

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	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/03/01	06/15/01	AME
AIR TEMPERATURE	85	78	F
% REL.HUMIDITY	27	65	
WIND DIRECTION	SOUTH	WEST	
WIND SPEED	10.0	7.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	DRY	DRY	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
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	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** PEST ***			
VELVETLEAF		HGH/16 5.00/5.00	IN
WATERHEMP, COMMO		LOW/16 8.00/8.00	IN
LAMBSQUARTERS, C		HGH/19 4.00/8.00	IN
SMARTWEED, PENNS		HGH/16 5.00/5.00	IN
FOXTAIL, GIANT		HGH/14 8.00/8.00	IN
CORN, DENT PIONEER 34R07 05/03/2001		NA/16 18.0/18.0	IN

\* TIMING CODES

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

\* STAGE CODE

14 = 4 LEAVES UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

## DATA MEAN

TITLE: Common Waterhemp control in corn AS-400

CREATED: 04/14/2001 REVISED: 08/28/2001

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	TREATMENT	DOSAGE			SETFA	AMATA	ZEAMD	SETFA	AMATA	CHEAL	
		NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					06/15/01	06/15/01	06/26/01	06/26/01	06/26/01	06/26/01	06/26/01
1A	FULTIME 4SC	3.50	LAA	9	92	99	0	83	99	93	
2A	FULTIME 4SC	2.25	LAA	9	91	98	0	83	99	99	
	B>>FULTIME 4SC	1.25	LAA	11							
	C>>COC	1.00	PMV	11							
3A	TOPNOTCH (3.2C	2.00	LAA	9	91	99	0	79	99	93	
	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							
4A	CHECK	0.00	NA	0	0	0	0	0	0	0	
5A	TOPNOTCH (3.2C	2.00	LAA	9	87	98	0	77	99	87	
	B>>HORNET 68.5WG	0.128	LAA	11							
	C>>AIM 40DF	0.008	LAA	11							
	D>>ACTIVATOR 90	0.25	PMV	11							
	E>>LIQUID AMS	2.50	PMV	11							
6A	TOPNOTCH (3.2C	2.00	LAA	9	93	98	0	82	99	91	
	B>>HORNET 68.5WG	0.128	LAA	11							
	C CLARITY	0.125	LAA	11							
	D>>ACTIVATOR 90	0.25	PMV	11							
	E>>LIQUID AMS	2.50	PMV	11							
7A	TOPNOTCH (3.2C	2.00	LAA	9	91	99	0	89	99	96	
	B>>HORNET 68.5WG	0.128	LAA	11							
	C>>DISTINCT 70WG	0.088	LAA	11							
	D>>ACTIVATOR 90	0.25	PMV	11							
	E>>LIQUID AMS	2.50	PMV	11							
8A	OUTLOOK 6EC	0.94	LAA	9	88	99	0	75	93	75	
	B>>HORNET 68.5WG	0.128	LAA	11							
	C>>DESTINY	1.00	PMV	11							
	D>>N-PAK AMS	5.00	PMV	11							
9A	OUTLOOK 6EC	0.94	LAA	9	87	99	0	70	99	63	
	B>>HORNET 68.5WG	0.128	LAA	11							
	C>>TEAMWK+ATRAZ 9	0.506	LAA	11							
	D>>CLASS ACT N	2.50	PMV	11							
10A	OUTLOOK 6EC	0.94	LAA	9	83	99	0	72	99	62	
	B>>HORNET 68.5WG	0.128	LAA	11							
	C>>PREFERENCE	0.25	PMV	11							
	D>>N-PAK AMS	5.00	PMV	11							
11A	OUTLOOK 6EC	0.94	LAA	9	87	99	0	74	99	75	
	B>>HORNET 68.5WG	0.128	LAA	11							
	C>>TEAMWK+ATRAZ 9	0.506	LAA	11							
	D>>PREFERENCE	0.25	PMV	11							
	E>>N-PAK AMS	2.50	PMV	11							
12A	OUTLOOK 6EC	0.94	LAA	9	80	99	0	72	99	78	
	B>>HORNET 68.5WG	0.128	LAA	11							
	C>>TEAMWORK 40DF	0.008	LAA	11							
	D ATRAZINE DF	0.50	LAA	11							
	E>>PREFERENCE	0.25	PMV	11							
	F>>N-PAK AMS	2.50	PMV	11							
		LSD (0.05)			9.69	1.00	0.00	7.76	2.54	12.82	
		STANDARD DEVIATION			4.67	0.471	0.00	3.74	1.22	6.18	

## DATA MEAN

TITLE: Common Waterhemp control in corn AS-400

CREATED: 04/14/2001 REVISED: 08/28/2001

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	TREATMENT	DOSAGE			POLPY	ABUTH	ZEAMD	SETFA	AMATA	CHEAL
		NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
1A	FULTIME 4SC	3.50	LAA	9	99	86	0	77	82	89
2A	FULTIME 4SC	2.25	LAA	9	96	88	0	80	96	93
	B>FULTIME 4SC	1.25	LAA	11						
	C>COC	1.00	PMV	11						
3A	TOPNOTCH (3.2C	2.00	LAA	9	99	95	0	80	96	82
	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						
4A	CHECK	0.00	NA	0	0	0	0	0	0	0
5A	TOPNOTCH (3.2C	2.00	LAA	9	94	99	0	77	89	82
	B>HORNET 68.5WG	0.128	LAA	11						
	C>AIM 40DF	0.008	LAA	11						
	D>ACTIVATOR 90	0.25	PMV	11						
	E>LIQUID AMS	2.50	PMV	11						
6A	TOPNOTCH (3.2C	2.00	LAA	9	99	98	0	77	96	87
	B>HORNET 68.5WG	0.128	LAA	11						
	C CLARITY	0.125	LAA	11						
	D>ACTIVATOR 90	0.25	PMV	11						
	E>LIQUID AMS	2.50	PMV	11						
7A	TOPNOTCH (3.2C	2.00	LAA	9	99	99	0	78	96	90
	B>HORNET 68.5WG	0.128	LAA	11						
	C>DISTINCT 70WG	0.088	LAA	11						
	D>ACTIVATOR 90	0.25	PMV	11						
	E>LIQUID AMS	2.50	PMV	11						
8A	OUTLOOK 6EC	0.94	LAA	9	90	99	0	77	81	75
	B>HORNET 68.5WG	0.128	LAA	11						
	C>DESTINY	1.00	PMV	11						
	D>N-PAK AMS	5.00	PMV	11						
9A	OUTLOOK 6EC	0.94	LAA	9	78	99	0	77	94	63
	B>HORNET 68.5WG	0.128	LAA	11						
	C>TEAMWK+ATRAZ 9	0.506	LAA	11						
	D>CLASS ACT N	2.50	PMV	11						
10A	OUTLOOK 6EC	0.94	LAA	9	96	99	0	78	87	63
	B>HORNET 68.5WG	0.128	LAA	11						
	C>PREFERENCE	0.25	PMV	11						
	D>N-PAK AMS	5.00	PMV	11						
11A	OUTLOOK 6EC	0.94	LAA	9	99	99	0	77	97	75
	B>HORNET 68.5WG	0.128	LAA	11						
	C>TEAMWK+ATRAZ 9	0.506	LAA	11						
	D>PREFERENCE	0.25	PMV	11						
	E>N-PAK AMS	2.50	PMV	11						
12A	OUTLOOK 6EC	0.94	LAA	9	86	99	0	77	96	78
	B>HORNET 68.5WG	0.128	LAA	11						
	C>TEAMWORK 40DF	0.008	LAA	11						
	D ATRAZINE DF	0.50	LAA	11						
	E>PREFERENCE	0.25	PMV	11						
	F>N-PAK AMS	2.50	PMV	11						
		LSD (0.05)			14.00	9.06	0.00	3.88	3.55	8.49
		STANDARD DEVIATION			6.75	4.37	0.00	1.87	1.71	4.10

## DATA MEAN

TITLE: Common Waterhemp control in corn AS-400  
 CREATED: 04/14/2001 REVISED: 08/28/2001 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	POLPY	ABUTH
		RATE	UNIT		CON % 07/13/01	CON % 07/13/01
1A	FULTIME 4SC	3.50	LAA	9	88	68
2A	FULTIME 4SC	2.25	LAA	9	89	70
	B>FULTIME 4SC	1.25	LAA	11		
	C>COC	1.00	PMV	11		
3A	TOPNOTCH (3.2C)	2.00	LAA	9	96	91
	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		
4A	CHECK	0.00	NA	0	0	0
5A	TOPNOTCH (3.2C)	2.00	LAA	9	85	99
	B>HORNET 68.5WG	0.128	LAA	11		
	C>AIM 40DF	0.008	LAA	11		
	D>ACTIVATOR 90	0.25	PMV	11		
	E>LIQUID AMS	2.50	PMV	11		
6A	TOPNOTCH (3.2C)	2.00	LAA	9	99	96
	B>HORNET 68.5WG	0.128	LAA	11		
	C CLARITY	0.125	LAA	11		
	D>ACTIVATOR 90	0.25	PMV	11		
	E>LIQUID AMS	2.50	PMV	11		
7A	TOPNOTCH (3.2C)	2.00	LAA	9	99	97
	B>HORNET 68.5WG	0.128	LAA	11		
	C>DISTINCT 70WG	0.088	LAA	11		
	D>ACTIVATOR 90	0.25	PMV	11		
	E>LIQUID AMS	2.50	PMV	11		
8A	OUTLOOK 6EC	0.94	LAA	9	87	96
	B>HORNET 68.5WG	0.128	LAA	11		
	C>DESTINY	1.00	PMV	11		
	D>N-PAK AMS	5.00	PMV	11		
9A	OUTLOOK 6EC	0.94	LAA	9	72	99
	B>HORNET 68.5WG	0.128	LAA	11		
	C>TEAMWK+ATRAZ 9	0.506	LAA	11		
	D>CLASS ACT N	2.50	PMV	11		
10A	OUTLOOK 6EC	0.94	LAA	9	93	98
	B>HORNET 68.5WG	0.128	LAA	11		
	C>PREFERENCE	0.25	PMV	11		
	D>N-PAK AMS	5.00	PMV	11		
11A	OUTLOOK 6EC	0.94	LAA	9	88	99
	B>HORNET 68.5WG	0.128	LAA	11		
	C>TEAMWK+ATRAZ 9	0.506	LAA	11		
	D>PREFERENCE	0.25	PMV	11		
	E>N-PAK AMS	2.50	PMV	11		
12A	OUTLOOK 6EC	0.94	LAA	9	85	99
	B>HORNET 68.5WG	0.128	LAA	11		
	C>TEAMWORK 40DF	0.008	LAA	11		
	D ATRAZINE DF	0.50	LAA	11		
	E>PREFERENCE	0.25	PMV	11		
	F>N-PAK AMS	2.50	PMV	11		
		LSD (0.05)			8.18	3.71
		STANDARD DEVIATION			3.95	1.79

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING

## DATA MEAN

## \* TIMING CODES

09 = ----- / PREEMERGENCE 05/03/2001(1)

11 = ----- / EPOST 06/15/2001(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
01	SETFA	CON %	06/15/2001	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	AMATA	CON %	06/15/2001	03	P	AMATA	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	ZEAMD	CON %	06/26/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	SETFA	CON %	06/26/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	AMATA	CON %	06/26/2001	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	CHEAL	CON %	06/26/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	POLPY	CON %	06/26/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	ABUTH	CON %	06/26/2001	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	ZEAMD	CON %	07/13/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	SETFA	CON %	07/13/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	AMATA	CON %	07/13/2001	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	CHEAL	CON %	07/13/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	POLPY	CON %	07/13/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	ABUTH	CON %	07/13/2001	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## \* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34R07

## \* STAGE CODE

14 = 4 LEAVES UNFOLDED

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED