

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.7  
 %OM: 1.5  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/29/02	06/19/02	AME
AIR TEMPERATURE	74	86	F
% REL. HUMIDITY	60	55	
WIND DIRECTION	SOUTH	SOUTHWEST	
WIND SPEED	2.0	4.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	
DEW	---	DRY	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT		---/15	
PIONEER 33P71 IM		11.0/15.0	IN
05/29/2002			
*** PEST ***			
WATERHEMP, COMMO		---/17	
		2.00/6.00	IN
CRABGRASS, SMOOT		---/11	
		1.00/3.00	IN
PANICUM, FALL		---/11	
		1.00/3.00	IN
FOXTAIL, GIANT		---/12	
		3.00/5.00	IN
COCKLEBUR, COMMO		---/13	
		3.00/5.00	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
 11 = ----- / EPOST

## \* STAGE CODE

11 = FIRST LEAF UNFOLDED  
 12 = 2 LEAVES UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5 LEAVES UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

## DATA MEAN

TITLE: Waterhemp Weed Control Systems in Corn 600-700

CREATED: 05/15/2002 REVISED: 09/20/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: BTOWN 600-700

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	AMATA	XANST	PANDI	DIGIS	ZEAMD
		RATE	UNIT		CON % 06/20/02	CON % 06/20/02	CON % 06/20/02	CON % 06/20/02	CON % 06/20/02	CON % 07/24/02
1A	AXIOM	0.72	LAA	9	0	99	93	95	96	0
B	ATRAZINE DF	1.50	LAA	9						
2A	EPIC 58DF	0.36	LAA	9	0	99	93	96	99	0
B	ATRAZINE DF	1.50	LAA	9						
3A	EPIC 58DF	0.44	LAA	9	0	99	95	95	99	0
B	ATRAZINE DF	1.50	LAA	9						
4A	USA 2001 71.5W	0.54	LAA	9	0	99	98	98	99	0
B	ATRAZINE DF	1.50	LAA	9						
5A	USA 2001 71.5W	0.67	LAA	9	0	95	90	95	96	0
B	ATRAZINE DF	1.50	LAA	9						
6A	USA 2001 71.5W	0.67	LAA	9	0	99	95	96	99	0
B	ATRAZINE DF	1.50	LAA	9						
7A	USA 2001 71.5W	0.85	LAA	9	0	98	95	96	99	0
B	ATRAZINE DF	1.50	LAA	9						
8A	FULTIME 4SC	3.50	LAA	9	0	99	96	98	99	0
B	HORNET 68.5WG	0.128	LAA	9						
9A	KEYSTONE 5.1L	3.50	LAA	9	0	99	98	95	96	0
B	HORNET 68.5WG	0.128	LAA	9						
10A	TOPNOTCH (3.2C	2.00	LAA	9	0	99	93	95	99	0
B	HORNET 68.5WG	0.171	LAA	9						
11A	GUARDS MAX 5L	2.50	LAA	9	0	98	85	96	96	0
B	HORNET 68.5WG	0.047	LAA	9						
12A	CAMIX 3.66L	2.95	LAA	9	0	98	85	97	99	0
13A	LUMAX 3.9L	2.20	LAA	9	0	99	87	93	91	0
14A	GUARDS MAX 5L	2.50	LAA	9	0	96	87	90	96	0
B	MARKSMAN SC	1.20	LAA	11						
C	LIQUID AMS	2.50	PMV	11						
15A	OUTLOOK 6EC	0.98	LAA	9	0	96	40	96	99	0
B	MARKSMAN SC	1.50	LAA	11						
C	LIQUID AMS	2.50	PMV	11						
16A	CAMIX 3.66L	1.47	LAA	9	0	92	50	57	57	0
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	98	70	87	93	0
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	98	68	98	99	0
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	99	27	95	99	0
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 600-700

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	AMATA	XANST	PANDI	DIGIS	ZEAMD
		RATE	UNIT		CON % 06/20/02	CON % 06/20/02	CON % 06/20/02	CON % 06/20/02	CON % 06/20/02	CON % 07/24/02
21A	BICEP II MAGNU	2.89	LAA	9	0	99	87	92	96	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	98	90	96	98	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	98	27	93	99	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	99	98	93	99	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	99	53	87	99	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	99	50	87	99	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	1.89	11.14	8.09	5.55	0.00
		STANDARD DEVIATION			0.00	0.946	5.57	4.00	2.77	0.00

## DATA MEAN

TITLE: Waterhemp Weed Control Systems in Corn 600-700

CREATED: 05/15/2002 REVISED: 09/20/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: BTOWN 600-700

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			AMATA	XANST	PANDI	DIGIS
		RATE	UNIT	TM	CON % 07/24/02	CON % 07/24/02	CON % 07/24/02	CON % 07/24/02
1A	AXIOM	0.72	LAA	9	93	83	90	91
B	ATRAZINE DF	1.50	LAA	9				
2A	EPIC 58DF	0.36	LAA	9	95	91	98	98
B	ATRAZINE DF	1.50	LAA	9				
3A	EPIC 58DF	0.44	LAA	9	96	88	96	99
B	ATRAZINE DF	1.50	LAA	9				
4A	USA 2001 71.5W	0.54	LAA	9	99	99	98	93
B	ATRAZINE DF	1.50	LAA	9				
5A	USA 2001 71.5W	0.67	LAA	9	94	88	96	99
6A	USA 2001 71.5W	0.67	LAA	9	99	99	96	99
B	ATRAZINE DF	1.50	LAA	9				
7A	USA 2001 71.5W	0.85	LAA	9	99	90	98	99
B	ATRAZINE DF	1.50	LAA	9				
8A	FULTIME 4SC	3.50	LAA	9	99	93	98	99
B	HORNET 68.5WG	0.128	LAA	9				
9A	KEYSTONE 5.1L	3.50	LAA	9	99	95	98	99
B	HORNET 68.5WG	0.128	LAA	9				
10A	TOPNOTCH (3.2C	2.00	LAA	9	99	87	96	99
B	HORNET 68.5WG	0.171	LAA	9				
11A	GUARDS MAX 5L	2.50	LAA	9	99	82	96	99
B	HORNET 68.5WG	0.047	LAA	9				
12A	CAMIX 3.66L	2.95	LAA	9	99	94	93	99
13A	LUMAX 3.9L	2.20	LAA	9	99	93	95	96
14A	GUARDS MAX 5L	2.50	LAA	9	99	99	98	99
B	MARKSMAN SC	1.20	LAA	11				
C	LIQUID AMS	2.50	PMV	11				
15A	OUTLOOK 6EC	0.98	LAA	9	99	96	95	98
B	MARKSMAN SC	1.50	LAA	11				
C	LIQUID AMS	2.50	PMV	11				
16A	CAMIX 3.66L	1.47	LAA	9	99	90	96	94
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	99	88	99	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	99	99	99	98
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	98	98	99	99
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

DATA MEAN

TITLE: Waterhemp Weed Control Systems in Corn 600-700

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMATA	XANST	PANDI	DIGIS
		RATE	UNIT		CON % 07/24/02	CON % 07/24/02	CON % 07/24/02	CON % 07/24/02
21A	BICEP II MAGNU	2.89	LAA	9	99	99	95	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	99	99	99	98
	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	96	99	95	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	98	99	98	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	97	96	95	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	99	98	93	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)			3.61	7.27	4.58	3.38
		STANDARD DEVIATION			1.81	3.64	2.29	1.69

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/29/2002 (1)  
 11 = ----- / EPOST 06/19/2002 (2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
01	ZEAMD	CON %	06/20/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	AMATA	CON %	06/20/2002	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	XANST	CON %	06/20/2002	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	PANDI	CON %	06/20/2002	06	P	PANDI		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	DIGIS	CON %	06/20/2002	05	P	DIGIS		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	ZEAMD	CON %	07/24/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	AMATA	CON %	07/24/2002	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	XANST	CON %	07/24/2002	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	PANDI	CON %	07/24/2002	04	P	PANDI		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	DIGIS	CON %	07/24/2002	05	P	DIGIS		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33P71 IMI