

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.8
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	04/28/05	AME
AIR TEMPERATURE	52	F
% REL.HUMIDITY	40	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	7.0	M/H
CLOUD COVER	CLOUDY	
DEW	---	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/01	
PIONEER 3367	/	IN
04/28/2005		

* TIMING CODES

09 = ----- / PREEMERGENCE

* STAGE CODE

01 = BEGINNING OF IMBIBITION

TITLE: Comparison of Metolachlor and Atrazine Premixes in Corn. C-500
CREATED: 04/15/2005 **REVISED:** 08/09/2005 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	ZEAMD CON % 05/25/05	SETFA CON % 05/25/05	CHEAL CON % 05/25/05	POLPY CON % 05/25/05	AMBEL CON % 05/25/05	ABUTH CON % 05/25/05
1A»MANA-283 5.97L	1.84 LAA	9	0	43	70	70	62	50
2A»MANA-283 5.97L	2.75 LAA	9	0	57	80	81	69	60
3A»MANA-283 5.97L	3.67 LAA	9	0	68	98	98	85	75
4A»MANA 284 5.5L	1.77 LAA	9	0	47	68	70	55	43
5A»MANA 284 5.5L	2.67 LAA	9	0	55	76	78	63	50
6A»MANA 284 5.5L	3.55 LAA	9	0	63	98	98	82	68
7A BICEP II MAG	1.53 LAA	9	0	57	65	64	58	47
8A BICEP II MAG	2.30 LAA	9	0	60	82	80	68	62
9A CHECK	0.00 NA	0	0	0	0	0	0	0
10A BICEP II MAG	3.44 LAA	9	0	68	98	98	82	68
11A BICEP II MAG	4.59 LAA	9	0	72	99	99	82	75
12A»LEXAR 3.7L	3.23 LAA	9	0	65	98	98	87	91
LSD (0.05)			0.00	11.39	13.75	13.75	15.32	14.28
STANDARD DEVIATION			0.00	5.49	6.63	6.63	7.39	6.89

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TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	PHBPU CON % 05/25/05	ZEAMD CON % 06/29/05	SETFA CON % 06/29/05	CHEAL CON % 06/29/05	POLPY CON % 06/29/05	AMBEL CON % 06/29/05
1A»MANA-283 5.97L	1.84 LAA	9	47	0	43	33	33	0
2A»MANA-283 5.97L	2.75 LAA	9	53	0	52	57	47	0
3A»MANA-283 5.97L	3.67 LAA	9	70	0	60	78	70	30
4A»MANA 284 5.5L	1.77 LAA	9	40	0	40	40	37	0
5A»MANA 284 5.5L	2.67 LAA	9	50	0	40	50	43	0
6A»MANA 284 5.5L	3.55 LAA	9	63	0	47	66	62	27
7A BICEP II MAG	1.53 LAA	9	43	0	23	0	0	0
8A BICEP II MAG	2.30 LAA	9	50	0	33	48	43	0
9A CHECK	0.00 NA	0	0	0	0	0	0	0
10A BICEP II MAG	3.44 LAA	9	60	0	55	70	63	25
11A BICEP II MAG	4.59 LAA	9	73	0	55	85	83	47
12A»LEXAR 3.7L	3.23 LAA	9	90	0	47	93	92	40
LSD (0.05)			15.00	0.00	12.74	15.15	18.46	11.07
STANDARD DEVIATION			7.21	0.00	6.14	7.30	8.90	5.34

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TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	ABUTH CON % 06/29/05	PHBPU CON % 06/29/05
1A»MANA-283 5.97L	1.84 LAA	9	0	0
2A»MANA-283 5.97L	2.75 LAA	9	0	0
3A»MANA-283 5.97L	3.67 LAA	9	7	7
4A»MANA 284 5.5L	1.77 LAA	9	0	0
5A»MANA 284 5.5L	2.67 LAA	9	0	0
6A»MANA 284 5.5L	3.55 LAA	9	7	7
7A BICEP II MAG	1.53 LAA	9	0	0
8A BICEP II MAG	2.30 LAA	9	0	0
9A CHECK	0.00 NA	0	0	0
10A BICEP II MAG	3.44 LAA	9	0	0
11A BICEP II MAG	4.59 LAA	9	0	0
12A»LEXAR 3.7L	3.23 LAA	9	75	33
LSD (0.05)			8.00	7.75
STANDARD DEVIATION			3.85	3.74

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 04/28/2005(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	05/25/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/25/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/25/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	05/25/2005	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMBEL	CON %	05/25/2005	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	05/25/2005	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	05/25/2005	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/29/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/29/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/29/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	POLPY	CON %	06/29/2005	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMBEL	CON %	06/29/2005	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	06/29/2005	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	06/29/2005	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 3367