

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE:  
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	05	07	09	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/07/99	04/30/99	05/01/99	AME
AIR TEMPERATURE	66	65	70	F
% REL. HUMIDITY	51	40	45	
WIND DIRECTION	SOUTH	NORTHEAST	EAST	
WIND SPEED	10.0	7.0	5.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	---	---	---	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	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		04/30/99		AME
INC. START		04:00		24H
INC. END		04:15		24H
INC. DEPTH		2		IN
INC. EQUIPMENT		CULTFIELD		
DEN/ STG/ MINMAXSZ				
*** CROP ***				
CORN, DENT		---/00		
DEKALB 589RR		/		IN
04/30/1999				

## \* TIMING CODES

05 = ----- / EPP 15DBP  
 07 = ----- / PREPLANT INCORPORATED  
 09 = ----- / PREEMERGENCE

## \* STAGE CODE

00 = DRY SEED (CARYOPSIS)

**TITLE:** CBALTILL INCORPORATION DEPTHS WITH BALANCE IN CORN AS-200  
**CREATED:** 04/05/1999 **REVISED:** 08/06/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	ZEAMD	SETFA	CHEAL	ABUTH	POLPY	
		RATE	UNIT		CON % 05/20/99	CON % 06/03/99	CON % 06/03/99	CON % 06/03/99	CON % 06/03/99	CON % 06/03/99	
1A	BALANCE 75WG	0.094	LAA	9	0	0	97	99	99	99	
B	BICEP II MAGNU	1.92	LAA	9							
2A	CHECK	0.00	NA	0	0	0	0	0	0	0	
3A	BICEP II MAGNU	2.88	LAA	5	0	0	89	98	73	91	
B	SHALLOW PPI	0.00	NA	0							
4A	BALANCE 75WG	0.094	LAA	5	0	0	80	90	96	95	
B	BICEP II MAGNU	1.92	LAA	5							
C	SHALLOW PPI	0.00	NA	0							
5A	BALANCE 75WG	0.094	LAA	5	0	0	89	98	98	99	
B	BICEP II MAGNU	1.92	LAA	5							
C	DEEP PPI	0.00	NA	0							
6A	BICEP II MAGNU	2.88	LAA	5	0	0	87	98	58	84	
B	DEEP PPI	0.00	NA	0							
7A	BICEP II MAGNU	2.88	LAA	9	0	0	97	99	87	99	
8A	BALANCE 75WG	0.094	LAA	9	0	0	97	99	98	96	
B	ATRAZINE DF	1.50	LAA	9							
9A	BALANCE 75WG	0.094	LAA	7	0	0	94	99	99	98	
B	BICEP II MAGNU	1.92	LAA	7							
C	SHALLOW PPI	0.00	NA	0							
10A	BICEP II MAGNU	2.88	LAA	7	0	0	92	97	79	93	
B	SHALLOW PPI	0.00	NA	0							
11A	BALANCE 75WG	0.094	LAA	5	0	0	91	99	98	99	
B	ATRAZINE DF	1.50	LAA	5							
C	SHALLOW PPI	0.00	NA	0							
12A	BALANCE 75WG	0.094	LAA	7	0	0	89	99	99	98	
B	ATRAZINE DF	1.50	LAA	7							
C	SHALLOW PPI	0.00	NA	0							
13A	BALANCE 75WG	0.094	LAA	7	0	0	96	99	98	99	
B	BICEP II MAGNU	1.92	LAA	7							
C	DEEP PPI	0.00	NA	0							
14A	BICEP II MAGNU	2.88	LAA	7	0	0	92	99	75	97	
B	DEEP PPI	0.00	NA	0							
15A	BALANCE 75WG	0.094	LAA	5	0	0	84	99	98	98	
B	ATRAZINE DF	1.50	LAA	5							
C	DEEP PPI	0.00	NA	0							
16A	BALANCE 75WG	0.094	LAA	7	0	0	90	99	99	99	
B	ATRAZINE DF	1.50	LAA	7							
C	DEEP PPI	0.00	NA	0							
					LSD (0.05)	0.00	0.00	5.61	4.38	4.94	6.13
					STANDARD DEVIATION	0.00	0.00	2.75	2.15	2.42	3.00

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**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	ZEAMD	SETFA	CHEAL	ABUTH	POLPY
		RATE	UNIT		CON % 06/03/99	CON % 07/03/99	CON % 07/03/99	CON % 07/03/99	CON % 07/03/99	CON % 07/03/99
1A»	BALANCE 75WG	0.094	LAA	9	96	0	99	99	99	99
B»	BICEP II MAGNU	1.92	LAA	9						
2A	CHECK	0.00	NA	0	0	0	0	0	0	0
3A»	BICEP II MAGNU	2.88	LAA	5	72	0	84	78	40	94
B»	SHALLOW PPI	0.00	NA	0						
4A»	BALANCE 75WG	0.094	LAA	5	78	0	85	90	97	94
B»	BICEP II MAGNU	1.92	LAA	5						
C»	SHALLOW PPI	0.00	NA	0						
5A»	BALANCE 75WG	0.094	LAA	5	90	0	94	94	98	96
B»	BICEP II MAGNU	1.92	LAA	5						
C»	DEEP PPI	0.00	NA	0						
6A»	BICEP II MAGNU	2.88	LAA	5	65	0	83	82	47	91
B»	DEEP PPI	0.00	NA	0						
7A»	BICEP II MAGNU	2.88	LAA	9	90	0	98	99	57	99
8A»	BALANCE 75WG	0.094	LAA	9	93	0	93	99	99	99
B	ATRAZINE DF	1.50	LAA	9						
9A»	BALANCE 75WG	0.094	LAA	7	93	0	96	99	99	99
B»	BICEP II MAGNU	1.92	LAA	7						
C»	SHALLOW PPI	0.00	NA	0						
10A»	BICEP II MAGNU	2.88	LAA	7	78	0	90	99	53	99
B»	SHALLOW PPI	0.00	NA	0						
11A»	BALANCE 75WG	0.094	LAA	5	93	0	86	99	99	99
B	ATRAZINE DF	1.50	LAA	5						
C»	SHALLOW PPI	0.00	NA	0						
12A»	BALANCE 75WG	0.094	LAA	7	92	0	78	99	99	99
B	ATRAZINE DF	1.50	LAA	7						
C»	SHALLOW PPI	0.00	NA	0						
13A»	BALANCE 75WG	0.094	LAA	7	92	0	98	99	99	99
B»	BICEP II MAGNU	1.92	LAA	7						
C»	DEEP PPI	0.00	NA	0						
14A»	BICEP II MAGNU	2.88	LAA	7	75	0	97	99	63	99
B»	DEEP PPI	0.00	NA	0						
15A»	BALANCE 75WG	0.094	LAA	5	88	0	90	99	98	99
B	ATRAZINE DF	1.50	LAA	5						
C»	DEEP PPI	0.00	NA	0						
16A»	BALANCE 75WG	0.094	LAA	7	94	0	93	99	99	99
B	ATRAZINE DF	1.50	LAA	7						
C»	DEEP PPI	0.00	NA	0						
LSD (0.05)					5.29	0.00	6.40	4.36	5.80	3.59
STANDARD DEVIATION					2.59	0.00	3.14	2.14	2.84	1.76

**TITLE:** CBALTILL INCORPORATION DEPTHS WITH BALANCE IN CORN AS-200  
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**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU CON % 07/03/99
		RATE	UNIT		
1A	BALANCE 75WG	0.094	LAA	9	89
B	BICEP II MAGNU	1.92	LAA	9	
2A	CHECK	0.00	NA	0	0
3A	BICEP II MAGNU	2.88	LAA	5	60
B	SHALLOW PPI	0.00	NA	0	
4A	BALANCE 75WG	0.094	LAA	5	70
B	BICEP II MAGNU	1.92	LAA	5	
C	SHALLOW PPI	0.00	NA	0	
5A	BALANCE 75WG	0.094	LAA	5	86
B	BICEP II MAGNU	1.92	LAA	5	
C	DEEP PPI	0.00	NA	0	
6A	BICEP II MAGNU	2.88	LAA	5	60
B	DEEP PPI	0.00	NA	0	
7A	BICEP II MAGNU	2.88	LAA	9	86
8A	BALANCE 75WG	0.094	LAA	9	92
B	ATRAZINE DF	1.50	LAA	9	
9A	BALANCE 75WG	0.094	LAA	7	92
B	BICEP II MAGNU	1.92	LAA	7	
C	SHALLOW PPI	0.00	NA	0	
10A	BICEP II MAGNU	2.88	LAA	7	78
B	SHALLOW PPI	0.00	NA	0	
11A	BALANCE 75WG	0.094	LAA	5	84
B	ATRAZINE DF	1.50	LAA	5	
C	SHALLOW PPI	0.00	NA	0	
12A	BALANCE 75WG	0.094	LAA	7	90
B	ATRAZINE DF	1.50	LAA	7	
C	SHALLOW PPI	0.00	NA	0	
13A	BALANCE 75WG	0.094	LAA	7	93
B	BICEP II MAGNU	1.92	LAA	7	
C	DEEP PPI	0.00	NA	0	
14A	BICEP II MAGNU	2.88	LAA	7	68
B	DEEP PPI	0.00	NA	0	
15A	BALANCE 75WG	0.094	LAA	5	83
B	ATRAZINE DF	1.50	LAA	5	
C	DEEP PPI	0.00	NA	0	
16A	BALANCE 75WG	0.094	LAA	7	91
B	ATRAZINE DF	1.50	LAA	7	
C	DEEP PPI	0.00	NA	0	
		LSD (0.05)			9.00
		STANDARD DEVIATION			4.43

>> = SUPPLEMENTAL CHEMICAL

**\* TIMING CODES**

00 = ----- / UNTREATED TIMING  
 05 = ----- / EPP 15DBP 04/07/1999 (1)  
 07 = ----- / PREPLANT INCORPORATED 04/30/1999 (2)  
 09 = ----- / PREEMERGENCE 05/01/1999 (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 %	05/20/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
002	ZEAMD	CON %	06/03/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/03/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/03/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/03/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY	CON %	06/03/1999	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/03/1999	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	07/03/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/03/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/03/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/03/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	CON %	07/03/1999	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	07/03/1999	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 589RR