

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	05/11/07	05/21/07	AME
AIR TEMPERATURE	82	83	F
% REL.HUMIDITY	40	32	
WIND DIRECTION	---	SOUTHWEST	
WIND SPEED	0.0	4.0	M/H
CLOUD COVER	CLOUDY	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
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	
SCREEN SIZE	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	---	---	
	DN/SG/MMZ		
*** CROP ***			
CORN, DENT	---/13	---/15	
ASGROW 715 RR	6.00/8.00	12.0/12.0	IN
04/19/2007			
*** PEST ***			
VELVETLEAF	---/13	---/17	
	1.00/3.00	2.00/6.00	IN
WATERHEMP, COMMO	---/14	---/19	
	0.50/1.50	2.00/6.00	IN
LAMBSQUARTERS, C	---/19	---/19	
	1.00/2.00	2.00/6.00	IN
MORNINGGLORY, TA	---/12	---/17	
	1.00/2.00	2.00/4.00	IN
FOXTAIL, GIANT	---/12	---/14	
	1.00/3.00	4.00/8.00	IN

* TIMING CODES

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

* STAGE CODE

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

TITLE: Postemergence Broadleaf Control in Conventional Corn. AS-200
CREATED: 04/14/2007 **REVISED:** 11/05/2007 **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 % 05/18/07	CON % 05/18/07	CON % 05/18/07	CON % 05/18/07	CON % 05/18/07	CON % 05/18/07
1A»	IMPACT 2.8SC	0.016	LAA	12	0	C	C	C	C	C
	B ATRAZINE DF	0.50	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
2A	CALLISTO 4SC	0.094	LAA	12	0	C	C	C	C	C
	B ATRAZINE DF	0.50	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
3A»	LAUDIS 3.5SC	0.082	LAA	12	0	C	C	C	C	C
	B ATRAZINE DF	0.50	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
4A	STEADFAST 75WG	0.035	LAA	11	0	90	99	96	99	90
	B ATRAZINE DF	0.50	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
5A»	IMPACT 2.8SC	0.011	LAA	11	0	95	99	99	99	99
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A	CALLISTO 4SC	0.063	LAA	11	0	80	99	99	99	99
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
7A»	LAUDIS 3.5SC	0.055	LAA	11	0	80	99	99	99	98
	B»OPTION 35WDG	0.033	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
8A	PERMIT (75WG)	0.031	LAA	11	0	7	0	0	96	0
	B»ACTIVATOR 90	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
9A	PERMIT (75WG)	0.031	LAA	11	0	5	98	83	98	73
	B ATRAZINE DF	0.50	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	PERMIT (75WG)	0.031	LAA	11	0	83	99	87	96	72
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
12A»	STATUS 56DG	0.175	LAA	11	0	23	96	96	95	88
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	11.00	1.56	5.67	3.11	15.94
		STANDARD DEVIATION			0.00	5.30	0.752	2.73	1.50	7.68

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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 % 05/25/07	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07
1A»	IMPACT 2.8SC	0.016	LAA	12	0	40	93	96	99	80
	B ATRAZINE DF	0.50	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
2A	CALLISTO 4SC	0.094	LAA	12	0	0	93	99	99	92
	B ATRAZINE DF	0.50	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
3A»	LAUDIS 3.5SC	0.082	LAA	12	0	23	99	99	99	92
	B ATRAZINE DF	0.50	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
4A	STEADFAST 75WG	0.035	LAA	11	0	95	88	99	99	94
	B ATRAZINE DF	0.50	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
5A»	IMPACT 2.8SC	0.011	LAA	11	0	90	98	99	99	96
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A	CALLISTO 4SC	0.063	LAA	11	0	87	99	99	99	93
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
7A»	LAUDIS 3.5SC	0.055	LAA	11	0	80	99	99	99	94
	B»OPTION 35WDG	0.033	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
8A	PERMIT (75WG)	0.031	LAA	11	0	0	0	0	87	38
	B»ACTIVATOR 90	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
9A	PERMIT (75WG)	0.031	LAA	11	0	8	70	99	99	92
	B ATRAZINE DF	0.50	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	PERMIT (75WG)	0.031	LAA	11	0	93	67	99	99	96
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
12A»	STATUS 56DG	0.175	LAA	11	0	7	99	99	99	92
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	12.84	13.70	1.13	2.82	8.67
		STANDARD DEVIATION			0.00	6.19	6.60	0.544	1.36	4.18

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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		TM	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		CON % 06/13/07	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07
1A»	IMPACT 2.8SC	0.016	LAA	12	0	50	99	99	99	58
	B ATRAZINE DF	0.50	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
2A	CALLISTO 4SC	0.094	LAA	12	0	0	99	99	99	90
	B ATRAZINE DF	0.50	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
3A»	LAUDIS 3.5SC	0.082	LAA	12	0	13	99	99	99	95
	B ATRAZINE DF	0.50	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
4A	STEADFAST 75WG	0.035	LAA	11	0	83	72	99	99	40
	B ATRAZINE DF	0.50	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
5A»	IMPACT 2.8SC	0.011	LAA	11	0	85	96	99	99	72
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A	CALLISTO 4SC	0.063	LAA	11	0	77	99	99	99	78
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
7A»	LAUDIS 3.5SC	0.055	LAA	11	0	43	99	99	99	85
	B»OPTION 35WDG	0.033	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
8A	PERMIT (75WG)	0.031	LAA	11	0	0	0	0	96	0
	B»ACTIVATOR 90	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
9A	PERMIT (75WG)	0.031	LAA	11	0	0	67	99	99	80
	B ATRAZINE DF	0.50	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	PERMIT (75WG)	0.031	LAA	11	0	80	67	99	99	75
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
12A»	STATUS 56DG	0.175	LAA	11	0	8	96	99	99	90
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	11.10	13.17	0.00	2.54	24.55
		STANDARD DEVIATION			0.00	5.35	6.35	0.00	1.22	11.84

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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		TM	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		CON % 07/10/07	CON % 07/10/07	CON % 07/10/07	CON % 07/10/07	CON % 07/10/07	CON % 07/10/07
1A»	IMPACT 2.8SC	0.016	LAA	12	0	52	94	99	99	50
B	ATRAZINE DF	0.50	LAA	12						
C»	MISO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
2A	CALLISTO 4SC	0.094	LAA	12	0	0	99	99	99	99
B	ATRAZINE DF	0.50	LAA	12						
C»	COC	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
3A»	LAUDIS 3.5SC	0.082	LAA	12	0	42	99	99	99	85
B	ATRAZINE DF	0.50	LAA	12						
C»	MISO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
4A	STEADFAST 75WG	0.035	LAA	11	0	85	63	99	99	67
B	ATRAZINE DF	0.50	LAA	11						
C»	MISO	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
5A»	IMPACT 2.8SC	0.011	LAA	11	0	85	90	99	99	55
B	STEADFAST 75WG	0.035	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	MISO	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						
6A	CALLISTO 4SC	0.063	LAA	11	0	80	99	99	99	67
B	STEADFAST 75WG	0.035	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	COC	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						
7A»	LAUDIS 3.5SC	0.055	LAA	11	0	58	99	99	99	72
B»	OPTION 35WDG	0.033	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	MISO	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						
8A	PERMIT (75WG)	0.031	LAA	11	0	0	0	0	96	23
B»	ACTIVATOR 90	0.25	PMV	11						
C	28% UAN	2.50	PMV	11						
9A	PERMIT (75WG)	0.031	LAA	11	0	0	25	91	96	91
B	ATRAZINE DF	0.50	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D	28% UAN	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	PERMIT (75WG)	0.031	LAA	11	0	90	63	99	99	47
B	STEADFAST 75WG	0.035	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	ACTIVATOR 90	0.25	PMV	11						
E	28% UAN	2.50	PMV	11						
12A»	STATUS 56DG	0.175	LAA	11	0	57	83	99	99	83
B»	MISO	1.00	PMV	11						
C	28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	19.27	16.56	6.77	3.67	18.76
		STANDARD DEVIATION			0.00	9.29	8.00	3.27	1.77	9.00

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = ----- / UNTREATED TIMING

* TIMING CODES

11 = ----- / EPOST 05/11/2007(1)

12 = ----- / POST 05/21/2007(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 %	05/18/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/18/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/18/2007	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/18/2007	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/18/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/18/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	05/25/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	05/25/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	05/25/2007	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	05/25/2007	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	05/25/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	05/25/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/13/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	06/13/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/13/2007	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	06/13/2007	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/13/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/13/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	07/10/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	07/10/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	07/10/2007	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	AMATA	CON %	07/10/2007	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ABUTH	CON %	07/10/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	07/10/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = ASGROW 715 RR