

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.6  
 %OM: 5.4  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 30 FEET  
 PLOT AREA: 225 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	10	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/20/14	06/01/14	06/09/14	AME
AIR TEMPERATURE	81	87	83	F
% REL.HUMIDITY	44	31	42	
WIND DIRECTION	SOUTH	SOUTH	EAST	
WIND SPEED	8.0	7.0	3.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLOUDY	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	15.00	15.00	15.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
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	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *				
P, CORN, DENT NK 70J-3011A (PLANTED) 05/08/2014		---/12 4.00/4.00 24 DAP	---/14 14.0/16.0 32 DAP	IN
PEST *				
P, AMARANTH, PALMER		---/13 0.50/1.50	---/19 2.00/8.00	IN
P, LAMBSQUARTERS, C		---/13 0.50/0.50	---/19 1.00/3.00	IN
P, MORNINGGLORY, TA		---/10 1.00/1.00	---/13 1.00/3.00	IN
P, FOXTAIL, GIANT		---/11 0.50/0.75	---/13 2.00/4.00	IN

\* TIMING CODES

09 = ----- / PREEMERGENCE  
 10 = ----- / VEPOST  
 12 = ----- / POST

\* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED

## \* STAGE CODE

11 = FIRST LEAF UNFOLDED  
12 = 2 LEAVES UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3 LEAVES UNFOLDED  
14 = 4 LEAVES UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Metolachlor Versions and Mesotrione for Weed Control in RR/LL Corn. AS-100  
**CREATED:** 04/16/2014 **REVISED:** 09/15/2014 **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	AMAPA	PHBPU	ZEAMD
		RATE	UNIT	TM	CON % 06/06/14	CON % 06/06/14	CON % 06/06/14	CON % 06/06/14	CON % 06/06/14	CON % 06/17/14
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»HELOS. PLUS AD	0.80	LAA	12	0	C	C	C	C	0
	B»LIQUID AMS	2.50	PMV	12						
3A	»ME-TOO-LCHLR I	0.48	LAA	9	0	40	40	43	7	0
4A	»ME-TOO-LCHLR I	0.57	LAA	9	0	50	52	65	20	0
5A	»ME-TOO-LCHLR I	0.96	LAA	9	0	83	88	93	27	0
6A	»ME-TOO-LCHLR I	1.15	LAA	9	0	93	93	99	33	0
7A	»ME-TOO-LCHLR I	1.43	LAA	9	0	98	96	99	40	0
8A	»ME-TOO-LCHLR I	1.72	LAA	9	0	99	97	99	40	0
9A	»ME-TOO-LCHLR I	1.91	LAA	9	0	99	99	99	47	0
10A	»ME-TOO-LCHLR I	2.30	LAA	9	0	99	99	99	52	2
11A	DUAL II MAGNUM	0.48	LAA	9	0	60	67	73	20	0
12A	DUAL II MAGNUM	0.96	LAA	9	0	79	89	97	30	0
13A	DUAL II MAGNUM	1.43	LAA	9	0	99	98	99	47	0
14A	DUAL II MAGNUM	1.91	LAA	9	0	99	99	99	47	0
15A	»MESOTRIONE 4L	0.07	LAA	10	0	C	C	C	C	0
	B»ME-TOO-LCHLR I	0.96	LAA	10						
	C»COC	1.00	PMV	10						
16A	»MESOTRIONE 4L	0.07	LAA	10	0	C	C	C	C	0
	B DUAL II MAGNUM	0.96	LAA	10						
	C»COC	1.00	PMV	10						
		LSD (0.05)			0.00	5.42	5.93	10.30	7.36	1.20
		STANDARD DEVIATION			0.00	2.65	2.90	5.00	3.60	0.589

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	CHEAL	AMAPA	PHBPU	ZEAMD	SETFA	
		RATE	UNIT	TM	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14	CON % 06/29/14	CON % 06/29/14	
1A	CHECK	0.00	NA	0	0	0	0	0	0	0	
2A	»HELOS. PLUS AD	0.80	LAA	12	99	95	99	96	0	93	
	B»LIQUID AMS	2.50	PMV	12							
3A	»ME-TOO-LCHLR I	0.48	LAA	9	43	27	43	17	0	25	
4A	»ME-TOO-LCHLR I	0.57	LAA	9	62	55	70	23	0	50	
5A	»ME-TOO-LCHLR I	0.96	LAA	9	75	75	92	30	0	68	
6A	»ME-TOO-LCHLR I	1.15	LAA	9	86	86	99	40	0	89	
7A	»ME-TOO-LCHLR I	1.43	LAA	9	96	93	99	42	0	91	
8A	»ME-TOO-LCHLR I	1.72	LAA	9	98	96	99	50	0	93	
9A	»ME-TOO-LCHLR I	1.91	LAA	9	99	94	99	53	0	91	
10A	»ME-TOO-LCHLR I	2.30	LAA	9	99	96	99	57	0	95	
11A	DUAL II MAGNUM	0.48	LAA	9	53	57	75	17	0	53	
12A	DUAL II MAGNUM	0.96	LAA	9	84	78	99	30	0	72	
13A	DUAL II MAGNUM	1.43	LAA	9	97	93	99	43	0	86	
14A	DUAL II MAGNUM	1.91	LAA	9	99	98	99	52	0	97	
15A	»MESOTRIONE 4L	0.07	LAA	10	91	99	99	96	0	84	
	B»ME-TOO-LCHLR I	0.96	LAA	10							
	C»COC	1.00	PMV	10							
16A	»MESOTRIONE 4L	0.07	LAA	10	96	99	99	96	0	90	
	B DUAL II MAGNUM	0.96	LAA	10							
	C»COC	1.00	PMV	10							
					LSD (0.05)	10.82	10.42	8.77	8.36	0.00	5.49
					STANDARD DEVIATION	5.30	5.10	4.30	4.10	0.00	2.69

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**PLOT AREA:** 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE			CHEAL	AMAPA	PHBPU	
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	
					06/29/14	06/29/14	06/29/14	
1A	CHECK	0.00	NA	0	0	0	0	
2A	»HELOS. PLUS AD	0.80	LAA	12	80	96	84	
	B»LIQUID AMS	2.50	PMV	12				
3A	»ME-TOO-LCHLR I	0.48	LAA	9	0	28	0	
4A	»ME-TOO-LCHLR I	0.57	LAA	9	30	50	0	
5A	»ME-TOO-LCHLR I	0.96	LAA	9	50	70	23	
6A	»ME-TOO-LCHLR I	1.15	LAA	9	77	91	37	
7A	»ME-TOO-LCHLR I	1.43	LAA	9	84	98	38	
8A	»ME-TOO-LCHLR I	1.72	LAA	9	85	99	40	
9A	»ME-TOO-LCHLR I	1.91	LAA	9	85	99	45	
10A	»ME-TOO-LCHLR I	2.30	LAA	9	90	99	50	
11A	DUAL II MAGNUM	0.48	LAA	9	42	63	0	
12A	DUAL II MAGNUM	0.96	LAA	9	65	80	20	
13A	DUAL II MAGNUM	1.43	LAA	9	83	99	30	
14A	DUAL II MAGNUM	1.91	LAA	9	94	99	47	
15A	»MESOTRIONE 4L	0.07	LAA	10	94	99	78	
	B»ME-TOO-LCHLR I	0.96	LAA	10				
	C»COC	1.00	PMV	10				
16A	»MESOTRIONE 4L	0.07	LAA	10	97	99	88	
	B DUAL II MAGNUM	0.96	LAA	10				
	C»COC	1.00	PMV	10				
					LSD (0.05)	9.43	5.00	8.43
					STANDARD DEVIATION	4.62	2.46	4.13

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/20/2014(1)  
 10 = ----- / VEPOST 06/01/2014(2)  
 12 = ----- / POST 06/09/2014(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/06/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/06/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/06/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMAPA	CON %	06/06/2014	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/06/2014	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/17/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/17/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	06/17/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMAPA	CON %	06/17/2014	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/17/2014	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	06/29/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	06/29/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	CHEAL	CON %	06/29/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMAPA	CON %	06/29/2014	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
015	PHBPU	CON %	06/29/2014	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK 70J-3011A