

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06/08/99	AME
AIR TEMPERATURE	88	F
% REL.HUMIDITY	67	
WIND DIRECTION	---	
WIND SPEED	0.0	M/H
CLOUD COVER	CLEAR	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT		
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/16	
DEKALB 592SR	18.0/18.0	IN
04/30/1999		
*** PEST ***		
PIGWEEED, SMOOTH	---/19	
	4.00/8.00	IN
LAMBSQUARTERS, C	---/19	
	3.00/6.00	IN
MORNINGGLORY, TA	---/16	
	2.00/4.00	IN
SMARTWEED, PENNS	---/19	
	3.00/6.00	IN

\* TIMING CODES

12 = ----- / POST

\* STAGE CODE

16 = 6 LEAVES UNFOLDED

19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** CBUCTRIL BUCTRIL FORMULATIONS FOR BLW CONTROL IN CORN AS-200  
**CREATED:** 04/05/1999 **REVISED:** 07/28/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	ZEAMD	AMACH	CHEAL	POLPY	PHBPU
		RATE	UNIT		CON % 06/11/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99
1A	BUCTRIL 2EC	0.25	LAA 12		0	0	60	70	67	68
2A	BUCTRIL 2EC	0.25	LAA 12		0	0	78	83	78	82
	B ACCENT 75WG	0.031	LAA 12							
	C»COC	1.00	PMV 12							
3A»	TADS13169 20WP	0.25	LAA 12		0	0	63	83	73	67
	B»COC	1.00	PMV 12							
4A»	TADS13169 20WP	0.38	LAA 12		0	0	63	82	74	75
	B»COC	1.00	PMV 12							
5A»	TADS13169 20WP	0.25	LAA 12		0	0	83	88	85	85
	B ACCENT 75WG	0.031	LAA 12							
	C»COC	1.00	PMV 12							
6A»	TADS13169 20WP	0.38	LAA 12		0	0	83	90	88	88
	B ACCENT 75WG	0.031	LAA 12							
	C»COC	1.00	PMV 12							
7A»	TADS13169 20WP	0.25	LAA 12		0	0	72	85	77	78
	B ACCENT 75WG	0.031	LAA 12							
	C»COC	1.00	PMV 12							
	D 28% UAN	2.50	PMV 12							
8A»	TADS13169 20WP	0.25	LAA 12		0	0	80	83	82	77
	B ACCENT 75WG	0.023	LAA 12							
	C»COC	1.00	PMV 12							
	D 28% UAN	2.50	PMV 12							
9A»	TADS13169 20WP	0.38	LAA 12		3	0	80	83	78	80
	B ACCENT 75WG	0.023	LAA 12							
	C»COC	1.00	PMV 12							
	D 28% UAN	2.50	PMV 12							
10A	CHECK	0.00	NA 0		0	0	0	0	0	0
11A	BUCTRIL 2EC	0.38	LAA 12		0	0	65	75	77	72
12A»	TADS13400 2EC	0.25	LAA 12		0	0	53	67	55	60
13A»	TADS13407 4EC	0.25	LAA 12		0	0	60	78	78	75
14A»	TADS13400 2EC	0.25	LAA 12		0	0	53	70	63	63
	B»COC	1.00	PMV 12							
15A»	TADS13407 4EC	0.25	LAA 12		10	0	55	68	62	62
	B»COC	1.00	PMV 12							
16A	BUCTRIL 2EC	0.50	LAA 12		0	0	72	80	75	70
17A»	TADS13400 2EC	0.50	LAA 12		0	0	77	85	80	75
18A»	TADS13407 4EC	0.50	LAA 12		0	0	70	83	77	72
19A»	TADS13400 2EC	0.50	LAA 12		10	0	72	83	77	75
	B»COC	1.00	PMV 12							
20A»	TADS13407 4EC	0.50	LAA 12		13	2	68	83	80	72
	B»COC	1.00	PMV 12							
		LSD (0.05)			2.36	1.07	13.84	10.36	12.37	11.61
		STANDARD DEVIATION			1.17	0.527	6.85	5.13	6.12	5.74

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**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT	TREATMENT	DOSAGE		ZEAMD	AMACH	CHEAL	POLPY	PHBPU
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %
			TM	07/08/99	07/08/99	07/08/99	07/08/99	07/08/99
1A	BUCTRIL 2EC	0.25	LAA 12	0	48	67	60	62
2A	BUCTRIL 2EC	0.25	LAA 12	0	77	80	77	75
	B ACCENT 75WG	0.031	LAA 12					
	C»COC	1.00	PMV 12					
3A»	TADS13169 20WP	0.25	LAA 12	0	62	83	67	62
	B»COC	1.00	PMV 12					
4A»	TADS13169 20WP	0.38	LAA 12	0	57	75	68	63
	B»COC	1.00	PMV 12					
5A»	TADS13169 20WP	0.25	LAA 12	0	80	87	80	80
	B ACCENT 75WG	0.031	LAA 12					
	C»COC	1.00	PMV 12					
6A»	TADS13169 20WP	0.38	LAA 12	0	85	87	83	87
	B ACCENT 75WG	0.031	LAA 12					
	C»COC	1.00	PMV 12					
7A»	TADS13169 20WP	0.25	LAA 12	0	73	83	68	68
	B ACCENT 75WG	0.031	LAA 12					
	C»COC	1.00	PMV 12					
	D 28% UAN	2.50	PMV 12					
8A»	TADS13169 20WP	0.25	LAA 12	0	75	82	78	70
	B ACCENT 75WG	0.023	LAA 12					
	C»COC	1.00	PMV 12					
	D 28% UAN	2.50	PMV 12					
9A»	TADS13169 20WP	0.38	LAA 12	0	72	80	72	73
	B ACCENT 75WG	0.023	LAA 12					
	C»COC	1.00	PMV 12					
	D 28% UAN	2.50	PMV 12					
10A	CHECK	0.00	NA 0	0	0	0	0	0
11A	BUCTRIL 2EC	0.38	LAA 12	0	57	72	72	65
12A»	TADS13400 2EC	0.25	LAA 12	0	50	60	48	52
13A»	TADS13407 4EC	0.25	LAA 12	0	57	77	73	67
14A»	TADS13400 2EC	0.25	LAA 12	0	53	70	53	57
	B»COC	1.00	PMV 12					
15A»	TADS13407 4EC	0.25	LAA 12	0	62	68	62	57
	B»COC	1.00	PMV 12					
16A	BUCTRIL 2EC	0.50	LAA 12	0	68	75	70	67
17A»	TADS13400 2EC	0.50	LAA 12	0	68	83	78	72
18A»	TADS13407 4EC	0.50	LAA 12	0	68	83	75	65
19A»	TADS13400 2EC	0.50	LAA 12	0	73	80	70	72
	B»COC	1.00	PMV 12					
20A»	TADS13407 4EC	0.50	LAA 12	0	67	77	77	67
	B»COC	1.00	PMV 12					
		LSD (0.05)		0.00	13.84	12.61	11.69	13.64
		STANDARD DEVIATION		0.00	6.85	6.24	5.78	6.75

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING

## \* TIMING CODES

12 = ----- / POST 06/08/1999(1)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	ZEAMD	CON %	06/11/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	06/21/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMACH	CON %	06/21/1999	02	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/21/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/21/1999	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/21/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	07/08/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMACH	CON %	07/08/1999	02	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/08/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	POLPY	CON %	07/08/1999	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	07/08/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## \* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 592SR