

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 28 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/24/99	06/11/99	06/16/99	AME
AIR TEMPERATURE	63	85	60	F
% REL.HUMIDITY	83	70	50	
WIND DIRECTION	NORTHEAST	---	NORTH	
WIND SPEED	3.0	0.0	3.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	CLOUDY	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	WET/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	30.00	30.00	30.00	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	---/14	
DEKALB DK 512RR		6.00/8.00	8.00/10.0	IN
05/24/1999				
*** PEST ***				
VELVETLEAF		---/11	---/13	
		1.00/2.00	2.00/4.00	IN
RAGWEED, COMMON		---/12	---/14	
		1.00/2.00	2.00/4.00	IN
MORNINGGLORY, IV		---/11	---/13	
		1.00/1.00	1.00/2.00	IN
FOXTAIL, GIANT		---/12	---/13	
		1.00/2.00	3.00/5.00	IN
COCKLEBUR, COMMO		---/11	---/13	
		1.00/2.00	2.00/4.00	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

**TITLE:** CBT CORN WEED CONTROL SYSTEMS IN CORN C4S  
**CREATED:** 05/22/1999 **REVISED:** 09/07/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** BROWNSTOWN **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	AMBEL	XANST	IPOHE	ABUTH	SETFA
		RATE	UNIT		CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99
1A	GUARDSMAN 5SE	2.80	LAA	9	0	98	99	88	98	96
2A»	BICEP II MAGNU	2.89	LAA	9	0	99	98	92	95	99
3A»	OPTILL 6L	1.62	LAA	9	0	99	99	92	98	99
	B ATRAZINE DF	1.50	LAA	9						
4A	HARNESS XTRA	3.40	LAA	9	0	98	98	92	96	95
5A	GUARDSMAN 5SE	2.80	LAA	9	0	99	98	92	99	98
	B»BALANCE 75WG	0.094	LAA	9						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	GUARDSMAN 5SE	2.80	LAA	9	0	99	98	92	98	98
	B»HORNET 85.6WG	0.128	LAA	9						
8A»	FRONTIER 6.0EC	0.68	LAA	9	3	95	89	80	99	92
	B»BALANCE 75WG	0.094	LAA	9						
9A»	AXIOM	0.84	LAA	9	3	98	96	95	98	98
	B ATRAZINE DF	1.50	LAA	9						
10A»	FRONTIER X2 6E	0.76	LAA	9	3	99	99	99	99	93
	B MARKSMAN SC	1.20	LAA	11						
	C 28% UAN	2.50	PMV	11						
11A»	FRONTIER X2 6E	0.76	LAA	9	0		0	0	0	0
	B»DISTINCT 70WG	0.263	LAA	12						
	C»ACTIVATE PLUS	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
12A»	BALANCE 75WG	0.047	LAA	9	0	99	99	97	99	99
	B ATRAZINE DF	0.61	LAA	9						
	C»BASIS GOLD 90D	0.79	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
13A»	LEADOFF 5SE	0.85	LAA	9	5	99	98	98	99	99
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
14A»	BASIS	0.016	LAA	9	0	99	99	99	99	98
	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						
15A»	BALANCE 75WG	0.047	LAA	9	3	99	99	96	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						
16A»	AXIOM	0.73	LAA	9	3	90	86	90	95	98
	B»HORNET 85.6WG	0.128	LAA	11						
	C»ACTIVATE PLUS	0.50	PMV	11						
	D 28% UAN	1.00	PMV	11						
17A»	AXIOM	0.65	LAA	9	0	99	98	93	98	95
	B ATRAZINE DF	1.20	LAA	11						
	C»COC	1.00	PMV	11						
18A	CHECK	0.00	NA	0	0		0	0	0	0

## TITLE: CBTCORN WEED CONTROL SYSTEMS IN CORN C4S

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	AMBEL	XANST	IPOHE	ABUTH	SETFA
		RATE	UNIT	TM	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99
19A	»EPIC 58DF	0.435	LAA	9	0	96	96	90	99	96
20A	»EPIC 58DF	0.435	LAA	9	3	98	99	93	99	99
	B ATRAZINE DF	0.80	LAA	9						
21A	»EPIC 58DF	0.435	LAA	9	2	99	99	98	99	96
	B ATRAZINE DF	1.60	LAA	9						
22A	»AXIOM	0.73	LAA	9	2	99	99	98	99	99
	B»DISTINCT 70WG	0.26	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
23A	ATRAZINE DF	1.80	LAA	9	3	99	99	99	99	99
	B»AXIOM	0.50	LAA	11						
	C ACCENT 75WG	0.016	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E AM. SULFATE	1.70	PMG	11						
24A	ATRAZINE DF	1.80	LAA	11	3	99	99	99	99	98
	B»AXIOM	0.50	LAA	11						
	C ACCENT 75WG	0.016	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E AM. SULFATE	1.70	PMG	11						
25A	TOPNOTCH (3.2C	1.80	LAA	9	0	99	99	99	99	98
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
26A	»DUAL II MAGNUM	1.40	LAA	9	0	99	99	98	99	99
	B MARKSMAN SC	1.20	LAA	11						
	C 28% UAN	2.50	PMV	11						
		LSD (0.05)			4.40	2.61	7.18	5.14	2.34	4.53
		STANDARD DEVIATION			2.20	1.30	3.59	2.57	1.17	2.26

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**CREATED:** 05/22/1999 **REVISED:** 09/07/1999 **COMPLETED:** N  
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**LOCATION:** BROWNSTOWN **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	AMBEL	XANST	IPOHE	ABUTH	SETFA
		RATE	UNIT		CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99
1A	GUARDSMAN 5SE	2.80	LAA	9	0	85	94	82	80	75
2A»	BICEP II MAGNU	2.89	LAA	9	0	91	97	77	91	88
3A»	OPTILL 6L	1.62	LAA	9	0	85	89	82	85	80
	B ATRAZINE DF	1.50	LAA	9						
4A	HARNESS XTRA	3.40	LAA	9	0	83	92	73	82	63
5A	GUARDSMAN 5SE	2.80	LAA	9	0	93	89	72	95	80
	B»BALANCE 75WG	0.094	LAA	9						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	GUARDSMAN 5SE	2.80	LAA	9	0	93	92	63	91	72
	B»HORNET 85.6WG	0.128	LAA	9						
8A»	FRONTIER 6.0EC	0.68	LAA	9	0	82	63	42	93	47
	B»BALANCE 75WG	0.094	LAA	9						
9A»	AXIOM	0.84	LAA	9	0	90	88	83	87	88
	B ATRAZINE DF	1.50	LAA	9						
10A»	FRONTIER X2 6E	0.76	LAA	9	0	92	87	91	94	85
	B MARKSMAN SC	1.20	LAA	11						
	C 28% UAN	2.50	PMV	11						
11A»	FRONTIER X2 6E	0.76	LAA	9	0	0	0	0	0	
	B»DISTINCT 70WG	0.263	LAA	12						
	C»ACTIVATE PLUS	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
12A»	BALANCE 75WG	0.047	LAA	9	0	92	91	85	91	84
	B ATRAZINE DF	0.61	LAA	9						
	C»BASIS GOLD 90D	0.79	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
13A»	LEADOFF 5SE	0.85	LAA	9	0	92	87	83	94	85
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
14A»	BASIS	0.016	LAA	9	0	96	97	87	95	87
	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						
15A»	BALANCE 75WG	0.047	LAA	9	0	98	98	88	96	85
	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						
16A»	AXIOM	0.73	LAA	9	0	53	68	73	82	73
	B»HORNET 85.6WG	0.128	LAA	11						
	C»ACTIVATE PLUS	0.50	PMV	11						
	D 28% UAN	1.00	PMV	11						
17A»	AXIOM	0.65	LAA	9	0	93	91	68	90	70
	B ATRAZINE DF	1.20	LAA	11						
	C»COC	1.00	PMV	11						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: CBT CORN WEED CONTROL SYSTEMS IN CORN C4S

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	AMBEL	XANST	IPOHE	ABUTH	SETFA
		RATE	UNIT	TM	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99
19A	»EPIC 58DF	0.435	LAA	9	0	90	72	65	93	63
20A	»EPIC 58DF	0.435	LAA	9	0	77	90	78	92	78
	B ATRAZINE DF	0.80	LAA	9						
21A	»EPIC 58DF	0.435	LAA	9	0	96	91	82	91	82
	B ATRAZINE DF	1.60	LAA	9						
22A	»AXIOM	0.73	LAA	9	0	90	97	87	92	92
	B»DISTINCT 70WG	0.26	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
23A	ATRAZINE DF	1.80	LAA	9	0	93	92	85	94	96
	B»AXIOM	0.50	LAA	11						
	C ACCENT 75WG	0.016	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E AM. SULFATE	1.70	PMG	11						
24A	ATRAZINE DF	1.80	LAA	11	0	94	95	92	95	82
	B»AXIOM	0.50	LAA	11						
	C ACCENT 75WG	0.016	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E AM. SULFATE	1.70	PMG	11						
25A	TOPNOTCH (3.2C	1.80	LAA	9	0	97	95	87	97	68
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
26A	»DUAL II MAGNUM	1.40	LAA	9	0	94	95	92	82	88
	B MARKSMAN SC	1.20	LAA	11						
	C 28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	9.48	8.80	10.67	10.17	12.00
		STANDARD DEVIATION			0.00	4.74	4.40	5.33	5.08	6.00

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/24/1999(1)  
 11 = ----- / EPOST 06/11/1999(2)  
 12 = ----- / POST 06/16/1999(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 %	06/23/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMBEL	CON %	06/23/1999	02	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	XANST	CON %	06/23/1999	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	IPOHE	CON %	06/23/1999	04	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/23/1999	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	06/23/1999	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	07/20/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBEL	CON %	07/20/1999	02	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	XANST	CON %	07/20/1999	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	IPOHE	CON %	07/20/1999	04	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/20/1999	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/20/1999	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB DK 512RR