

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.3
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	05/11/04	AME
AIR TEMPERATURE	80	F
% REL.HUMIDITY	55	
WIND DIRECTION	SOUTH	
WIND SPEED	9.0	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
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	
DEKALB 60-19RR	/	IN
05/11/2004		

* TIMING CODES
 09 = ----- / PREEMERGENCE

* STAGE CODE
 01 = BEGINNING OF IMBIBITION

TITLE: Metolachlor tank-mixes for weed control in corn. C-400
CREATED: 04/10/2004 **REVISED:** 07/28/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	AMBEL	ABUTH
		RATE	UNIT		CON % 05/28/04	CON % 05/28/04	CON % 05/28/04	CON % 05/28/04	CON % 05/28/04	CON % 05/28/04
1A»	BICEP II MAGNU	1.78	LAA	9	0	99	99	99	91	93
2A»	BICEP II MAGNU	2.68	LAA	9	0	99	99	99	88	95
3A»	BICEP II MAGNU	3.03	LAA	9	0	99	99	99	99	97
4A»	BICEP II MAGNU	3.58	LAA	9	0	99	99	99	97	98
5A»	MANA-283 5.97L	1.43	LAA	9	0	98	99	99	97	93
	B ATRAZINE DF	0.35	LAA	9						
6A»	MANA-283 5.97L	2.14	LAA	9	0	99	99	99	94	94
	B ATRAZINE DF	0.54	LAA	9						
7A»	MANA-283 5.97L	2.43	LAA	9	0	99	99	99	96	96
	B ATRAZINE DF	0.60	LAA	9						
8A»	MANA-283 5.97L	2.86	LAA	9	0	99	99	99	99	95
	B ATRAZINE DF	0.70	LAA	9						
9A»	MANA-283 5.97L	3.22	LAA	9	0	99	99	99	98	96
10A»	MANA-283 5.97L	3.66	LAA	9	0	99	99	99	97	94
11A»	MANA-283 5.97L	4.29	LAA	9	0	99	99	99	96	97
12A»	PARALLEL II 7.	0.78	LAA	9	0	99	99	99	97	95
	B ATRAZINE DF	1.00	LAA	9						
13A»	PARALLEL II 7.	1.17	LAA	9	0	99	99	99	98	95
	B ATRAZINE DF	1.51	LAA	9						
14A»	PARALLEL II 7.	1.56	LAA	9	0	99	99	99	99	95
	B ATRAZINE DF	2.00	LAA	9						
15A»	PARALLEL II 7.	1.76	LAA	9	0	99	99	99	98	97
	B ATRAZINE DF	1.46	LAA	9						
16A»	PARALLEL II 7.	1.96	LAA	9	0	99	99	99	96	96
	B ATRAZINE DF	1.66	LAA	9						
17A»	PARALLEL II 7.	2.34	LAA	9	0	99	99	99	97	95
	B ATRAZINE DF	1.95	LAA	9						
18A»	MANA-283 5.97L	2.14	LAA	9	0	99	99	99	99	95
	B»CALLISTO 4SC	0.15	LAA	9						
	C ATRAZINE DF	0.54	LAA	9						
19A»	MANA-283 5.97L	2.68	LAA	9	0	99	99	99	99	97
	B»CALLISTO 4SC	0.15	LAA	9						
	C ATRAZINE DF	0.78	LAA	9						
20A	CHECK	0.00	NA	0	0	0	0	0	0	0
21A»	MANA-283 5.97L	3.22	LAA	9	0	99	99	99	99	96
	B»CALLISTO 4SC	0.15	LAA	9						
22A»	MANA-283 5.97L	3.59	LAA	9	0	99	99	99	99	98
	B»CALLISTO 4SC	0.15	LAA	9						
23A»	MANA-283 5.97L	4.29	LAA	9	0	99	99	99	99	96
	B»CALLISTO 4SC	0.15	LAA	9						
24A»	LUMAX 3.9L	2.44	LAA	9	0	98	99	99	99	97
25A»	LUMAX 3.9L	2.93	LAA	9	0	99	99	99	99	96
26A»	LEXAR 3.7L	3.23	LAA	9	0	99	99	99	99	98
	B PRINCEP 4L	1.00	LAA	9						

TITLE: Metolachlor tank-mixes for weed control in corn. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	POLPY	AMBEL	ABUTH
		RATE	UNIT	TM	CON % 05/28/04	CON % 05/28/04	CON % 05/28/04	CON % 05/28/04	CON % 05/28/04	CON % 05/28/04
27A	GUARDS MAX 5L	2.88	LAA	9	0	99	99	99	99	97
B	BALANCE PRO 4S	0.047	LAA	9						
	LSD (0.05)				0.00	0.637	0.181	0.00	4.91	3.56
	STANDARD DEVIATION				0.00	0.318	0.090	0.00	2.45	1.78

TITLE: Metolachlor tank-mixes for weed control in corn. C-400
CREATED: 04/10/2004 **REVISED:** 07/28/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	PHBPU	ZEAMD	SETFA	CHEAL	POLPY
		RATE	UNIT		CON % 05/28/04	CON % 05/28/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04
1A»	BICEP II MAGNU	1.78	LAA	9	89	90	0	97	99	99
2A»	BICEP II MAGNU	2.68	LAA	9	92	98	0	99	99	99
3A»	BICEP II MAGNU	3.03	LAA	9	93	98	0	99	99	99
4A»	BICEP II MAGNU	3.58	LAA	9	94	94	0	99	99	99
5A»	MANA-283 5.97L	1.43	LAA	9	90	89	0	94	99	99
B	ATRAZINE DF	0.35	LAA	9						
6A»	MANA-283 5.97L	2.14	LAA	9	90	91	0	97	99	99
B	ATRAZINE DF	0.54	LAA	9						
7A»	MANA-283 5.97L	2.43	LAA	9	91	93	0	97	99	99
B	ATRAZINE DF	0.60	LAA	9						
8A»	MANA-283 5.97L	2.86	LAA	9	90	91	0	97	99	99
B	ATRAZINE DF	0.70	LAA	9						
9A»	MANA-283 5.97L	3.22	LAA	9	91	91	0	98	99	99
10A»	MANA-283 5.97L	3.66	LAA	9	95	95	0	98	99	99
11A»	MANA-283 5.97L	4.29	LAA	9	94	95	0	99	99	99
12A»	PARALLEL II 7.	0.78	LAA	9	92	96	0	95	99	99
B	ATRAZINE DF	1.00	LAA	9						
13A»	PARALLEL II 7.	1.17	LAA	9	95	95	0	96	99	98
B	ATRAZINE DF	1.51	LAA	9						
14A»	PARALLEL II 7.	1.56	LAA	9	95	95	0	97	99	99
B	ATRAZINE DF	2.00	LAA	9						
15A»	PARALLEL II 7.	1.76	LAA	9	92	94	0	97	99	99
B	ATRAZINE DF	1.46	LAA	9						
16A»	PARALLEL II 7.	1.96	LAA	9	94	94	0	97	99	99
B	ATRAZINE DF	1.66	LAA	9						
17A»	PARALLEL II 7.	2.34	LAA	9	94	97	0	99	99	99
B	ATRAZINE DF	1.95	LAA	9						
18A»	MANA-283 5.97L	2.14	LAA	9	95	93	0	95	99	99
B»	CALLISTO 4SC	0.15	LAA	9						
C	ATRAZINE DF	0.54	LAA	9						
19A»	MANA-283 5.97L	2.68	LAA	9	96	96	0	96	99	99
B»	CALLISTO 4SC	0.15	LAA	9						
C	ATRAZINE DF	0.78	LAA	9						
20A	CHECK	0.00	NA	0	0	0	0	0	0	0
21A»	MANA-283 5.97L	3.22	LAA	9	96	97	0	98	99	99
B»	CALLISTO 4SC	0.15	LAA	9						
22A»	MANA-283 5.97L	3.59	LAA	9	92	95	0	98	99	99
B»	CALLISTO 4SC	0.15	LAA	9						
23A»	MANA-283 5.97L	4.29	LAA	9	95	96	0	98	99	99
B»	CALLISTO 4SC	0.15	LAA	9						
24A»	LUMAX 3.9L	2.44	LAA	9	93	94	0	98	99	99
25A»	LUMAX 3.9L	2.93	LAA	9	95	96	0	97	99	99
26A»	LEXAR 3.7L	3.23	LAA	9	98	98	0	98	99	99
B	PRINCEP 4L	1.00	LAA	9						

TITLE: Metolachlor tank-mixes for weed control in corn. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		XANST	PHBPU	ZEAMD	SETFA	CHEAL	POLPY
		RATE	UNIT TM	CON % 05/28/04	CON % 05/28/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04
27A	GUARDS MAX 5L	2.88	LAA 9	99	96	0	98	99	99
B	BALANCE PRO 4S	0.047	LAA 9						
			LSD (0.05)	6.29	4.42	0.00	3.33	0.181	0.497
			STANDARD DEVIATION	3.14	2.21	0.00	1.66	0.090	0.248

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PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMBEL	ABUTH	XANST	PHBPU	ZEAMD	SETFA
		RATE	UNIT		CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 07/14/04	CON % 07/14/04
1A	BICEP II MAGNU	1.78	LAA	9	90	92	93	89	0	96
2A	BICEP II MAGNU	2.68	LAA	9	90	96	88	94	0	98
3A	BICEP II MAGNU	3.03	LAA	9	94	95	91	93	0	97
4A	BICEP II MAGNU	3.58	LAA	9	93	96	93	91	0	98
5A	MANA-283 5.97L	1.43	LAA	9	94	94	88	88	0	88
B	ATRAZINE DF	0.35	LAA	9						
6A	MANA-283 5.97L	2.14	LAA	9	96	96	93	89	0	96
B	ATRAZINE DF	0.54	LAA	9						
7A	MANA-283 5.97L	2.43	LAA	9	98	97	90	91	0	92
B	ATRAZINE DF	0.60	LAA	9						
8A	MANA-283 5.97L	2.86	LAA	9	99	98	92	93	0	94
B	ATRAZINE DF	0.70	LAA	9						
9A	MANA-283 5.97L	3.22	LAA	9	98	97	95	95	0	96
10A	MANA-283 5.97L	3.66	LAA	9	96	96	95	96	0	95
11A	MANA-283 5.97L	4.29	LAA	9	95	97	96	97	0	98
12A	PARALLEL II 7.	0.78	LAA	9	95	97	94	96	0	92
B	ATRAZINE DF	1.00	LAA	9						
13A	PARALLEL II 7.	1.17	LAA	9	98	96	96	94	0	93
B	ATRAZINE DF	1.51	LAA	9						
14A	PARALLEL II 7.	1.56	LAA	9	98	97	95	96	0	94
B	ATRAZINE DF	2.00	LAA	9						
15A	PARALLEL II 7.	1.76	LAA	9	98	98	96	96	0	94
B	ATRAZINE DF	1.46	LAA	9						
16A	PARALLEL II 7.	1.96	LAA	9	97	97	94	97	0	96
B	ATRAZINE DF	1.66	LAA	9						
17A	PARALLEL II 7.	2.34	LAA	9	95	97	94	97	0	98
B	ATRAZINE DF	1.95	LAA	9						
18A	MANA-283 5.97L	2.14	LAA	9	99	99	96	95	0	90
B	CALLISTO 4SC	0.15	LAA	9						
C	ATRAZINE DF	0.54	LAA	9						
19A	MANA-283 5.97L	2.68	LAA	9	98	99	97	96	0	92
B	CALLISTO 4SC	0.15	LAA	9						
C	ATRAZINE DF	0.78	LAA	9						
20A	CHECK	0.00	NA	0	0	0	0	0	0	0
21A	MANA-283 5.97L	3.22	LAA	9	99	99	97	97	0	95
B	CALLISTO 4SC	0.15	LAA	9						
22A	MANA-283 5.97L	3.59	LAA	9	99	99	96	94	0	95
B	CALLISTO 4SC	0.15	LAA	9						
23A	MANA-283 5.97L	4.29	LAA	9	99	99	96	96	0	96
B	CALLISTO 4SC	0.15	LAA	9						
24A	LUMAX 3.9L	2.44	LAA	9	99	98	97	97	0	96
25A	LUMAX 3.9L	2.93	LAA	9	99	99	97	94	0	95
26A	LEXAR 3.7L	3.23	LAA	9	99	99	97	98	0	95
B	PRINCEP 4L	1.00	LAA	9						

TITLE: Metolachlor tank-mixes for weed control in corn. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMBEL	ABUTH	XANST	PHBPU	ZEAMD	SETFA	
		RATE	UNIT	TM	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 07/14/04	CON % 07/14/04	
27A	GUARDS MAX 5L	2.88	LAA	9	99	98	98	94	0	97	
B	BALANCE PRO 4S	0.047	LAA	9							
					LSD (0.05)	5.33	3.77	6.81	7.64	0.00	4.00
					STANDARD DEVIATION	2.67	1.89	3.40	3.82	0.00	2.00

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PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	CHEAL	POLPY	AMBEL	ABUTH	XANST	PHBPU
		RATE	UNIT		CON % 07/14/04	CON % 07/14/04	CON % 07/14/04	CON % 07/14/04	CON % 07/14/04	CON % 07/14/04
1A	BICEP II MAGNU	1.78	LAA	9	98	98	83	88	87	78
2A	BICEP II MAGNU	2.68	LAA	9	98	99	87	96	85	93
3A	BICEP II MAGNU	3.03	LAA	9	97	99	91	91	90	85
4A	BICEP II MAGNU	3.58	LAA	9	97	99	92	92	91	88
5A	MANA-283 5.97L	1.43	LAA	9	95	98	85	82	80	77
B	ATRAZINE DF	0.35	LAA	9						
6A	MANA-283 5.97L	2.14	LAA	9	97	98	91	93	80	80
B	ATRAZINE DF	0.54	LAA	9						
7A	MANA-283 5.97L	2.43	LAA	9	97	99	97	96	87	87
B	ATRAZINE DF	0.60	LAA	9						
8A	MANA-283 5.97L	2.86	LAA	9	98	99	99	97	92	89
B	ATRAZINE DF	0.70	LAA	9						
9A	MANA-283 5.97L	3.22	LAA	9	98	98	96	94	94	92
10A	MANA-283 5.97L	3.66	LAA	9	97	99	94	94	92	93
11A	MANA-283 5.97L	4.29	LAA	9	98	99	95	96	96	94
12A	PARALLEL II 7.	0.78	LAA	9	98	99	94	97	94	94
B	ATRAZINE DF	1.00	LAA	9						
13A	PARALLEL II 7.	1.17	LAA	9	97	98	98	96	95	93
B	ATRAZINE DF	1.51	LAA	9						
14A	PARALLEL II 7.	1.56	LAA	9	99	99	97	97	93	93
B	ATRAZINE DF	2.00	LAA	9						
15A	PARALLEL II 7.	1.76	LAA	9	99	99	98	98	94	95
B	ATRAZINE DF	1.46	LAA	9						
16A	PARALLEL II 7.	1.96	LAA	9	98	98	97	97	94	95
B	ATRAZINE DF	1.66	LAA	9						
17A	PARALLEL II 7.	2.34	LAA	9	98	99	94	97	93	96
B	ATRAZINE DF	1.95	LAA	9						
18A	MANA-283 5.97L	2.14	LAA	9	99	99	99	99	96	89
B	CALLISTO 4SC	0.15	LAA	9						
C	ATRAZINE DF	0.54	LAA	9						
19A	MANA-283 5.97L	2.68	LAA	9	99	99	98	99	96	91
B	CALLISTO 4SC	0.15	LAA	9						
C	ATRAZINE DF	0.78	LAA	9						
20A	CHECK	0.00	NA	0	0	0	0	0	0	0
21A	MANA-283 5.97L	3.22	LAA	9	99	99	99	99	95	94
B	CALLISTO 4SC	0.15	LAA	9						
22A	MANA-283 5.97L	3.59	LAA	9	99	99	98	99	95	92
B	CALLISTO 4SC	0.15	LAA	9						
23A	MANA-283 5.97L	4.29	LAA	9	99	99	99	99	93	94
B	CALLISTO 4SC	0.15	LAA	9						
24A	LUMAX 3.9L	2.44	LAA	9	99	99	99	98	95	95
25A	LUMAX 3.9L	2.93	LAA	9	99	99	99	99	97	95
26A	LEXAR 3.7L	3.23	LAA	9	99	99	99	99	96	94
B	PRINCEP 4L	1.00	LAA	9						

TITLE: Metolachlor tank-mixes for weed control in corn. C-400

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	CHEAL CON % 07/14/04	POLPY CON % 07/14/04	AMBEL CON % 07/14/04	ABUTH CON % 07/14/04	XANST CON % 07/14/04	PHBPU CON % 07/14/04
27A»GUARDS MAX 5L	2.88	LAA	9	99	99	99	97	98	89
B»BALANCE PRO 4S	0.047	LAA	9						
	LSD (0.05)			2.00	1.05	6.11	4.85	8.13	9.72
	STANDARD DEVIATION			1.00	0.526	3.06	2.42	4.06	4.86

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
09 = ----- / PREEMERGENCE 05/11/2004(1)

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 %	05/28/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/28/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/28/2004	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	05/28/2004	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMBEL	CON %	05/28/2004	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	05/28/2004	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	05/28/2004	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	05/28/2004	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	06/14/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	06/14/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	06/14/2004	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	CON %	06/14/2004	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBEL	CON %	06/14/2004	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	06/14/2004	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	XANST	CON %	06/14/2004	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	PHBPU	CON %	06/14/2004	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ZEAMD	CON %	07/14/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	SETFA	CON %	07/14/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	CHEAL	CON %	07/14/2004	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	POLPY	CON %	07/14/2004	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	AMBEL	CON %	07/14/2004	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ABUTH	CON %	07/14/2004	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	XANST	CON %	07/14/2004	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	07/14/2004	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 60-19RR