

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	11	
TYPE	LIQUID MI	
APPLICATION DATE	05/27/16	AME
TIME - BEGIN	07:05	24H
TIME - END	07:20	24H
AIR TEMPERATURE	70	F
% REL.HUMIDITY	87	
WIND DIRECTION	SOUTH	
WIND SPEED	5.0	M/H
CLOUD COVER	OVERCAST-	
DEW	YES	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	69/4.00	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	---/14	
N68K-3111A	7.00/8.00	IN
(PLANTED) 04/19/2016	38 DAP	
PEST *		
P, tall amaranth;co	---/13	
	0.50/0.50	IN
P, common lambsquar	---/15	
	0.50/1.50	IN
P, common morning g	---/12	
	1.00/3.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	
	MIN / MAX	
PEST *		
P, giant foxtail;no	---/13 1.00/5.00	IN

* TIMING CODES

11 = --- / EPOST

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4 LEAVES UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Diflexx Duo Comparisons for Weed Control Systems in RR/LL Corn. AS-100
CREATED: 04/10/2016 **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	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT		CON % 06/02/16	CON % 06/09/19	CON % 06/09/16	CON % 06/09/16	CON % 06/09/16	CON % 06/09/16
1A»	DIFLEXX DUO 1.	0.28	LAA	11	0	0	67	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
2A»	DIFLEXX DUO 1.	0.38	LAA	11	0	0	73	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
3A»	DIFLEXX DUO 1.	0.28	LAA	11	0	0	97	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
4A»	DIFLEXX DUO 1.	0.28	LAA	11	0	0	90	99	99	99
	B»LIBERTY 2.34L	0.40	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A»	CAPRENO 3.45 S	0.081	LAA	11	0	0	99	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
6A»	HALEX GT 4.38L	1.97	LAA	11	0	0	99	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
7A»	ARMEZON PRO 5.	0.67	LAA	11	0	0	94	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
8A»	ARMEZON 2.8SC	0.013	LAA	11	0	0	84	99	99	99
	B»STATUS 56DG	0.105	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
9A»	ARMEZON PRO 5.	0.67	LAA	11	0	0	99	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	ARMEZON 2.8SC	0.013	LAA	11	0	0	99	99	99	99
	B»STATUS 56DG	0.105	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D ATRAZINE DF	0.50	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
12A»	SOLSTICE 4L	0.08	LAA	11	0	33	99	99	99	99
	B»ANTHEM MAXX 4.	0.07	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D ATRAZINE DF	0.50	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				0.0	27.9	3.0	0.0	0.0	0.0
	STANDARD DEVIATION				0.0	13.5	1.5	0.0	0.0	0.0

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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			PHBPU CON % 06/09/16	XANST CON % 06/09/16	SETFA CON % 06/24/16	CHEAL CON % 06/24/16	AMATA CON % 06/24/16	ABUTH CON % 06/24/16
		RATE	UNIT	TM						
1A»	DIFLEXX DUO 1.	0.28	LAA	11	97	99	33	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
2A»	DIFLEXX DUO 1.	0.38	LAA	11	99	99	47	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
3A»	DIFLEXX DUO 1.	0.28	LAA	11	99	99	84	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
4A»	DIFLEXX DUO 1.	0.28	LAA	11	99	99	75	99	99	99
	B»LIBERTY 2.34L	0.40	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A»	CAPRENO 3.45 S	0.081	LAA	11	98	99	94	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
6A»	HALEX GT 4.38L	1.97	LAA	11	99	99	97	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
7A»	ARMEZON PRO 5.	0.67	LAA	11	82	99	82	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
8A»	ARMEZON 2.8SC	0.013	LAA	11	99	99	68	99	99	99
	B»STATUS 56DG	0.105	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
9A»	ARMEZON PRO 5.	0.67	LAA	11	99	99	99	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	ARMEZON 2.8SC	0.013	LAA	11	99	99	88	99	99	99
	B»STATUS 56DG	0.105	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D ATRAZINE DF	0.50	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
12A»	SOLSTICE 4L	0.08	LAA	11	99	99	98	99	99	99
	B»ANTHEM MAXX 4.	0.07	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D ATRAZINE DF	0.50	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
	LSLSD (0.05)				1.5	0.0	10.8	0.0	0.0	0.0
	STANDARD DEVIATION				0.7	0.0	5.2	0.0	0.0	0.0

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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			PHBPU CON % 06/24/16	XANST CON % 06/24/16	SETFA CON % 07/10/16	CHEAL CON % 07/10/16	AMATA CON % 07/10/16	ABUTH CON % 07/10/16
		RATE	UNIT	TM						
1A»	DIFLEXX DUO 1.	0.28	LAA	11	95	97	30	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
2A»	DIFLEXX DUO 1.	0.38	LAA	11	95	98	47	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
3A»	DIFLEXX DUO 1.	0.28	LAA	11	89	92	77	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
4A»	DIFLEXX DUO 1.	0.28	LAA	11	94	96	53	99	99	99
	B»LIBERTY 2.34L	0.40	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A»	CAPRENO 3.45 S	0.081	LAA	11	94	95	91	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
6A»	HALEX GT 4.38L	1.97	LAA	11	96	99	95	99	99	99
	B ATRAZINE DF	0.50	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
7A»	ARMEZON PRO 5.	0.67	LAA	11	75	88	73	99	98	99
	B ATRAZINE DF	0.50	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
8A»	ARMEZON 2.8SC	0.013	LAA	11	92	98	53	99	98	99
	B»STATUS 56DG	0.105	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
9A»	ARMEZON PRO 5.	0.67	LAA	11	93	94	98	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	ARMEZON 2.8SC	0.013	LAA	11	92	97	75	99	99	99
	B»STATUS 56DG	0.105	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D ATRAZINE DF	0.50	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
12A»	SOLSTICE 4L	0.08	LAA	11	96	98	96	99	99	99
	B»ANTHEM MAXX 4.	0.07	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D ATRAZINE DF	0.50	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			5.1	6.3	9.0	0.0	1.6	0.0
		STANDARD DEVIATION			2.5	3.0	4.3	0.0	0.8	0.0

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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			PHBPU	XANST
		RATE	UNIT	TM	CON % 07/10/16	CON % 07/10/16
1A	DIFLEXX DUO 1.	0.28	LAA	11	95	95
	B ATRAZINE DF	0.50	LAA	11		
	C»COC	1.00	PMV	11		
	D»LIQUID AMS	2.50	PMV	11		
2A	DIFLEXX DUO 1.	0.38	LAA	11	96	97
	B ATRAZINE DF	0.50	LAA	11		
	C»COC	1.00	PMV	11		
	D»LIQUID AMS	2.50	PMV	11		
3A	DIFLEXX DUO 1.	0.28	LAA	11	88	93
	B»RNDUP POWERMAX	1.125	LAA	11		
	C ATRAZINE DF	0.50	LAA	11		
	D»LIQUID AMS	2.50	PMV	11		
4A	DIFLEXX DUO 1.	0.28	LAA	11	93	93
	B»LIBERTY 2.34L	0.40	LAA	11		
	C ATRAZINE DF	0.50	LAA	11		
	D»LIQUID AMS	2.50	PMV	11		
5A	CAPRENO 3.45 S	0.081	LAA	11	93	97
	B»RNDUP POWERMAX	1.125	LAA	11		
	C ATRAZINE DF	0.50	LAA	11		
	D»LIQUID AMS	2.50	PMV	11		
6A	HALEX GT 4.38L	1.97	LAA	11	92	98
	B ATRAZINE DF	0.50	LAA	11		
	C»ACTIVATOR 90	0.25	PMV	11		
	D»LIQUID AMS	2.50	PMV	11		
7A	ARMEZON PRO 5.	0.67	LAA	11	58	75
	B ATRAZINE DF	0.50	LAA	11		
	C»ACTIVATOR 90	0.25	PMV	11		
	D»LIQUID AMS	2.50	PMV	11		
8A	ARMEZON 2.8SC	0.013	LAA	11	93	96
	B»STATUS 56DG	0.105	LAA	11		
	C ATRAZINE DF	0.50	LAA	11		
	D»ACTIVATOR 90	0.25	PMV	11		
	E»LIQUID AMS	2.50	PMV	11		
9A	ARMEZON PRO 5.	0.67	LAA	11	85	89
	B»RNDUP POWERMAX	1.125	LAA	11		
	C ATRAZINE DF	0.50	LAA	11		
	D»LIQUID AMS	2.50	PMV	11		
10A	CHECK	0.00	NA	0	0	0
11A	ARMEZON 2.8SC	0.013	LAA	11	86	90
	B»STATUS 56DG	0.105	LAA	11		
	C»RNDUP POWERMAX	1.125	LAA	11		
	D ATRAZINE DF	0.50	LAA	11		
	E»LIQUID AMS	2.50	PMV	11		
12A	SOLSTICE 4L	0.08	LAA	11	94	93
	B»ANTHEM MAXX 4.	0.07	LAA	11		
	C»RNDUP POWERMAX	1.125	LAA	11		
	D ATRAZINE DF	0.50	LAA	11		
	E»LIQUID AMS	2.50	PMV	11		
		LSD (0.05)			8.4	5.8
		STANDARD DEVIATION			4.1	2.8

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING

* TIMING CODES

11 = --- / EPOST 05/27/2016(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	ZEAMD	CON %	06/02/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	06/09/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/09/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/09/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	06/09/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/09/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/09/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	CON %	06/09/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/24/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/24/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/24/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/24/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/24/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/24/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	SETFA	CON %	07/10/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	07/10/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	07/10/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	07/10/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	07/10/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	XANST	CON %	07/10/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = N68K-3111A