

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.3  
 %OM: 6.0  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE:  
 PLOT WIDTH: 10 X 33 FEET

DESIGN: RCB  
 REPS: 6

APPL. NUMBER	01	02	03	04	05	06	UNIT
TIMINGS	04	05	10	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/12/99	04/26/99	05/25/99	06/04/99	06/09/99	06/15/99	AME
AIR TEMPERATURE	52	60	67	71	82	71	F
% REL.HUMIDITY	68	71	32	78	71	45	
WIND DIRECTION	NORTH	SOUTH	WEST	SOUTHEAST	SOUTHEAST	NORTHEAST	
WIND SPEED	7.0	8.0	12.0	7.0	3.0	6.0	M/H
CLOUD COVER	PARTCLDY	CLOUDY	CLEAR	CLOUDY	PARTCLDY	CLOUDY	
DEW	NO	NO	NO	NO	NO	NO	
SOIL MOISTURE	MOIST/WET	MOIST/MOI	DRY/MOIST	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	GPA	
PRESSURE	40.00	32.00	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	WATER	
INC. DATE							AME
INC. START							24H
INC. END							24H
INC. DEPTH							IN
INC. EQUIPMENT							
DENSITY /							
*** CROP ***							
CORN, DENT			---/11	---/13	---/14	---/16	
DEKALB 545RR			4.00/4.00	8.00/8.00	12.0/14.0	20.0/24.0	IN
05/07/1999							
*** PEST ***							
VELVETLEAF			---/11	---/12	---/14	---/16	
LAMBSQUARTERS, C			1.00/1.00	1.00/2.00	3.00/5.00	6.00/8.00	IN
MORNINGGLORY, IV			---/13	---/15	---/19	---/19	
FOXTAIL, GIANT			0.50/0.50	1.00/1.00	2.00/4.00	4.00/8.00	IN
			---/11	---/13	---/16	---/19	
			1.00/1.00	1.00/2.00	2.00/4.00	3.00/6.00	IN
			---/12	---/13	---/14	---/15	
			0.25/0.75	2.00/3.00	4.00/6.00	8.00/12.0	IN

\* TIMING CODES

04 = ----- / EPP 30DBP  
 05 = ----- / EPP 15DBP  
 10 = ----- / VEPOST  
 11 = ----- / EPOST  
 12 = ----- / POST  
 13 = ----- / LPOST

\* STAGE CODE

11 = FIRST LEAF UNFOLDED  
 12 = 2 LEAVES UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** EPPRRCRN WEED MANAGEMENT IN ROUNDUP-READY CORN  
**CREATED:** 04/06/1999 **REVISED:** 11/10/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**PROJECT#1:** MNTH 901  
**LOCATION:** MONMOUTH **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 33.00 FT **LONG** **REPS:** 06

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	ABUTH	CHEAL	IPOHE	YIELD
		RATE	UNIT	TM	CON % 06/24/99	CON % 06/24/99	CON % 06/24/99	CON % 06/24/99	CON % 06/24/99	BU/A 09/17/99
1A	DUAL II MAGNUM	1.60	LAA	4	0	96	88	85	86	184.0
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
2A	HARNESS (7EC)	2.00	LAA	4	0	93	91	85	90	181.4
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
3A	BICEP LITE II	2.45	LAA	4	0	99	96	98	95	191.1
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
4A	HARNESS EXTRA	3.50	LAA	4	0	98	95	96	95	190.6
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
5A	FRONTIER 6.0EC	1.50	LAA	4	0	81	88	88	99	184.5
	B MARKSMAN SC	1.40	LAA	10						
	C 28% UAN	2.00	PMV	10						
6A	BALANCE 75WG	0.094	LAA	5	0	98	99	99	98	189.7
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
7A	BICEP LITE II	2.45	LAA	4	0	88	98	95	97	185.8
	B SPIRIT 57WG	0.036	LAA	11						
	C COC	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
8A	ROUNDUP ULTRA	0.56	LAA	11	0	95	91	98	99	192.1
	B BICEP LITE II	1.23	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
9A	ROUNDUP ULTRA	0.56	LAA	11	0	96	90	99	88	174.9
	B HARNESS EXTRA	1.75	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
10A	HAND WEEDED	0.00	NA	5	0	99	99	99	99	175.2
	B HARNESS XTRA	3.50	LAA	5						
11A	CHECK	0.00	NA	0	0	0	0	0	0	160.8
12A	GUARDSMAN 5SE	0.94	LAA	5	0	94	83	98	88	192.1
	B BASIS GOLD 90D	0.78	LAA	11						
	C COC	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
13A	ROUNDUP ULTRA	0.75	LAA	11	0	82	89	88	83	187.5
	B AM. SULFATE	8.50	PMG	11						
14A	ROUNDUP ULTRA	0.75	LAA	12	0	90	92	92	96	185.3
	B AM. SULFATE	8.50	PMG	12						
15A	ROUNDUP ULTRA	0.75	LAA	13	5	99	98	96	98	179.1
	B AM. SULFATE	8.50	PMG	13						
16A	ROUNDUP ULTRA	0.56	LAA	11	0	98	98	96	94	187.2
	B AM. SULFATE	8.50	PMG	11						
	C ROUNDUP ULTRA	0.56	LAA	13						
	D AM. SULFATE	8.50	PMG	13						
		LSD (0.05)			1.28	4.25	4.13	5.85	3.61	15.64
		STANDARD DEVIATION			0.646	2.14	2.09	3.00	1.82	7.90

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING

## \* TIMING CODES

04 = ----- / EPP 30DBP 04/12/1999(1)  
 05 = ----- / EPP 15DBP 04/26/1999(2)  
 10 = ----- / VEPOST 05/25/1999(3)  
 11 = ----- / EPOST 06/04/1999(4)  
 12 = ----- / POST 06/09/1999(5)  
 13 = ----- / LPOST 06/15/1999(6)

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 %	06/24/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/24/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	06/24/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/24/1999	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	IPOHE	CON %	06/24/1999	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	YIELD	BU/A	09/17/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = DEKALB 545RR