

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE:
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/05/00	05/19/00	05/30/00	06/06/00	AME
AIR TEMPERATURE	77	51	79	62	F
% REL.HUMIDITY	70	85	60	55	
WIND DIRECTION	SOUTH	NORTH	NORTH	NORTH	
WIND SPEED	5.0	5.0	7.0	3.0	M/H
CLOUD COVER	PARTCLDY	CLOUDY	CLEAR	CLEAR	
DEW	---	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT		---	---	---	
DENSITY /					
*** CROP ***					
CORN, DENT		---/11	---/13	---/15	
PIONEER 34R07		3.00/3.00	8.00/8.00	18.0/18.0	IN
05/05/2000					
*** PEST ***					
WATERHEMP, COMMO		---/11	---/14	---/19	
		0.50/0.50	2.00/2.00	5.00/5.00	IN
LAMBSQUARTERS, C		---/10	---/18	---/19	
		0.50/0.50	2.00/2.00	4.00/4.00	IN
FOXTAIL, GIANT		---/11	---/12	---/13	
		1.00/1.00	2.00/2.00	6.00/6.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 10 = ----- / VEPOST
 11 = ----- / EPOST
 12 = ----- / POST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = FIRST LEAF UNFOLDED
 12 = 2 LEAVES UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: CDOWWH DOW SYSTEMS FOR CO. WATERHEMP CONTROL IN CORN AS-400
CREATED: 04/12/2000 **REVISED:** 08/01/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMATA	CHEAL	ZEAMD	SETFA
		RATE	UNIT		06/13/00	06/13/00	06/13/00	06/13/00	06/26/00	06/26/00
1A	DUAL II MAGNUM	0.95	LAA	9	0	91	98	95	0	78
	B>HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.75	LAA	11						
	D>COC	1.00	PMV	11						
	E AM. SULFATE	12.50	PMG	11						
2A	DUAL II MAGNUM	0.95	LAA	9	0	80	95	99	0	58
	B>HORNET 68.5WG	0.128	LAA	11						
	C>AIM 40 DF	0.008	LAA	11						
	D>ACTIVATOR 90	0.25	PMV	11						
	E AM. SULFATE	12.50	PMG	11						
3A	DUAL II MAGNUM	0.95	LAA	9	0	84	97	80	0	57
	B>HORNET 68.5WG	0.128	LAA	11						
	C CLARITY	0.125	LAA	11						
	D>ACTIVATOR 90	0.25	PMV	11						
	E AM. SULFATE	12.50	PMG	11						
4A	DUAL II MAGNUM	0.95	LAA	9	0	92	99	99	0	96
	B>HORNET 68.5WG	0.128	LAA	12						
	C ATRAZINE DF	0.75	LAA	12						
	D>COC	1.00	PMV	12						
	E AM. SULFATE	12.50	PMG	12						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A	DUAL II MAGNUM	0.95	LAA	9	0	87	99	85	0	63
	B>HORNET 68.5WG	0.128	LAA	12						
	C>AIM 40 DF	0.008	LAA	12						
	D>ACTIVATOR 90	0.25	PMV	12						
	E AM. SULFATE	12.50	PMG	12						
7A	DUAL II MAGNUM	0.95	LAA	9	0	77	99	67	0	60
	B>HORNET 68.5WG	0.128	LAA	12						
	C CLARITY	0.125	LAA	12						
	D>ACTIVATOR 90	0.25	PMV	12						
	E AM. SULFATE	12.50	PMG	12						
8A	PENDIMAX 3.3L	1.24	LAA	9	0	84	96	99	0	68
	B>HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.75	LAA	11						
	D>COC	1.00	PMV	11						
	E AM. SULFATE	12.50	PMG	11						
9A	DUAL II MAGNUM	0.95	LAA	9	0	93	96	88	0	72
	B RESOURCE (0.86	0.027	LAA	11						
	C ATRAZINE DF	0.75	LAA	11						
	D>COC	0.63	PMV	11						
10A	BICEP II MAGNU	3.57	LAA	10	0	96	91	99	0	82
	B>HORNET 68.5WG	0.128	LAA	10						
	C>COC	1.00	PMV	10						
11A	TOPNOTCH (3.2C	2.00	LAA	10	0	95	99	99	0	96
	B>ZA1296 4SC	0.094	LAA	10						
	C>COC	1.00	PMV	10						
12A	DUAL II MAGNUM	1.91	LAA	9	0	95	99	98	0	90
	B>HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.75	LAA	11						
	D>COC	1.00	PMV	11						
	E AM. SULFATE	12.50	PMG	11						
13A	DUAL II MAGNUM	1.91	LAA	9	0	89	99	90	0	82
	B>HORNET 68.5WG	0.128	LAA	11						
	C>AIM 40 DF	0.008	LAA	11						
	D>ACTIVATOR 90	0.25	PMV	11						
	E AM. SULFATE	12.50	PMG	11						

TITLE: CDOWWH DOW SYSTEMS FOR CO. WATERHEMP CONTROL IN CORN AS-400

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMATA	CHEAL	ZEAMD	SETFA
	RATE	UNIT		06/13/00	06/13/00	06/13/00	06/13/00	06/26/00	06/26/00
14A»DUAL II MAGNUM	1.91	LAA	9	0	87	99	87	0	67
B»HORNET 68.5WG	0.128	LAA	11						
C CLARITY	0.063	LAA	11						
D»ACTIVATOR 90	0.25	PMV	11						
E AM. SULFATE	12.50	PMG	11						
15A ACCENT 75WG	0.031	LAA	11	0	92	96	99	0	79
B»HORNET 68.5WG	0.128	LAA	11						
C ATRAZINE DF	0.75	LAA	11						
D»COC	1.00	PMV	11						
E AM. SULFATE	12.50	PMG	11						
16A ACCENT 75WG	0.031	LAA	11	0	79	72	83	0	68
B»HORNET 68.5WG	0.128	LAA	11						
C CLARITY	0.063	LAA	11						
D»ACTIVATOR 90	0.25	PMV	11						
E AM. SULFATE	12.50	PMG	11						
	LSD (0.05)			0.00	9.75	6.80	9.65	0.00	13.39
	STANDARD DEVIATION			0.00	4.77	3.33	4.73	0.00	6.56

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LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		AMATA		CHEAL	
		RATE	UNIT	TM	06/26/00	06/26/00	
1A	DUAL II MAGNUM	0.95	LAA	9	83	99	
B	HORNET 68.5WG	0.128	LAA	11			
C	ATRAZINE DF	0.75	LAA	11			
D	COC	1.00	PMV	11			
E	AM. SULFATE	12.50	PMG	11			
2A	DUAL II MAGNUM	0.95	LAA	9	62	82	
B	HORNET 68.5WG	0.128	LAA	11			
C	AIM 40 DF	0.008	LAA	11			
D	ACTIVATOR 90	0.25	PMV	11			
E	AM. SULFATE	12.50	PMG	11			
3A	DUAL II MAGNUM	0.95	LAA	9	91	99	
B	HORNET 68.5WG	0.128	LAA	11			
C	CLARITY	0.125	LAA	11			
D	ACTIVATOR 90	0.25	PMV	11			
E	AM. SULFATE	12.50	PMG	11			
4A	DUAL II MAGNUM	0.95	LAA	9	92	96	
B	HORNET 68.5WG	0.128	LAA	12			
C	ATRAZINE DF	0.75	LAA	12			
D	COC	1.00	PMV	12			
E	AM. SULFATE	12.50	PMG	12			
5A	CHECK	0.00	NA	0	0	0	
6A	DUAL II MAGNUM	0.95	LAA	9	93	90	
B	HORNET 68.5WG	0.128	LAA	12			
C	AIM 40 DF	0.008	LAA	12			
D	ACTIVATOR 90	0.25	PMV	12			
E	AM. SULFATE	12.50	PMG	12			
7A	DUAL II MAGNUM	0.95	LAA	9	99	99	
B	HORNET 68.5WG	0.128	LAA	12			
C	CLARITY	0.125	LAA	12			
D	ACTIVATOR 90	0.25	PMV	12			
E	AM. SULFATE	12.50	PMG	12			
8A	PENDIMAX 3.3L	1.24	LAA	9	90	99	
B	HORNET 68.5WG	0.128	LAA	11			
C	ATRAZINE DF	0.75	LAA	11			
D	COC	1.00	PMV	11			
E	AM. SULFATE	12.50	PMG	11			
9A	DUAL II MAGNUM	0.95	LAA	9	63	92	
B	RESOURCE (0.86	0.027	LAA	11			
C	ATRAZINE DF	0.75	LAA	11			
D	COC	0.63	PMV	11			
10A	BICEP II MAGNU	3.57	LAA	10	80	99	
B	HORNET 68.5WG	0.128	LAA	10			
C	COC	1.00	PMV	10			
11A	TOPNOTCH (3.2C	2.00	LAA	10	91	99	
B	ZA1296 4SC	0.094	LAA	10			
C	COC	1.00	PMV	10			
12A	DUAL II MAGNUM	1.91	LAA	9	96	99	
B	HORNET 68.5WG	0.128	LAA	11			
C	ATRAZINE DF	0.75	LAA	11			
D	COC	1.00	PMV	11			
E	AM. SULFATE	12.50	PMG	11			
13A	DUAL II MAGNUM	1.91	LAA	9	78	89	
B	HORNET 68.5WG	0.128	LAA	11			
C	AIM 40 DF	0.008	LAA	11			
D	ACTIVATOR 90	0.25	PMV	11			
E	AM. SULFATE	12.50	PMG	11			

TITLE: CDOWWH DOW SYSTEMS FOR CO. WATERHEMP CONTROL IN CORN AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		AMATA	CHEAL	
		RATE	UNIT	TM 06/26/00	06/26/00	
14A	DUAL II MAGNUM	1.91	LAA	9	72	99
	B»HORNET 68.5WG	0.128	LAA	11		
	C CLARITY	0.063	LAA	11		
	D»ACTIVATOR 90	0.25	PMV	11		
	E AM. SULFATE	12.50	PMG	11		
15A	ACCENT 75WG	0.031	LAA	11	86	99
	B»HORNET 68.5WG	0.128	LAA	11		
	C ATRAZINE DF	0.75	LAA	11		
	D»COC	1.00	PMV	11		
	E AM. SULFATE	12.50	PMG	11		
16A	ACCENT 75WG	0.031	LAA	11	62	99
	B»HORNET 68.5WG	0.128	LAA	11		
	C CLARITY	0.063	LAA	11		
	D»ACTIVATOR 90	0.25	PMV	11		
	E AM. SULFATE	12.50	PMG	11		
		LSD (0.05)			12.15	6.27
		STANDARD DEVIATION			6.00	3.07

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/05/2000 (1)
- 10 = ----- / VEPOST 05/19/2000 (2)
- 11 = ----- / EPOST 05/30/2000 (3)
- 12 = ----- / POST 06/06/2000 (4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD		06/13/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA		06/13/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA		06/13/2000	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL		06/13/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD		06/26/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA		06/26/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATA		06/26/2000	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL		06/26/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34R07