

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	06/14/02	AME
AIR TEMPERATURE	65	62	70	F
% REL. HUMIDITY	48	60	46	
WIND DIRECTION	SOUTH	NORTHWEST	WEST	
WIND SPEED	10.0	6.0	10.0	M/H
CLOUD COVER	CLEAR	CLOUDY	OVERCAST	
DEW	---	DRY	DRY	
SOIL MOISTURE	---	MOIST/MOI	MOIST/MOI	
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 GARST8600IT 05/22/2002		---/12 5.00/5.00	---/15 12.0/12.0	IN
*** PEST *** WATERHEMP, COMMO		---/13 1.00/1.00	---/19 2.00/4.00	IN
MORNINGGLORY, TA		---/10 1.00/1.00	---/15 1.00/3.00	IN
FOXTAIL, GIANT		---/11 1.00/2.00	---/13 4.00/6.00	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
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5 LEAVES UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Waterhemp Weed Control Systems in Clearfield Corn AS-400
 CREATED: 04/17/2002 REVISED: 11/11/2002 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	SETFA	PHBPU	AMATA	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 06/07/02	CON % 06/07/02	CON % 06/07/02	CON % 06/07/02	CON % 06/25/02	CON % 06/25/02
1A	GUARDS MAX 5L	1.25	LAA	9	0	97	73	96	0	99
B	LIGHTNING 70DG	0.056	LAA	11						
C	DISTINCT 70WG	0.175	LAA	11						
D	ACTIVATOR 90	0.25	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
2A	OUTLOOK 6EC	0.47	LAA	9	0	94	67	99	0	98
B	LIGHTNING 70DG	0.056	LAA	11						
C	DISTINCT 70WG	0.175	LAA	11						
D	ACTIVATOR 90	0.25	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
3A	ATRAZINE DF	2.00	LAA	9	0	57	63	96	0	60
B	CELEBRITY PLUS	0.21	LMA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
4A	ATRAZINE DF	1.00	LAA	9	0	33	23	96	0	37
B	BASIS GOLD 90D	0.79	LAA	11						
C	CALLISTO 4SC	0.063	LAA	11						
D	COC	1.00	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
5A	ATRAZINE DF	1.50	LAA	9	0	57	53	86	0	57
B	STEADFAST 75DF	0.035	LAA	11						
C	CALLISTO 4SC	0.063	LAA	11						
D	ATRAZINE DF	0.25	LAA	11						
E	COC	1.00	PMV	11						
F	LIQUID AMS	2.50	PMV	11						
6A	ATRAZINE DF	1.50	LAA	9	0	63	67	99	0	75
B	SPIRIT 57WG	0.036	LAA	11						
C	ACCENT 75WG	0.016	LAA	11						
D	CALLISTO 4SC	0.063	LAA	11						
E	ATRAZINE DF	0.25	LAA	11						
F	COC	1.00	PMV	11						
G	LIQUID AMS	2.50	PMV	11						
7A	ATRAZINE DF	1.50	LAA	9	0	53	57	93	0	94
B	OPTION 35WDG	0.033	LAA	11						
C	DISTINCT 70WG	0.13	LAA	11						
D	MSO	1.00	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
8A	LIGHTNING 70DG	0.056	LAA	10	0				0	85
B	MARKSMAN SC	1.00	LAA	10						
C	ACTIVATOR 90	0.25	PMV	10						
D	LIQUID AMS	2.50	PMV	10						
9A	LIGHTNING 70DG	0.056	LAA	11	0				0	40
B	DISTINCT 70WG	0.175	LAA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
10A	LIGHTNING 70DG	0.056	LAA	11	0				0	78
B	CALLISTO 4SC	0.094	LAA	11						
C	COC	1.00	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
11A	LIGHTNING 70DG	0.056	LAA	11	0				0	78
B	DISTINCT 70WG	0.088	LAA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
12A	LIGHTNING 70DG	0.056	LAA	11	0				0	86
B	CALLISTO 4SC	0.047	LAA	11						
C	COC	1.00	PMV	11						
D	LIQUID AMS	2.50	PMV	11						

DATA MEAN

TITLE: Waterhemp Weed Control Systems in Clearfield Corn AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	PHBPU	AMATA	ZEAMD	SETFA
		RATE	UNIT		CON % 06/07/02	CON % 06/07/02	CON % 06/07/02	CON % 06/07/02	CON % 06/25/02	CON % 06/25/02
13A	»LIGHTNING 70DG	0.056	LAA	11	0				0	83
	B»DISTINCT 70WG	0.175	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
14A	»LIGHTNING 70DG	0.056	LAA	11	0				0	78
	B»CALLISTO 4SC	0.094	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
15A	»LIGHTNING 70DG	0.056	LAA	11	0				0	84
	B»DISTINCT 70WG	0.088	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
16A	»LIGHTNING 70DG	0.056	LAA	11	0				0	77
	B»CALLISTO 4SC	0.047	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
17A	CHECK	0.00	NA	0	0				0	0
18A	»LIGHTNING 70DG	0.056	LAA	11	0				0	73
	B»DISTINCT 70WG	0.175	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
19A	»LIGHTNING 70DG	0.056	LAA	11	0				0	89
	B»CALLISTO 4SC	0.047	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
20A	»LIGHTNING 70DG	0.056	LAA	11	0				0	75
	B»DISTINCT 70WG	0.088	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
21A	»LIGHTNING 70DG	0.056	LAA	11	0				0	84
	B»CALLISTO 4SC	0.063	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
22A	TOPNOTCH (3.2C	2.00	LAA	9	0	98	95	96	0	97
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			0.00	5.00	5.56	6.44	0.00	7.94
		STANDARD DEVIATION			0.00	2.46	2.75	3.19	0.00	3.93

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 CREATED: 04/17/2002 REVISED: 11/11/2002 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	GUARDS MAX 5L	1.25	LAA	9	92	99	0	92	95	96
B	LIGHTNING 70DG	0.056	LAA	11						
C	DISTINCT 70WG	0.175	LAA	11						
D	ACTIVATOR 90	0.25	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
2A	OUTLOOK 6EC	0.47	LAA	9	95	99	0	92	92	96
B	LIGHTNING 70DG	0.056	LAA	11						
C	DISTINCT 70WG	0.175	LAA	11						
D	ACTIVATOR 90	0.25	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
3A	ATRAZINE DF	2.00	LAA	9	97	98	0	72	95	92
B	CELEBRITY PLUS	0.21	LMA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
4A	ATRAZINE DF	1.00	LAA	9	97	96	0	75	90	95
B	BASIS GOLD 90D	0.79	LAA	11						
C	CALLISTO 4SC	0.063	LAA	11						
D	COC	1.00	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
5A	ATRAZINE DF	1.50	LAA	9	97	99	0	80	96	95
B	STEADFAST 75DF	0.035	LAA	11						
C	CALLISTO 4SC	0.063	LAA	11						
D	ATRAZINE DF	0.25	LAA	11						
E	COC	1.00	PMV	11						
F	LIQUID AMS	2.50	PMV	11						
6A	ATRAZINE DF	1.50	LAA	9	99	99	0	92	98	98
B	SPIRIT 57WG	0.036	LAA	11						
C	ACCENT 75WG	0.016	LAA	11						
D	CALLISTO 4SC	0.063	LAA	11						
E	ATRAZINE DF	0.25	LAA	11						
F	COC	1.00	PMV	11						
G	LIQUID AMS	2.50	PMV	11						
7A	ATRAZINE DF	1.50	LAA	9	96	99	0	87	88	93
B	OPTION 35WDG	0.033	LAA	11						
C	DISTINCT 70WG	0.13	LAA	11						
D	MSO	1.00	PMV	11						
E	LIQUID AMS	2.50	PMV	11						
8A	LIGHTNING 70DG	0.056	LAA	10	83	99	0	75	86	93
B	MARKSMAN SC	1.00	LAA	10						
C	ACTIVATOR 90	0.25	PMV	10						
D	LIQUID AMS	2.50	PMV	10						
9A	LIGHTNING 70DG	0.056	LAA	11	73	63	0	50	85	53
B	DISTINCT 70WG	0.175	LAA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
10A	LIGHTNING 70DG	0.056	LAA	11	87	93	0	80	87	60
B	CALLISTO 4SC	0.094	LAA	11						
C	COC	1.00	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
11A	LIGHTNING 70DG	0.056	LAA	11	80	72	0	60	96	40
B	DISTINCT 70WG	0.088	LAA	11						
C	ACTIVATOR 90	0.25	PMV	11						
D	LIQUID AMS	2.50	PMV	11						
12A	LIGHTNING 70DG	0.056	LAA	11	83	73	0	88	93	60
B	CALLISTO 4SC	0.047	LAA	11						
C	COC	1.00	PMV	11						
D	LIQUID AMS	2.50	PMV	11						

DATA MEAN

TITLE: Waterhemp Weed Control Systems in Clearfield 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
13A	»LIGHTNING 70DG	0.056	LAA	11	80	78	0	78	90	63
	B»DISTINCT 70WG	0.175	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
14A	»LIGHTNING 70DG	0.056	LAA	11	82	80	0	65	93	57
	B»CALLISTO 4SC	0.094	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
15A	»LIGHTNING 70DG	0.056	LAA	11	84	78	0	78	96	57
	B»DISTINCT 70WG	0.088	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
16A	»LIGHTNING 70DG	0.056	LAA	11	72	75	0	80	95	53
	B»CALLISTO 4SC	0.047	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
17A	CHECK	0.00	NA	0	0	0	0	0	0	0
18A	»LIGHTNING 70DG	0.056	LAA	11	87	78	0	33	90	48
	B»DISTINCT 70WG	0.175	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
19A	»LIGHTNING 70DG	0.056	LAA	11	96	97	0	90	96	89
	B»CALLISTO 4SC	0.047	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
20A	»LIGHTNING 70DG	0.056	LAA	11	80	72	0	63	90	50
	B»DISTINCT 70WG	0.088	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
21A	»LIGHTNING 70DG	0.056	LAA	11	98	99	0	85	99	91
	B»CALLISTO 4SC	0.063	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
22A	TOPNOTCH (3.2C	2.00	LAA	9	99	99	0	89	93	99
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			5.83	5.21	0.00	12.60	10.62	14.67
		STANDARD DEVIATION			2.88	2.58	0.00	6.23	5.25	7.26

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/22/2002 (1)
- 10 = ----- / VEPOST 06/06/2002 (2)
- 11 = ----- / EPOST 06/14/2002 (3)

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

DATA MEAN

TITLE: Waterhemp Weed Control Systems in Clearfield Corn AS-400

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
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