

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.0  
 %OM: 6.0  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE:  
 PLOT WIDTH: 10 X 35 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	04/07/99	04/29/99	06/01/99	06/10/99	06/15/99	06/24/99	AME
AIR TEMPERATURE	73	62	76	90	63	83	F
% REL.HUMIDITY	32	42	68	50	50	74	
WIND DIRECTION	SOUTH	NORTHEAST	WEST	WEST	WEST	NORTHWEST	
WIND SPEED	8.0	10.0	10.0	10.0	2.0	2.0	M/H
CLOUD COVER	CLOUDY	CLEAR	CLOUDY	PARTCLDY	CLOUDY	PARTCLDY	
DEW	---	---	NO	NO	NO	NO	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	MOIST/MOI	DRY/MOIST	WET/MOIST	MOIST/MOI	
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			---/12	---/14	---/15	---/18	
DEKALB 589RR			4.00/4.00	10.0/12.0	12.0/14.0	22.0/24.0	IN
05/16/1999							
*** PEST ***							
VELVETLEAF			---/10	---/13	---/15	---/17	
			0.50/1.00	2.00/3.00	3.00/5.00	7.00/10.0	IN
PIGWEEED, REDROOT			---/11	---/14	---/18	---/19	
			1.00/1.00	1.00/2.00	3.00/5.00	5.00/7.00	IN
LAMBSQUARTERS, C			---/11	---/14	---/19	---/19	
			0.50/0.50	1.00/1.00	2.00/3.00	6.00/8.00	IN
FOXTAIL, GIANT			---/12	---/13	---/14	---/15	
			0.50/1.00	3.00/5.00	4.00/7.00	8.00/12.0	IN

\* TIMING CODES

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

\* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2 LEAVES UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 15 = 5 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:** EPPRCRN WEED MANAGEMENT IN ROUNDUP-READY CORN SW 12,1300  
**CREATED:** 03/30/1999 **REVISED:** 09/22/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**PROJECT#1:** DK 601  
**LOCATION:** DEKALB **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 35.00 FT **LONG** **REPS:** 06

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	AMARE	CHEAL	YIELD
		RATE	UNIT		CON % 07/01/99	CON % 07/01/99	CON % 07/01/99	CON % 07/01/99	CON % 07/01/99	BU/A 10/19/99
1A	DUAL II MAGNUM	1.60	LAA	4	0	97	91	97	98	170
B	ROUNDUP ULTRA	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
2A	HARNESS (7EC)	2.00	LAA	4	0	95	95	99	99	177
B	ROUNDUP ULTRA	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
3A	BICEP LITE II	2.45	LAA	4	1	96	92	98	99	172
B	ROUNDUP ULTRA	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
4A	HARNESS EXTRA	3.50	LAA	4	1	95	94	99	99	180
B	ROUNDUP ULTRA	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
5A	FRONTIER 6.0EC	1.50	LAA	4	0	59	78	96	98	168
B	MARKSMAN SC	1.40	LAA	10						
C	28% UAN	2.00	PMV	10						
6A	BALANCE 75WG	0.094	LAA	5	6	96	95	98	99	162
B	ROUNDUP ULTRA	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
7A	BICEP LITE II	2.45	LAA	4	1	83	94	99	99	167
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	1	98	83	97	95	175
B	BICEP LITE II	1.23	LAA	11						
C	AM. SULFATE	8.50	PMG	11						
9A	ROUNDUP ULTRA	0.56	LAA	11	2	96	88	98	97	178
B	HARNESS EXTRA	1.75	LAA	11						
C	AM. SULFATE	8.50	PMG	11						
10A	HAND WEEDED	0.00	NA	0	0	99	99	99	99	174
11A	CHECK	0.00	NA	0	0	0	0	0	0	142
12A	GUARDSMAN 5SE	0.94	LAA	5	1	89	82	97	98	170
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	88	83	93	90	170
B	AM. SULFATE	8.50	PMG	11						
14A	ROUNDUP ULTRA	0.75	LAA	12	0	99	92	99	99	172
B	AM. SULFATE	8.50	PMG	12						
15A	ROUNDUP ULTRA	0.75	LAA	13	12	99	93	98	99	151
B	AM. SULFATE	8.50	PMG	13						
16A	ROUNDUP ULTRA	0.56	LAA	11	3	98	97	99	99	170
B	AM. SULFATE	8.50	PMG	11						
C	ROUNDUP ULTRA	0.56	LAA	13						
D	AM. SULFATE	8.50	PMG	13						
LSD (0.05)					4.36	6.00	5.44	2.70	3.00	12.29
STANDARD DEVIATION					2.20	3.00	2.75	1.36	1.49	6.21

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING

## \* TIMING CODES

04 = ----- / EPP 30DBP 04/07/1999(1)  
 05 = ----- / EPP 15DBP 04/29/1999(2)  
 10 = ----- / VEPOST 06/01/1999(3)  
 11 = ----- / EPOST 06/10/1999(4)  
 12 = ----- / POST 06/15/1999(5)  
 13 = ----- / LPOST 06/24/1999(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 %	07/01/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/01/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	07/01/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMARE	CON %	07/01/1999	04	P	AMARE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	07/01/1999	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	YIELD	BU/A	10/19/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = DEKALB 589RR