

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE:
PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/05/00	05/19/00	05/30/00	06/06/00	AME
AIR TEMPERATURE	75	51	79	63	F
% REL. HUMIDITY	70	85	60	55	
WIND DIRECTION	SOUTH	NORTH	NORTH	NORTH	
WIND SPEED	5.0	5.0	10.0	3.0	M/H
CLOUD COVER	PARTCLDY	CLOUDY	CLEAR	CLEAR	
DEW	---	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	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	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT		---	---	---	
DENSITY /					
*** CROP *** CORN, DENT GARST8600IT 05/05/2000		---/11 3.00/3.00	---/13 7.00/7.00	---/15 18.0/18.0	IN
*** PEST *** WATERHEMP, COMMO		---/11 0.50/0.50	---/14 2.00/2.00	---/19 4.00/4.00	IN
FOXTAIL, GIANT		---/11 1.00/1.00	---/12 2.00/2.00	---/12 3.00/3.00	IN
COCKLEBUR, COMMO		---/10 0.50/0.50	---/12 2.00/2.00	---/14 3.00/3.00	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 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: CITSYS WEED CONTROL SYSTEMS IN CLEARFIELD CORN AS-400
CREATED: 04/11/2000 **REVISED:** 09/21/2001 **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	06/13/00	06/13/00	06/13/00	06/13/00	06/26/00	06/26/00
		RATE	UNIT							
1A	ATRAZINE DF	2.00	LAA 9		0	86	87	93	0	76
	B»LIGHTNING 70DG	0.056	LAA 11							
	C»ACTIVATOR 90	0.25	PMV 11							
	D AM. SULFATE	12.50	PMG 11							
2A	ATRAZINE DF	1.00	LAA 9		0	92	95	82	0	91
	B»LIGHTNING 70DG	0.056	LAA 11							
	C ATRAZINE DF	1.00	LAA 11							
	D»ACTIVATOR 90	0.25	PMV 11							
	E AM. SULFATE	12.50	PMG 11							
3A	ATRAZINE DF	2.00	LAA 9		0	93	92	80	0	95
	B»LIGHTNING 70DG	0.056	LAA 11							
	C PROWL 3.3EC	1.24	LAA 11							
	D»ACTIVATOR 90	0.25	PMV 11							
	E AM. SULFATE	12.50	PMG 11							
4A	ATRAZINE DF	1.50	LAA 9		0	85	97	91	0	58
	B»LIGHTNING 70DG	0.056	LAA 11							
	C»DISTINCT 70WG	0.175	LAA 11							
	D»ACTIVATOR 90	0.25	PMV 11							
	E AM. SULFATE	12.50	PMG 11							
5A	ATRAZINE DF	1.50	LAA 9		0	86	92	93	0	53
	B»LIGHTNING 70DG	0.056	LAA 11							
	C CLARITY	0.125	LAA 11							
	D»ACTIVATOR 90	0.25	PMV 11							
	E AM. SULFATE	12.50	PMG 11							
6A	CHECK	0.00	NA 0		0	0	0	0	0	0
7A	ATRAZINE DF	1.50	LAA 9		0	89	96	86	0	89
	B»LIGHTNING 70DG	0.056	LAA 11							
	C MARKSMAN SC	0.60	LAA 11							
	D»ACTIVATOR 90	0.25	PMV 11							
	E AM. SULFATE	12.50	PMG 11							
8A	ATRAZINE DF	1.50	LAA 9		0	88	84	72	0	71
	B»LIGHTNING 70DG	0.056	LAA 11							
	C»AIM 40 DF	0.008	LAA 11							
	D»ACTIVATOR 90	0.25	PMV 11							
	E AM. SULFATE	12.50	PMG 11							
9A	ATRAZINE DF	1.00	LAA 9		0	90	95	83	0	81
	B»LIGHTNING 70DG	0.056	LAA 11							
	C SHOTGUN	0.667	LAA 11							
	D»ACTIVATOR 90	0.25	PMV 11							
	E AM. SULFATE	12.50	PMG 11							
10A	ATRAZINE DF	1.00	LAA 9		0	93	95	81	0	75
	B»LIGHTNING 70DG	0.056	LAA 11							
	C»ZA1296 4SC	0.063	LAA 11							
	D»ACTIVATOR 90	0.25	PMV 11							
	E AM. SULFATE	12.50	PMG 11							
11A»	LIGHTNING 70DG	0.056	LAA 11		0	82	94	88	0	74
	B»ZA1296 4SC	0.063	LAA 11							
	C»ACTIVATOR 90	0.25	PMV 11							
	D AM. SULFATE	12.50	PMG 11							
12A	ATRAZINE DF	1.50	LAA 9		0	88	78	67	0	70
	B»BALANCE 75WG	0.047	LAA 9							
	C PROWL 3.3EC	1.24	LAA 9							
13A	PROWL 3.3EC	1.24	LAA 9		0	82	78	57	0	67
	B»BASIS GOLD 90D	0.79	LAA 10							
	C»COC	1.00	PMV 10							
	D 28% UAN	2.50	PMV 10							

TITLE: CITSYS WEED CONTROL SYSTEMS IN CLEARFIELD CORN AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			06/13/00	06/13/00	06/13/00	06/13/00	06/26/00	06/26/00
		RATE	UNIT	TM						
14A	PROWL 3.3EC	1.24	LAA	9	0	89	83	73	0	60
	B»BICEP II MAGNU	1.37	LAA	9						
	C MARKSMAN SC	0.60	LAA	10						
	D»ACTIVATOR 90	0.25	PMV	10						
15A	ATRAZINE DF	1.50	LAA	9	0	88	93	85	0	82
	B PROWL 3.3EC	1.24	LAA	9						
	C»SPIRIT 57WG	0.036	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
16A	ATRAZINE DF	1.50	LAA	9	0	89	97	86	0	53
	B PROWL 3.3EC	1.24	LAA	9						
	C»NORTHSTAR 47.4	0.148	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	1.25	PMV	11						
17A»	LIGHTNING 70DG	0.056	LAA	11	0	89	89	94	0	83
	B PROWL 3.3EC	0.62	LAA	11						
	C CLARITY	0.25	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
18A»	GUARDSMAN	2.80	LAA	9	0	94	97	83	0	75
	B»LIGHTNING 70DG	0.056	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	1.25	PMV	11						
19A»	GUARDSMAN	2.80	LAA	9	0	96	98	83	0	92
	B»LIGHTNING 70DG	0.056	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E 28% UAN	1.25	PMV	11						
20A	ATRAZINE DF	1.50	LAA	9	0	92	95	95	0	91
	B»LIGHTNING 70DG	0.056	LAA	11						
	C MARKSMAN SC	0.60	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E 28% UAN	1.25	PMV	11						
		LSD (0.05)			0.00	8.00	7.48	10.23	0.00	14.59
		STANDARD DEVIATION			0.00	3.95	3.70	5.06	0.00	7.22

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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** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	06/26/00	06/26/00
		RATE	UNIT			
1A	ATRAZINE DF	2.00	LAA 9		53	80
	B»LIGHTNING 70DG	0.056	LAA 11			
	C»ACTIVATOR 90	0.25	PMV 11			
	D AM. SULFATE	12.50	PMG 11			
2A	ATRAZINE DF	1.00	LAA 9		68	63
	B»LIGHTNING 70DG	0.056	LAA 11			
	C ATRAZINE DF	1.00	LAA 11			
	D»ACTIVATOR 90	0.25	PMV 11			
	E AM. SULFATE	12.50	PMG 11			
3A	ATRAZINE DF	2.00	LAA 9		97	62
	B»LIGHTNING 70DG	0.056	LAA 11			
	C PROWL 3.3EC	1.24	LAA 11			
	D»ACTIVATOR 90	0.25	PMV 11			
	E AM. SULFATE	12.50	PMG 11			
4A	ATRAZINE DF	1.50	LAA 9		57	78
	B»LIGHTNING 70DG	0.056	LAA 11			
	C»DISTINCT 70WG	0.175	LAA 11			
	D»ACTIVATOR 90	0.25	PMV 11			
	E AM. SULFATE	12.50	PMG 11			
5A	ATRAZINE DF	1.50	LAA 9		57	78
	B»LIGHTNING 70DG	0.056	LAA 11			
	C CLARITY	0.125	LAA 11			
	D»ACTIVATOR 90	0.25	PMV 11			
	E AM. SULFATE	12.50	PMG 11			
6A	CHECK	0.00	NA 0		0	0
7A	ATRAZINE DF	1.50	LAA 9		91	68
	B»LIGHTNING 70DG	0.056	LAA 11			
	C MARKSMAN SC	0.60	LAA 11			
	D»ACTIVATOR 90	0.25	PMV 11			
	E AM. SULFATE	12.50	PMG 11			
8A	ATRAZINE DF	1.50	LAA 9		37	55
	B»LIGHTNING 70DG	0.056	LAA 11			
	C»AIM 40 DF	0.008	LAA 11			
	D»ACTIVATOR 90	0.25	PMV 11			
	E AM. SULFATE	12.50	PMG 11			
9A	ATRAZINE DF	1.00	LAA 9		63	63
	B»LIGHTNING 70DG	0.056	LAA 11			
	C SHOTGUN	0.667	LAA 11			
	D»ACTIVATOR 90	0.25	PMV 11			
	E AM. SULFATE	12.50	PMG 11			
10A	ATRAZINE DF	1.00	LAA 9		62	40
	B»LIGHTNING 70DG	0.056	LAA 11			
	C»ZA1296 4SC	0.063	LAA 11			
	D»ACTIVATOR 90	0.25	PMV 11			
	E AM. SULFATE	12.50	PMG 11			
11A»	LIGHTNING 70DG	0.056	LAA 11		30	75
	B»ZA1296 4SC	0.063	LAA 11			
	C»ACTIVATOR 90	0.25	PMV 11			
	D AM. SULFATE	12.50	PMG 11			
12A	ATRAZINE DF	1.50	LAA 9		68	43
	B»BALANCE 75WG	0.047	LAA 9			
	C PROWL 3.3EC	1.24	LAA 9			
13A	PROWL 3.3EC	1.24	LAA 9		17	33
	B»BASIS GOLD 90D	0.79	LAA 10			
	C»COC	1.00	PMV 10			
	D 28% UAN	2.50	PMV 10			

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TRT NUM	TREATMENT COMPONENT	DOSAGE				
		RATE	UNIT	TM	06/26/00	06/26/00
14A	PROWL 3.3EC	1.24	LAA	9	73	48
	B»BICEP II MAGNU	1.37	LAA	9		
	C MARKSMAN SC	0.60	LAA	10		
	D»ACTIVATOR 90	0.25	PMV	10		
15A	ATRAZINE DF	1.50	LAA	9	72	72
	B PROWL 3.3EC	1.24	LAA	9		
	C»SPIRIT 57WG	0.036	LAA	12		
	D»COC	1.00	PMV	12		
	E 28% UAN	2.50	PMV	12		
16A	ATRAZINE DF	1.50	LAA	9	63	81
	B PROWL 3.3EC	1.24	LAA	9		
	C»NORTHSTAR 47.4	0.148	LAA	11		
	D»COC	1.00	PMV	11		
	E 28% UAN	1.25	PMV	11		
17A»	LIGHTNING 70DG	0.056	LAA	11	72	77
	B PROWL 3.3EC	0.62	LAA	11		
	C CLARITY	0.25	LAA	11		
	D»ACTIVATOR 90	0.25	PMV	11		
	E 28% UAN	2.50	PMV	11		
18A»	GUARDSMAN	2.80	LAA	9	50	47
	B»LIGHTNING 70DG	0.056	LAA	11		
	C»ACTIVATOR 90	0.25	PMV	11		
	D 28% UAN	1.25	PMV	11		
19A»	GUARDSMAN	2.80	LAA	9	87	52
	B»LIGHTNING 70DG	0.056	LAA	11		
	C ATRAZINE DF	0.50	LAA	11		
	D»ACTIVATOR 90	0.25	PMV	11		
	E 28% UAN	1.25	PMV	11		
20A	ATRAZINE DF	1.50	LAA	9	72	73
	B»LIGHTNING 70DG	0.056	LAA	11		
	C MARKSMAN SC	0.60	LAA	11		
	D»ACTIVATOR 90	0.25	PMV	11		
	E 28% UAN	1.25	PMV	11		
		LSD (0.05)			14.26	14.78
		STANDARD DEVIATION			7.06	7.31

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/05/2000(1)
- 10 = ----- / VEPOST 05/19/2000(2)
- 11 = ----- / EPOST 05/30/2000(3)
- 12 = ----- / POST 06/06/2000(4)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001			06/13/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002			06/13/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003			06/13/2000	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004			06/13/2000	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005			06/26/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006			06/26/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007			06/26/2000	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008			06/26/2000	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = GARST8600IT