	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
	LSD (0.05)				0.0	7.8	7.6	6.6	4.6	9.8
	STANDARD DEVIATION				0.0	3.7	3.7	3.2	2.2	4.7

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		RATE	UNIT	TM	CON % 06/17/16	CON % 06/17/16	CON % 06/17/16	CON % 06/17/16	CON % 06/17/16	CON % 06/17/16
1A	ARMEZON 2.8SC	0.011	LAA	12	0	77	98	96	99	65
B	CLASS ACT NG	2.50	PMV	12						
2A	ARMEZON PRO 5.	0.585	LAA	12	0	74	99	99	99	67
B	CLASS ACT NG	2.50	PMV	12						
3A	ARMEZON PRO 5.	0.585	LAA	12	0	84	99	99	99	68
B	DESTINY	0.50	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
4A	ARMEZON PRO 5.	0.585	LAA	12	0	83	99	99	99	68
B	DESTINY	0.50	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
D	INTERLOCK	4.00	ZMA	12						
5A	ARMEZON PRO 5.	0.585	LAA	12	0	84	99	99	99	65
B	AG 14039	0.50	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
6A	ARMEZON PRO 5.	0.585	LAA	12	0	83	99	99	99	72
B	AG 14039	0.75	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
7A	ARMEZON PRO 5.	0.585	LAA	12	0	83	99	99	99	72
B	DESTINY	0.75	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
8A	ARMEZON PRO 5.	0.585	LAA	12	0	78	99	99	99	63
B	DESTINY	0.75	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
D	INTERLOCK	4.00	ZMA	12						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A	ARMEZON PRO 5.	0.585	LAA	12	0	82	99	99	99	72
B	AG 14039	1.00	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
11A	ARMEZON PRO 5.	0.585	LAA	12	0	85	99	99	99	73
B	MSO	1.00	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
12A	ARMEZON PRO 5.	0.585	LAA	12	0	83	99	99	99	73
B	MSO	1.50	PMA	12						
C	CLASS ACT NG	2.50	PMV	12						
	LSD (0.05)				0.0	8.0	0.6	2.5	0.0	8.5
	STANDARD DEVIATION				0.0	3.9	0.3	1.2	0.0	4.1

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REPS: 03

TRT	TREATMENT	DOSAGE			SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					07/06/16	07/06/16	07/06/16	07/06/16	07/06/16
1A	ARMEZON 2.8SC	0.011	LAA	12	73	98	94	99	62
B	CLASS ACT NG	2.50	PMV	12					
2A	ARMEZON PRO 5.	0.585	LAA	12	68	98	98	99	62
B	CLASS ACT NG	2.50	PMV	12					
3A	ARMEZON PRO 5.	0.585	LAA	12	83	99	99	99	63
B	DESTINY	0.50	PMA	12					
C	CLASS ACT NG	2.50	PMV	12					
4A	ARMEZON PRO 5.	0.585	LAA	12	85	99	99	99	65
B	DESTINY	0.50	PMA	12					
C	CLASS ACT NG	2.50	PMV	12					
D	INTERLOCK	4.00	ZMA	12					
5A	ARMEZON PRO 5.	0.585	LAA	12	86	99	99	99	68
B	AG 14039	0.50	PMA	12					
C	CLASS ACT NG	2.50	PMV	12					
6A	ARMEZON PRO 5.	0.585	LAA	12	84	99	99	99	65
B	AG 14039	0.75	PMA	12					
C	CLASS ACT NG	2.50	PMV	12					
7A	ARMEZON PRO 5.	0.585	LAA	12	82	99	96	99	65
B	DESTINY	0.75	PMA	12					
C	CLASS ACT NG	2.50	PMV	12					
8A	ARMEZON PRO 5.	0.585	LAA	12	76	99	91	99	53
B	DESTINY	0.75	PMA	12					
C	CLASS ACT NG	2.50	PMV	12					
D	INTERLOCK	4.00	ZMA	12					
9A	CHECK	0.00	NA	0	0	0	0	0	0
10A	ARMEZON PRO 5.	0.585	LAA	12	79	99	96	99	60
B	AG 14039	1.00	PMA	12					
C	CLASS ACT NG	2.50	PMV	12					
11A	ARMEZON PRO 5.	0.585	LAA	12	77	99	91	99	57
B	MSO	1.00	PMA	12					
C	CLASS ACT NG	2.50	PMV	12					
12A	ARMEZON PRO 5.	0.585	LAA	12	79	99	92	99	67
B	MSO	1.50	PMA	12					
C	CLASS ACT NG	2.50	PMV	12					
LSD (0.05)					8.7	0.8	6.8	0.0	11.1
STANDARD DEVIATION					4.2	0.4	3.3	0.0	5.3

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = --- / UNTREATED TIMING  
 12 = --- / POST 06/02/2016(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/09/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/09/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/09/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/09/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/09/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/09/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/17/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
008	SETFA	CON %	06/17/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/17/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/17/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/17/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/17/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	07/06/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	CHEAL	CON %	07/06/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	07/06/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ABUTH	CON %	07/06/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU	CON %	07/06/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - VARIETY/SPECIES INFO (IF APPLICABLE)

01 = N68K-3111A