

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.8  
 %OM: 5.2  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	05/05/05	AME
AIR TEMPERATURE	66	F
% REL. HUMIDITY	30	
WIND DIRECTION	---	
WIND SPEED	0.0	M/H
CLOUD COVER	PARTCLDY	
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	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	
PIONEER 3367	/	IN
05/05/2005		

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

\* STAGE CODE  
 01 = BEGINNING OF IMBIBITION

**TITLE:** Comparison of Acetochlor and Mesotrione Premixes in Corn. M-17E  
**CREATED:** 04/16/2005 **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 33.00 FT LONG **REPS:** 03

TRT	TREATMENT	DOSAGE		ZEAMD	CHEAL	POLPY	AMATA	PHBPU	ABUTH
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05	06/06/05
1A	MAN-ACE 6.4EC	0.80	LAA 9	0	62	27	0	13	0
2A	MAN-ACE 6.4EC	1.20	LAA 9	0	76	55	50	48	0
3A	MAN-ACE 6.4EC	1.60	LAA 9	0	81	62	57	57	17
4A	ACETO+ATRAZ 5.	1.21	LAA 9	0	55	30	30	37	0
5A	ACETO+ATRAZ 5.	1.81	LAA 9	0	78	73	67	75	33
6A	ACETO+ATRAZ 5.	2.42	LAA 9	0	81	86	85	87	40
7A	ACETO+ATRAZ 5.	1.21	LAA 9	0	58	50	47	53	0
	B CALLISTO 4SC	0.094	LAA 9						
8A	ACETO+ATRAZ 5.	1.21	LAA 9	0	72	72	63	73	33
	B CALLISTO 4SC	0.15	LAA 9						
9A	ACETO+ATRAZ 5.	1.81	LAA 9	0	78	85	80	84	48
	B CALLISTO 4SC	0.094	LAA 9						
10A	ACETO+ATRAZ 5.	1.81	LAA 9	0	81	90	87	89	37
	B CALLISTO 4SC	0.15	LAA 9						
11A	ACETO+ATRAZ 5.	2.42	LAA 9	0	81	95	95	97	65
	B CALLISTO 4SC	0.094	LAA 9						
12A	ACETO+ATRAZ 5.	2.42	LAA 9	0	83	89	94	95	60
	B CALLISTO 4SC	0.15	LAA 9						
13A	ATRAZINE DF	0.41	LAA 9	0	0	27	27	23	0
14A	ATRAZINE DF	0.61	LAA 9	0	0	33	27	30	0
15A	ATRAZINE DF	0.81	LAA 9	0	27	60	50	53	0
16A	CALLISTO 4SC	0.094	LAA 9	0	0	40	37	30	0
17A	CALLISTO 4SC	0.15	LAA 9	0	0	43	50	40	23
18A	CHECK	0.00	NA 0	0	0	0	0	0	0
19A	KEYSTONE 5.25	3.36	LAA 9	0	86	99	99	98	75
	B HORNET 68.5WG	0.171	LAA 9						
20A	EPIC PRO 4L	0.435	LAA 9	0	92	99	99	98	84
	B ATRAZINE DF	1.50	LAA 9						
		LSD (0.05)		0.00	8.00	11.24	11.93	12.51	8.88
		STANDARD DEVIATION		0.00	4.00	5.56	5.90	6.19	4.39

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TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	XANST	ZEAMD	SETFA	CHEAL	POLPY
		RATE	UNIT		CON % 06/06/05	CON % 06/06/05	CON % 07/06/05	CON % 07/06/05	CON % 07/06/05	CON % 07/06/05
1A	MAN-ACE 6.4EC	0.80	LAA	9	0	0	0	37	30	20
2A	MAN-ACE 6.4EC	1.20	LAA	9	0	0	0	53	47	33
3A	MAN-ACE 6.4EC	1.60	LAA	9	0	0	0	63	60	47
4A	ACETO+ATRAZ 5.	1.21	LAA	9	0	0	0	47	43	50
5A	ACETO+ATRAZ 5.	1.81	LAA	9	27	23	0	57	62	60
6A	ACETO+ATRAZ 5.	2.42	LAA	9	27	23	0	79	92	87
7A	ACETO+ATRAZ 5.	1.21	LAA	9	0	0	0	50	52	62
	B CALLISTO 4SC	0.094	LAA	9						
8A	ACETO+ATRAZ 5.	1.21	LAA	9	27	23	0	63	73	77
	B CALLISTO 4SC	0.15	LAA	9						
9A	ACETO+ATRAZ 5.	1.81	LAA	9	47	37	0	82	90	90
	B CALLISTO 4SC	0.094	LAA	9						
10A	ACETO+ATRAZ 5.	1.81	LAA	9	33	23	0	82	94	96
	B CALLISTO 4SC	0.15	LAA	9						
11A	ACETO+ATRAZ 5.	2.42	LAA	9	80	62	0	78	96	95
	B CALLISTO 4SC	0.094	LAA	9						
12A	ACETO+ATRAZ 5.	2.42	LAA	9	80	58	0	81	98	97
	B CALLISTO 4SC	0.15	LAA	9						
13A	ATRAZINE DF	0.41	LAA	9	0	0	0	0	43	43
14A	ATRAZINE DF	0.61	LAA	9	0	0	0	0	68	60
15A	ATRAZINE DF	0.81	LAA	9	0	0	0	0	72	68
16A	CALLISTO 4SC	0.094	LAA	9	47	0	0	0	68	67
17A	CALLISTO 4SC	0.15	LAA	9	67	0	0	0	81	78
18A	CHECK	0.00	NA	0	0	0	0	0	0	0
19A	KEYSTONE 5.25	3.36	LAA	9	77	78	0	83	97	98
	B HORNET 68.5WG	0.171	LAA	9						
20A	EPIC PRO 4L	0.435	LAA	9	93	82	0	86	99	99
	B ATRAZINE DF	1.50	LAA	9						
		LSD (0.05)			11.95	5.80	0.00	7.27	12.26	11.72
		STANDARD DEVIATION			5.91	2.87	0.00	3.60	6.06	5.80

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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 33.00 FT LONG **REPS:** 03

TRT	TREATMENT	DOSAGE	AMATA	PHBPU	ABUTH	XANST	
NUM	COMPONENT	RATE	CON %	CON %	CON %	CON %	
		UNIT	07/06/05	07/06/05	07/06/05	07/06/05	
1A	MAN-ACE 6.4EC	0.80	LAA 9	0	0	0	0
2A	MAN-ACE 6.4EC	1.20	LAA 9	27	0	0	0
3A	MAN-ACE 6.4EC	1.60	LAA 9	47	0	0	0
4A	ACETO+ATRAZ 5.	1.21	LAA 9	47	0	0	0
5A	ACETO+ATRAZ 5.	1.81	LAA 9	62	0	0	0
6A	ACETO+ATRAZ 5.	2.42	LAA 9	86	37	33	30
7A	ACETO+ATRAZ 5.	1.21	LAA 9	62	27	37	23
	B CALLISTO 4SC	0.094	LAA 9				
8A	ACETO+ATRAZ 5.	1.21	LAA 9	80	37	48	30
	B CALLISTO 4SC	0.15	LAA 9				
9A	ACETO+ATRAZ 5.	1.81	LAA 9	94	57	82	63
	B CALLISTO 4SC	0.094	LAA 9				
10A	ACETO+ATRAZ 5.	1.81	LAA 9	96	60	78	60
	B CALLISTO 4SC	0.15	LAA 9				
11A	ACETO+ATRAZ 5.	2.42	LAA 9	95	68	76	73
	B CALLISTO 4SC	0.094	LAA 9				
12A	ACETO+ATRAZ 5.	2.42	LAA 9	96	72	91	81
	B CALLISTO 4SC	0.15	LAA 9				
13A	ATRAZINE DF	0.41	LAA 9	0	0	0	0
14A	ATRAZINE DF	0.61	LAA 9	37	0	0	0
15A	ATRAZINE DF	0.81	LAA 9	58	0	10	10
16A	CALLISTO 4SC	0.094	LAA 9	60	10	62	0
17A	CALLISTO 4SC	0.15	LAA 9	75	23	70	30
18A	CHECK	0.00	NA 0	0	0	0	0
19A	KEYSTONE 5.25	3.36	LAA 9	97	73	63	62
	B HORNET 68.5WG	0.171	LAA 9				
20A	EPIC PRO 4L	0.435	LAA 9	94	84	94	84
	B ATRAZINE DF	1.50	LAA 9				
		LSD (0.05)		11.19	11.32	15.30	12.43
		STANDARD DEVIATION		5.54	5.60	7.57	6.15

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/05/2005(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 %	06/06/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	CHEAL	CON %	06/06/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	POLPY	CON %	06/06/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/06/2005	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/06/2005	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/06/2005	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ABUTH	CON %	06/06/2005	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Comparison of Acetochlor and Mesotrione Premixes in Corn. M-17E

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
008	XANST	CON %	06/06/2005	08	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/06/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/06/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	07/06/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	CON %	07/06/2005	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	07/06/2005	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	07/06/2005	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ABUTH	CON %	07/06/2005	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	XANST	CON %	07/06/2005	08	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 3367