

## 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	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/29/04	05/29/04	AME
AIR TEMPERATURE	70	80	F
% REL. HUMIDITY	40	40	
WIND DIRECTION	SOUTH	NORTHEAST	
WIND SPEED	12.0	3.0	M/H
CLOUD COVER	CLOUDY	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
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			
*** CROP ***			
CORN, DENT		---/15	
MYCOGEN 2A812LL		14.0/14.0	IN
04/28/2004			
*** PEST ***			
WATERHEMP, COMMO		---/19	
		2.00/8.00	IN
LAMBSQUARTERS, C		---/19	
		2.00/6.00	IN
MORNINGGLORY, TA		---/16	
		4.00/4.00	IN
FOXTAIL, GIANT		---/14	
		2.00/10.0	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
 12 = ----- / POST

## \* STAGE CODE

14 = 4 LEAVES UNFOLDED  
 15 = 5 LEAVES UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Waterhemp Control Systems in Liberty Link Corn AS-400  
**CREATED:** 04/07/2004 **REVISED:** 08/31/2004 **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	CHEAL	AMATA	PHBPU	ZEAMD
		RATE	UNIT		CON % 06/09/04	CON % 06/09/04	CON % 06/09/04	CON % 06/09/04	CON % 06/09/04	CON % 06/22/04
1A	»DEFINE 60DF	0.375	LAA	9	10	68	90	87	40	0
B	BUCTRIL+ATRA	0.375	LAA	12						
2A	»DEFINE 60DF	0.375	LAA	9	8	58	89	88	47	0
B	BUCTRIL+ATRA	0.375	LAA	12						
C	»CALLISTO 4SC	0.023	LAA	12						
3A	»DEFINE 60DF	0.375	LAA	9	8	68	95	96	53	0
B	BUCTRIL+ATRA	0.375	LAA	12						
C	»CALLISTO 4SC	0.031	LAA	12						
4A	»DEFINE 60DF	0.375	LAA	9	8	63	98	99	50	0
B	BUCTRIL+ATRA	0.375	LAA	12						
C	»CALLISTO 4SC	0.047	LAA	12						
5A	»DEFINE 60DF	0.375	LAA	9	8	65	99	99	57	0
B	BUCTRIL+ATRA	0.56	LAA	12						
C	»CALLISTO 4SC	0.031	LAA	12						
6A	»DEFINE 60DF	0.375	LAA	9	7	60	92	98	47	0
B	BUCTRIL 2EC	0.25	LAA	12						
C	»CALLISTO 4SC	0.031	LAA	12						
7A	»DEFINE 60DF	0.375	LAA	9	10	72	99	99	67	0
B	BUCTRIL+ATRA	0.75	LAA	12						
C	»CALLISTO 4SC	0.016	LAA	12						
8A	»DEFINE 60DF	0.375	LAA	9	8	60	99	99	63	0
B	BUCTRIL+ATRA	0.75	LAA	12						
C	»CALLISTO 4SC	0.023	LAA	12						
9A	»DEFINE 60DF	0.375	LAA	9	7	63	99	99	70	0
B	BUCTRIL+ATRA	0.75	LAA	12						
C	»CALLISTO 4SC	0.031	LAA	12						
10A	»LIBERTY	0.42	LAA	12	0	95	65	84	86	0
B	»CALLISTO 4SC	0.023	LAA	12						
C	»LIQUID AMS	3.67	PMV	12						
11A	»LIBERTY	0.42	LAA	12	0	93	75	84	83	0
B	»CALLISTO 4SC	0.031	LAA	12						
C	»LIQUID AMS	3.67	PMV	12						
12A	»LIBERTY	0.42	LAA	12	0	96	82	87	78	0
B	»CALLISTO 4SC	0.047	LAA	12						
C	»LIQUID AMS	3.67	PMV	12						
13A	»LIBERTY	0.42	LAA	12	0	82	90	94	72	0
B	»ATRAZINE DF	0.50	LAA	12						
C	»LIQUID AMS	3.67	PMV	12						
14A	»LIBERTY	0.42	LAA	12	0	85	96	98	75	0
B	»ATRAZINE DF	0.50	LAA	12						
C	»CALLISTO 4SC	0.023	LAA	12						
D	»LIQUID AMS	3.67	PMV	12						
15A	»LIBERTY	0.42	LAA	12	0	88	96	99	75	0
B	»ATRAZINE DF	0.50	LAA	12						
C	»CALLISTO 4SC	0.031	LAA	12						
D	»LIQUID AMS	3.67	PMV	12						
16A	»LIBERTY	0.42	LAA	12	0	96	99	99	91	0
B	»ATRAZINE DF	0.50	LAA	12						
C	»CALLISTO 4SC	0.047	LAA	12						
D	»LIQUID AMS	3.67	PMV	12						
17A	»LIBERTY	0.42	LAA	12	0	98	98	99	90	0
B	»LIQUID AMS	3.67	PMV	12						

## TITLE: Waterhemp Control Systems in Liberty Link Corn AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	PHBPU	ZEAMD	
		RATE	UNIT	TM	CON % 06/09/04	CON % 06/09/04	CON % 06/09/04	CON % 06/09/04	CON % 06/09/04	CON % 06/22/04	
18A»	LIBERTY	0.31	LAA	12	0	93	91	95	83	0	
19A»	LIBERTY	0.31	LAA	12	0	95	92	97	87	0	
	B»N-PAK AMS	4.40	PMV	12							
20A»	LIBERTY	0.31	LAA	12	0	93	91	98	84	0	
	B»CLASS ACT NG	2.50	PMV	12							
21A»	LIBERTY	0.31	LAA	12	0	95	85	99	88	0	
	B»CLASS ACT NG	2.50	PMV	12							
	C»INTERLOCK	4.00	ZMA	12							
22A»	LIBERTY	0.31	LAA	12	0	94	89	99	90	0	
	B»CLASS ACT NG	2.50	PMV	12							
	C»PLACEMENT	5.00	ZMA	12							
23A»	LIBERTY	0.31	LAA	12	0	90	97	99	93	0	
	B ATRAZINE DF	1.00	LAA	12							
	C»LIQUID AMS	3.67	PMV	12							
24A»	LIBERTY	0.26	LAA	12	0	93	99	99	95	0	
	B»CALLISTO 4SC	0.094	LAA	12							
	C ATRAZINE DF	1.00	LAA	12							
	D»COC	1.00	PMV	12							
	E»LIQUID AMS	3.67	PMV	12							
					LSD (0.05)	2.58	8.38	8.48	6.16	11.00	0.00
					STANDARD DEVIATION	1.29	4.19	4.24	3.08	5.52	0.00

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**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT	TREATMENT	DOSAGE		SETFA	CHEAL	AMATA	PHBPU
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %
			TM	06/22/04	06/22/04	06/22/04	06/22/04
1A»	DEFINE 60DF	0.375	LAA 9	33	83	75	27
B	BUCTRIL+ATRA	0.375	LAA 12				
2A»	DEFINE 60DF	0.375	LAA 9	40	93	91	20
B	BUCTRIL+ATRA	0.375	LAA 12				
C»	CALLISTO 4SC	0.023	LAA 12				
3A»	DEFINE 60DF	0.375	LAA 9	40	93	94	27
B	BUCTRIL+ATRA	0.375	LAA 12				
C»	CALLISTO 4SC	0.031	LAA 12				
4A»	DEFINE 60DF	0.375	LAA 9	43	97	97	27
B	BUCTRIL+ATRA	0.375	LAA 12				
C»	CALLISTO 4SC	0.047	LAA 12				
5A»	DEFINE 60DF	0.375	LAA 9	50	99	99	27
B	BUCTRIL+ATRA	0.56	LAA 12				
C»	CALLISTO 4SC	0.031	LAA 12				
6A»	DEFINE 60DF	0.375	LAA 9	47	94	95	23
B	BUCTRIL 2EC	0.25	LAA 12				
C»	CALLISTO 4SC	0.031	LAA 12				
7A»	DEFINE 60DF	0.375	LAA 9	53	99	99	27
B	BUCTRIL+ATRA	0.75	LAA 12				
C»	CALLISTO 4SC	0.016	LAA 12				
8A»	DEFINE 60DF	0.375	LAA 9	53	99	99	30
B	BUCTRIL+ATRA	0.75	LAA 12				
C»	CALLISTO 4SC	0.023	LAA 12				
9A»	DEFINE 60DF	0.375	LAA 9	53	99	99	30
B	BUCTRIL+ATRA	0.75	LAA 12				
C»	CALLISTO 4SC	0.031	LAA 12				
10A»	LIBERTY	0.42	LAA 12	95	62	86	47
B»	CALLISTO 4SC	0.023	LAA 12				
C»	LIQUID AMS	3.67	PMV 12				
11A»	LIBERTY	0.42	LAA 12	93	76	84	65
B»	CALLISTO 4SC	0.031	LAA 12				
C»	LIQUID AMS	3.67	PMV 12				
12A»	LIBERTY	0.42	LAA 12	97	57	84	57
B»	CALLISTO 4SC	0.047	LAA 12				
C»	LIQUID AMS	3.67	PMV 12				
13A»	LIBERTY	0.42	LAA 12	86	88	95	60
B	ATRAZINE DF	0.50	LAA 12				
C»	LIQUID AMS	3.67	PMV 12				
14A»	LIBERTY	0.42	LAA 12	87	92	99	63
B	ATRAZINE DF	0.50	LAA 12				
C»	CALLISTO 4SC	0.023	LAA 12				
D»	LIQUID AMS	3.67	PMV 12				
15A»	LIBERTY	0.42	LAA 12	78	91	99	50
B	ATRAZINE DF	0.50	LAA 12				
C»	CALLISTO 4SC	0.031	LAA 12				
D»	LIQUID AMS	3.67	PMV 12				
16A»	LIBERTY	0.42	LAA 12	92	97	99	70
B	ATRAZINE DF	0.50	LAA 12				
C»	CALLISTO 4SC	0.047	LAA 12				
D»	LIQUID AMS	3.67	PMV 12				
17A»	LIBERTY	0.42	LAA 12	97	96	99	85
B»	LIQUID AMS	3.67	PMV 12				

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TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	CHEAL	AMATA	PHBPU
		RATE	UNIT	TM	CON % 06/22/04	CON % 06/22/04	CON % 06/22/04	CON % 06/22/04
18A»	LIBERTY	0.31	LAA	12	91	84	98	75
19A»	LIBERTY	0.31	LAA	12	83	86	94	72
	B»N-PAK AMS	4.40	PMV	12				
20A»	LIBERTY	0.31	LAA	12	81	88	94	68
	B»CLASS ACT NG	2.50	PMV	12				
21A»	LIBERTY	0.31	LAA	12	91	75	93	67
	B»CLASS ACT NG	2.50	PMV	12				
	C»INTERLOCK	4.00	ZMA	12				
22A»	LIBERTY	0.31	LAA	12	93	68	94	70
	B»CLASS ACT NG	2.50	PMV	12				
	C»PLACEMENT	5.00	ZMA	12				
23A»	LIBERTY	0.31	LAA	12	85	94	98	84
	B ATRAZINE DF	1.00	LAA	12				
	C»LIQUID AMS	3.67	PMV	12				
24A»	LIBERTY	0.26	LAA	12	88	94	98	89
	B»CALLISTO 4SC	0.094	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D»COC	1.00	PMV	12				
	E»LIQUID AMS	3.67	PMV	12				
LSD (0.05)					7.21	6.19	4.11	12.41
STANDARD DEVIATION					3.60	3.10	2.05	6.21

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

09 = ----- / PREEMERGENCE 04/29/2004 (1)  
12 = ----- / POST 05/29/2004 (2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	ZEAMD	CON %	06/09/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/09/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/09/2004	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/09/2004	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/09/2004	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/22/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/22/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	06/22/2004	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	06/22/2004	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/22/2004	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = MYCOGEN 2A812LL