

## 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

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	11	
TYPE	LIQMIX	
APPLICATION DATE	05/19/04	AME
AIR TEMPERATURE	83	F
% REL. HUMIDITY	75	
WIND DIRECTION	SOUTHEAST	
WIND SPEED	4.0	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/13	
PIONEER 34B24	6.00/8.00	IN
04/16/2004		
*** PEST ***		
VELVETLEAF	---/12	
	1.00/2.00	IN
WATERHEMP, COMMO	---/17	
	1.00/2.00	IN
LAMBSQUARTERS, C	---/18	
	1.00/2.00	IN
MORNINGGLORY, TA	---/12	
	1.00/1.00	IN
FOXTAIL, GIANT	---/12	
	1.00/4.00	IN

## \* TIMING CODES

11 = ----- / EPOST

## \* STAGE CODE

12 = 2 LEAVES UNFOLDED  
13 = 3 LEAVES UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Total Postemergence Weed Control in Corn AS-100  
**CREATED:** 04/07/2004 **REVISED:** 08/09/2004 **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 **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	PHBPU	ABUTH	CHEAL	AMATA
		RATE	UNIT		CON % 06/01/04	CON % 06/01/04	CON % 06/01/04	CON % 06/01/04	CON % 06/01/04	CON % 06/01/04
1A	»OPTION 35WDG	0.033	LAA	11	12	98	88	99	99	35
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.00	PMV	11						
2A	»EQUIP 62WG	0.058	LAA	11	16	98	79	99	99	40
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.00	PMV	11						
3A	»OPTION 35WDG	0.033	LAA	11	12	99	84	99	99	87
	B»DISTINCT 70WG	0.088	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
4A	»EQUIP 62WG	0.058	LAA	11	11	98	85	98	95	85
	B»DISTINCT 70WG	0.088	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
5A	»OPTION 35WDG	0.033	LAA	11	7	92	93	99	99	99
	B»CALLISTO 4SC	0.063	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
6A	»EQUIP 62WG	0.058	LAA	11	12	89	94	99	99	99
	B»CALLISTO 4SC	0.063	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
7A	»OPTION 35WDG	0.033	LAA	11	13	97	87	98	99	55
	B»DEFINE 4SC	0.375	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
8A	»EQUIP 62WG	0.058	LAA	11	10	98	85	92	91	62
	B»DEFINE 4SC	0.375	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
9A	»STEADFAST 75DF	0.035	LAA	11	0	98	94	99	99	99
	B»CALLISTO 4SC	0.047	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	»STEADFAST 75DF	0.035	LAA	11	5	96	88	97	99	91
	B»CALLISTO 4SC	0.047	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
12A	»STEADFAST 75DF	0.035	LAA	11	12	96	93	98	99	99
	B»CALLISTO 4SC	0.047	LAA	11						
	C ATRAZINE DF	0.375	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
13A	»STEADFAST 75DF	0.035	LAA	11	15	98	87	96	99	88
	B»DISTINCT 70WG	0.088	LAA	11						
	C ATRAZINE DF	0.125	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
14A	»STEADFAST 75DF	0.035	LAA	11	10	99	99	99	99	85
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						

## TITLE: Total Postemergence Weed Control in Corn AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD CON % 06/01/04	SETFA CON % 06/01/04	PHBPU CON % 06/01/04	ABUTH CON % 06/01/04	CHEAL CON % 06/01/04	AMATA CON % 06/01/04
		RATE	UNIT TM						
15A	ACCENT 75WG	0.031	LAA 11	8	98	98	99	99	99
	B»CALLISTO 4SC	0.094	LAA 11						
	C ATRAZINE DF	1.00	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.00	PMV 11						
16A»	PRIORITY 62.5W	0.039	LAA 11	16	96	98	99	99	89
	B»STEADFAST 75DF	0.035	LAA 11						
	C ATRAZINE DF	0.50	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.00	PMV 11						
		LSD (0.05)		6.55	5.00	7.59	4.00	3.21	11.54
		STANDARD DEVIATION		3.21	2.45	3.72	1.95	1.57	5.65

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**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	PHBPU	ABUTH	CHEAL	AMATA
		RATE	UNIT		CON % 06/19/04	CON % 06/19/04	CON % 06/19/04	CON % 06/19/04	CON % 06/19/04	CON % 06/19/04
1A	»OPTION 35WDG	0.033	LAA	11	0	95	68	99	99	23
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.00	PMV	11						
2A	»EQUIP 62WG	0.058	LAA	11	0	91	70	99	99	30
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.00	PMV	11						
3A	»OPTION 35WDG	0.033	LAA	11	0	84	62	99	93	62
	B»DISTINCT 70WG	0.088	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
4A	»EQUIP 62WG	0.058	LAA	11	0	81	76	93	91	75
	B»DISTINCT 70WG	0.088	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
5A	»OPTION 35WDG	0.033	LAA	11	0	90	77	99	99	99
	B»CALLISTO 4SC	0.063	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
6A	»EQUIP 62WG	0.058	LAA	11	0	76	72	99	99	98
	B»CALLISTO 4SC	0.063	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
7A	»OPTION 35WDG	0.033	LAA	11	0	90	75	94	99	30
	B»DEFINE 4SC	0.375	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
8A	»EQUIP 62WG	0.058	LAA	11	0	99	78	99	99	32
	B»DEFINE 4SC	0.375	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
9A	»STEADFAST 75DF	0.035	LAA	11	0	89	84	99	99	95
	B»CALLISTO 4SC	0.047	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	»STEADFAST 75DF	0.035	LAA	11	0	87	78	99	99	90
	B»CALLISTO 4SC	0.047	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
12A	»STEADFAST 75DF	0.035	LAA	11	0	88	76	99	99	99
	B»CALLISTO 4SC	0.047	LAA	11						
	C ATRAZINE DF	0.375	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
13A	»STEADFAST 75DF	0.035	LAA	11	0	78	72	90	99	88
	B»DISTINCT 70WG	0.088	LAA	11						
	C ATRAZINE DF	0.125	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
14A	»STEADFAST 75DF	0.035	LAA	11	0	91	82	99	99	62
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						

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TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	PHBPU	ABUTH	CHEAL	AMATA
		RATE	UNIT	CON % 06/19/04	CON % 06/19/04	CON % 06/19/04	CON % 06/19/04	CON % 06/19/04	CON % 06/19/04
15A	ACCENT 75WG	0.031	LAA 11	0	96	82	99	99	95
	B»CALLISTO 4SC	0.094	LAA 11						
	C ATRAZINE DF	1.00	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.00	PMV 11						
16A»	PRIORITY 62.5W	0.039	LAA 11	0	91	80	99	99	77
	B»STEADFAST 75DF	0.035	LAA 11						
	C ATRAZINE DF	0.50	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.00	PMV 11						
LSD (0.05)				0.00	8.31	9.42	7.00	7.12	10.00
STANDARD DEVIATION				0.00	4.07	4.61	3.41	3.49	4.90

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
11 = ----- / EPOST 05/19/2004(1)

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 %	06/01/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/01/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	06/01/2004	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/01/2004	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/01/2004	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	06/01/2004	06	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/19/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/19/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	06/19/2004	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	06/19/2004	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	06/19/2004	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	06/19/2004	06	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34B24