

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/01/99	05/18/99	05/28/99	06/07/99	AME
AIR TEMPERATURE	70	74	78	84	F
% REL.HUMIDITY	45	60	55	65	
WIND DIRECTION	EAST	WEST	WEST	SOUTHWEST	
WIND SPEED	5.0	7.0	3.0	7.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	CLEAR	CLEAR	
DEW	---	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT					
DENSITY /					
*** CROP ***					
CORN, DENT		---/11	---/13	---/15	
PIONEER 33G27		4.00/4.00	8.00/8.00	16.0/16.0	IN
04/30/1999					
*** PEST ***					
VELVETLEAF		---/10	---/12	---/14	
		1.00/1.00	2.00/2.00	2.00/4.00	IN
LAMBSQUARTERS, C		---/12	---/15	---/19	
		1.00/1.00	2.00/2.00	2.00/4.00	IN
SMARTWEED, PENNS		---/12	---/15	---/18	
		1.00/2.00	2.00/3.00	3.00/5.00	IN
FOXTAIL, GIANT		---/12	---/13	---/14	
		1.00/2.00	2.00/4.00	4.00/6.00	IN
COCKLEBUR, COMMO		---/10	---/12	---/14	
		1.00/1.00	2.00/2.00	2.00/4.00	IN

\* TIMING CODES

09 = ----- / PREEMERGENCE  
 10 = ----- / VEPOST  
 11 = ----- / EPOST  
 12 = ----- / POST

\* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
 11 = FIRST LEAF UNFOLDED  
 12 = 2 LEAVES UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** CRNSYS2 WEED CONTROL SYSTEMS IN CORN II C-500  
**CREATED:** 04/18/1999 **REVISED:** 08/18/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	CHEAL	XANST	POLPY
		RATE	UNIT		CON % 06/18/99	CON % 06/18/99	CON % 06/18/99	CON % 06/18/99	CON % 06/18/99	CON % 06/18/99
1A	GUARDSMAN 5SE	3.12	LAA	9	0	88	88	99	93	99
2A»	BICEP II MAGNU	3.58	LAA	9	0	91	88	99	93	99
3A»	OPTILL 6L	1.80	LAA	9	0	96	92	99	92	99
	B ATRAZINE DF	1.67	LAA	9						
4A	HARNESS XTRA	3.78	LAA	9	0	98	99	99	96	99
5A»	FULTIME 4SC	3.30	LAA	9	0	97	90	99	90	99
6A	GUARDSMAN 5SE	3.12	LAA	9	0	98	99	99	97	99
	B»BALANCE 75WG	0.094	LAA	9						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A	GUARDSMAN 5SE	3.12	LAA	9	0	98	88	99	93	99
	B»HORNET 85.6WG	0.128	LAA	9						
9A»	FRONTIER 6.0EC	0.75	LAA	9	0	97	98	99	90	99
	B»BALANCE 75WG	0.094	LAA	9						
10A»	AXIOM	0.935	LAA	9	0	95	95	99	93	99
	B ATRAZINE DF	1.67	LAA	9						
11A»	ICIA5676/ZA129	2.19	LAA	9	0	92	99	99	96	99
12A»	FRONTIER X2 6E	0.84	LAA	9	0	98	96	99	94	99
	B MARKSMAN SC	1.40	LAA	10						
	C 28% UAN	2.50	PMV	10						
13A»	FRONTIER X2 6E	0.84	LAA	9	0	96	97	99	95	99
	B»DISTINCT 70WG	0.263	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
14A»	BALANCE 75WG	0.047	LAA	9	0	87	96	99	95	99
	B ATRAZINE DF	0.68	LAA	9						
	C»BASIS GOLD 90D	0.79	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
15A»	LEADOFF 5SE	0.94	LAA	9	0	87	87	99	90	99
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
16A»	BASIS	0.016	LAA	9	0	65	99	99	99	99
	B»ACCENT GOLD 83	0.151	LAA	0						
	C»DPX-79406 75DF	0.023	LAA	11						
	D»HORNET 85.6WG	0.128	LAA	11						
	E CLARITY	0.063	LAA	11						
	F»COC	1.00	PMV	11						
	G 28% UAN	2.50	PMV	11						
17A»	BALANCE 75WG	0.047	LAA	9	0	67	99	99	99	99
	B»ACCENT GOLD 83	0.151	LAA	0						
	C»DPX-79406 75DF	0.023	LAA	11						
	D»HORNET 85.6WG	0.128	LAA	11						
	E CLARITY	0.063	LAA	11						
	F»COC	1.00	PMV	11						
	G 28% UAN	2.50	PMV	11						
18A»	AXIOM	0.81	LAA	9	0	95	99	96	99	99
	B»HORNET 85.6WG	0.128	LAA	12						
	C»ACTIVATE PLUS	0.50	PMV	12						
	D 28% UAN	1.00	PMV	12						

## TITLE: CRNSYS2 WEED CONTROL SYSTEMS IN CORN II C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	ABUTH	CHEAL	XANST	POLPY
		RATE	UNIT	TM	CON % 06/18/99	CON % 06/18/99	CON % 06/18/99	CON % 06/18/99	CON % 06/18/99	CON % 06/18/99
19A»	AXIOM	0.72	LAA	9	0	62	99	99	99	99
	B ATRAZINE DF	1.35	LAA	12						
	C»COC	1.00	PMV	12						
20A»	AXIOM	0.72	LAA	9	0	67	99	99	99	99
	B ATRAZINE DF	1.35	LAA	9						
21A»	EPIC 58DF	0.54	LAA	9	0	96	99	99	97	99
22A»	EPIC 58DF	0.435	LAA	9	0	99	99	98	92	99
23A»	EPIC 58DF	0.435	LAA	9	0	96	96	99	88	99
	B ATRAZINE DF	0.90	LAA	9						
24A»	EPIC 58DF	0.435	LAA	9	0	97	99	99	98	99
	B ATRAZINE DF	1.80	LAA	9						
25A»	AXIOM	0.81	LAA	9	0	98	99	99	99	99
	B»DISTINCT 70WG	0.26	LAA	12						
	C»ACTIVATE PLUS	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
26A	ATRAZINE DF	2.00	LAA	9	0	93	99	99	99	99
	B»AXIOM	0.55	LAA	11						
	C ACCENT 75WG	0.016	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E AM. SULFATE	1.70	PMG	11						
27A	ATRAZINE DF	2.00	LAA	11	0	80	99	99	99	99
	B»AXIOM	0.55	LAA	11						
	C ACCENT 75WG	0.016	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E AM. SULFATE	1.70	PMG	11						
28A»	DUAL II MAGNUM	1.60	LAA	9	0	92	99	99	97	99
	B»NORTHSTAR 47.4	0.148	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
29A	TOPNOTCH (3.2C	2.20	LAA	9	0	95	99	99	98	99
	B»ZA1296 4SC	0.094	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
30A»	DUAL II MAGNUM	1.60	LAA	9	0	99	99	99	96	99
	B MARKSMAN SC	1.40	LAA	10						
	C 28% UAN	2.50	PMV	10						
		LSD (0.05)			0.00	5.62	4.58	1.59	7.00	0.00
		STANDARD DEVIATION			0.00	2.81	2.29	0.796	3.51	0.00

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**CREATED:** 04/18/1999 **REVISED:** 08/18/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	CHEAL	XANST	POLPY
		RATE	UNIT		CON % 07/07/99	CON % 07/07/99	CON % 07/07/99	CON % 07/07/99	CON % 07/07/99	CON % 07/07/99
1A	GUARDSMAN 5SE	3.12	LAA	9	0	83	85	99	90	99
2A»	BICEP II MAGNU	3.58	LAA	9	0	85	83	99	91	99
3A»	OPTILL 6L	1.80	LAA	9	0	93	90	99	90	99
	B ATRAZINE DF	1.67	LAA	9						
4A	HARNESS XTRA	3.78	LAA	9	0	96	96	99	95	99
5A»	FULTIME 4SC	3.30	LAA	9	0	95	85	99	85	99
6A	GUARDSMAN 5SE	3.12	LAA	9	0	93	99	99	93	99
	B»BALANCE 75WG	0.094	LAA	9						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A	GUARDSMAN 5SE	3.12	LAA	9	0	93	87	99	92	99
	B»HORNET 85.6WG	0.128	LAA	9						
9A»	FRONTIER 6.0EC	0.75	LAA	9	0	93	98	99	90	99
	B»BALANCE 75WG	0.094	LAA	9						
10A»	AXIOM	0.935	LAA	9	0	92	91	99	91	99
	B ATRAZINE DF	1.67	LAA	9						
11A»	ICIA5676/ZA129	2.19	LAA	9	0	90	96	99	95	99
12A»	FRONTIER X2 6E	0.84	LAA	9	0	94	95	99	96	99
	B MARKSMAN SC	1.40	LAA	10						
	C 28% UAN	2.50	PMV	10						
13A»	FRONTIER X2 6E	0.84	LAA	9	0	93	96	99	95	98
	B»DISTINCT 70WG	0.263	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
14A»	BALANCE 75WG	0.047	LAA	9	0	82	95	99	96	99
	B ATRAZINE DF	0.68	LAA	9						
	C»BASIS GOLD 90D	0.79	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
15A»	LEADOFF 5SE	0.94	LAA	9	0	85	85	99	91	96
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
16A»	BASIS	0.016	LAA	9	0	65	99	99	99	99
	B»ACCENT GOLD 83	0.151	LAA	0						
	C»DPX-79406 75DF	0.023	LAA	11						
	D»HORNET 85.6WG	0.128	LAA	11						
	E CLARITY	0.063	LAA	11						
	F»COC	1.00	PMV	11						
	G 28% UAN	2.50	PMV	11						
17A»	BALANCE 75WG	0.047	LAA	9	0	63	99	99	99	99
	B»ACCENT GOLD 83	0.151	LAA	0						
	C»DPX-79406 75DF	0.023	LAA	11						
	D»HORNET 85.6WG	0.128	LAA	11						
	E CLARITY	0.063	LAA	11						
	F»COC	1.00	PMV	11						
	G 28% UAN	2.50	PMV	11						
18A»	AXIOM	0.81	LAA	9	0	92	99	94	99	99
	B»HORNET 85.6WG	0.128	LAA	12						
	C»ACTIVATE PLUS	0.50	PMV	12						
	D 28% UAN	1.00	PMV	12						

TITLE: CRNSYS2 WEED CONTROL SYSTEMS IN CORN II C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07/07/99	SETFA CON % 07/07/99	ABUTH CON % 07/07/99	CHEAL CON % 07/07/99	XANST CON % 07/07/99	POLPY CON % 07/07/99
19A	AXIOM	0.72	LAA	9	0	57	99	99	99	99
	B ATRAZINE DF	1.35	LAA	12						
	C»COC	1.00	PMV	12						
20A	AXIOM	0.72	LAA	9	0	63	99	99	99	99
	B ATRAZINE DF	1.35	LAA	9						
21A	»EPIC 58DF	0.54	LAA	9	0	93	99	99	96	98
22A	»EPIC 58DF	0.435	LAA	9	0	96	99	99	88	98
23A	»EPIC 58DF	0.435	LAA	9	0	95	94	99	87	99
	B ATRAZINE DF	0.90	LAA	9						
24A	»EPIC 58DF	0.435	LAA	9	0	96	99	99	99	99
	B ATRAZINE DF	1.80	LAA	9						
25A	AXIOM	0.81	LAA	9	0	96	97	99	98	99
	B»DISTINCT 70WG	0.26	LAA	12						
	C»ACTIVATE PLUS	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
26A	ATRAZINE DF	2.00	LAA	9	0	90	98	99	98	99
	B»AXIOM	0.55	LAA	11						
	C ACCENT 75WG	0.016	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E AM. SULFATE	1.70	PMG	11						
27A	ATRAZINE DF	2.00	LAA	11	0	82	98	99	98	99
	B»AXIOM	0.55	LAA	11						
	C ACCENT 75WG	0.016	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E AM. SULFATE	1.70	PMG	11						
28A	»DUAL II MAGNUM	1.60	LAA	9	0	90	98	98	96	98
	B»NORTHSTAR 47.4	0.148	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
29A	TOPNOTCH (3.2C	2.20	LAA	9	0	90	98	99	98	99
	B»ZA1296 4SC	0.094	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
30A	»DUAL II MAGNUM	1.60	LAA	9	0	95	98	99	92	99
	B MARKSMAN SC	1.40	LAA	10						
	C 28% UAN	2.50	PMV	10						
		LSD (0.05)			0.00	6.10	5.74	2.52	8.23	2.05
		STANDARD DEVIATION			0.00	3.05	2.87	1.26	4.11	1.00

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/01/1999(1)
- 10 = ----- / VEPOST 05/18/1999(2)
- 11 = ----- / EPOST 05/28/1999(3)
- 12 = ----- / POST 06/07/1999(4)

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 %	06/18/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/18/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	06/18/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/18/1999	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	XANST	CON %	06/18/1999	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY	CON %	06/18/1999	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	07/07/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/07/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	07/07/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## TITLE: CRNSYS2 WEED CONTROL SYSTEMS IN CORN II C-500

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
010	CHEAL	CON %	07/07/1999	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	XANST	CON %	07/07/1999	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	CON %	07/07/1999	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G27