

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.3
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 27 FEET

DESIGN: RCB
 REPS: 4

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	05/24/02	AME
AIR TEMPERATURE	66	F
% REL.HUMIDITY	70	
WIND DIRECTION	NORTHEAST	
WIND SPEED	6.0	M/H
CLOUD COVER	CLOUDY	
DEW	DRY	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/01	
ASGROW 738RR	/	IN
05/24/2002		

* TIMING CODES

09 = ----- / PREEMERGENCE

* STAGE CODE

01 = BEGINNING OF IMBIBITION

DATA MEAN

TITLE: Preemergence Mesotrione Atrazine Factorial C-400

CREATED: 04/03/2002 REVISED: 11/11/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: URBANA

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 27.00 FT LONG

REPS: 04

TRT	TREATMENT	DOSAGE		ZEAMD	XANST	CHEAL	ABUTH	AMBEL	SIDSP
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					06/24/02	06/24/02	06/24/02	06/24/02	06/24/02
1A	CHECK	0.00	NA	0	0	0	0	0	0
	B»DUAL II MAGNUM	1.59	LAA	9					
2A	ATRAZINE DF	0.25	LAA	9	0	0	95	30	75
	B»DUAL II MAGNUM	1.59	LAA	9					
3A	ATRAZINE DF	0.50	LAA	9	0	10	97	45	78
	B»DUAL II MAGNUM	1.59	LAA	9					
4A	ATRAZINE DF	1.00	LAA	9	0	70	99	63	85
	B»DUAL II MAGNUM	1.59	LAA	9					
5A	ATRAZINE DF	1.50	LAA	9	0	76	99	77	98
	B»DUAL II MAGNUM	1.59	LAA	9					
6A	ATRAZINE DF	2.00	LAA	9	0	85	99	97	99
	B»DUAL II MAGNUM	1.59	LAA	9					
7A»	CALLISTO 4SC	0.047	LAA	9	0	58	97	92	97
	B»DUAL II MAGNUM	1.59	LAA	9					
8A»	CALLISTO 4SC	0.047	LAA	9	0	61	99	86	95
	B ATRAZINE DF	0.25	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
9A»	CALLISTO 4SC	0.047	LAA	9	0	53	92	99	99
	B ATRAZINE DF	0.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
10A»	CALLISTO 4SC	0.047	LAA	9	0	65	99	99	99
	B ATRAZINE DF	1.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
11A»	CALLISTO 4SC	0.047	LAA	9	0	84	99	99	99
	B ATRAZINE DF	1.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
12A»	CALLISTO 4SC	0.047	LAA	9	0	85	99	99	99
	B ATRAZINE DF	2.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
13A»	CALLISTO 4SC	0.094	LAA	9	0	75	99	99	99
	B»DUAL II MAGNUM	1.59	LAA	9					
14A»	CALLISTO 4SC	0.094	LAA	9	0	89	99	99	99
	B ATRAZINE DF	0.25	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
15A»	CALLISTO 4SC	0.094	LAA	9	0	88	99	99	99
	B ATRAZINE DF	0.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
16A»	CALLISTO 4SC	0.094	LAA	9	0	85	99	99	99
	B ATRAZINE DF	1.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
17A»	CALLISTO 4SC	0.094	LAA	9	0	91	99	99	99
	B ATRAZINE DF	1.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
18A»	CALLISTO 4SC	0.094	LAA	9	0	96	99	99	99
	B ATRAZINE DF	2.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
19A»	CALLISTO 4SC	0.141	LAA	9	0				
	B»DUAL II MAGNUM	1.59	LAA	9					

DATA MEAN

TITLE: Preemergence Mesotrione Atrazine Factorial C-400

TRT	TREATMENT	DOSAGE			ZEAMD	XANST	CHEAL	ABUTH	AMBEL	SIDSP
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/24/02	06/24/02	06/24/02	06/24/02	06/24/02	06/24/02
20A»	CALLISTO 4SC	0.141	LAA	9	0	89	99	99	99	99
	B ATRAZINE DF	0.25	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
21A»	CALLISTO 4SC	0.141	LAA	9	0	92	99	99	99	99
	B ATRAZINE DF	0.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
22A»	CALLISTO 4SC	0.141	LAA	9	0	76	99	99	99	99
	B ATRAZINE DF	1.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
23A»	CALLISTO 4SC	0.141	LAA	9	0	95	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
24A»	CALLISTO 4SC	0.141	LAA	9	0	94	99	99	99	99
	B ATRAZINE DF	2.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
25A»	CALLISTO 4SC	0.188	LAA	9	0	86	99	99	99	99
	B»DUAL II MAGNUM	1.59	LAA	9						
26A»	CALLISTO 4SC	0.188	LAA	9	0	84	99	99	99	99
	B ATRAZINE DF	0.25	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
27A»	CALLISTO 4SC	0.188	LAA	9	0	88	99	99	99	99
	B ATRAZINE DF	0.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
28A»	CALLISTO 4SC	0.188	LAA	9	0	92	99	99	99	99
	B ATRAZINE DF	1.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
29A»	CALLISTO 4SC	0.188	LAA	9	0	97	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
30A»	CALLISTO 4SC	0.188	LAA	9	0	99	99	99	99	99
	B ATRAZINE DF	2.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
31A»	WEED FREE	0.00	NA	0	0	99	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
	D»RNDUP ULTRA MA	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
32A»	BALANCE PRO 4S	0.07	LAA	9	0	87	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
LSD (0.05)					0.00	14.91	3.00	9.43	4.81	4.52
STANDARD DEVIATION					0.00	7.53	1.49	4.76	2.43	2.28

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TITLE: Preemergence Mesotrione Atrazine Factorial C-400

CREATED: 04/03/2002 REVISED: 11/11/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: URBANA

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 27.00 FT LONG

REPS: 04

TRT	TREATMENT	DOSAGE	DATST	POLPY	IPOHE	ZEAMD	XANST	CHEAL
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/24/02	06/24/02	06/24/02	07/10/02
1A	CHECK	0.00	NA	0	0	0	0	0
	B»DUAL II MAGNUM	1.59	LAA	9				
2A	ATRAZINE DF	0.25	LAA	9	92	5	0	0
	B»DUAL II MAGNUM	1.59	LAA	9				81
3A	ATRAZINE DF	0.50	LAA	9	99	58	55	0
	B»DUAL II MAGNUM	1.59	LAA	9				13
4A	ATRAZINE DF	1.00	LAA	9	99	73	75	0
	B»DUAL II MAGNUM	1.59	LAA	9				70
5A	ATRAZINE DF	1.50	LAA	9	99	99	80	0
	B»DUAL II MAGNUM	1.59	LAA	9				78
6A	ATRAZINE DF	2.00	LAA	9	98	99	95	0
	B»DUAL II MAGNUM	1.59	LAA	9				81
7A»	CALLISTO 4SC	0.047	LAA	9	99	65	70	0
	B»DUAL II MAGNUM	1.59	LAA	9				53
8A»	CALLISTO 4SC	0.047	LAA	9	96	92	84	0
	B ATRAZINE DF	0.25	LAA	9				68
	C»DUAL II MAGNUM	1.59	LAA	9				99
9A»	CALLISTO 4SC	0.047	LAA	9	99	97	99	0
	B ATRAZINE DF	0.50	LAA	9				53
	C»DUAL II MAGNUM	1.59	LAA	9				96
10A»	CALLISTO 4SC	0.047	LAA	9	99	99	84	0
	B ATRAZINE DF	1.00	LAA	9				64
	C»DUAL II MAGNUM	1.59	LAA	9				99
11A»	CALLISTO 4SC	0.047	LAA	9	99	99	92	0
	B ATRAZINE DF	1.50	LAA	9				80
	C»DUAL II MAGNUM	1.59	LAA	9				99
12A»	CALLISTO 4SC	0.047	LAA	9	99	99	99	0
	B ATRAZINE DF	2.00	LAA	9				85
	C»DUAL II MAGNUM	1.59	LAA	9				99
13A»	CALLISTO 4SC	0.094	LAA	9	99	97	88	0
	B»DUAL II MAGNUM	1.59	LAA	9				75
14A»	CALLISTO 4SC	0.094	LAA	9	99	99	92	0
	B ATRAZINE DF	0.25	LAA	9				87
	C»DUAL II MAGNUM	1.59	LAA	9				99
15A»	CALLISTO 4SC	0.094	LAA	9	99	99	83	0
	B ATRAZINE DF	0.50	LAA	9				88
	C»DUAL II MAGNUM	1.59	LAA	9				99
16A»	CALLISTO 4SC	0.094	LAA	9	99	99	97	0
	B ATRAZINE DF	1.00	LAA	9				84
	C»DUAL II MAGNUM	1.59	LAA	9				99
17A»	CALLISTO 4SC	0.094	LAA	9	99	99	92	0
	B ATRAZINE DF	1.50	LAA	9				87
	C»DUAL II MAGNUM	1.59	LAA	9				99
18A»	CALLISTO 4SC	0.094	LAA	9	99	99	98	0
	B ATRAZINE DF	2.00	LAA	9				96
	C»DUAL II MAGNUM	1.59	LAA	9				99
19A»	CALLISTO 4SC	0.141	LAA	9				0
	B»DUAL II MAGNUM	1.59	LAA	9				

DATA MEAN

TITLE: Preemergence Mesotrione Atrazine Factorial C-400

TRT	TREATMENT	DOSAGE		DATST	POLPY	IPOHE	ZEAMD	XANST	CHEAL
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					06/24/02	06/24/02	06/24/02	07/10/02	07/10/02
20A»	CALLISTO 4SC	0.141	LAA	9	99	99	81	0	84
	B ATRAZINE DF	0.25	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
21A»	CALLISTO 4SC	0.141	LAA	9	99	99	92	0	92
	B ATRAZINE DF	0.50	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
22A»	CALLISTO 4SC	0.141	LAA	9	99	99	86	0	78
	B ATRAZINE DF	1.00	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
23A»	CALLISTO 4SC	0.141	LAA	9	99	99	94	0	94
	B ATRAZINE DF	1.50	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
24A»	CALLISTO 4SC	0.141	LAA	9	99	99	99	0	93
	B ATRAZINE DF	2.00	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
25A»	CALLISTO 4SC	0.188	LAA	9	99	99	91	0	83
	B»DUAL II MAGNUM	1.59	LAA	9					99
26A»	CALLISTO 4SC	0.188	LAA	9	99	99	97	0	80
	B ATRAZINE DF	0.25	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
27A»	CALLISTO 4SC	0.188	LAA	9	99	99	97	0	89
	B ATRAZINE DF	0.50	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
28A»	CALLISTO 4SC	0.188	LAA	9	99	99	98	0	91
	B ATRAZINE DF	1.00	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
29A»	CALLISTO 4SC	0.188	LAA	9	99	99	94	0	96
	B ATRAZINE DF	1.50	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
30A»	CALLISTO 4SC	0.188	LAA	9	99	99	99	0	98
	B ATRAZINE DF	2.00	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
31A»	WEED FREE	0.00	NA	0	99	99	99	0	99
	B ATRAZINE DF	1.50	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
	D»RNDUP ULTRA MA	0.75	LAA	12					
	E»LIQUID AMS	2.50	PMV	12					
32A»	BALANCE PRO 4S	0.07	LAA	9	99	99	93	0	93
	B ATRAZINE DF	1.50	LAA	9					99
LSD (0.05)					3.00	7.86	13.53	0.00	12.47
STANDARD DEVIATION					1.50	4.00	6.83	0.00	6.30
									4.29
									2.16

DATA MEAN

TITLE: Preemergence Mesotrione Atrazine Factorial C-400

CREATED: 04/03/2002 REVISED: 11/11/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: URBANA

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 27.00 FT LONG

REPS: 04

TRT	TREATMENT	DOSAGE		ABUTH	AMBEL	SIDSP	DATST	POLPY	IPOHE
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					07/10/02	07/10/02	07/10/02	07/10/02	07/10/02
1A	CHECK	0.00	NA	0	0	0	0	0	0
	B»DUAL II MAGNUM	1.59	LAA	9					
2A	ATRAZINE DF	0.25	LAA	9	38	58	74	90	0
	B»DUAL II MAGNUM	1.59	LAA	9					3
3A	ATRAZINE DF	0.50	LAA	9	53	90	80	99	70
	B»DUAL II MAGNUM	1.59	LAA	9					55
4A	ATRAZINE DF	1.00	LAA	9	58	87	85	97	90
	B»DUAL II MAGNUM	1.59	LAA	9					78
5A	ATRAZINE DF	1.50	LAA	9	71	99	98	99	99
	B»DUAL II MAGNUM	1.59	LAA	9					86
6A	ATRAZINE DF	2.00	LAA	9	98	97	99	98	99
	B»DUAL II MAGNUM	1.59	LAA	9					91
7A»	CALLISTO 4SC	0.047	LAA	9	79	79	82	94	65
	B»DUAL II MAGNUM	1.59	LAA	9					66
8A»	CALLISTO 4SC	0.047	LAA	9	88	94	96	96	86
	B ATRAZINE DF	0.25	LAA	9					76
	C»DUAL II MAGNUM	1.59	LAA	9					
9A»	CALLISTO 4SC	0.047	LAA	9	99	99	99	99	97
	B ATRAZINE DF	0.50	LAA	9					92
	C»DUAL II MAGNUM	1.59	LAA	9					
10A»	CALLISTO 4SC	0.047	LAA	9	99	96	99	99	99
	B ATRAZINE DF	1.00	LAA	9					82
	C»DUAL II MAGNUM	1.59	LAA	9					
11A»	CALLISTO 4SC	0.047	LAA	9	99	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9					88
	C»DUAL II MAGNUM	1.59	LAA	9					
12A»	CALLISTO 4SC	0.047	LAA	9	99	99	99	99	99
	B ATRAZINE DF	2.00	LAA	9					95
	C»DUAL II MAGNUM	1.59	LAA	9					
13A»	CALLISTO 4SC	0.094	LAA	9	99	99	98	99	99
	B»DUAL II MAGNUM	1.59	LAA	9					80
14A»	CALLISTO 4SC	0.094	LAA	9	99	99	99	99	99
	B ATRAZINE DF	0.25	LAA	9					84
	C»DUAL II MAGNUM	1.59	LAA	9					
15A»	CALLISTO 4SC	0.094	LAA	9	99	99	99	99	99
	B ATRAZINE DF	0.50	LAA	9					78
	C»DUAL II MAGNUM	1.59	LAA	9					
16A»	CALLISTO 4SC	0.094	LAA	9	99	99	99	99	99
	B ATRAZINE DF	1.00	LAA	9					94
	C»DUAL II MAGNUM	1.59	LAA	9					
17A»	CALLISTO 4SC	0.094	LAA	9	99	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9					88
	C»DUAL II MAGNUM	1.59	LAA	9					
18A»	CALLISTO 4SC	0.094	LAA	9	99	99	99	99	99
	B ATRAZINE DF	2.00	LAA	9					93
	C»DUAL II MAGNUM	1.59	LAA	9					
19A»	CALLISTO 4SC	0.141	LAA	9					
	B»DUAL II MAGNUM	1.59	LAA	9					

DATA MEAN

TITLE: Preemergence Mesotrione Atrazine Factorial C-400

TRT	TREATMENT	DOSAGE		ABUTH	AMBEL	SIDSP	DATST	POLPY	IPOHE
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					07/10/02	07/10/02	07/10/02	07/10/02	07/10/02
20A»	CALLISTO 4SC	0.141	LAA	9	99	99	99	99	85
	B ATRAZINE DF	0.25	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
21A»	CALLISTO 4SC	0.141	LAA	9	99	99	99	99	92
	B ATRAZINE DF	0.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
22A»	CALLISTO 4SC	0.141	LAA	9	99	99	99	99	88
	B ATRAZINE DF	1.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
23A»	CALLISTO 4SC	0.141	LAA	9	99	99	99	99	96
	B ATRAZINE DF	1.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
24A»	CALLISTO 4SC	0.141	LAA	9	99	99	99	99	98
	B ATRAZINE DF	2.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
25A»	CALLISTO 4SC	0.188	LAA	9	99	99	99	99	83
	B»DUAL II MAGNUM	1.59	LAA	9				96	
26A»	CALLISTO 4SC	0.188	LAA	9	99	99	99	99	96
	B ATRAZINE DF	0.25	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
27A»	CALLISTO 4SC	0.188	LAA	9	99	99	99	99	95
	B ATRAZINE DF	0.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
28A»	CALLISTO 4SC	0.188	LAA	9	99	99	99	99	95
	B ATRAZINE DF	1.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
29A»	CALLISTO 4SC	0.188	LAA	9	99	99	99	99	93
	B ATRAZINE DF	1.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
30A»	CALLISTO 4SC	0.188	LAA	9	99	99	99	99	98
	B ATRAZINE DF	2.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
31A»	WEED FREE	0.00	NA	0	99	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
	D»RNDUP ULTRA MA	0.75	LAA	12					
	E»LIQUID AMS	2.50	PMV	12					
32A»	BALANCE PRO 4S	0.07	LAA	9	99	99	99	98	94
	B ATRAZINE DF	1.50	LAA	9					
LSD (0.05)					8.12	6.83	7.36	3.51	13.09
STANDARD DEVIATION					4.10	3.45	3.71	1.77	6.61

DATA MEAN

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COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: URBANA

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 27.00 FT LONG

REPS: 04

TRT	TREATMENT	DOSAGE		ZEAMD	XANST	CHEAL	ABUTH	AMBEL	SIDSP
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					07/25/02	07/25/02	07/25/02	07/25/02	07/25/02
1A	CHECK	0.00	NA	0	0	0	0	0	0
	B»DUAL II MAGNUM	1.59	LAA	9					
2A	ATRAZINE DF	0.25	LAA	9	0	0	78	43	60
	B»DUAL II MAGNUM	1.59	LAA	9					73
3A	ATRAZINE DF	0.50	LAA	9	0	13	97	64	84
	B»DUAL II MAGNUM	1.59	LAA	9					79
4A	ATRAZINE DF	1.00	LAA	9	0	73	99	55	86
	B»DUAL II MAGNUM	1.59	LAA	9					89
5A	ATRAZINE DF	1.50	LAA	9	0	79	99	70	99
	B»DUAL II MAGNUM	1.59	LAA	9					98
6A	ATRAZINE DF	2.00	LAA	9	0	81	99	98	97
	B»DUAL II MAGNUM	1.59	LAA	9					99
7A»	CALLISTO 4SC	0.047	LAA	9	0	48	81	60	63
	B»DUAL II MAGNUM	1.59	LAA	9					68
8A»	CALLISTO 4SC	0.047	LAA	9	0	69	98	90	94
	B ATRAZINE DF	0.25	LAA	9					85
	C»DUAL II MAGNUM	1.59	LAA	9					
9A»	CALLISTO 4SC	0.047	LAA	9	0	54	96	99	99
	B ATRAZINE DF	0.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
10A»	CALLISTO 4SC	0.047	LAA	9	0	61	99	99	94
	B ATRAZINE DF	1.00	LAA	9					99
	C»DUAL II MAGNUM	1.59	LAA	9					
11A»	CALLISTO 4SC	0.047	LAA	9	0	80	99	99	99
	B ATRAZINE DF	1.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
12A»	CALLISTO 4SC	0.047	LAA	9	0	81	99	99	99
	B ATRAZINE DF	2.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
13A»	CALLISTO 4SC	0.094	LAA	9	0	78	99	99	99
	B»DUAL II MAGNUM	1.59	LAA	9					95
14A»	CALLISTO 4SC	0.094	LAA	9	0	82	99	99	99
	B ATRAZINE DF	0.25	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
15A»	CALLISTO 4SC	0.094	LAA	9	0	88	99	99	99
	B ATRAZINE DF	0.50	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
16A»	CALLISTO 4SC	0.094	LAA	9	0	84	99	99	99
	B ATRAZINE DF	1.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
17A»	CALLISTO 4SC	0.094	LAA	9	0	87	99	99	99
	B ATRAZINE DF	1.50	LAA	9					98
	C»DUAL II MAGNUM	1.59	LAA	9					
18A»	CALLISTO 4SC	0.094	LAA	9	0	96	99	99	99
	B ATRAZINE DF	2.00	LAA	9					
	C»DUAL II MAGNUM	1.59	LAA	9					
19A»	CALLISTO 4SC	0.141	LAA	9	0				
	B»DUAL II MAGNUM	1.59	LAA	9					

DATA MEAN

TITLE: Preemergence Mesotrione Atrazine Factorial C-400

TRT	TREATMENT	DOSAGE			ZEAMD	XANST	CHEAL	ABUTH	AMBEL	SIDSP
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					07/25/02	07/25/02	07/25/02	07/25/02	07/25/02	07/25/02
20A»	CALLISTO 4SC	0.141	LAA	9	0	84	99	97	99	99
	B ATRAZINE DF	0.25	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
21A»	CALLISTO 4SC	0.141	LAA	9	0	92	99	99	99	98
	B ATRAZINE DF	0.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
22A»	CALLISTO 4SC	0.141	LAA	9	0	81	99	99	99	99
	B ATRAZINE DF	1.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
23A»	CALLISTO 4SC	0.141	LAA	9	0	94	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
24A»	CALLISTO 4SC	0.141	LAA	9	0	92	99	99	99	99
	B ATRAZINE DF	2.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
25A»	CALLISTO 4SC	0.188	LAA	9	0	82	99	99	99	99
	B»DUAL II MAGNUM	1.59	LAA	9						
26A»	CALLISTO 4SC	0.188	LAA	9	0	79	99	99	98	99
	B ATRAZINE DF	0.25	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
27A»	CALLISTO 4SC	0.188	LAA	9	0	89	99	99	99	99
	B ATRAZINE DF	0.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
28A»	CALLISTO 4SC	0.188	LAA	9	0	93	99	99	99	97
	B ATRAZINE DF	1.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
29A»	CALLISTO 4SC	0.188	LAA	9	0	94	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
30A»	CALLISTO 4SC	0.188	LAA	9	0	98	99	99	99	99
	B ATRAZINE DF	2.00	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
31A»	WEED FREE	0.00	NA	0	0	99	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
	C»DUAL II MAGNUM	1.59	LAA	9						
	D»RNDUP ULTRA MA	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
32A»	BALANCE PRO 4S	0.07	LAA	9	0	92	99	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
LSD (0.05)					0.00	12.84	5.24	7.20	7.06	7.67
STANDARD DEVIATION					0.00	6.49	2.65	3.64	3.56	3.87

DATA MEAN

TITLE: Preemergence Mesotrione Atrazine Factorial C-400
CREATED: 04/03/2002 **REVISED:** 11/11/2002 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 27.00 FT **LONG** **REPS:** 04

TRT	TREATMENT	DOSAGE	DATST	POLPY	IPOHE	YIELD
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %
			TM	07/25/02	07/25/02	07/25/02
						10/08/02
1A	CHECK	0.00	NA	0	0	80.4
	B»DUAL II MAGNUM	1.59	LAA	9		
2A	ATRAZINE DF	0.25	LAA	9	87	108.1
	B»DUAL II MAGNUM	1.59	LAA	9	0	5
3A	ATRAZINE DF	0.50	LAA	9	99	130.9
	B»DUAL II MAGNUM	1.59	LAA	9	69	48
4A	ATRAZINE DF	1.00	LAA	9	97	140.9
	B»DUAL II MAGNUM	1.59	LAA	9	94	81
5A	ATRAZINE DF	1.50	LAA	9	98	152.2
	B»DUAL II MAGNUM	1.59	LAA	9	99	87
6A	ATRAZINE DF	2.00	LAA	9	97	165.5
	B»DUAL II MAGNUM	1.59	LAA	9	99	88
7A»	CALLISTO 4SC	0.047	LAA	9	94	145.6
	B»DUAL II MAGNUM	1.59	LAA	9	61	60
8A»	CALLISTO 4SC	0.047	LAA	9	98	145.5
	B ATRAZINE DF	0.25	LAA	9	78	73
	C»DUAL II MAGNUM	1.59	LAA	9		
9A»	CALLISTO 4SC	0.047	LAA	9	99	142.1
	B ATRAZINE DF	0.50	LAA	9	96	89
	C»DUAL II MAGNUM	1.59	LAA	9		
10A»	CALLISTO 4SC	0.047	LAA	9	99	147.3
	B ATRAZINE DF	1.00	LAA	9	99	83
	C»DUAL II MAGNUM	1.59	LAA	9		
11A»	CALLISTO 4SC	0.047	LAA	9	99	166.5
	B ATRAZINE DF	1.50	LAA	9	99	84
	C»DUAL II MAGNUM	1.59	LAA	9		
12A»	CALLISTO 4SC	0.047	LAA	9	99	151.3
	B ATRAZINE DF	2.00	LAA	9	99	92
	C»DUAL II MAGNUM	1.59	LAA	9		
13A»	CALLISTO 4SC	0.094	LAA	9	99	145.4
	B»DUAL II MAGNUM	1.59	LAA	9	99	79
14A»	CALLISTO 4SC	0.094	LAA	9	99	160.1
	B ATRAZINE DF	0.25	LAA	9	99	83
	C»DUAL II MAGNUM	1.59	LAA	9		
15A»	CALLISTO 4SC	0.094	LAA	9	99	139.6
	B ATRAZINE DF	0.50	LAA	9	99	78
	C»DUAL II MAGNUM	1.59	LAA	9		
16A»	CALLISTO 4SC	0.094	LAA	9	97	168.1
	B ATRAZINE DF	1.00	LAA	9	99	93
	C»DUAL II MAGNUM	1.59	LAA	9		
17A»	CALLISTO 4SC	0.094	LAA	9	99	162.6
	B ATRAZINE DF	1.50	LAA	9	99	86
	C»DUAL II MAGNUM	1.59	LAA	9		
18A»	CALLISTO 4SC	0.094	LAA	9	99	162.7
	B ATRAZINE DF	2.00	LAA	9	99	89
	C»DUAL II MAGNUM	1.59	LAA	9		
19A»	CALLISTO 4SC	0.141	LAA	9		48.6
	B»DUAL II MAGNUM	1.59	LAA	9		

DATA MEAN

TITLE: Preemergence Mesotrione Atrazine Factorial C-400

TRT	TREATMENT	DOSAGE		DATST	POLPY	IPOHE	YIELD	
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	BU/A	
					07/25/02	07/25/02	10/08/02	
20A»	CALLISTO 4SC	0.141	LAA	9	99	99	81	149.8
	B ATRAZINE DF	0.25	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
21A»	CALLISTO 4SC	0.141	LAA	9	99	99	92	153.8
	B ATRAZINE DF	0.50	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
22A»	CALLISTO 4SC	0.141	LAA	9	99	99	85	159.7
	B ATRAZINE DF	1.00	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
23A»	CALLISTO 4SC	0.141	LAA	9	99	99	92	155.2
	B ATRAZINE DF	1.50	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
24A»	CALLISTO 4SC	0.141	LAA	9	99	99	96	168.8
	B ATRAZINE DF	2.00	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
25A»	CALLISTO 4SC	0.188	LAA	9	99	94	78	155.8
	B»DUAL II MAGNUM	1.59	LAA	9				
26A»	CALLISTO 4SC	0.188	LAA	9	99	99	94	175.7
	B ATRAZINE DF	0.25	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
27A»	CALLISTO 4SC	0.188	LAA	9	99	99	90	159.4
	B ATRAZINE DF	0.50	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
28A»	CALLISTO 4SC	0.188	LAA	9	99	99	94	178.9
	B ATRAZINE DF	1.00	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
29A»	CALLISTO 4SC	0.188	LAA	9	99	99	88	169.8
	B ATRAZINE DF	1.50	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
30A»	CALLISTO 4SC	0.188	LAA	9	98	99	95	159.1
	B ATRAZINE DF	2.00	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
31A»	WEED FREE	0.00	NA	0	99	99	99	168.1
	B ATRAZINE DF	1.50	LAA	9				
	C»DUAL II MAGNUM	1.59	LAA	9				
	D»RNDUP ULTRA MA	0.75	LAA	12				
	E»LIQUID AMS	2.50	PMV	12				
32A»	BALANCE PRO 4S	0.07	LAA	9	98	98	90	164.8
	B ATRAZINE DF	1.50	LAA	9				
LSD (0.05)					4.00	7.21	11.33	18.71
STANDARD DEVIATION					2.00	3.64	5.72	9.45

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/24/2002 (1)

12 = ----- / POST

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	ZEAMD	CON %	06/24/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	XANST	CON %	06/24/2002	02	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	CHEAL	CON %	06/24/2002	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	ABUTH	CON %	06/24/2002	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	AMBEL	CON %	06/24/2002	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	SIDSP	CON %	06/24/2002	06	P	SIDSP		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

DATA MEAN

TITLE: Preemergence Mesotrione Atrazine Factorial C-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
07	DATST	CON %	06/24/2002	07	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	POLPY	CON %	06/24/2002	08	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	IPOHE	CON %	06/24/2002	09	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	ZEAMD	CON %	07/10/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	XANST	CON %	07/10/2002	02	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	CHEAL	CON %	07/10/2002	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	ABUTH	CON %	07/10/2002	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	AMBEL	CON %	07/10/2002	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
15	SIDSP	CON %	07/10/2002	06	P	SIDSP		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
16	DATST	CON %	07/10/2002	07	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
17	POLPY	CON %	07/10/2002	08	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
18	IPOHE	CON %	07/10/2002	09	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
19	ZEAMD	CON %	07/25/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
20	XANST	CON %	07/25/2002	02	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
21	CHEAL	CON %	07/25/2002	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
22	ABUTH	CON %	07/25/2002	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
23	AMBEL	CON %	07/25/2002	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
24	SIDSP	CON %	07/25/2002	06	P	SIDSP		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
25	DATST	CON %	07/25/2002	07	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
26	POLPY	CON %	07/25/2002	08	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
27	IPOHE	CON %	07/25/2002	09	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
28	YIELD	BU/A	10/08/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 738RR