

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.2  
 %OM: 6.0  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: 20  
 PLOT WIDTH: 10 X 33 FEET

DESIGN: RCB  
 REPS: 4

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/29/03	06/16/03	AME
AIR TEMPERATURE	72	81	F
% REL. HUMIDITY	48	36	
WIND DIRECTION	WEST	SOUTHWEST	
WIND SPEED	5.0	5.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/DRY	DRY/MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	15.00	15.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** PEST ***			
VELVETLEAF		MED/13 2.00/2.00	IN
RAGWEED, GIANT		HGH/18 6.00/8.00	IN
CORN, DENT	---/01		
ASGROW 718 RR/YG	/		IN
04/28/2003			

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
 12 = ----- / POST

## \* STAGE CODE

01 = BEGINNING OF IMBIBITION  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Preemergence Mesotrione Atrazine Factorial SW - 1600  
**CREATED:** 04/17/2003 **REVISED:** 01/09/2004 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** DEKALB **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 33.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	AMBTR	ABUTH	AMBTR	ABUTH	ZEAMD
		RATE	UNIT		CON % 05/28/03	CON % 05/28/03	CON % 05/28/03	CNT NUM 05/28/03	CNT NUM 05/28/03	CON % 06/17/03
1A	CHECK	0.00	NA	0	0	0	0	48	15	0
	B»DUAL II MAGNUM	1.59	LAA	9						
2A	ATRAZINE DF	0.25	LAA	9	0	0	0	29	11	0
	B»DUAL II MAGNUM	1.59	LAA	9						
3A	ATRAZINE DF	0.50	LAA	9	0	0	0	25	17	0
	B»DUAL II MAGNUM	1.59	LAA	9						
4A	ATRAZINE DF	1.00	LAA	9	0	33	33	22	6	0
	B»DUAL II MAGNUM	1.59	LAA	9						
5A	ATRAZINE DF	1.50	LAA	9	0	40	93	23	8	0
	B»DUAL II MAGNUM	1.59	LAA	9						
6A	ATRAZINE DF	2.00	LAA	9	0	80	99	17	4	0
	B»DUAL II MAGNUM	1.59	LAA	9						
7A»	CALLISTO 4SC	0.047	LAA	9	0	53	99	30	1	0
	B»DUAL II MAGNUM	1.59	LAA	9						
8A»	CALLISTO 4SC	0.094	LAA	9	0	63	99	28	0	0
	B»DUAL II MAGNUM	1.59	LAA	9						
9A»	CALLISTO 4SC	0.141	LAA	9	0	63	99	22	0	0
	B»DUAL II MAGNUM	1.59	LAA	9						
10A»	CALLISTO 4SC	0.188	LAA	9	0	71	99	15	1	0
	B»DUAL II MAGNUM	1.59	LAA	9						
11A»	CALLISTO 4SC	0.047	LAA	9	0	49	99	49	1	0
	B ATRAZINE DF	0.25	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
12A»	CALLISTO 4SC	0.047	LAA	9	0	54	99	32	1	0
	B ATRAZINE DF	0.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
13A»	CALLISTO 4SC	0.047	LAA	9	0	79	99	10	0	0
	B ATRAZINE DF	1.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
14A»	CALLISTO 4SC	0.047	LAA	9	0	75	99	14	0	0
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
15A»	CALLISTO 4SC	0.047	LAA	9	0	85	99	5	0	0
	B ATRAZINE DF	2.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
16A»	CALLISTO 4SC	0.094	LAA	9	0	71	99	18	0	0
	B ATRAZINE DF	0.25	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
17A»	CALLISTO 4SC	0.094	LAA	9	0	84	99	17	0	0
	B ATRAZINE DF	0.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
18A»	CALLISTO 4SC	0.094	LAA	9	0	76	99	17	1	0
	B ATRAZINE DF	1.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
19A»	CALLISTO 4SC	0.094	LAA	9	0	70	99	23	1	0
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
20A»	CALLISTO 4SC	0.094	LAA	9	0	85	99	13	1	0
	B ATRAZINE DF	2.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						



**TITLE:** Preemergence Mesotrione Atrazine Factorial SW - 1600  
**CREATED:** 04/17/2003 **REVISED:** 01/09/2004 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** DEKALB **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 33.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMBTR	ABUTH	AMBTR	ABUTH	ZEAMD	AMBTR
		RATE	UNIT		CON % 06/17/03	CON % 06/17/03	CNT NUM 06/17/03	CNT NUM 06/17/03	CON % 06/27/03	CON % 06/27/03
1A	CHECK	0.00	NA	0	0	0	69	4	0	0
	B»DUAL II MAGNUM	1.59	LAA	9						
2A	ATRAZINE DF	0.25	LAA	9	0	0	45	5	0	0
	B»DUAL II MAGNUM	1.59	LAA	9						
3A	ATRAZINE DF	0.50	LAA	9	0	0	40	9	0	0
	B»DUAL II MAGNUM	1.59	LAA	9						
4A	ATRAZINE DF	1.00	LAA	9	23	0	38	5	0	13
	B»DUAL II MAGNUM	1.59	LAA	9						
5A	ATRAZINE DF	1.50	LAA	9	31	0	41	8	0	23
	B»DUAL II MAGNUM	1.59	LAA	9						
6A	ATRAZINE DF	2.00	LAA	9	64	97	26	4	0	51
	B»DUAL II MAGNUM	1.59	LAA	9						
7A»	CALLISTO 4SC	0.047	LAA	9	53	99	43	1	0	25
	B»DUAL II MAGNUM	1.59	LAA	9						
8A»	CALLISTO 4SC	0.094	LAA	9	58	99	30	0	0	41
	B»DUAL II MAGNUM	1.59	LAA	9						
9A»	CALLISTO 4SC	0.141	LAA	9	65	99	33	1	0	49
	B»DUAL II MAGNUM	1.59	LAA	9						
10A»	CALLISTO 4SC	0.188	LAA	9	73	99	27	0	0	60
	B»DUAL II MAGNUM	1.59	LAA	9						
11A»	CALLISTO 4SC	0.047	LAA	9	13	99	57	0	0	13
	B ATRAZINE DF	0.25	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
12A»	CALLISTO 4SC	0.047	LAA	9	43	99	41	1	0	23
	B ATRAZINE DF	0.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
13A»	CALLISTO 4SC	0.047	LAA	9	69	99	18	0	0	46
	B ATRAZINE DF	1.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
14A»	CALLISTO 4SC	0.047	LAA	9	64	99	29	1	0	50
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
15A»	CALLISTO 4SC	0.047	LAA	9	75	99	24	1	0	56
	B ATRAZINE DF	2.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
16A»	CALLISTO 4SC	0.094	LAA	9	68	99	19	1	0	53
	B ATRAZINE DF	0.25	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
17A»	CALLISTO 4SC	0.094	LAA	9	74	99	22	1	0	58
	B ATRAZINE DF	0.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
18A»	CALLISTO 4SC	0.094	LAA	9	63	99	43	0	0	55
	B ATRAZINE DF	1.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
19A»	CALLISTO 4SC	0.094	LAA	9	63	99	46	0	0	49
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
20A»	CALLISTO 4SC	0.094	LAA	9	73	99	33	1	0	61
	B ATRAZINE DF	2.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						



**TITLE:** Preemergence Mesotrione Atrazine Factorial SW - 1600  
**CREATED:** 04/17/2003 **REVISED:** 01/09/2004 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** DEKALB **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 33.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	AMBTR	ABUTH	YIELD
		RATE	UNIT		CON % 06/27/03	CNT NUM 06/27/03	CNT NUM 06/27/03	BU/A 11/01/03
1A	CHECK	0.00	NA	0	0	43	1	0.0
	B»DUAL II MAGNUM	1.59	LAA	9				
2A	ATRAZINE DF	0.25	LAA	9	0	35	3	0.0
	B»DUAL II MAGNUM	1.59	LAA	9				
3A	ATRAZINE DF	0.50	LAA	9	0	31	3	0.0
	B»DUAL II MAGNUM	1.59	LAA	9				
4A	ATRAZINE DF	1.00	LAA	9	0	30	3	3.4
	B»DUAL II MAGNUM	1.59	LAA	9				
5A	ATRAZINE DF	1.50	LAA	9	0	32	4	2.2
	B»DUAL II MAGNUM	1.59	LAA	9				
6A	ATRAZINE DF	2.00	LAA	9	91	19	2	6.3
	B»DUAL II MAGNUM	1.59	LAA	9				
7A»	CALLISTO 4SC	0.047	LAA	9	99	33	1	6.6
	B»DUAL II MAGNUM	1.59	LAA	9				
8A»	CALLISTO 4SC	0.094	LAA	9	99	27	0	11.5
	B»DUAL II MAGNUM	1.59	LAA	9				
9A»	CALLISTO 4SC	0.141	LAA	9	99	27	0	2.0
	B»DUAL II MAGNUM	1.59	LAA	9				
10A»	CALLISTO 4SC	0.188	LAA	9	99	20	0	9.2
	B»DUAL II MAGNUM	1.59	LAA	9				
11A»	CALLISTO 4SC	0.047	LAA	9	99	37	0	0.4
	B ATRAZINE DF	0.25	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
12A»	CALLISTO 4SC	0.047	LAA	9	99	31	0	0.9
	B ATRAZINE DF	0.50	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
13A»	CALLISTO 4SC	0.047	LAA	9	99	13	1	22.3
	B ATRAZINE DF	1.00	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
14A»	CALLISTO 4SC	0.047	LAA	9	99	19	1	12.8
	B ATRAZINE DF	1.50	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
15A»	CALLISTO 4SC	0.047	LAA	9	99	19	1	7.4
	B ATRAZINE DF	2.00	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
16A»	CALLISTO 4SC	0.094	LAA	9	99	13	0	2.6
	B ATRAZINE DF	0.25	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
17A»	CALLISTO 4SC	0.094	LAA	9	99	18	1	18.2
	B ATRAZINE DF	0.50	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
18A»	CALLISTO 4SC	0.094	LAA	9	99	29	0	0.0
	B ATRAZINE DF	1.00	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
19A»	CALLISTO 4SC	0.094	LAA	9	99	39	0	0.0
	B ATRAZINE DF	1.50	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
20A»	CALLISTO 4SC	0.094	LAA	9	99	27	1	3.1
	B ATRAZINE DF	2.00	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				

