

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.8  
 %OM: 5.9  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 32 FEET

DESIGN: RCB  
 REPS: 4

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/07/99	05/21/99	06/01/99	06/09/99	AME
AIR TEMPERATURE	63	77	82	87	F
% REL.HUMIDITY	55	63	65	65	
WIND DIRECTION	SOUTHWEST	SOUTH	NORTHWEST	SOUTH	
WIND SPEED	10.0	7.0	5.0	3.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	PARTCLDY	CLEAR	
DEW	---	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	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	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	---/NA	---/11	---/13	---/15	
DEKALB 589RR	/	2.00/3.00	10.0/10.0	6.00/6.00	IN
05/05/1999					
*** PEST ***					
LAMBSQUARTERS, C	---/NA	---/13	---/15	---/18	
	/	1.00/1.00	1.00/2.00	2.00/4.00	IN
MORNINGGLORY, TA	---/NA	---/11	---/13	---/16	
	/	1.00/1.00	1.00/2.00	2.00/4.00	IN
SMARTWEED, PENNS	---/NA	---/11	---/13	---/16	
	/	1.00/1.00	1.00/2.00	2.00/4.00	IN
FOXTAIL, GIANT	---/NA	---/12	---/13	---/14	
	/	1.00/1.00	2.00/4.00	3.00/6.00	IN

\* TIMING CODES

09 = ----- / PREEMERGENCE  
 10 = ----- / VEPOST  
 11 = ----- / EPOST  
 12 = ----- / POST

\* 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  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 NA = NOT APPLICABLE / NOT AVAILABLE

**TITLE:** CSCOUT POSTEMERGENCE WEED CONTROL BENEFITS IN CORN M-17E  
**CREATED:** 04/13/1999 **REVISED:** 11/02/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 32.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	PHBPU	ZEAMD
		RATE	UNIT		CON % 05/07/99	CON % 05/07/99	CON % 05/07/99	CON % 05/07/99	CON % 05/07/99	CON % 06/19/99
1A»	BICEP II MAGNU	3.25	LAA	9	0	97	99	96	90	0
2A»	BICEP II MAGNU	0.90	LAA	9	0	86	74	60	50	0
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	LAA	11						
3A»	BASIS GOLD 90D	0.79	LAA	11	0	0	0	0	0	0
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	LAA	11						
4A»	HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A	BASIS (75WG)	0.023	LAA	10	0	0	0	0	0	0
	B ATRAZINE DF	0.75	LAA	10						
	C»COC	1.00	PMV	10						
	D 28% UAN	2.50	PMV	10						
	E»CULTIVATE 14DA	0.00	NA	0						
7A»	BICEP II MAGNU	3.25	LAA	9	0	98	99	95	86	0
	B»CULTIVATE 14DA	0.00	NA	0						
8A»	BICEP II MAGNU	3.25	LAA	9	0	97	99	90	79	6
	B»SCOUT / DECIDE	0.00	NA	0						
	C BUCTRIL 2EC	0.25	LAA	12						
9A»	DUAL II MAGNUM	1.43	LAA	9	0	99	69	38	0	0
	B»SCOUT / DECIDE	0.00	NA	0						
	C MARKSMAN SC	0.80	LAA	12						
10A	ACCENT 75WG	0.031	LAA	12	0	0	0	0	0	0
	B»ACTIVATE PLUS	0.25	PMV	12						
	C 28% UAN	2.00	PMV	12						
	D»SCOUT / DECIDE	0.00	NA	0						
	E MARKSMAN SC	0.80	LAA	12						
LSD (0.05)					0.00	2.79	3.80	6.17	5.51	1.15
STANDARD DEVIATION					0.00	1.36	1.85	3.00	2.68	0.559

**TITLE:** CSCOUT POSTEMERGENCE WEED CONTROL BENEFITS IN CORN M-17E  
**CREATED:** 04/13/1999 **REVISED:** 11/02/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 32.00 FT LONG **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	CHEAL	POLPY	PHBPU	ZEAMD	SETFA
		RATE	UNIT		CON % 06/19/99	CON % 06/19/99	CON % 06/19/99	CON % 06/19/99	CON % 07/05/99	CON % 07/05/99
1A»	BICEP II MAGNU	3.25	LAA	9	94	99	92	79	0	93
2A»	BICEP II MAGNU	0.90	LAA	9	99	99	99	92	0	99
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	LAA	11						
3A»	BASIS GOLD 90D	0.79	LAA	11	97	97	98	89	0	94
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	LAA	11						
4A»	HAND WEEDED	0.00	NA	0	99	99	99	99	0	99
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A	BASIS (75WG)	0.023	LAA	10	99	99	99	95	0	94
	B ATRAZINE DF	0.75	LAA	10						
	C»COC	1.00	PMV	10						
	D 28% UAN	2.50	PMV	10						
	E»CULTIVATE 14DA	0.00	NA	0						
7A»	BICEP II MAGNU	3.25	LAA	9	99	99	99	99	0	99
	B»CULTIVATE 14DA	0.00	NA	0						
8A»	BICEP II MAGNU	3.25	LAA	9	96	99	99	99	0	92
	B»SCOUT / DECIDE	0.00	NA	0						
	C BUCTRIL 2EC	0.25	LAA	12						
9A»	DUAL II MAGNUM	1.43	LAA	9	99	99	99	99	0	99
	B»SCOUT / DECIDE	0.00	NA	0						
	C MARKSMAN SC	0.80	LAA	12						
10A	ACCENT 75WG	0.031	LAA	12	95	99	99	99	0	90
	B»ACTIVATE PLUS	0.25	PMV	12						
	C 28% UAN	2.00	PMV	12						
	D»SCOUT / DECIDE	0.00	NA	0						
	E MARKSMAN SC	0.80	LAA	12						
		LSD (0.05)			1.56	0.879	1.41	4.28	0.00	3.00
		STANDARD DEVIATION			0.761	0.428	0.686	2.09	0.00	1.45

**TITLE:** CSCOUT POSTEMERGENCE WEED CONTROL BENEFITS IN CORN M-17E  
**CREATED:** 04/13/1999 **REVISED:** 11/02/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 32.00 FT LONG **REPS:** 04

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	CHEAL CON % 07/05/99	POLPY CON % 07/05/99	PHBPU CON % 07/05/99	YIELD BU/A 09/17/99
1A»BICEP II MAGNU	3.25	LAA	9	97	95	68	193.2
2A»BICEP II MAGNU	0.90	LAA	9	99	95	89	191.1
B»BASIS GOLD 90D	0.79	LAA	11				
C»COC	1.00	PMV	11				
D 28% UAN	2.50	LAA	11				
3A»BASIS GOLD 90D	0.79	LAA	11	89	95	83	191.2
B»COC	1.00	PMV	11				
C 28% UAN	2.50	LAA	11				
4A»HAND WEEDED	0.00	NA	0	99	99	99	190.8
5A CHECK	0.00	NA	0	0	0	0	154.6
6A BASIS (75WG)	0.023	LAA	10	99	99	90	196.5
B ATRAZINE DF	0.75	LAA	10				
C»COC	1.00	PMV	10				
D 28% UAN	2.50	PMV	10				
E»CULTIVATE 14DA	0.00	NA	0				
7A»BICEP II MAGNU	3.25	LAA	9	99	99	89	196.9
B»CULTIVATE 14DA	0.00	NA	0				
8A»BICEP II MAGNU	3.25	LAA	9	99	99	90	190.9
B»SCOUT / DECIDE	0.00	NA	0				
C BUCTRIL 2EC	0.25	LAA	12				
9A»DUAL II MAGNUM	1.43	LAA	9	99	99	96	185.2
B»SCOUT / DECIDE	0.00	NA	0				
C MARKSMAN SC	0.80	LAA	12				
10A ACCENT 75WG	0.031	LAA	12	99	99	94	179.2
B»ACTIVATE PLUS	0.25	PMV	12				
C 28% UAN	2.00	PMV	12				
D»SCOUT / DECIDE	0.00	NA	0				
E MARKSMAN SC	0.80	LAA	12				
		LSD (0.05)		1.46	2.09	5.48	12.72
		STANDARD DEVIATION		0.711	1.00	2.67	6.20

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/07/1999(1)  
 10 = ----- / VEPOST 05/21/1999(2)  
 11 = ----- / EPOST 06/01/1999(3)  
 12 = ----- / POST 06/09/1999(4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	05/07/1999	01	P	ZEAMD	NA	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/07/1999	02	P	SETFA	NA	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/07/1999	03	P	CHEAL	NA	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	05/07/1999	04	P	POLPY	NA	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	05/07/1999	05	P	PHBPU	NA	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/19/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/19/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	06/19/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	POLPY	CON %	06/19/1999	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/19/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	07/05/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/05/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	CHEAL	CON %	07/05/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	POLPY	CON %	07/05/1999	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## TITLE: CSCOUT POSTEMERGENCE WEED CONTROL BENEFITS IN CORN M-17E

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
015	PHBPU	CON %	07/05/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	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 589RR

## \* STAGE CODE

NA = NOT APPLICABLE / NOT AVAILABLE