

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	63	F
% REL.HUMIDITY	30	
WIND DIRECTION	SOUTHEAST	
WIND SPEED	1.0	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	30.00	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 Atrazine 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 NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	AMATA	PHBPU	
		RATE	UNIT		CON % 06/06/05	CON % 06/06/05	CON % 06/06/05	CON % 06/06/05	CON % 06/06/05	CON % 06/06/05	
1A	»ACETO+ATRAZ 5.	1.14	LAA	9	0	60	47	43	53	0	
2A	»ACETO+ATRAZ 5.	2.26	LAA	9	0	68	67	57	67	0	
3A	»ACETO+ATRAZ 5.	3.39	LAA	9	0	86	96	93	95	23	
4A	»ACETO+ATRAZ 5.	4.53	LAA	9	0	87	98	98	98	47	
5A	DEGREE XTRA	1.11	LAA	9	0	50	60	53	58	0	
6A	DEGREE XTRA	2.24	LAA	9	0	68	76	73	74	13	
7A	DEGREE XTRA	3.39	LAA	9	0	72	83	77	80	17	
8A	DEGREE XTRA	4.48	LAA	9	0	89	99	99	99	62	
9A	»MAN-ACE 6.4EC	0.75	LAA	9	0	73	82	75	79	30	
	B ATRAZINE DF	0.375	LAA	9							
10A	»MAN-ACE 6.4EC	3.00	LAA	9	0	90	99	99	99	67	
	B ATRAZINE DF	1.50	LAA	9							
11A	DEGREE 3.8CS	0.75	LAA	9	0	45	40	33	43	0	
	B ATRAZINE DF	0.375	LAA	9							
12A	DEGREE 3.8CS	3.00	LAA	9	0	75	99	99	99	43	
	B ATRAZINE DF	1.50	LAA	9							
13A	CHECK	0.00	NA	0	0	0	0	0	0	0	
14A	»KEYSTONE 5.25L	3.36	LAA	9	0	81	99	99	99	47	
					LSD (0.05)	0.00	9.75	9.70	10.25	11.61	16.24
					STANDARD DEVIATION	0.00	4.74	4.72	5.00	5.65	7.90

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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	»ACETO+ATRAZ 5.	1.14	LAA	9	0	0	0	43	50	47	
2A	»ACETO+ATRAZ 5.	2.26	LAA	9	0	0	0	63	73	67	
3A	»ACETO+ATRAZ 5.	3.39	LAA	9	13	7	0	77	86	87	
4A	»ACETO+ATRAZ 5.	4.53	LAA	9	23	23	0	85	98	98	
5A	DEGREE XTRA	1.11	LAA	9	0	0	0	33	37	43	
6A	DEGREE XTRA	2.24	LAA	9	0	0	0	48	65	67	
7A	DEGREE XTRA	3.39	LAA	9	0	0	0	67	85	84	
8A	DEGREE XTRA	4.48	LAA	9	60	47	0	88	96	97	
9A	»MAN-ACE 6.4EC	0.75	LAA	9	13	13	0	37	50	47	
	B ATRAZINE DF	0.375	LAA	9							
10A	»MAN-ACE 6.4EC	3.00	LAA	9	53	57	0	80	86	88	
	B ATRAZINE DF	1.50	LAA	9							
11A	DEGREE 3.8CS	0.75	LAA	9	0	0	0	30	30	27	
	B ATRAZINE DF	0.375	LAA	9							
12A	DEGREE 3.8CS	3.00	LAA	9	27	23	0	76	93	93	
	B ATRAZINE DF	1.50	LAA	9							
13A	CHECK	0.00	NA	0	0	0	0	0	0	0	
14A	»KEYSTONE 5.25L	3.36	LAA	9	37	37	0	78	97	97	
					LSD (0.05)	15.00	14.10	0.00	9.93	6.76	7.00
					STANDARD DEVIATION	7.28	6.86	0.00	4.83	3.29	3.39

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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	»ACETO+ATRAZ 5.	1.14	LAA 9	37	0	0
2A	»ACETO+ATRAZ 5.	2.26	LAA 9	70	27	20
3A	»ACETO+ATRAZ 5.	3.39	LAA 9	84	37	40
4A	»ACETO+ATRAZ 5.	4.53	LAA 9	98	57	55
5A	DEGREE XTRA	1.11	LAA 9	40	0	0
6A	DEGREE XTRA	2.24	LAA 9	62	27	23
7A	DEGREE XTRA	3.39	LAA 9	86	43	40
8A	DEGREE XTRA	4.48	LAA 9	96	57	53
9A	»MAN-ACE 6.4EC	0.75	LAA 9	47	0	0
	B ATRAZINE DF	0.375	LAA 9			
10A	»MAN-ACE 6.4EC	3.00	LAA 9	87	43	37
	B ATRAZINE DF	1.50	LAA 9			
11A	DEGREE 3.8CS	0.75	LAA 9	23	0	0
	B ATRAZINE DF	0.375	LAA 9			
12A	DEGREE 3.8CS	3.00	LAA 9	91	40	33
	B ATRAZINE DF	1.50	LAA 9			
13A	CHECK	0.00	NA 0	0	0	0
14A	»KEYSTONE 5.25L	3.36	LAA 9	96	50	43
		LSD (0.05)		8.46	10.82	9.52
		STANDARD DEVIATION		4.12	5.26	4.63

» = 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	SETFA	CON %	06/06/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/06/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	06/06/2005	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	06/06/2005	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	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
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