

## 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	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/18/03	05/19/03	05/27/03	AME
AIR TEMPERATURE	62	73	73	F
% REL. HUMIDITY	70	70	35	
WIND DIRECTION	---	SOUTHEAST	NORTH	
WIND SPEED	0.0	5.0	3.0	M/H
CLOUD COVER	CLOUDY	CLOUDY	CLEAR	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
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		---/14	---/15	
GARST 8409LL		8.00/8.00	14.0/14.0	IN
04/18/2003				
*** PEST ***				
VELVETLEAF		---/12	---/14	
		2.00/2.00	2.00/4.00	IN
WATERHEMP, COMMO		---/17	---/19	
		2.00/4.00	2.00/8.00	IN
LAMBSQUARTERS, C		---/18	---/19	
		2.00/6.00	2.00/10.0	IN
MORNINGGLORY, TA		---/11	---/14	
		1.00/1.00	2.00/4.00	IN
SMARTWEED, PENNS		---/19	---/19	
		3.00/5.00	2.00/8.00	IN
FOXTAIL, GIANT		---/13	---/14	
		2.00/6.00	2.00/10.0	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
11 = ----- / EPOST  
12 = ----- / POST

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3 LEAVES UNFOLDED  
14 = 4 LEAVES UNFOLDED  
15 = 5 LEAVES UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Weed Control Systems in Liberty Link Corn AS-400  
**CREATED:** 04/10/2003 **REVISED:** 11/05/2003 **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	AMATA	CHEAL	ABUTH	POLPY
		RATE	UNIT		CON % 05/07/03	CON % 05/07/03	CON % 05/07/03	CON % 05/07/03	CON % 05/07/03	CON % 05/07/03
1A	LIBERTY	0.31	LAA	12	0					
B	CLASS ACT NG	2.50	PMV	12						
2A	LIBERTY	0.31	LAA	12	0					
B	PLACEMENT	6.00	ZMA	12						
C	CLASS ACT NG	2.50	PMV	12						
3A	BALANCE PRO 4S	0.047	LAA	9	0	80	95	94	99	95
B	ATRAZINE DF	1.00	LAA	9						
4A	BALANCE PRO 4S	0.094	LAA	9	0	85	98	97	99	98
B	ATRAZINE DF	1.50	LAA	9						
5A	BALANCE PRO 4S	0.07	LAA	9	0	80	93	91	98	97
B	DEFINE 60DF	0.375	LAA	9						
6A	BALANCE PRO 4S	0.07	LAA	9	0	94	99	99	99	99
B	DEFINE 60DF	0.375	LAA	9						
C	ATRAZINE DF	1.50	LAA	9						
7A	EPIC 4L	0.47	LAA	9	0	96	99	99	99	99
B	ATRAZINE DF	1.50	LAA	9						
8A	BALANCE PRO 4S	0.047	LAA	9	0	74	98	98	99	97
B	ATRAZINE DF	1.00	LAA	9						
C	OPTION 35WDG	0.033	LAA	11						
D	MSO	1.00	PMV	11						
E	28% UAN	2.00	PMV	11						
9A	BALANCE PRO 4S	0.047	LAA	9	0	73	96	97	98	98
B	ATRAZINE DF	1.00	LAA	9						
C	LIBERTY	0.42	LAA	11						
D	DEFINE 60DF	0.30	LAA	11						
E	LIQUID AMS	5.00	PMV	11						
10A	ATRAZINE DF	1.50	LAA	9	0	27	88	91	57	94
B	OPTION 35WDG	0.033	LAA	12						
C	DISTINCT 70WG	0.175	LAA	12						
D	MSO	1.00	PMV	12						
E	28% UAN	2.00	PMV	12						
11A	BALANCE PRO 4S	0.07	LAA	9	0	52	87	88	94	93
B	EQUIP 62WG	0.058	LAA	12						
C	MSO	1.00	PMV	12						
D	28% UAN	2.00	PMV	12						
12A	DEFINE 60DF	0.68	LAA	9	0	89	84	80	68	84
B	BUCTRIL+ATRAZ.	0.75	LAA	12						
13A	DEFINE 60DF	0.375	LAA	9	0	86	75	72	60	83
B	OPTION 35WDG	0.033	LAA	12						
C	DISTINCT 70WG	0.088	LAA	12						
D	MSO	1.00	PMV	12						
E	28% UAN	2.00	PMV	12						
14A	BALANCE PRO 4S	0.047	LAA	9	0	47	83	78	91	88
B	LIBERTY	0.42	LAA	12						
C	MSO	1.00	PMV	12						
D	LIQUID AMS	2.00	PMV	12						
15A	BALANCE PRO 4S	0.047	LAA	9	0	50	86	81	94	88
B	OPTION 35WDG	0.033	LAA	12						
C	MSO	1.00	PMV	12						
D	LIQUID AMS	2.00	PMV	12						
16A	DEFINE 60DF	0.375	LAA	9	0	86	85	81	63	83
B	LIBERTY	0.42	LAA	12						
C	ATRAZINE DF	1.00	LAA	12						
D	LIQUID AMS	5.00	PMV	12						

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

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMATA	CHEAL	ABUTH	POLPY
		RATE	UNIT	TM	CON % 05/07/03	CON % 05/07/03	CON % 05/07/03	CON % 05/07/03	CON % 05/07/03	CON % 05/07/03
17A	ATRAZINE DF	1.50	LAA	9	0					
	B»LIBERTY	0.42	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
18A	»LIBERTY	0.42	LAA	12	0					
	B ATRAZINE DF	1.00	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
19A	»OPTION 35WDG	0.033	LAA	11	0	53	94	94	68	89
	B»MSO	1.00	PMV	11						
	C»LIQUID AMS	2.00	PMV	11						
20A	»OPTION 35WDG	0.033	LAA	11	0					
	B»DEFINE 60DF	0.30	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
21A	»LIBERTY	0.42	LAA	11	0					
	B»DEFINE 60DF	0.30	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»LIQUID AMS	5.00	PMV	11						
22A	»LIBERTY	0.42	LAA	12	0					
	B»LIQUID AMS	5.00	PMV	12						
23A	»LIBERTY	0.31	LAA	12	0					
	B»LIQUID AMS	5.00	PMV	12						
24A	CHECK	0.00	NA	0	0					
25A	»LIBERTY	0.13	LAA	12	0					
	B»CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
26A	»LIBERTY	0.20	LAA	12	0					
	B»CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
27A	»LIBERTY	0.26	LAA	12	0					
	B»CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
28A	»LIBERTY	0.26	LAA	12	0					
	B»CALLISTO 4SC	0.047	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
29A	»LIBERTY	0.31	LAA	12	0					
	B»DISTINCT 70WG	0.088	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
30A	»LIBERTY	0.31	LAA	12	0					
	B»HORNET 68.5WG	0.128	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
31A	»LIBERTY	0.31	LAA	12	0					
	B»AG 02013	6.00	ZMA	12						
	C»CLASS ACT NG	2.50	PMV	12						
32A	»LIBERTY	0.31	LAA	12	0					
	B»AG 02013	3.00	ZMA	12						
	C»CLASS ACT NG	2.50	PMV	12						
LSD (0.05)					0.00	9.11	4.47	4.57	4.66	5.05
STANDARD DEVIATION					0.00	4.56	2.24	2.29	2.33	2.53

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**CREATED:** 04/10/2003 **REVISED:** 11/05/2003 **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	PHBPU	ZEAMD	SETFA	AMATA	CHEAL	ABUTH
		RATE	UNIT		CON % 05/07/03	CON % 06/06/03	CON % 06/06/03	CON % 06/06/03	CON % 06/06/03	CON % 06/06/03
1A	LIBERTY	0.31	LAA	12		2	99	99	94	99
B	CLASS ACT NG	2.50	PMV	12						
2A	LIBERTY	0.31	LAA	12		2	99	98	94	99
B	PLACEMENT	6.00	ZMA	12						
C	CLASS ACT NG	2.50	PMV	12						
3A	BALANCE PRO 4S	0.047	LAA	9	89	0	75	72	75	99
B	ATRAZINE DF	1.00	LAA	9						
4A	BALANCE PRO 4S	0.094	LAA	9	94	0	82	92	91	99
B	ATRAZINE DF	1.50	LAA	9						
5A	BALANCE PRO 4S	0.07	LAA	9	91	0	79	97	90	99
B	DEFINE 60DF	0.375	LAA	9						
6A	BALANCE PRO 4S	0.07	LAA	9	98	0	93	99	97	99
B	DEFINE 60DF	0.375	LAA	9						
C	ATRAZINE DF	1.50	LAA	9						
7A	EPIC 4L	0.47	LAA	9	99	0	93	99	98	99
B	ATRAZINE DF	1.50	LAA	9						
8A	BALANCE PRO 4S	0.047	LAA	9	93	0	95	92	99	99
B	ATRAZINE DF	1.00	LAA	9						
C	OPTION 35WDG	0.033	LAA	11						
D	MSO	1.00	PMV	11						
E	28% UAN	2.00	PMV	11						
9A	BALANCE PRO 4S	0.047	LAA	9	89	0	97	99	98	99
B	ATRAZINE DF	1.00	LAA	9						
C	LIBERTY	0.42	LAA	11						
D	DEFINE 60DF	0.30	LAA	11						
E	LIQUID AMS	5.00	PMV	11						
10A	ATRAZINE DF	1.50	LAA	9	67	0	88	99	99	99
B	OPTION 35WDG	0.033	LAA	12						
C	DISTINCT 70WG	0.175	LAA	12						
D	MSO	1.00	PMV	12						
E	28% UAN	2.00	PMV	12						
11A	BALANCE PRO 4S	0.07	LAA	9	86	3	92	97	95	99
B	EQUIP 62WG	0.058	LAA	12						
C	MSO	1.00	PMV	12						
D	28% UAN	2.00	PMV	12						
12A	DEFINE 60DF	0.68	LAA	9	71	8	92	99	99	99
B	BUCTRIL+ATRAZ.	0.75	LAA	12						
13A	DEFINE 60DF	0.375	LAA	9	67	10	98	99	99	99
B	OPTION 35WDG	0.033	LAA	12						
C	DISTINCT 70WG	0.088	LAA	12						
D	MSO	1.00	PMV	12						
E	28% UAN	2.00	PMV	12						
14A	BALANCE PRO 4S	0.047	LAA	9	82	2	99	99	97	99
B	LIBERTY	0.42	LAA	12						
C	MSO	1.00	PMV	12						
D	LIQUID AMS	2.00	PMV	12						
15A	BALANCE PRO 4S	0.047	LAA	9	84	5	96	92	94	99
B	OPTION 35WDG	0.033	LAA	12						
C	MSO	1.00	PMV	12						
D	LIQUID AMS	2.00	PMV	12						
16A	DEFINE 60DF	0.375	LAA	9	60	0	99	99	99	99
B	LIBERTY	0.42	LAA	12						
C	ATRAZINE DF	1.00	LAA	12						
D	LIQUID AMS	5.00	PMV	12						

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

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU CON % 05/07/03	ZEAMD CON % 06/06/03	SETFA CON % 06/06/03	AMATA CON % 06/06/03	CHEAL CON % 06/06/03	ABUTH CON % 06/06/03
		RATE	UNIT	TM						
17A	ATRAZINE DF	1.50	LAA	9		0	99	99	99	99
	B»LIBERTY	0.42	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
18A	»LIBERTY	0.42	LAA	12		0	98	96	99	99
	B ATRAZINE DF	1.00	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
19A	»OPTION 35WDG	0.033	LAA	11	68	0	99	57	98	99
	B»MSO	1.00	PMV	11						
	C»LIQUID AMS	2.00	PMV	11						
20A	»OPTION 35WDG	0.033	LAA	11		0	99	89	99	99
	B»DEFINE 60DF	0.30	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
21A	»LIBERTY	0.42	LAA	11		0	97	98	99	99
	B»DEFINE 60DF	0.30	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»LIQUID AMS	5.00	PMV	11						
22A	»LIBERTY	0.42	LAA	12		0	99	99	99	99
	B»LIQUID AMS	5.00	PMV	12						
23A	»LIBERTY	0.31	LAA	12		0	99	99	99	99
	B»LIQUID AMS	5.00	PMV	12						
24A	CHECK	0.00	NA	0		0	0	0	0	0
25A	»LIBERTY	0.13	LAA	12		0	88	94	81	99
	B»CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
26A	»LIBERTY	0.20	LAA	12		0	94	96	88	99
	B»CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
27A	»LIBERTY	0.26	LAA	12		0	94	98	95	99
	B»CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
28A	»LIBERTY	0.26	LAA	12		0	93	97	88	99
	B»CALLISTO 4SC	0.047	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
29A	»LIBERTY	0.31	LAA	12		0	99	99	99	99
	B»DISTINCT 70WG	0.088	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
30A	»LIBERTY	0.31	LAA	12		0	99	99	96	99
	B»HORNET 68.5WG	0.128	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
31A	»LIBERTY	0.31	LAA	12		0	99	98	90	99
	B»AG 02013	6.00	ZMA	12						
	C»CLASS ACT NG	2.50	PMV	12						
32A	»LIBERTY	0.31	LAA	12		2	99	99	93	99
	B»AG 02013	3.00	ZMA	12						
	C»CLASS ACT NG	2.50	PMV	12						
		LSD (0.05)			5.58	2.10	4.83	4.22	3.72	0.00
		STANDARD DEVIATION			2.79	1.05	2.41	2.11	1.86	0.00

**TITLE:** Weed Control Systems in Liberty Link Corn AS-400  
**CREATED:** 04/10/2003 **REVISED:** 11/05/2003 **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	PHBPU	ZEAMD	SETFA	AMATA	CHEAL
		RATE	UNIT		CON % 06/06/03	CON % 06/06/03	CON % 06/27/03	CON % 06/27/03	CON % 06/27/03	CON % 06/27/03
1A	LIBERTY	0.31	LAA	12	99	96	5	99	82	47
B	CLASS ACT NG	2.50	PMV	12						
2A	LIBERTY	0.31	LAA	12	98	95	5	99	73	43
B	PLACEMENT	6.00	ZMA	12						
C	CLASS ACT NG	2.50	PMV	12						
3A	BALANCE PRO 4S	0.047	LAA	9	76	87	0	73	72	50
B	ATRAZINE DF	1.00	LAA	9						
4A	BALANCE PRO 4S	0.094	LAA	9	92	94	0	75	75	63
B	ATRAZINE DF	1.50	LAA	9						
5A	BALANCE PRO 4S	0.07	LAA	9	92	93	0	82	72	67
B	DEFINE 60DF	0.375	LAA	9						
6A	BALANCE PRO 4S	0.07	LAA	9	98	96	0	91	93	90
B	DEFINE 60DF	0.375	LAA	9						
C	ATRAZINE DF	1.50	LAA	9						
7A	EPIC 4L	0.47	LAA	9	99	97	0	93	97	93
B	ATRAZINE DF	1.50	LAA	9						
8A	BALANCE PRO 4S	0.047	LAA	9	99	98	0	86	73	95
B	ATRAZINE DF	1.00	LAA	9						
C	OPTION 35WDG	0.033	LAA	11						
D	MSO	1.00	PMV	11						
E	28% UAN	2.00	PMV	11						
9A	BALANCE PRO 4S	0.047	LAA	9	99	99	0	94	98	99
B	ATRAZINE DF	1.00	LAA	9						
C	LIBERTY	0.42	LAA	11						
D	DEFINE 60DF	0.30	LAA	11						
E	LIQUID AMS	5.00	PMV	11						
10A	ATRAZINE DF	1.50	LAA	9	99	99	3	94	96	99
B	OPTION 35WDG	0.033	LAA	12						
C	DISTINCT 70WG	0.175	LAA	12						
D	MSO	1.00	PMV	12						
E	28% UAN	2.00	PMV	12						
11A	BALANCE PRO 4S	0.07	LAA	9	97	98	0	91	80	99
B	EQUIP 62WG	0.058	LAA	12						
C	MSO	1.00	PMV	12						
D	28% UAN	2.00	PMV	12						
12A	DEFINE 60DF	0.68	LAA	9	99	99	0	73	99	99
B	BUCTRIL+ATRAZ.	0.75	LAA	12						
13A	DEFINE 60DF	0.375	LAA	9	99	99	2	97	82	99
B	OPTION 35WDG	0.033	LAA	12						
C	DISTINCT 70WG	0.088	LAA	12						
D	MSO	1.00	PMV	12						
E	28% UAN	2.00	PMV	12						
14A	BALANCE PRO 4S	0.047	LAA	9	99	99	3	94	82	86
B	LIBERTY	0.42	LAA	12						
C	MSO	1.00	PMV	12						
D	LIQUID AMS	2.00	PMV	12						
15A	BALANCE PRO 4S	0.047	LAA	9	97	97	0	93	68	77
B	OPTION 35WDG	0.033	LAA	12						
C	MSO	1.00	PMV	12						
D	LIQUID AMS	2.00	PMV	12						
16A	DEFINE 60DF	0.375	LAA	9	99	99	0	98	95	96
B	LIBERTY	0.42	LAA	12						
C	ATRAZINE DF	1.00	LAA	12						
D	LIQUID AMS	5.00	PMV	12						

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

TRT NUM	TREATMENT COMPONENT	DOSAGE			POLPY	PHBPU	ZEAMD	SETFA	AMATA	CHEAL
		RATE	UNIT	TM	CON % 06/06/03	CON % 06/06/03	CON % 06/27/03	CON % 06/27/03	CON % 06/27/03	CON % 06/27/03
17A	ATRAZINE DF	1.50	LAA	9	99	98	2	99	33	99
	B»LIBERTY	0.42	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
18A	»LIBERTY	0.42	LAA	12	99	99	5	96	95	99
	B ATRAZINE DF	1.00	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
19A	»OPTION 35WDG	0.033	LAA	11	98	98	0	96	97	98
	B»MSO	1.00	PMV	11						
	C»LIQUID AMS	2.00	PMV	11						
20A	»OPTION 35WDG	0.033	LAA	11	99	99	0	92	50	99
	B»DEFINE 60DF	0.30	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.00	PMV	11						
21A	»LIBERTY	0.42	LAA	11	99	99	0	89	77	99
	B»DEFINE 60DF	0.30	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»LIQUID AMS	5.00	PMV	11						
22A	»LIBERTY	0.42	LAA	12	99	99	2	96	85	75
	B»LIQUID AMS	5.00	PMV	12						
23A	»LIBERTY	0.31	LAA	12	99	99	2	97	82	77
	B»LIQUID AMS	5.00	PMV	12						
24A	CHECK	0.00	NA	0	0	0	0	0	0	0
25A	»LIBERTY	0.13	LAA	12	95	94	5	63	99	99
	B»CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
26A	»LIBERTY	0.20	LAA	12	95	95	5	75	99	99
	B»CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
27A	»LIBERTY	0.26	LAA	12	99	96	5	85	97	99
	B»CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
28A	»LIBERTY	0.26	LAA	12	96	96	5	87	93	99
	B»CALLISTO 4SC	0.047	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
29A	»LIBERTY	0.31	LAA	12	99	99	5	96	78	72
	B»DISTINCT 70WG	0.088	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
30A	»LIBERTY	0.31	LAA	12	99	99	5	94	90	76
	B»HORNET 68.5WG	0.128	LAA	12						
	C»LIQUID AMS	5.00	PMV	12						
31A	»LIBERTY	0.31	LAA	12	99	99	5	99	82	40
	B»AG 02013	6.00	ZMA	12						
	C»CLASS ACT NG	2.50	PMV	12						
32A	»LIBERTY	0.31	LAA	12	99	99	5	96	78	50
	B»AG 02013	3.00	ZMA	12						
	C»CLASS ACT NG	2.50	PMV	12						
LSD (0.05)					3.19	3.00	2.07	6.48	8.58	7.22
STANDARD DEVIATION					1.60	1.49	1.00	3.24	4.29	3.61

**TITLE:** Weed Control Systems in Liberty Link Corn AS-400  
**CREATED:** 04/10/2003 **REVISED:** 11/05/2003 **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	ABUTH CON % 06/27/03	POLPY CON % 06/27/03	PHBPU CON % 06/27/03	YIELD BU/A 09/26/03
		RATE	UNIT					
1A	LIBERTY	0.31	LAA 12		99	93	85	77.9
B	CLASS ACT NG	2.50	PMV 12					
2A	LIBERTY	0.31	LAA 12		99	80	81	86.1
B	PLACEMENT	6.00	ZMA 12					
C	CLASS ACT NG	2.50	PMV 12					
3A	BALANCE PRO 4S	0.047	LAA 9		99	65	73	130.1
B	ATRAZINE DF	1.00	LAA 9					
4A	BALANCE PRO 4S	0.094	LAA 9		99	82	80	155.0
B	ATRAZINE DF	1.50	LAA 9					
5A	BALANCE PRO 4S	0.07	LAA 9		99	82	72	158.5
B	DEFINE 60DF	0.375	LAA 9					
6A	BALANCE PRO 4S	0.07	LAA 9		99	96	91	189.4
B	DEFINE 60DF	0.375	LAA 9					
C	ATRAZINE DF	1.50	LAA 9					
7A	EPIC 4L	0.47	LAA 9		99	96	89	173.7
B	ATRAZINE DF	1.50	LAA 9					
8A	BALANCE PRO 4S	0.047	LAA 9		99	96	90	171.2
B	ATRAZINE DF	1.00	LAA 9					
C	OPTION 35WDG	0.033	LAA 11					
D	MSO	1.00	PMV 11					
E	28% UAN	2.00	PMV 11					
9A	BALANCE PRO 4S	0.047	LAA 9		99	99	95	193.0
B	ATRAZINE DF	1.00	LAA 9					
C	LIBERTY	0.42	LAA 11					
D	DEFINE 60DF	0.30	LAA 11					
E	LIQUID AMS	5.00	PMV 11					
10A	ATRAZINE DF	1.50	LAA 9		98	98	96	176.4
B	OPTION 35WDG	0.033	LAA 12					
C	DISTINCT 70WG	0.175	LAA 12					
D	MSO	1.00	PMV 12					
E	28% UAN	2.00	PMV 12					
11A	BALANCE PRO 4S	0.07	LAA 9		99	99	94	188.8
B	EQUIP 62WG	0.058	LAA 12					
C	MSO	1.00	PMV 12					
D	28% UAN	2.00	PMV 12					
12A	DEFINE 60DF	0.68	LAA 9		95	99	92	183.4
B	BUCTRIL+ATRAZ.	0.75	LAA 12					
13A	DEFINE 60DF	0.375	LAA 9		97	99	95	178.3
B	OPTION 35WDG	0.033	LAA 12					
C	DISTINCT 70WG	0.088	LAA 12					
D	MSO	1.00	PMV 12					
E	28% UAN	2.00	PMV 12					
14A	BALANCE PRO 4S	0.047	LAA 9		99	99	94	197.8
B	LIBERTY	0.42	LAA 12					
C	MSO	1.00	PMV 12					
D	LIQUID AMS	2.00	PMV 12					
15A	BALANCE PRO 4S	0.047	LAA 9		99	99	91	165.9
B	OPTION 35WDG	0.033	LAA 12					
C	MSO	1.00	PMV 12					
D	LIQUID AMS	2.00	PMV 12					
16A	DEFINE 60DF	0.375	LAA 9		99	98	96	207.2
B	LIBERTY	0.42	LAA 12					
C	ATRAZINE DF	1.00	LAA 12					
D	LIQUID AMS	5.00	PMV 12					



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

TRT NUM	TREATMENT COMPONENT	DOSAGE			ABUTH CON % 06/27/03	POLPY CON % 06/27/03	PHBPU CON % 06/27/03	YIELD BU/A 09/26/03
		RATE	UNIT	TM				
17A	ATRAZINE DF	1.50	LAA	9	99	99	94	66.4
	B»LIBERTY	0.42	LAA	12				
	C»LIQUID AMS	5.00	PMV	12				
18A»	LIBERTY	0.42	LAA	12	99	99	96	124.2
	B ATRAZINE DF	1.00	LAA	12				
	C»LIQUID AMS	5.00	PMV	12				
19A»	OPTION 35WDG	0.033	LAA	11	99	99	94	189.3
	B»MSO	1.00	PMV	11				
	C»LIQUID AMS	2.00	PMV	11				
20A»	OPTION 35WDG	0.033	LAA	11	99	99	94	161.4
	B»DEFINE 60DF	0.30	LAA	11				
	C ATRAZINE DF	1.00	LAA	11				
	D»MSO	1.00	PMV	11				
	E 28% UAN	2.00	PMV	11				
21A»	LIBERTY	0.42	LAA	11	99	99	94	189.5
	B»DEFINE 60DF	0.30	LAA	11				
	C ATRAZINE DF	1.00	LAA	11				
	D»LIQUID AMS	5.00	PMV	11				
22A»	LIBERTY	0.42	LAA	12	99	99	93	143.0
	B»LIQUID AMS	5.00	PMV	12				
23A»	LIBERTY	0.31	LAA	12	99	99	91	145.6
	B»LIQUID AMS	5.00	PMV	12				
24A	CHECK	0.00	NA	0	0	0	0	25.4
25A»	LIBERTY	0.13	LAA	12	99	99	95	116.8
	B»CALLISTO 4SC	0.094	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D»COC	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
26A»	LIBERTY	0.20	LAA	12	99	99	96	140.4
	B»CALLISTO 4SC	0.094	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D»COC	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
27A»	LIBERTY	0.26	LAA	12	99	99	97	151.1
	B»CALLISTO 4SC	0.094	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D»COC	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
28A»	LIBERTY	0.26	LAA	12	99	99	95	155.6
	B»CALLISTO 4SC	0.047	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D»COC	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
29A»	LIBERTY	0.31	LAA	12	99	99	93	129.0
	B»DISTINCT 70WG	0.088	LAA	12				
	C»LIQUID AMS	5.00	PMV	12				
30A»	LIBERTY	0.31	LAA	12	89	98	92	145.1
	B»HORNET 68.5WG	0.128	LAA	12				
	C»LIQUID AMS	5.00	PMV	12				
31A»	LIBERTY	0.31	LAA	12	88	85	78	94.4
	B»AG 02013	6.00	ZMA	12				
	C»CLASS ACT NG	2.50	PMV	12				
32A»	LIBERTY	0.31	LAA	12	93	91	80	111.9
	B»AG 02013	3.00	ZMA	12				
	C»CLASS ACT NG	2.50	PMV	12				
		LSD (0.05)			5.13	5.31	5.74	34.56
		STANDARD DEVIATION			2.56	2.65	2.87	17.45

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 04/18/2003(1)  
 11 = ----- / EPOST 05/19/2003(2)  
 12 = ----- / POST 05/27/2003(3)

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 %	05/07/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/07/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	05/07/2003	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	05/07/2003	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/07/2003	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY	CON %	05/07/2003	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	05/07/2003	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/06/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/06/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/06/2003	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	06/06/2003	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/06/2003	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	POLPY	CON %	06/06/2003	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	06/06/2003	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	06/27/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	06/27/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	06/27/2003	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	CHEAL	CON %	06/27/2003	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	06/27/2003	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	POLPY	CON %	06/27/2003	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	PHBPU	CON %	06/27/2003	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	YIELD	BU/A	09/26/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = GARST 8409LL