

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.8
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE:
 PLOT WIDTH: 10 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/03/00	05/31/00	06/06/00	AME
AIR TEMPERATURE	78	83	73	F
% REL.HUMIDITY	55	60	41	
WIND DIRECTION	SOUTHEAST	NORTH	NORTH	
WIND SPEED	5.0	2.0	4.0	M/H
CLOUD COVER	PARTCLDY	CLOUDY	CLEAR	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	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 PIONEER 33G27 05/03/2000		---/13 8.00/8.00	---/14 10.0/10.0	IN
*** PEST *** LAMBSQUARTERS, C		---/17 2.00/2.00	---/19 3.00/3.00	IN
FOXTAIL, GIANT		---/12 3.00/3.00	---/13 5.00/5.00	IN
COCKLEBUR, COMMO		---/12 2.00/2.00	---/14 3.00/3.00	IN

* TIMING CODES

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

* STAGE CODE

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

TITLE: CAEFSYS AEF EXP SYSTEMS FOR WEED CONTROL IN CORN C-500
CREATED: 04/21/2000 **REVISED:** 11/08/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	XANST	ZEAMD	SETFA
		RATE	UNIT		06/17/00	06/17/00	06/17/00	06/17/00	06/28/00	06/28/00
1A	ACCENT 75WG	0.031	LAA	11	0	62	0	0	0	77
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
2A»	OPTION 35WDG	0.055	LAA	11	0	63	90	85	0	70
	B»MSO	0.94	PMV	11						
	C 28% UAN	2.50	PMV	11						
3A»	AEF 130360-2 6	0.048	LAA	11	0	72	93	91	3	60
	B»MSO	0.94	PMV	11						
	C 28% UAN	2.50	PMV	11						
4A»	BASIS GOLD 90D	0.79	LAA	11	0	60	99	47	0	72
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	OPTION 35WDG	0.055	LAA	11	0	64	99	82	0	53
	B ATRAZINE DF	1.00	LAA	11						
	C»COC	0.94	PMV	11						
	D 28% UAN	2.50	PMV	11						
7A»	OPTION 35WDG	0.055	LAA	11	0	62	93	85	0	50
	B CLARITY	0.188	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
8A»	OPTION 35WDG	0.055	LAA	11	0	67	99	94	0	60
	B»DISTINCT 70WG	0.175	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
9A»	OPTION 35WDG	0.055	LAA	11	0	65	85	77	0	80
	B»AIM 40 DF	0.008	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
10A»	LEADOFF 5SE	0.94	LAA	9	0	92	99	75	0	94
	B»BASIS GOLD 90D	0.79	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
11A	ATRAZINE DF	2.00	LAA	9	0	96	99	90	0	93
	B»OPTION 35WDG	0.055	LAA	12						
	C»COC	0.94	PMV	12						
	D 28% UAN	2.50	PMV	12						
12A»	BALANCE 75WG	0.07	LAA	9	0	91	99	86	0	92
	B»OPTION 35WDG	0.055	LAA	12						
	C»COC	0.94	PMV	12						
	D 28% UAN	2.50	PMV	12						
13A»	DUAL II MAGNUM	1.58	LAA	9	0	97	70	57	0	94
	B»OPTION 35WDG	0.055	LAA	12						
	C»COC	0.94	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A»	AEF 130360-2 6	0.048	LAA	11	0	68	88	96	2	62
	B CLARITY	0.188	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
15A»	AEF 130360-2 6	0.048	LAA	11	0	63	93	96	2	65
	B»DISTINCT 70WG	0.175	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						

TITLE: CAEFSYS AEF EXP SYSTEMS FOR WEED CONTROL IN CORN C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD 06/17/00	SETFA 06/17/00	CHEAL 06/17/00	XANST 06/17/00	ZEAMD 06/28/00	SETFA 06/28/00
		RATE	UNIT							
16A»	AEF 130360-2 6	0.048	LAA 11		3	65	91	91	0	53
	B»AIM 40 DF	0.008	LAA 11							
	C»ACTIVATOR 90	0.25	PMV 11							
	D 28% UAN	2.50	PMV 11							
17A»	AEF 130360-2 6	0.048	LAA 11		0	45	90	87	0	37
	B ATRAZINE DF	1.00	LAA 11							
	C»COC	0.94	PMV 11							
	D 28% UAN	2.50	PMV 11							
18A	ATRAZINE DF	2.00	LAA 9		0	89	99	90	2	88
	B»AEF 130360-2 6	0.048	LAA 12							
	C»COC	0.94	PMV 12							
	D 28% UAN	2.50	PMV 12							
19A»	BALANCE 75WG	0.07	LAA 9		2	93	94	96	0	93
	B»AEF 130360-2 6	0.048	LAA 12							
	C»COC	0.94	PMV 12							
	D 28% UAN	2.50	PMV 12							
20A»	DUAL II MAGNUM	1.58	LAA 9		0	95	80	77	0	91
	B»AEF 130360-2 6	0.048	LAA 12							
	C»COC	0.94	PMV 12							
	D 28% UAN	2.50	PMV 12							
21A»	IL 0300	0.00	LAA 11		2	62	83	77	0	75
	B»MSO	0.94	PMV 11							
	C 28% UAN	2.50	PMV 11							
22A»	HAND WEEDED	0.00	NA 0		0	99	99	99	0	99
		LSD (0.05)			1.68	12.81	11.22	14.13	1.90	13.86
		STANDARD DEVIATION			0.842	6.40	5.61	7.06	0.95	6.93

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PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	CHEAL	XANST	YIELD
		RATE	UNIT		06/28/00	06/28/00	10/02/00
1A	ACCENT 75WG	0.031	LAA	11	0	0	172.0
	B»COC	1.00	PMV	11			
	C 28% UAN	2.50	PMV	11			
2A»	OPTION 35WDG	0.055	LAA	11	73	77	176.7
	B»MSO	0.94	PMV	11			
	C 28% UAN	2.50	PMV	11			
3A»	AEF 130360-2 6	0.048	LAA	11	87	91	179.7
	B»MSO	0.94	PMV	11			
	C 28% UAN	2.50	PMV	11			
4A»	BASIS GOLD 90D	0.79	LAA	11	77	43	186.3
	B»COC	1.00	PMV	11			
	C 28% UAN	2.50	PMV	11			
5A	CHECK	0.00	NA	0	0	0	152.6
6A»	OPTION 35WDG	0.055	LAA	11	92	87	169.2
	B ATRAZINE DF	1.00	LAA	11			
	C»COC	0.94	PMV	11			
	D 28% UAN	2.50	PMV	11			
7A»	OPTION 35WDG	0.055	LAA	11	98	96	180.1
	B CLARITY	0.188	LAA	11			
	C»ACTIVATOR 90	0.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
8A»	OPTION 35WDG	0.055	LAA	11	94	91	155.3
	B»DISTINCT 70WG	0.175	LAA	11			
	C»ACTIVATOR 90	0.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
9A»	OPTION 35WDG	0.055	LAA	11	80	63	183.1
	B»AIM 40 DF	0.008	LAA	11			
	C»ACTIVATOR 90	0.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
10A»	LEADOFF 5SE	0.94	LAA	9	98	88	180.9
	B»BASIS GOLD 90D	0.79	LAA	12			
	C»COC	1.00	PMV	12			
	D 28% UAN	2.50	PMV	12			
11A	ATRAZINE DF	2.00	LAA	9	97	85	170.2
	B»OPTION 35WDG	0.055	LAA	12			
	C»COC	0.94	PMV	12			
	D 28% UAN	2.50	PMV	12			
12A»	BALANCE 75WG	0.07	LAA	9	96	88	175.2
	B»OPTION 35WDG	0.055	LAA	12			
	C»COC	0.94	PMV	12			
	D 28% UAN	2.50	PMV	12			
13A»	DUAL II MAGNUM	1.58	LAA	9	80	87	184.5
	B»OPTION 35WDG	0.055	LAA	12			
	C»COC	0.94	PMV	12			
	D 28% UAN	2.50	PMV	12			
14A»	AEF 130360-2 6	0.048	LAA	11	98	96	181.0
	B CLARITY	0.188	LAA	11			
	C»ACTIVATOR 90	0.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
15A»	AEF 130360-2 6	0.048	LAA	11	98	96	170.2
	B»DISTINCT 70WG	0.175	LAA	11			
	C»ACTIVATOR 90	0.25	PMV	11			
	D 28% UAN	2.50	PMV	11			

TITLE: CAEFSYS AEF EXP SYSTEMS FOR WEED CONTROL IN CORN C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	CHEAL	XANST	YIELD
		RATE	UNIT		06/28/00	06/28/00	BU/A 10/02/00
16A	»AEF 130360-2 6	0.048	LAA	11	83	82	176.0
	B»AIM 40 DF	0.008	LAA	11			
	C»ACTIVATOR 90	0.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
17A	»AEF 130360-2 6	0.048	LAA	11	89	88	170.1
	B ATRAZINE DF	1.00	LAA	11			
	C»COC	0.94	PMV	11			
	D 28% UAN	2.50	PMV	11			
18A	ATRAZINE DF	2.00	LAA	9	86	88	185.6
	B»AEF 130360-2 6	0.048	LAA	12			
	C»COC	0.94	PMV	12			
	D 28% UAN	2.50	PMV	12			
19A	»BALANCE 75WG	0.07	LAA	9	98	96	173.1
	B»AEF 130360-2 6	0.048	LAA	12			
	C»COC	0.94	PMV	12			
	D 28% UAN	2.50	PMV	12			
20A	»DUAL II MAGNUM	1.58	LAA	9	75	73	176.3
	B»AEF 130360-2 6	0.048	LAA	12			
	C»COC	0.94	PMV	12			
	D 28% UAN	2.50	PMV	12			
21A	»IL 0300	0.00	LAA	11	82	80	175.4
	B»MSO	0.94	PMV	11			
	C 28% UAN	2.50	PMV	11			
22A	»HAND WEEDED	0.00	NA	0	99	99	163.7
		LSD (0.05)			12.49	12.13	23.18
		STANDARD DEVIATION			6.24	6.06	11.59

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/03/2000(1)
 11 = ----- / EPOST 05/31/2000(2)
 12 = ----- / POST 06/06/2000(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		06/17/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA		06/17/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL		06/17/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST		06/17/2000	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD		06/28/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA		06/28/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	CHEAL		06/28/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST		06/28/2000	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	YIELD	BU/A	10/02/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G27