

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: 6

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	05	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/07/99	05/28/99	06/07/99	06/11/99	AME
AIR TEMPERATURE	66	75	85	85	F
% REL.HUMIDITY	51	56	62	77	
WIND DIRECTION	SOUTH	WEST	SOUTHWEST	SOUTH	
WIND SPEED	10.0	3.0	7.0	2.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	OVERCAST	
DEW	---	NO	NO	NO	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT					
DENSITY /					
*** CROP ***					
CORN, DENT		---/13	---/15	---/16	
DEKALB 589RR		6.00/8.00	16.0/16.0	22.0/22.0	IN
04/30/1999					
*** PEST ***					
VELVETLEAF		---/12	---/15	---/17	
		1.00/2.00	2.00/4.00	3.00/6.00	IN
LAMBSQUARTERS, C		---/15	---/18	---/19	
		1.00/2.00	2.00/4.00	3.00/6.00	IN
MORNINGGLORY, TA		---/11	---/14	---/17	
		1.00/1.00	1.00/2.00	2.00/3.00	IN
SMARTWEED, PENNS		---/15	---/18	---/19	
		2.00/2.00	3.00/5.00	4.00/6.00	IN
FOXTAIL, GIANT		---/12	---/13	---/14	
		1.00/3.00	3.00/6.00	4.00/8.00	IN

\* TIMING CODES

05 = ----- / EPP 15DBP  
 11 = ----- / EPOST  
 12 = ----- / POST  
 13 = ----- / LPOST

\* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2 LEAVES UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** CNOVRRPG RESIDUAL HERBICIDES FOR WD CONTROL RRCORN AS-200  
**CREATED:** 04/05/1999 **REVISED:** 10/05/1999 **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:** 06

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD	ZEAMD	SETFA	CHEAL	POLPY	ABUTH
	RATE	UNIT		CON % 05/20/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99
1A»BICEP II MAGNU	3.20	LAA	5	0	0	76	98	51	30
2A»BICEP II MAGNU	3.20	LAA	5	0	0	96	99	98	96
B ROUNDUP ULTRA	0.75	LAA	11						
C AM. SULFATE	8.50	PMG	11						
3A»BICEP II MAGNU	3.20	LAA	5	0	0	99	98	71	99
B ROUNDUP ULTRA	0.75	LAA	12						
C AM. SULFATE	8.50	PMG	12						
4A»BICEP II MAGNU	3.20	LAA	5	0	0	82	99	63	59
B ROUNDUP ULTRA	0.75	LAA	13						
C AM. SULFATE	8.50	PMG	13						
5A»BICEP II MAGNU	3.20	LAA	5	0	15	77	98	70	65
B»NORTHSTAR 47.4	0.148	LAA	12						
C»ACTIVATE PLUS	0.25	PMV	12						
D 28% UAN	2.50	PMV	12						
6A ROUNDUP ULTRA	0.75	LAA	11	0	0	68	60	70	58
B AM. SULFATE	8.50	PMG	11						
7A CHECK	0.00	NA	0	0	0	0	0	0	0
8A ROUNDUP ULTRA	0.75	LAA	12	0	0	99	98	52	98
B AM. SULFATE	8.50	PMG	12						
9A ROUNDUP ULTRA	0.75	LAA	13	0	0	60	84	30	80
B AM. SULFATE	8.50	PMG	13						
10A»BICEP LITE II	1.97	LAA	5	0	0	99	99	82	99
B ROUNDUP ULTRA	0.75	LAA	12						
C AM. SULFATE	8.50	PMG	12						
11A»BICEP LITE II	1.31	LAA	5	0	0	99	99	71	99
B ROUNDUP ULTRA	0.75	LAA	12						
C AM. SULFATE	8.50	PMG	12						
12A»HAND WEEDED	0.00	NA	0	0	0	99	99	99	99
		LSD (0.05)		0.00	0.00	2.67	2.45	10.06	2.66
		STANDARD DEVIATION		0.00	0.00	1.34	1.23	5.00	1.33

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 CREATED: 04/05/1999 REVISED: 10/05/1999 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: 06

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU CON % 06/17/99	ZEAMD CON % 07/07/99	SETFA CON % 07/07/99	CHEAL CON % 07/07/99	POLPY CON % 07/07/99	ABUTH CON % 07/07/99
		RATE	UNIT							
1A	BICEP II MAGNU	3.20	LAA	5	30	0	75	99	99	40
2A	BICEP II MAGNU	3.20	LAA	5	88	0	91	99	99	85
	B ROUNDUP ULTRA	0.75	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
3A	BICEP II MAGNU	3.20	LAA	5	87	0	99	99	99	99
	B ROUNDUP ULTRA	0.75	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
4A	BICEP II MAGNU	3.20	LAA	5	45	0	99	99	99	99
	B ROUNDUP ULTRA	0.75	LAA	13						
	C AM. SULFATE	8.50	PMG	13						
5A	BICEP II MAGNU	3.20	LAA	5	62	0	88	99	99	99
	B NORTHSTAR 47.4	0.148	LAA	12						
	C ACTIVATE PLUS	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						
6A	ROUNDUP ULTRA	0.75	LAA	11	57	0	62	77	64	58
	B AM. SULFATE	8.50	PMG	11						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A	ROUNDUP ULTRA	0.75	LAA	12	42	0	93	99	99	99
	B AM. SULFATE	8.50	PMG	12						
9A	ROUNDUP ULTRA	0.75	LAA	13	30	0	97	97	95	97
	B AM. SULFATE	8.50	PMG	13						
10A	BICEP LITE II	1.97	LAA	5	84	0	98	99	99	99
	B ROUNDUP ULTRA	0.75	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
11A	BICEP LITE II	1.31	LAA	5	77	0	97	99	99	97
	B ROUNDUP ULTRA	0.75	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
12A	HAND WEEDED	0.00	NA	0	99	0	99	99	99	99
			LSD (0.05)		7.81	0.00	4.15	2.30	3.28	4.43
			STANDARD DEVIATION		3.90	0.00	2.08	1.15	1.64	2.21

**TITLE:** CNOVRRPG RESIDUAL HERBICIDES FOR WD CONTROL RRCORN AS-200  
**CREATED:** 04/05/1999 **REVISED:** 10/05/1999 **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:** 06

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	PHBPU CON % 07/07/99	YIELD BU/A 09/21/99
1A»BICEP II MAGNU	3.20	LAA	5	50	211.6
2A»BICEP II MAGNU	3.20	LAA	5	79	213.9
B ROUNDUP ULTRA	0.75	LAA	11		
C AM. SULFATE	8.50	PMG	11		
3A»BICEP II MAGNU	3.20	LAA	5	93	217.2
B ROUNDUP ULTRA	0.75	LAA	12		
C AM. SULFATE	8.50	PMG	12		
4A»BICEP II MAGNU	3.20	LAA	5	97	210.8
B ROUNDUP ULTRA	0.75	LAA	13		
C AM. SULFATE	8.50	PMG	13		
5A»BICEP II MAGNU	3.20	LAA	5	90	202.7
B»NORTHSTAR 47.4	0.148	LAA	12		
C»ACTIVATE PLUS	0.25	PMV	12		
D 28% UAN	2.50	PMV	12		
6A ROUNDUP ULTRA	0.75	LAA	11	53	212.1
B AM. SULFATE	8.50	PMG	11		
7A CHECK	0.00	NA	0	0	188.5
8A ROUNDUP ULTRA	0.75	LAA	12	89	209.1
B AM. SULFATE	8.50	PMG	12		
9A ROUNDUP ULTRA	0.75	LAA	13	92	203.9
B AM. SULFATE	8.50	PMG	13		
10A»BICEP LITE II	1.97	LAA	5	94	210.2
B ROUNDUP ULTRA	0.75	LAA	12		
C AM. SULFATE	8.50	PMG	12		
11A»BICEP LITE II	1.31	LAA	5	94	210.3
B ROUNDUP ULTRA	0.75	LAA	12		
C AM. SULFATE	8.50	PMG	12		
12A»HAND WEEDED	0.00	NA	0	99	213.6
				LSD (0.05)	5.48 8.37
				STANDARD DEVIATION	2.74 4.19

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 05 = ----- / EPP 15DBP 04/07/1999(1)  
 11 = ----- / EPOST 05/28/1999(2)  
 12 = ----- / POST 06/07/1999(3)  
 13 = ----- / LPOST 06/11/1999(4)

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 %	05/20/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	06/17/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/17/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/17/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/17/1999	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/17/1999	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/17/1999	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	07/07/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/07/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/07/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	POLPY	CON %	07/07/1999	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/07/1999	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: CNOVRRPG RESIDUAL HERBICIDES FOR WD CONTROL RRCORN AS-200

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
013	PHBPU	CON %	07/07/1999	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	YIELD	BU/A	09/21/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 589RR