

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	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/01/99	05/28/99	06/07/99	AME
AIR TEMPERATURE	68	78	84	F
% REL.HUMIDITY	45	53	65	
WIND DIRECTION	EAST	WEST	SOUTHWEST	
WIND SPEED	5.0	3.0	7.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	42.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT				
DEN/ STG/ MINMAXSZ				
*** CROP ***				
CORN, DENT		---/13	---/15	
PIONEER 33G27		8.00/8.00	16.0/16.0	IN
04/30/1999				
*** PEST ***				
RAGWEED, COMMON		---/12	---/14	
		2.00/2.00	2.00/4.00	IN
MORNINGGLORY, TA		---/11	---/13	
		1.00/1.00	2.00/2.00	IN
FOXTAIL, GIANT		---/13	---/14	
		1.00/3.00	3.00/6.00	IN
COCKLEBUR, COMMO		---/12	---/14	
		2.00/2.00	4.00/4.00	IN

\* TIMING CODES

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

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 15 = 5 LEAVES UNFOLDED

**TITLE:** CRNSYS1 WEED CONTROL SYSTEMS IN CORN I C-500  
**CREATED:** 04/18/1999 **REVISED:** 08/16/1999 **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	AMBEL	XANST	PHBPU	ZEAMD
		RATE	UNIT		CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 07/07/99
1A»	BALANCE 75WG	0.094	LAA	9	0	85	99	89	93	0
B	ATRAZINE DF	1.50	LAA	9						
2A»	BALANCE 75WG	0.118	LAA	9	0	94	99	98	96	0
B	ATRAZINE DF	1.50	LAA	9						
3A»	BALANCE 75WG	0.094	LAA	9	0	97	99	96	94	0
B»	BICEP II MAGNU	1.92	LAA	9						
4A»	BALANCE 75WG	0.094	LAA	9	0	99	99	90	93	0
B	HARNES XTRA	2.10	LAA	9						
5A»	BALANCE 75WG	0.094	LAA	9	0	96	99	93	91	0
B»	FULTIME 4SC	1.65	LAA	9						
6A»	BALANCE 75WG	0.094	LAA	9	0	97	99	80	83	0
B»	DUAL II MAGNUM	0.96	LAA	9						
7A»	BALANCE 75WG	0.094	LAA	9	0	91	99	82	86	0
B	HARNES (7EC)	0.96	LAA	9						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	BALANCE 75WG	0.094	LAA	9	0	91	99	73	68	0
B	SURPASS 6.4	0.96	LAA	9						
10A»	BALANCE 75WG	0.094	LAA	9	0	78	99	77	82	0
B»	AXIOM	0.38	LAA	9						
11A»	BALANCE 75WG	0.094	LAA	9	0	93	99	86	72	0
B»	GUARDSMAN	1.56	LAA	9						
12A»	BALANCE 75WG	0.094	LAA	9	0	97	99	87	76	0
B»	MON 58430 3.8M	0.96	LAA	9						
13A»	EXP31809B 4SC	0.094	LAA	9	0	68	99	67	83	0
B	ATRAZINE DF	1.50	LAA	9						
14A»	EXP31809B 4SC	0.094	LAA	9	0	95	99	87	96	0
B»	BICEP II MAGNU	1.92	LAA	9						
15A»	EXP31809B 4SC	0.094	LAA	9	0	97	99	92	88	0
B	HARNES XTRA	2.10	LAA	9						
16A»	EXP31809B 4SC	0.094	LAA	9	0	96	99	88	94	0
B»	FULTIME 4SC	1.65	LAA	9						
17A»	FRONTIER 6.0EC	1.50	LAA	9	8	95	99	99	96	0
B	MARKSMAN SC	1.40	LAA	11						
C	28% UAN	2.50	PMV	11						
18A»	DUAL II MAGNUM	1.52	LAA	9	0	90	85	85	83	0
B»	NORTHSTAR 47.4	0.148	LAA	12						
C»	ACTIVATE PLUS	0.25	PMV	12						
D	28% UAN	2.50	PMV	12						
19A»	FRONTIER 6.0EC	1.50	LAA	9	7	89	99	99	98	0
B	CLARITY	0.50	LAA	11						
C	28% UAN	2.50	PMV	11						
20A»	DUAL II MAGNUM	1.52	LAA	9	2	82	83	83	82	0
B»	SPIRIT 57WG	0.036	LAA	12						
C»	ACTIVATE PLUS	0.25	PMV	12						
D	28% UAN	2.50	PMV	12						
21A»	FRONTIER X2 6E	0.984	LAA	9	0	96	99	99	91	0
B»	DISTINCT 70WG	0.263	LAA	11						
C»	ACTIVATE PLUS	0.25	PMV	11						
D	28% UAN	2.50	PMV	11						

## TITLE: CRNSYS1 WEED CONTROL SYSTEMS IN CORN I C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMBEL	XANST	PHBPU	ZEAMD
		RATE	UNIT	TM	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 07/07/99
22A	TOPNOTCH (3.2C	2.00	LAA	9	0	98	70	73	73	0
	B»HORNET 85.6WG	0.128	LAA	12						
	C»ACTIVATE PLUS	0.25	PMV	12						
23A	»FRONTIER 6.0EC	1.50	LAA	9	5	89	99	99	94	0
	B LADDOK SP-12 (	1.04	LAA	12						
	C 28% UAN	2.50	PMV	12						
24A	»FRONTIER 6.0EC	0.94	LAA	9	2	88	75	75	77	0
	B»CELEBRITY G 75	0.031	LAA	12						
	C»DISTINCT 70WG	0.175	LAA	12						
	D»ACTIVATE PLUS	0.25	PMV	12						
	E 28% UAN	2.50	PMV	12						
25A	»DUAL II MAGNUM	1.52	LAA	9	15	75	65	99	77	0
	B BUCTRIL 2EC	0.375	LAA	12						
26A	»FRONTIER 6.0EC	0.94	LAA	9	3	88	80	80	77	3
	B»CELEBRITY G 75	0.031	LAA	12						
	C»CELEBRITY B 70	0.263	LAA	12						
	D»ACTIVATE PLUS	0.25	PMV	12						
	E 28% UAN	2.50	PMV	12						
27A	»OPTILL 6L	1.57	LAA	9	5	97	99	99	96	0
	B MARKSMAN SC	1.40	LAA	11						
	C 28% UAN	2.50	PMV	11						
28A	HARNESS (7EC)	1.58	LAA	9	40	95	99	96	99	23
	B SHOTGUN	1.02	LAA	12						
	C»LI-700	0.25	PMV	12						
		LSD (0.05)			5.77	7.34	6.54	12.12	14.37	2.00
		STANDARD DEVIATION			2.89	3.67	3.27	6.06	7.19	1.00

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**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	SETFA	AMBEL	XANST	PHBPU
		RATE	UNIT		CON % 07/07/99	CON % 07/07/99	CON % 07/07/99	CON % 07/07/99
1A»	BALANCE 75WG	0.094	LAA	9	92	99	85	91
B	ATRAZINE DF	1.50	LAA	9				
2A»	BALANCE 75WG	0.118	LAA	9	93	99	98	93
B	ATRAZINE DF	1.50	LAA	9				
3A»	BALANCE 75WG	0.094	LAA	9	97	99	93	96
B»	BICEP II MAGNU	1.92	LAA	9				
4A»	BALANCE 75WG	0.094	LAA	9	96	99	92	96
B	HARNES XTRA	2.10	LAA	9				
5A»	BALANCE 75WG	0.094	LAA	9	91	99	89	95
B»	FULTIME 4SC	1.65	LAA	9				
6A»	BALANCE 75WG	0.094	LAA	9	95	94	83	89
B»	DUAL II MAGNUM	0.96	LAA	9				
7A»	BALANCE 75WG	0.094	LAA	9	91	99	79	88
B	HARNES (7EC)	0.96	LAA	9				
8A	CHECK	0.00	NA	0	0	0	0	0
9A»	BALANCE 75WG	0.094	LAA	9	91	99	67	66
B	SURPASS 6.4	0.96	LAA	9				
10A»	BALANCE 75WG	0.094	LAA	9	81	99	71	80
B»	AXIOM	0.38	LAA	9				
11A»	BALANCE 75WG	0.094	LAA	9	90	99	81	90
B»	GUARDSMAN	1.56	LAA	9				
12A»	BALANCE 75WG	0.094	LAA	9	95	99	75	85
B»	MON 58430 3.8M	0.96	LAA	9				
13A»	EXP31809B 4SC	0.094	LAA	9	68	99	78	82
B	ATRAZINE DF	1.50	LAA	9				
14A»	EXP31809B 4SC	0.094	LAA	9	90	99	83	93
B»	BICEP II MAGNU	1.92	LAA	9				
15A»	EXP31809B 4SC	0.094	LAA	9	95	99	91	83
B	HARNES XTRA	2.10	LAA	9				
16A»	EXP31809B 4SC	0.094	LAA	9	94	96	91	92
B»	FULTIME 4SC	1.65	LAA	9				
17A»	FRONTIER 6.0EC	1.50	LAA	9	94	99	96	96
B	MARKSMAN SC	1.40	LAA	11				
C	28% UAN	2.50	PMV	11				
18A»	DUAL II MAGNUM	1.52	LAA	9	81	99	99	91
B»	NORTHSTAR 47.4	0.148	LAA	12				
C»	ACTIVATE PLUS	0.25	PMV	12				
D	28% UAN	2.50	PMV	12				
19A»	FRONTIER 6.0EC	1.50	LAA	9	85	99	96	93
B	CLARITY	0.50	LAA	11				
C	28% UAN	2.50	PMV	11				
20A»	DUAL II MAGNUM	1.52	LAA	9	78	99	98	93
B»	SPIRIT 57WG	0.036	LAA	12				
C»	ACTIVATE PLUS	0.25	PMV	12				
D	28% UAN	2.50	PMV	12				
21A»	FRONTIER X2 6E	0.984	LAA	9	93	99	99	94
B»	DISTINCT 70WG	0.263	LAA	11				
C»	ACTIVATE PLUS	0.25	PMV	11				
D	28% UAN	2.50	PMV	11				

TITLE: CRNSYS1 WEED CONTROL SYSTEMS IN CORN I C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMBEL	XANST	PHBPU
		RATE	UNIT	TM	CON % 07/07/99	CON % 07/07/99	CON % 07/07/99	CON % 07/07/99
22A	TOPNOTCH (3.2C	2.00	LAA	9	89	90	90	83
	B»HORNET 85.6WG	0.128	LAA	12				
	C»ACTIVATE PLUS	0.25	PMV	12				
23A»	FRONTIER 6.0EC	1.50	LAA	9	87	99	99	96
	B LADDOK SP-12 (	1.04	LAA	12				
	C 28% UAN	2.50	PMV	12				
24A»	FRONTIER 6.0EC	0.94	LAA	9	97	98	99	94
	B»CELEBRITY G 75	0.031	LAA	12				
	C»DISTINCT 70WG	0.175	LAA	12				
	D»ACTIVATE PLUS	0.25	PMV	12				
	E 28% UAN	2.50	PMV	12				
25A»	DUAL II MAGNUM	1.52	LAA	9	67	63	99	67
	B BUCTRIL 2EC	0.375	LAA	12				
26A»	FRONTIER 6.0EC	0.94	LAA	9	96	99	99	93
	B»CELEBRITY G 75	0.031	LAA	12				
	C»CELEBRITY B 70	0.263	LAA	12				
	D»ACTIVATE PLUS	0.25	PMV	12				
	E 28% UAN	2.50	PMV	12				
27A»	OPTILL 6L	1.57	LAA	9	91	99	96	88
	B MARKSMAN SC	1.40	LAA	11				
	C 28% UAN	2.50	PMV	11				
28A	HARNESS (7EC)	1.58	LAA	9	93	99	98	94
	B SHOTGUN	1.02	LAA	12				
	C»LI-700	0.25	PMV	12				
	LSD (0.05)				8.37	5.81	18.53	17.18
	STANDARD DEVIATION				4.18	2.90	9.26	8.59

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

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

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 %	06/17/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/17/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	06/17/1999	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST	CON %	06/17/1999	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/17/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	07/07/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/07/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBEL	CON %	07/07/1999	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	XANST	CON %	07/07/1999	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/07/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G27