

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	11:10	24H
TIME - END	11:30	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	---/16 1.00/6.00	IN
P, giant foxtail;no	---/16 6.00/12.0	IN

**\* TIMING CODES**

12 = --- / POST

**\* STAGE CODE**

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

**TITLE:** Non-AMS Water Conditioning Rate Screening with Various Herbicides 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		TM	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		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»	RNDUP POWERMAX	0.77	LAA	12	7	97	94	97	94	96
B»	STERLING BLUE	0.50	LAA	12						
2A»	RNDUP POWERMAX	0.39	LAA	12	1	93	89	95	85	91
B»	STERLING BLUE	0.25	LAA	12						
3A»	RNDUP POWERMAX	0.39	LAA	12	0	95	93	96	89	93
B»	STERLING BLUE	0.25	LAA	12						
C»	N-PAK AMS	2.50	PMV	12						
4A»	RNDUP POWERMAX	0.39	LAA	12	3	94	92	96	88	93
B»	STERLING BLUE	0.25	LAA	12						
C»	CLASS ACT FLEX	1.00	PMV	12						
5A»	RNDUP POWERMAX	0.39	LAA	12	1	93	90	94	87	91
B»	STERLING BLUE	0.25	LAA	12						
C»	AG 13063	0.50	PMV	12						
6A»	RNDUP POWERMAX	0.39	LAA	12	1	93	89	96	88	93
B»	STERLING BLUE	0.25	LAA	12						
C»	AG 13063	0.75	PMV	12						
7A»	RNDUP POWERMAX	0.39	LAA	12	0	94	91	96	88	91
B»	STERLING BLUE	0.25	LAA	12						
C»	AG 13063	1.00	PMV	12						
8A»	RNDUP POWERMAX	0.39	LAA	12	0	95	94	96	89	93
B»	STERLING BLUE	0.25	LAA	12						
C»	AG 13063	1.25	PMV	12						
9A»	HALEX GT 4.38L	1.10	LAA	12	0	83	83	89	93	70
10A»	HALEX GT 4.38L	1.10	LAA	12	0	91	84	91	98	82
B»	N-PAK AMS	2.50	PMV	12						
11A»	HALEX GT 4.38L	1.10	LAA	12	0	92	83	92	99	78
B»	CLASS ACT FLEX	1.00	PMV	12						
12A»	HALEX GT 4.38L	1.10	LAA	12	0	94	86	93	99	84
B»	AG 13063	0.50	PMV	12						
13A»	HALEX GT 4.38L	1.10	LAA	12	0	92	84	91	99	79
B»	AG 13063	0.75	PMV	12						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A»	HALEX GT 4.38L	1.10	LAA	12	0	95	91	95	99	85
B»	AG 13063	1.00	PMV	12						
16A»	HALEX GT 4.38L	1.10	LAA	12	0	94	89	93	99	86
B»	AG 13063	1.25	PMV	12						
LSD (0.05)					1.7	4.5	4.7	4.0	3.6	5.4
STANDARD DEVIATION					0.8	2.2	2.3	2.0	1.8	2.6

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		RATE	UNIT		CON % 06/16/16	CON % 06/16/16	CON % 06/16/16	CON % 06/16/16	CON % 06/16/16	CON % 06/16/16
1A	RNDUP POWERMAX	0.77	LAA	12	0	98	99	99	99	98
B	STERLING BLUE	0.50	LAA	12						
2A	RNDUP POWERMAX	0.39	LAA	12	0	93	99	98	98	94
B	STERLING BLUE	0.25	LAA	12						
3A	RNDUP POWERMAX	0.39	LAA	12	0	95	99	98	99	96
B	STERLING BLUE	0.25	LAA	12						
C	N-PAK AMS	2.50	PMV	12						
4A	RNDUP POWERMAX	0.39	LAA	12	0	96	99	99	99	98
B	STERLING BLUE	0.25	LAA	12						
C	CLASS ACT FLEX	1.00	PMV	12						
5A	RNDUP POWERMAX	0.39	LAA	12	0	95	99	99	98	97
B	STERLING BLUE	0.25	LAA	12						
C	AG 13063	0.50	PMV	12						
6A	RNDUP POWERMAX	0.39	LAA	12	0	96	99	99	97	97
B	STERLING BLUE	0.25	LAA	12						
C	AG 13063	0.75	PMV	12						
7A	RNDUP POWERMAX	0.39	LAA	12	0	96	99	99	94	94
B	STERLING BLUE	0.25	LAA	12						
C	AG 13063	1.00	PMV	12						
8A	RNDUP POWERMAX	0.39	LAA	12	0	98	99	99	98	97
B	STERLING BLUE	0.25	LAA	12						
C	AG 13063	1.25	PMV	12						
9A	HALEX GT 4.38L	1.10	LAA	12	0	87	98	97	99	83
10A	HALEX GT 4.38L	1.10	LAA	12	0	93	99	99	99	90
B	N-PAK AMS	2.50	PMV	12						
11A	HALEX GT 4.38L	1.10	LAA	12	0	97	99	99	99	89
B	CLASS ACT FLEX	1.00	PMV	12						
12A	HALEX GT 4.38L	1.10	LAA	12	0	97	99	98	99	86
B	AG 13063	0.50	PMV	12						
13A	HALEX GT 4.38L	1.10	LAA	12	0	90	98	96	99	87
B	AG 13063	0.75	PMV	12						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A	HALEX GT 4.38L	1.10	LAA	12	0	99	99	99	99	88
B	AG 13063	1.00	PMV	12						
16A	HALEX GT 4.38L	1.10	LAA	12	0	97	99	99	99	93
B	AG 13063	1.25	PMV	12						
LSD (0.05)					0.0	5.6	1.1	1.5	3.8	6.0
STANDARD DEVIATION					0.0	2.7	0.6	0.7	1.9	2.9

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**REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		CON % 07/06/16	CON % 07/06/16	CON % 07/06/16	CON % 07/06/16	CON % 07/06/16	CON % 07/06/16
1A	RNDUP POWERMAX	0.77	LAA	12	0	97	99	99	99	96
B	STERLING BLUE	0.50	LAA	12						
2A	RNDUP POWERMAX	0.39	LAA	12	0	91	99	97	99	92
B	STERLING BLUE	0.25	LAA	12						
3A	RNDUP POWERMAX	0.39	LAA	12	0	91	99	96	99	92
B	STERLING BLUE	0.25	LAA	12						
C	N-PAK AMS	2.50	PMV	12						
4A	RNDUP POWERMAX	0.39	LAA	12	0	95	99	98	99	96
B	STERLING BLUE	0.25	LAA	12						
C	CLASS ACT FLEX	1.00	PMV	12						
5A	RNDUP POWERMAX	0.39	LAA	12	0	92	99	97	99	95
B	STERLING BLUE	0.25	LAA	12						
C	AG 13063	0.50	PMV	12						
6A	RNDUP POWERMAX	0.39	LAA	12	0	93	99	98	99	93
B	STERLING BLUE	0.25	LAA	12						
C	AG 13063	0.75	PMV	12						
7A	RNDUP POWERMAX	0.39	LAA	12	0	92	99	97	99	93
B	STERLING BLUE	0.25	LAA	12						
C	AG 13063	1.00	PMV	12						
8A	RNDUP POWERMAX	0.39	LAA	12	0	95	99	98	99	96
B	STERLING BLUE	0.25	LAA	12						
C	AG 13063	1.25	PMV	12						
9A	HALEX GT 4.38L	1.10	LAA	12	0	84	96	89	99	77
10A	HALEX GT 4.38L	1.10	LAA	12	0	90	99	94	99	84
B	N-PAK AMS	2.50	PMV	12						
11A	HALEX GT 4.38L	1.10	LAA	12	0	97	99	95	99	84
B	CLASS ACT FLEX	1.00	PMV	12						
12A	HALEX GT 4.38L	1.10	LAA	12	0	97	99	95	99	83
B	AG 13063	0.50	PMV	12						
13A	HALEX GT 4.38L	1.10	LAA	12	0	89	99	94	99	80
B	AG 13063	0.75	PMV	12						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A	HALEX GT 4.38L	1.10	LAA	12	0	98	99	97	99	85
B	AG 13063	1.00	PMV	12						
16A	HALEX GT 4.38L	1.10	LAA	12	0	95	99	99	99	90
B	AG 13063	1.25	PMV	12						
LSD (0.05)					0.0	5.7	2.2	5.3	0.0	5.8
STANDARD DEVIATION					0.0	2.8	1.1	2.6	0.0	2.8

» = 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

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
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 %	06/16/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/16/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/16/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/16/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/16/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/16/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/06/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/06/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/06/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/06/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/06/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	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