

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	UNIT
TIMINGS	11	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	06/09/13	06/13/13	AME
AIR TEMPERATURE	75	77	F
% REL.HUMIDITY	65	41	
WIND DIRECTION	NORTHEAST	NORTH	
WIND SPEED	5.0	7.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	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	
CROP *			
P, CORN, DENT	---/14	---/15	
NK-74R RR/LL	9.00/9.00	14.0/16.0	IN
(PLANTED) 05/15/2013	25 DAP	29 DAP	
PEST *			
P, VELVETLEAF	---/13	---/14	
	1.00/3.00	2.00/4.00	IN
P, WATERHEMP, COMMO	---/18	---/19	
	1.00/3.00	2.00/4.00	IN
P, LAMBSQUARTERS, C	---/17	---/19	
	1.00/2.00	1.00/3.00	IN
P, MORNINGGLORY, TA	---/12	---/15	
	2.00/2.00	2.00/4.00	IN
P, FOXTAIL, GIANT	---/15	---/16	
	2.00/5.00	3.00/6.00	IN
P, COCKLEBUR, COMMO	---/14	---/16	
	4.00/6.00	2.00/10.0	IN

*** TIMING CODES**

11 = ----- / EPOST
12 = ----- / POST

*** STAGE CODE**

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: F 9387-1 Evaluation for Weed Control in RR/LL Corn. AS-200
CREATED: 04/12/2013 **REVISED:** 11/04/2013 **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 % 06/17/13	CON % 06/17/13	CON % 06/17/13	CON % 06/17/13	CON % 06/17/13	CON % 06/17/13
1A»	RNDUP POWERMAX	0.77	LAA	11	0	96	99	99	98	80
B»	LIQUID AMS	2.50	PMV	11						
2A»	F9387 4L	0.0614	LAA	11	6	72	99	99	99	95
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
3A»	F9387 4L	0.078	LAA	11	6	75	99	99	99	96
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
4A»	F9387 4L	0.098	LAA	11	11	77	99	99	99	99
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
5A	CALLISTO 4SC	0.094	LAA	11	0	73	99	99	99	87
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
6A»	F9387 4L	0.078	LAA	11	8	83	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
7A»	F9387 4L	0.078	LAA	11	7	94	99	99	99	99
B	ATRAZINE DF	1.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
8A»	F9387 4L	0.078	LAA	11	4	78	99	99	99	98
B»	STATUS 56DG	0.088	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
9A»	STATUS 56DG	0.175	LAA	11	3	87	69	99	99	98
B»	ACTIVATOR 90	0.25	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
10A	CALLISTO 4SC	0.094	LAA	11	0	85	99	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
11A	CHECK	0.00	NA	0	0	0	0	0	0	0
12A»	F9387 4L	0.098	LAA	11	3	90	99	99	99	96
B»	RNDUP POWERMAX	0.77	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
13A»	HARROW 75WG	0.016	LAA	11	22	93	99	99	99	86
B»	GLYFOS EXTRA 3	0.75	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
14A»	SOLID A 25WG	0.016	LAA	12	14	99	99	99	99	93
B»	GLYFOS EXTRA 3	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					3.17	11.23	23.31	0.00	0.518	7.62
STANDARD DEVIATION					1.54	5.46	11.34	0.00	0.252	3.71

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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			XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT	TM	CON % 06/17/13	CON % 06/27/13	CON % 06/27/13	CON % 06/27/13	CON % 06/27/13	CON % 06/27/13
1A»	RNDUP POWERMAX	0.77	LAA	11	94	0	83	99	95	94
B»	LIQUID AMS	2.50	PMV	11						
2A»	F9387 4L	0.0614	LAA	11	95	0	37	99	95	99
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
3A»	F9387 4L	0.078	LAA	11	97	1	43	96	99	99
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
4A»	F9387 4L	0.098	LAA	11	99	3	43	99	99	99
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
5A	CALLISTO 4SC	0.094	LAA	11	95	0	27	99	99	99
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
6A»	F9387 4L	0.078	LAA	11	99	0	53	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
7A»	F9387 4L	0.078	LAA	11	99	0	87	99	99	99
B	ATRAZINE DF	1.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
8A»	F9387 4L	0.078	LAA	11	99	0	75	99	99	99
B»	STATUS 56DG	0.088	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
9A»	STATUS 56DG	0.175	LAA	11	99	1	78	99	99	99
B»	ACTIVATOR 90	0.25	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
10A	CALLISTO 4SC	0.094	LAA	11	99	0	60	99	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
11A	CHECK	0.00	NA	0	0	0	0	0	0	0
12A»	F9387 4L	0.098	LAA	11	99	0	90	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
13A»	HARROW 75WG	0.016	LAA	11	99	1	93	99	99	99
B»	GLYFOS EXTRA 3	0.75	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
14A»	SOLID A 25WG	0.016	LAA	12	99	2	97	98	98	99
B»	GLYFOS EXTRA 3	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					26.16	1.45	13.56	2.59	2.88	2.06
STANDARD DEVIATION					12.70	0.707	6.59	1.26	1.40	1.00

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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			PHBPU	XANST	ZEAMD	SETFA	CHEAL	AMATA
		RATE	UNIT	TM	CON % 06/27/13	CON % 06/27/13	CON % 07/13/13	CON % 07/13/13	CON % 07/13/13	CON % 07/13/13
1A»	RNDUP POWERMAX	0.77	LAA	11	68	91	0	84	80	82
B»	LIQUID AMS	2.50	PMV	11						
2A»	F9387 4L	0.0614	LAA	11	88	92	0	63	99	97
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
3A»	F9387 4L	0.078	LAA	11	84	89	0	62	98	96
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
4A»	F9387 4L	0.098	LAA	11	94	98	0	62	99	99
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
5A	CALLISTO 4SC	0.094	LAA	11	94	95	0	50	99	99
B»	COC	1.00	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
6A»	F9387 4L	0.078	LAA	11	96	99	0	68	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
7A»	F9387 4L	0.078	LAA	11	98	99	0	91	99	99
B	ATRAZINE DF	1.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
8A»	F9387 4L	0.078	LAA	11	95	98	0	57	99	99
B»	STATUS 56DG	0.088	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
9A»	STATUS 56DG	0.175	LAA	11	93	95	0	68	99	96
B»	ACTIVATOR 90	0.25	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
10A	CALLISTO 4SC	0.094	LAA	11	86	98	0	55	99	99
B	ATRAZINE DF	0.50	LAA	11						
C»	COC	1.00	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
11A	CHECK	0.00	NA	0	0	0	0	0	0	0
12A»	F9387 4L	0.098	LAA	11	96	99	0	88	99	99
B»	RNDUP POWERMAX	0.77	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
13A»	HARROW 75WG	0.016	LAA	11	81	99	0	93	93	89
B»	GLYFOS EXTRA 3	0.75	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
14A»	SOLID A 25WG	0.016	LAA	12	84	99	0	94	96	86
B»	GLYFOS EXTRA 3	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					8.12	2.58	0.00	14.14	4.94	4.08
STANDARD DEVIATION					4.00	1.25	0.00	6.88	2.40	2.00

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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			ABUTH CON % 07/13/13	PHBPU CON % 07/13/13	XANST CON % 07/13/13	YIELD BU/A 10/16/13
		RATE	UNIT	TM				
1A»	RNDUP POWERMAX	0.77	LAA	11	86	53	90	211.1
B»	LIQUID AMS	2.50	PMV	11				
2A»	F9387 4L	0.0614	LAA	11	99	82	97	203.9
B»	COC	1.00	PMV	11				
C»	LIQUID AMS	2.50	PMV	11				
3A»	F9387 4L	0.078	LAA	11	99	84	95	211.3
B»	COC	1.00	PMV	11				
C»	LIQUID AMS	2.50	PMV	11				
4A»	F9387 4L	0.098	LAA	11	99	91	99	214.8
B»	COC	1.00	PMV	11				
C»	LIQUID AMS	2.50	PMV	11				
5A	CALLISTO 4SC	0.094	LAA	11	99	96	99	218.7
B»	COC	1.00	PMV	11				
C»	LIQUID AMS	2.50	PMV	11				
6A»	F9387 4L	0.078	LAA	11	99	92	99	220.6
B	ATRAZINE DF	0.50	LAA	11				
C»	COC	1.00	PMV	11				
D»	LIQUID AMS	2.50	PMV	11				
7A»	F9387 4L	0.078	LAA	11	99	97	98	223.0
B	ATRAZINE DF	1.50	LAA	11				
C»	COC	1.00	PMV	11				
D»	LIQUID AMS	2.50	PMV	11				
8A»	F9387 4L	0.078	LAA	11	99	84	97	191.6
B»	STATUS 56DG	0.088	LAA	11				
C»	ACTIVATOR 90	0.25	PMV	11				
D»	LIQUID AMS	2.50	PMV	11				
9A»	STATUS 56DG	0.175	LAA	11	99	88	98	213.7
B»	ACTIVATOR 90	0.25	PMV	11				
C»	LIQUID AMS	2.50	PMV	11				
10A	CALLISTO 4SC	0.094	LAA	11	99	84	98	216.2
B	ATRAZINE DF	0.50	LAA	11				
C»	COC	1.00	PMV	11				
D»	LIQUID AMS	2.50	PMV	11				
11A	CHECK	0.00	NA	0	0	0	0	144.8
12A»	F9387 4L	0.098	LAA	11	99	89	99	224.1
B»	RNDUP POWERMAX	0.77	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
13A»	HARROW 75WG	0.016	LAA	11	99	72	93	202.4
B»	GLYFOS EXTRA 3	0.75	LAA	11				
C»	ACTIVATOR 90	0.25	PMV	11				
D»	LIQUID AMS	2.50	PMV	11				
14A»	SOLID A 25WG	0.016	LAA	12	99	65	91	212.3
B»	GLYFOS EXTRA 3	0.75	LAA	12				
C»	LIQUID AMS	2.50	PMV	12				
		LSD (0.05)			2.37	10.95	3.20	32.94
		STANDARD DEVIATION			1.15	5.33	1.56	16.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

11 = ----- / EPOST 06/09/2013(1)

* TIMING CODES

12 = ----- / POST 06/13/2013(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	ZEAMD	CON %	06/17/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/17/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/17/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/17/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/17/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/17/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/17/2013	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/27/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/27/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/27/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/27/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/27/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/27/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/27/2013	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	07/13/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/13/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	07/13/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	07/13/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/13/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	07/13/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	07/13/2013	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	YIELD	BU/A	10/16/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK-74R RR/LL