

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV. CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	10	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/22/02	06/06/02	06/17/02	AME
AIR TEMPERATURE	65	62	80	F
% REL. HUMIDITY	48	60	50	
WIND DIRECTION	SOUTH	NORTHWEST	WEST	
WIND SPEED	10.0	6.0	5.0	M/H
CLOUD COVER	CLEAR	CLOUDY	PARTCLDY	
DEW	---	DRY	DRY	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
DEN/ STG/ MINMAXSZ				
*** CROP ***				
CORN, DENT		---/12	---/16	
GARST8600IT		5.00/5.00	14.0/14.0	IN
05/22/2002				
*** PEST ***				
WATERHEMP, COMMO		---/12	---/19	
		1.00/1.00	1.00/3.00	IN
MORNINGGLORY, TA		---/10	---/15	
		1.00/1.00	1.00/3.00	IN
FOXTAIL, GIANT		---/11	---/12	
		1.00/2.00	2.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = FIRST LEAF UNFOLDED
 12 = 2 LEAVES UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6 LEAVES UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Waterhemp Weed Control Systems in Corn AS-400

CREATED: 04/17/2002 REVISED: 08/23/2002

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			ZEAMD CON % 06/06/02	SETFA CON % 06/06/02	PHBPU CON % 06/06/02	AMATA CON % 06/06/02	ZEAMD CON % 06/25/02	SETFA CON % 06/25/02
		RATE	UNIT	TM						
1A	AXIOM	0.72	LAA	9	0	76	20	99	0	72
B	ATRAZINE DF	1.50	LAA	9						
2A	EPIC 58DF	0.36	LAA	9	0	82	86	99	0	85
B	ATRAZINE DF	1.50	LAA	9						
3A	EPIC 58DF	0.44	LAA	9	0	88	85	99	0	91
B	ATRAZINE DF	1.50	LAA	9						
4A	USA 2001 71.5W	0.54	LAA	9	0	87	88	99	0	92
B	ATRAZINE DF	1.50	LAA	9						
5A	USA 2001 71.5W	0.67	LAA	9	0	87	88	99	0	94
B	ATRAZINE DF	1.50	LAA	9						
6A	USA 2001 71.5W	0.67	LAA	9	0	87	83	99	0	92
B	ATRAZINE DF	1.50	LAA	9						
7A	USA 2001 71.5W	0.85	LAA	9	0	87	78	99	0	89
B	ATRAZINE DF	1.50	LAA	9						
8A	FULTIME 4SC	3.50	LAA	9	0	98	83	99	0	84
B	HORNET 68.5WG	0.128	LAA	9						
9A	KEYSTONE 5.1L	3.50	LAA	9	0	98	72	99	0	98
B	HORNET 68.5WG	0.128	LAA	9						
10A	TOPNOTCH (3.2C	2.00	LAA	9	0	98	13	99	0	97
B	HORNET 68.5WG	0.171	LAA	9						
11A	GUARDS MAX 5L	2.50	LAA	9	0	96	23	99	0	96
B	HORNET 68.5WG	0.047	LAA	9						
12A	CAMIX 3.66L	2.95	LAA	9	0	84	90	99	0	88
13A	LUMAX 3.9L	2.20	LAA	9	0	93	37	99	0	87
14A	GUARDS MAX 5L	2.50	LAA	9	0	96	79	93	0	98
B	MARKSMAN SC	1.20	LAA	10						
C	LIQUID AMS	2.50	PMV	10						
15A	OUTLOOK 6EC	0.98	LAA	9	0	96	23	23	0	98
B	MARKSMAN SC	1.50	LAA	10						
C	LIQUID AMS	2.50	PMV	10						
16A	CAMIX 3.66L	1.47	LAA	9	0	94	88	88	0	85
B	CAMIX 3.66L	0.73	LAA	11						
C	ACCENT 75WG	0.016	LAA	11						
D	COC	1.00	PMV	11						
17A	LUMAX 3.9L	1.97	LAA	9	0	83	92	92	0	95
B	LUMAX 3.9L	0.98	LAA	11						
C	ACCENT 75WG	0.016	LAA	11						
D	COC	1.00	PMV	11						
18A	GUARDS MAX 5L	2.50	LAA	9	0	94	82	92	0	75
B	DISTINCT 70WG	0.175	LAA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
19A	OUTLOOK 6EC	0.98	LAA	9	0	92	20	33	0	91
B	DISTINCT 70WG	0.175	LAA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
20A	CHECK	0.00	NA	0	0	0	0	0	0	0

DATA MEAN

TITLE: Waterhemp Weed Control Systems in Corn AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	PHBPU	AMATA	ZEAMD	SETFA
		RATE	UNIT		CON % 06/06/02	CON % 06/06/02	CON % 06/06/02	CON % 06/06/02	CON % 06/25/02	CON % 06/25/02
21A	BICEP II MAGNU	2.89	LAA	9	0	96	20	30	0	
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
22A	BICEP II MAGNU	2.89	LAA	9	0	84	13	20	0	
	B»NORTHSTAR 47.4	0.148	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
23A	DUAL II MAGNUM	1.91	LAA	9	0	87	20	37	0	
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
24A	FULTIME 4SC	3.50	LAA	9	0	96	20	27	0	
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.75	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
25A	SURPASS 6.4	2.00	LAA	9	0	96	20	37	0	
	B»HORNET 68.5WG	0.128	LAA	11						
	C»CALLISTO 4SC	0.047	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
26A	SURPASS 6.4	2.00	LAA	9	0	97	20	40	0	
	B»HORNET 68.5WG	0.128	LAA	11						
	C»CALLISTO 4SC	0.031	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	5.88	6.21	5.00	0.00	9.50
		STANDARD DEVIATION			0.00	2.94	3.11	2.49	0.00	4.75

DATA MEAN

TITLE: Waterhemp Weed Control Systems in Corn AS-400

CREATED: 04/17/2002 REVISED: 08/23/2002

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			PHBPU	AMATA	ZEAMD	SETFA	PHBPU	AMATA
		RATE	UNIT	TM	CON % 06/25/02	CON % 06/25/02	CON % 07/13/02	CON % 07/13/02	CON % 07/13/02	CON % 07/13/02
1A	AXIOM	0.72	LAA	9	20	88	0	47	20	99
B	ATRAZINE DF	1.50	LAA	9						
2A	EPIC 58DF	0.36	LAA	9	57	99	0	75	55	99
B	ATRAZINE DF	1.50	LAA	9						
3A	EPIC 58DF	0.44	LAA	9	81	99	0	82	62	99
B	ATRAZINE DF	1.50	LAA	9						
4A	USA 2001 71.5W	0.54	LAA	9	68	99	0	83	57	99
B	ATRAZINE DF	1.50	LAA	9						
5A	USA 2001 71.5W	0.67	LAA	9	67	99	0	82	43	99
B	ATRAZINE DF	1.50	LAA	9						
6A	USA 2001 71.5W	0.67	LAA	9	68	99	0	77	37	99
B	ATRAZINE DF	1.50	LAA	9						
7A	USA 2001 71.5W	0.85	LAA	9	68	99	0	87	33	99
B	ATRAZINE DF	1.50	LAA	9						
8A	FULTIME 4SC	3.50	LAA	9	67	99	0	92	47	99
B	HORNET 68.5WG	0.128	LAA	9						
9A	KEYSTONE 5.1L	3.50	LAA	9	58	99	0	82	23	99
B	HORNET 68.5WG	0.128	LAA	9						
10A	TOPNOTCH (3.2C	2.00	LAA	9	10	99	0	82	10	99
B	HORNET 68.5WG	0.171	LAA	9						
11A	GUARDS MAX 5L	2.50	LAA	9	10	99	0	82	10	96
B	HORNET 68.5WG	0.047	LAA	9						
12A	CAMIX 3.66L	2.95	LAA	9	90	99	0	60	85	96
13A	LUMAX 3.9L	2.20	LAA	9	68	99	0	80	50	99
14A	GUARDS MAX 5L	2.50	LAA	9	95	99	0	89	78	99
B	MARKSMAN SC	1.20	LAA	10						
C	LIQUID AMS	2.50	PMV	10						
15A	OUTLOOK 6EC	0.98	LAA	9	96	99	0	90	83	99
B	MARKSMAN SC	1.50	LAA	10						
C	LIQUID AMS	2.50	PMV	10						
16A	CAMIX 3.66L	1.47	LAA	9	96	99	0	85	93	96
B	CAMIX 3.66L	0.73	LAA	11						
C	ACCENT 75WG	0.016	LAA	11						
D	COC	1.00	PMV	11						
17A	LUMAX 3.9L	1.97	LAA	9	96	99	0	91	93	99
B	LUMAX 3.9L	0.98	LAA	11						
C	ACCENT 75WG	0.016	LAA	11						
D	COC	1.00	PMV	11						
18A	GUARDS MAX 5L	2.50	LAA	9	87	99	0	63	90	99
B	DISTINCT 70WG	0.175	LAA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
19A	OUTLOOK 6EC	0.98	LAA	9	90	99	0	70	92	95
B	DISTINCT 70WG	0.175	LAA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
20A	CHECK	0.00	NA	0	0	0	0	0	0	0

DATA MEAN

TITLE: Waterhemp Weed Control Systems in Corn AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	AMATA	ZEAMD	SETFA	PHBPU	AMATA
		RATE	UNIT		CON % 06/25/02	CON % 06/25/02	CON % 07/13/02	CON % 07/13/02	CON % 07/13/02	CON % 07/13/02
21A	BICEP II MAGNU	2.89	LAA	9			0	73	82	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
22A	BICEP II MAGNU	2.89	LAA	9			0	77	87	99
	B»NORTHSTAR 47.4	0.148	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
23A	DUAL II MAGNUM	1.91	LAA	9			0	65	92	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
24A	FULTIME 4SC	3.50	LAA	9			0	91	83	99
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.75	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
25A	SURPASS 6.4	2.00	LAA	9			0	78	90	99
	B»HORNET 68.5WG	0.128	LAA	11						
	C»CALLISTO 4SC	0.047	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
26A	SURPASS 6.4	2.00	LAA	9			0	82	92	99
	B»HORNET 68.5WG	0.128	LAA	11						
	C»CALLISTO 4SC	0.031	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
		LSD (0.05)			6.00	2.49	0.00	18.00	16.28	3.64
		STANDARD DEVIATION			3.00	1.25	0.00	9.00	8.14	1.82

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/22/2002(1)
 10 = ----- / VEPOST 06/06/2002(2)
 11 = ----- / EPOST 06/17/2002(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
01	ZEAMD	CON %	06/06/2002	01	P	ZEAMD	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	06/06/2002	02	P	SETFA	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	PHBPU	CON %	06/06/2002	03	P	PHBPU	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	AMATA	CON %	06/06/2002	04	P	AMATA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	ZEAMD	CON %	06/25/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	SETFA	CON %	06/25/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	PHBPU	CON %	06/25/2002	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	AMATA	CON %	06/25/2002	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	ZEAMD	CON %	07/13/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	SETFA	CON %	07/13/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	PHBPU	CON %	07/13/2002	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	AMATA	CON %	07/13/2002	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = GARST8600IT

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = FIRST LEAF UNFOLDED
 12 = 2 LEAVES UNFOLDED