

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
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	11	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/15/13	05/31/13	06/09/13	AME
AIR TEMPERATURE	85	78	74	F
% REL.HUMIDITY	41	62	65	
WIND DIRECTION	SOUTHWEST	SOUTH	NORTHEAST	
WIND SPEED	8.0	10.0	5.0	M/H
CLOUD COVER	CLEAR	CLOUDY	PARTCLDY	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
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	20.00	20.00	20.00	
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-74R RR/LL (PLANTED) 05/15/2013		---/13 5.00/5.00 16 DAP	---/14 8.00/8.00 25 DAP	IN
PEST *				
P, VELVETLEAF		---/10 0.50/0.50	---/13 2.00/4.00	IN
P, WATERHEMP, COMMO		---/12 0.50/0.50	---/19 2.00/4.00	IN
P, LAMBSQUARTERS, C		---/15 0.50/0.50	---/19 2.00/4.00	IN
P, MORNINGGLORY, TA		---/10 1.00/1.00	---/15 2.00/4.00	IN
P, FOXTAIL, GIANT		---/11 0.50/1.50	---/15 2.00/4.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE

*** TIMING CODES**

10 = ----- / VEPOST
11 = ----- / EPOST

*** STAGE CODE**

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
11 = FIRST LEAF UNFOLDED
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
15 = 5 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Anthem Weed Control Comparisons in RR/LL Corn. AS-200
CREATED: 04/12/2013 **REVISED:** 08/09/2013 **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 % 05/30/13	CON % 05/30/13	CON % 05/30/13	CON % 05/30/13	CON % 05/30/13	CON % 05/30/13
1A	BICEP LT II MA	2.25	LAA	9	0	98	99	99	84	77
2A	»ANTHEM ATZ 4.5	1.41	LAA	9	0	97	99	99	90	90
3A	»ANTHEM 2.15SE	0.134	LAA	9	0	96	99	99	86	76
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»CADET 0.91EC	0.005	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
4A	»ANTHEM ATZ 4.5	1.125	LAA	9	0	97	99	99	87	81
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»CADET 0.91EC	0.005	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A	»ANTHEM 2.15SE	0.16	LAA	9	0	90	99	99	80	77
	B»F9387 4L	0.078	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
6A	»ANTHEM 2.15SE	0.16	LAA	9	0	95	99	99	86	83
	B»F9387 4L	0.078	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»RNDUP POWERMAX	0.77	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
7A	»ANTHEM ATZ 4.5	1.125	LAA	9	0	96	99	99	88	85
	B»F9387 4L	0.078	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
8A	BICEP LT II MA	2.25	LAA	9	0	98	99	99	78	70
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A	DEGREE XTRA	3.03	LAA	9	0	97	99	99	82	75
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A	»ANTHEM 2.15SE	0.16	LAA	9	0	86	99	99	72	72
	B»ANTHEM ATZ 4.5	1.125	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A	»ANTHEM ATZ 4.5	1.125	LAA	10	0	C	C	C	C	C
	B»RNDUP POWERMAX	0.77	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
12A	»HALEX GT 4.38L	1.97	LAA	10	0	C	C	C	C	C
	B»ACTIVATOR 90	0.25	PMV	10						
	C»LIQUID AMS	2.50	PMV	10						
		LSD (0.05)			0.00	3.53	0.00	0.00	4.41	9.09
		STANDARD DEVIATION			0.00	1.70	0.00	0.00	2.13	4.38

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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			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/25/13	CON % 06/25/13	CON % 06/25/13	CON % 06/25/13	CON % 06/25/13	CON % 06/25/13
1A	BICEP LT II MA	2.25	LAA	9	0	89	99	99	73	58
2A	»ANTHEM ATZ 4.5	1.41	LAA	9	0	95	99	99	91	84
3A	»ANTHEM 2.15SE	0.134	LAA	9	0	97	99	99	99	98
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»CADET 0.91EC	0.005	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
4A	»ANTHEM ATZ 4.5	1.125	LAA	9	0	97	99	99	99	98
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»CADET 0.91EC	0.005	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A	»ANTHEM 2.15SE	0.16	LAA	9	0	91	99	99	99	97
	B»F9387 4L	0.078	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
6A	»ANTHEM 2.15SE	0.16	LAA	9	0	98	99	99	99	98
	B»F9387 4L	0.078	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»RNDUP POWERMAX	0.77	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
7A	»ANTHEM ATZ 4.5	1.125	LAA	9	0	99	99	99	99	98
	B»F9387 4L	0.078	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
8A	BICEP LT II MA	2.25	LAA	9	0	98	99	99	90	94
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A	DEGREE XTRA	3.03	LAA	9	0	95	99	99	94	90
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A	»ANTHEM 2.15SE	0.16	LAA	9	0	96	98	98	99	99
	B»ANTHEM ATZ 4.5	1.125	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A	»ANTHEM ATZ 4.5	1.125	LAA	10	0	91	99	99	93	91
	B»RNDUP POWERMAX	0.77	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
12A	»HALEX GT 4.38L	1.97	LAA	10	0	91	99	99	99	89
	B»ACTIVATOR 90	0.25	PMV	10						
	C»LIQUID AMS	2.50	PMV	10						
		LSD (0.05)			0.00	4.85	0.282	0.564	3.73	7.54
		STANDARD DEVIATION			0.00	2.34	0.136	0.272	1.80	3.64

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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			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/08/13	CON % 07/08/13	CON % 07/08/13	CON % 07/08/13	CON % 07/08/13	CON % 07/08/13
1A	BICEP LT II MA	2.25	LAA	9	0	75	93	89	68	53
2A	»ANTHEM ATZ 4.5	1.41	LAA	9	0	87	98	98	86	75
3A	»ANTHEM 2.15SE	0.134	LAA	9	0	97	99	99	99	90
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»CADET 0.91EC	0.005	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
4A	»ANTHEM ATZ 4.5	1.125	LAA	9	0	98	99	99	99	91
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»CADET 0.91EC	0.005	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A	»ANTHEM 2.15SE	0.16	LAA	9	0	96	99	99	99	92
	B»F9387 4L	0.078	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
6A	»ANTHEM 2.15SE	0.16	LAA	9	0	98	99	99	99	98
	B»F9387 4L	0.078	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»RNDUP POWERMAX	0.77	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
7A	»ANTHEM ATZ 4.5	1.125	LAA	9	0	97	99	99	99	97
	B»F9387 4L	0.078	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
8A	BICEP LT II MA	2.25	LAA	9	0	95	99	99	99	84
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A	DEGREE XTRA	3.03	LAA	9	0	97	99	99	99	83
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A	»ANTHEM 2.15SE	0.16	LAA	9	0	99	99	99	99	92
	B»ANTHEM ATZ 4.5	1.125	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A	»ANTHEM ATZ 4.5	1.125	LAA	10	0	90	99	99	99	86
	B»RNDUP POWERMAX	0.77	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
12A	»HALEX GT 4.38L	1.97	LAA	10	0	89	99	99	99	90
	B»ACTIVATOR 90	0.25	PMV	10						
	C»LIQUID AMS	2.50	PMV	10						
		LSD (0.05)			0.00	5.50	1.68	1.28	4.66	8.30
		STANDARD DEVIATION			0.00	2.65	0.809	0.62	2.25	4.00

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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			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/26/13	CON % 07/26/13	CON % 07/26/13	CON % 07/26/13	CON % 07/26/13	CON % 07/26/13
1A	BICEP LT II MA	2.25	LAA	9	0	68	88	83	60	45
2A	»ANTHEM ATZ 4.5	1.41	LAA	9	0	83	97	97	76	67
3A	»ANTHEM 2.15SE	0.134	LAA	9	0	94	99	99	99	84
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»CADET 0.91EC	0.005	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
4A	»ANTHEM ATZ 4.5	1.125	LAA	9	0	95	99	99	99	87
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»CADET 0.91EC	0.005	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A	»ANTHEM 2.15SE	0.16	LAA	9	0	91	99	99	99	87
	B»F9387 4L	0.078	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
6A	»ANTHEM 2.15SE	0.16	LAA	9	0	96	99	99	99	95
	B»F9387 4L	0.078	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»RNDUP POWERMAX	0.77	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
7A	»ANTHEM ATZ 4.5	1.125	LAA	9	0	96	99	99	99	94
	B»F9387 4L	0.078	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
8A	BICEP LT II MA	2.25	LAA	9	0	92	99	99	99	78
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A	DEGREE XTRA	3.03	LAA	9	0	96	99	99	99	76
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A	»ANTHEM 2.15SE	0.16	LAA	9	0	97	99	99	99	83
	B»ANTHEM ATZ 4.5	1.125	LAA	11						
	C»RNDUP POWERMAX	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A	»ANTHEM ATZ 4.5	1.125	LAA	10	0	86	99	99	99	80
	B»RNDUP POWERMAX	0.77	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
12A	»HALEX GT 4.38L	1.97	LAA	10	0	85	99	99	99	87
	B»ACTIVATOR 90	0.25	PMV	10						
	C»LIQUID AMS	2.50	PMV	10						
		LSD (0.05)			0.00	5.75	2.66	3.42	6.08	11.47
		STANDARD DEVIATION			0.00	2.77	1.28	1.65	2.93	5.53

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

09 = ----- / PREEMERGENCE 05/15/2013(1)
 10 = ----- / VEPOST 05/31/2013(2)
 11 = ----- / EPOST 06/09/2013(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	ZEAMD	CON %	05/30/2013	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	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
002	SETFA	CON %	05/30/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/30/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/30/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/30/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/30/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/25/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/25/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/25/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/25/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/25/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/25/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/08/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/08/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/08/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/08/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/08/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/08/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	07/26/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	07/26/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	07/26/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	AMATA	CON %	07/26/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ABUTH	CON %	07/26/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	07/26/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK-74R RR/LL