

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/25/01	05/18/01	05/30/01	06/11/01	AME
AIR TEMPERATURE	52	75	65	78	F
% REL.HUMIDITY	95	85	30	83	
WIND DIRECTION	---	NORTH	EAST	WEST	
WIND SPEED	0.0	2.0	5.0	2.0	M/H
CLOUD COVER	CLOUDY	CLEAR	CLOUDY	CLEAR	
DEW	---	MOIST	DRY	DRY	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
CORN, DENT		---/14	---/16	---/18	
N 58D1LL		8.00/8.00	14.0/14.0	18.0/20.0	IN
04/24/2001					
*** PEST ***					
VELVETLEAF		---/13	---/14	---/13	
		1.00/3.00	2.00/4.00	1.00/3.00	IN
LAMBSQUARTERS, C		---/16	---/19	---/19	
		1.00/1.00	2.00/4.00	2.00/4.00	IN
MORNINGGLORY, TA		---/12	---/16	---/14	
		1.00/1.00	1.00/3.00	1.00/3.00	IN
SMARTWEED, PENNS		---/15	---/19	---/16	
		1.00/3.00	2.00/6.00	2.00/4.00	IN
FOXTAIL, GIANT		---/11	---/13	---/12	
		1.00/3.00	2.00/6.00	1.00/3.00	IN

* TIMING CODES

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

* STAGE CODE

11 = FIRST LEAF UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Weed control systems in Liberty Link corn AS-200

CREATED: 04/13/2001 REVISED: 10/15/2001

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			ZEAMD	SETFA	ABUTH	CHEAL	POLPY	PHBPU
		RATE	UNIT	TM	CON % 05/17/01	CON % 05/17/01	CON % 05/17/01	CON % 05/17/01	CON % 05/17/01	CON % 05/17/01
1A	BALANCE PRO 4S	0.094	LAA	9	0	87	90	80	75	87
B	DEFINE 60DF	0.45	LAA	9						
2A	BALANCE PRO 4S	0.094	LAA	9	0	85	90	92	85	85
B	ATRAZINE DF	1.00	LAA	9						
3A	BALANCE PRO 4S	0.047	LAA	9	0	87	93	82	82	80
B	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	LIQUID AMS	5.00	PMV	12						
4A	BALANCE PRO 4S	0.07	LAA	9	0	90	93	85	83	90
B	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	LIQUID AMS	5.00	PMV	12						
5A	BALANCE PRO 4S	0.07	LAA	9	0	88	92	87	83	83
B	AEF 130360-1 7	0.066	LAA	12						
C	MSO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	DEFINE 60DF	0.53	LAA	9	0	90	85	85	83	85
B	AEF 130360-2 6	0.057	LAA	12						
C	MSO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
8A	AXIOM	0.81	LAA	9	0	90	90	82	87	87
B	MARKSMAN SC	1.20	LAA	11						
C	LIQUID AMS	2.50	PMV	11						
9A	AXIOM	0.43	LAA	9	0	95	92	90	83	90
B	ATRAZINE DF	1.00	LAA	9						
C	LIBERTY	0.26	LAA	12						
D	ATRAZINE DF	0.80	LAA	12						
E	LIQUID AMS	5.00	PMV	12						
10A	ATRAZINE DF	1.00	LAA	9	0	87	77	80	78	83
B	DEFINE 60DF	0.60	LAA	11						
C	LIBERTY	0.26	LAA	11						
D	ATRAZINE DF	0.80	LAA	11						
E	LIQUID AMS	5.00	PMV	11						
11A	LIBERTY	0.36	LAA	11	0	0	0	0	0	0
B	ATRAZINE DF	1.00	LAA	11						
C	LIQUID AMS	5.00	PMV	11						
12A	DEFINE 60DF	0.225	LAA	11	0	0	0	0	0	0
B	LIBERTY	0.36	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	LIQUID AMS	5.00	PMV	11						
13A	DEFINE 60DF	0.34	LAA	11	0	0	0	0	0	0
B	LIBERTY	0.36	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	LIQUID AMS	5.00	PMV	11						
14A	DEFINE 60DF	0.45	LAA	11	0	0	0	0	0	0
B	LIBERTY	0.36	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	LIQUID AMS	5.00	PMV	11						
15A	DEFINE 60DF	0.30	LAA	11	0	0	0	0	0	0
B	AEF 130360-2 6	0.067	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	MSO	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						

DATA MEAN

TITLE: Weed control systems in Liberty Link corn AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	CHEAL	POLPY	PHBPU	
		RATE	UNIT		CON % 05/17/01	CON % 05/17/01	CON % 05/17/01	CON % 05/17/01	CON % 05/17/01	CON % 05/17/01	
16A»	DEFINE 60DF	0.30	LAA	11	0	0	0	0	0	0	
	B»AEF 130360-1 7	0.066	LAA	11							
	C ATRAZINE DF	1.00	LAA	11							
	D»MSO	1.00	PMV	11							
	E 28% UAN	2.50	PMV	11							
17A»	LIBERTY	0.36	LAA	11	0	0	0	0	0	0	
	B ATRAZINE DF	1.00	LAA	11							
	C»CLASS ACT N	2.50	PMV	11							
18A»	AXIOM	0.81	LAA	9	0	90	93	93	83	93	
	B ATRAZINE DF	1.00	LAA	9							
19A»	LIBERTY	0.26	LAA	11	0	0	0	0	0	0	
	B»LIQUID AMS	5.00	PMV	11							
	C»LIBERTY	0.26	LAA	13							
	D»LIQUID AMS	5.00	PMV	13							
20A	ATRAZINE DF	1.00	LAA	9	0	83	77	77	72	83	
	B»LIBERTY	0.31	LAA	11							
	C ATRAZINE DF	0.50	LAA	11							
	D»LIQUID AMS	5.00	PMV	11							
					LSD (0.05)	0.00	3.88	6.88	8.00	8.13	4.12
					STANDARD DEVIATION	0.00	1.92	3.40	4.00	4.00	2.00

DATA MEAN

TITLE: Weed control systems in Liberty Link corn AS-200

CREATED: 04/13/2001 REVISED: 10/15/2001

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			ZEAMD	SETFA	ABUTH	CHEAL	POLPY	PHBPU
		RATE	UNIT	TM	CON % 06/19/01	CON % 06/19/01	CON % 06/19/01	CON % 06/19/01	CON % 06/19/01	CON % 06/19/01
1A	BALANCE PRO 4S	0.094	LAA	9	0	93	99	70	77	50
B	DEFINE 60DF	0.45	LAA	9						
2A	BALANCE PRO 4S	0.094	LAA	9	0	86	98	98	93	75
B	ATRAZINE DF	1.00	LAA	9						
3A	BALANCE PRO 4S	0.047	LAA	9	0	98	99	89	99	94
B	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	LIQUID AMS	5.00	PMV	12						
4A	BALANCE PRO 4S	0.07	LAA	9	0	99	99	89	96	96
B	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	LIQUID AMS	5.00	PMV	12						
5A	BALANCE PRO 4S	0.07	LAA	9	0	99	99	96	95	95
B	AEF 130360-1 7	0.066	LAA	12						
C	MSO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	DEFINE 60DF	0.53	LAA	9	0	99	99	97	96	96
B	AEF 130360-2 6	0.057	LAA	12						
C	MSO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
8A	AXIOM	0.81	LAA	9	0	99	99	99	99	99
B	MARKSMAN SC	1.20	LAA	11						
C	LIQUID AMS	2.50	PMV	11						
9A	AXIOM	0.43	LAA	9	0	99	99	99	99	99
B	ATRAZINE DF	1.00	LAA	9						
C	LIBERTY	0.26	LAA	12						
D	ATRAZINE DF	0.80	LAA	12						
E	LIQUID AMS	5.00	PMV	12						
10A	ATRAZINE DF	1.00	LAA	9	0	99	99	99	99	98
B	DEFINE 60DF	0.60	LAA	11						
C	LIBERTY	0.26	LAA	11						
D	ATRAZINE DF	0.80	LAA	11						
E	LIQUID AMS	5.00	PMV	11						
11A	LIBERTY	0.36	LAA	11	0	83	94	99	99	88
B	ATRAZINE DF	1.00	LAA	11						
C	LIQUID AMS	5.00	PMV	11						
12A	DEFINE 60DF	0.225	LAA	11	0	99	96	99	99	98
B	LIBERTY	0.36	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	LIQUID AMS	5.00	PMV	11						
13A	DEFINE 60DF	0.34	LAA	11	0	98	98	99	99	97
B	LIBERTY	0.36	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	LIQUID AMS	5.00	PMV	11						
14A	DEFINE 60DF	0.45	LAA	11	0	99	98	99	99	99
B	LIBERTY	0.36	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	LIQUID AMS	5.00	PMV	11						
15A	DEFINE 60DF	0.30	LAA	11	0	99	99	99	99	99
B	AEF 130360-2 6	0.067	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	MSO	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						

DATA MEAN

TITLE: Weed control systems in Liberty Link corn AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	CHEAL	POLPY	PHBPU
		RATE	UNIT		CON % 06/19/01	CON % 06/19/01	CON % 06/19/01	CON % 06/19/01	CON % 06/19/01	CON % 06/19/01
16A	»DEFINE 60DF	0.30	LAA	11	0	99	99	99	99	96
	B»AEF 130360-1 7	0.066	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
17A	»LIBERTY	0.36	LAA	11	0	89	99	99	99	96
	B ATRAZINE DF	1.00	LAA	11						
	C»CLASS ACT N	2.50	PMV	11						
18A	»AXIOM	0.81	LAA	9	0	92	77	93	92	75
	B ATRAZINE DF	1.00	LAA	9						
19A	»LIBERTY	0.26	LAA	11	0	99	99	90	97	96
	B»LIQUID AMS	5.00	PMV	11						
	C»LIBERTY	0.26	LAA	13						
	D»LIQUID AMS	5.00	PMV	13						
20A	ATRAZINE DF	1.00	LAA	9	0	88	98	99	99	94
	B»LIBERTY	0.31	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	5.00	PMV	11						
			LSD (0.05)		0.00	4.19	2.50	6.51	4.00	5.59
			STANDARD DEVIATION		0.00	2.07	1.24	3.22	2.00	2.76

DATA MEAN

TITLE: Weed control systems in Liberty Link corn AS-200

CREATED: 04/13/2001 REVISED: 10/15/2001

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			ZEAMD	SETFA	ABUTH	CHEAL	POLPY	PHBPU
		RATE	UNIT	TM	CON % 07/05/01	CON % 07/05/01	CON % 07/05/01	CON % 07/05/01	CON % 07/05/01	CON % 07/05/01
1A	BALANCE PRO 4S	0.094	LAA	9	0	91	98	78	82	70
B	DEFINE 60DF	0.45	LAA	9						
2A	BALANCE PRO 4S	0.094	LAA	9	0	85	96	93	88	77
B	ATRAZINE DF	1.00	LAA	9						
3A	BALANCE PRO 4S	0.047	LAA	9	0	98	99	91	98	92
B	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	LIQUID AMS	5.00	PMV	12						
4A	BALANCE PRO 4S	0.07	LAA	9	0	99	99	89	94	93
B	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	LIQUID AMS	5.00	PMV	12						
5A	BALANCE PRO 4S	0.07	LAA	9	0	98	99	95	95	92
B	AEF 130360-1 7	0.066	LAA	12						
C	MISO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	DEFINE 60DF	0.53	LAA	9	0	99	99	95	96	93
B	AEF 130360-2 6	0.057	LAA	12						
C	MISO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
8A	AXIOM	0.81	LAA	9	0	98	98	99	99	98
B	MARKSMAN SC	1.20	LAA	11						
C	LIQUID AMS	2.50	PMV	11						
9A	AXIOM	0.43	LAA	9	0	98	98	99	99	97
B	ATRAZINE DF	1.00	LAA	9						
C	LIBERTY	0.26	LAA	12						
D	ATRAZINE DF	0.80	LAA	12						
E	LIQUID AMS	5.00	PMV	12						
10A	ATRAZINE DF	1.00	LAA	9	0	99	99	99	99	96
B	DEFINE 60DF	0.60	LAA	11						
C	LIBERTY	0.26	LAA	11						
D	ATRAZINE DF	0.80	LAA	11						
E	LIQUID AMS	5.00	PMV	11						
11A	LIBERTY	0.36	LAA	11	0	87	93	99	99	89
B	ATRAZINE DF	1.00	LAA	11						
C	LIQUID AMS	5.00	PMV	11						
12A	DEFINE 60DF	0.225	LAA	11	0	99	94	99	99	95
B	LIBERTY	0.36	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	LIQUID AMS	5.00	PMV	11						
13A	DEFINE 60DF	0.34	LAA	11	0	99	99	99	99	99
B	LIBERTY	0.36	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	LIQUID AMS	5.00	PMV	11						
14A	DEFINE 60DF	0.45	LAA	11	0	99	99	99	99	99
B	LIBERTY	0.36	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	LIQUID AMS	5.00	PMV	11						
15A	DEFINE 60DF	0.30	LAA	11	0	98	99	99	99	99
B	AEF 130360-2 6	0.067	LAA	11						
C	ATRAZINE DF	1.00	LAA	11						
D	MISO	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						

DATA MEAN

TITLE: Weed control systems in Liberty Link corn AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	CHEAL	POLPY	PHBPU
		RATE	UNIT		CON % 07/05/01	CON % 07/05/01	CON % 07/05/01	CON % 07/05/01	CON % 07/05/01	CON % 07/05/01
16A	»DEFINE 60DF	0.30	LAA	11	0	99	99	99	99	97
	B»AEF 130360-1 7	0.066	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
17A	»LIBERTY	0.36	LAA	11	0	88	97	99	99	93
	B ATRAZINE DF	1.00	LAA	11						
	C»CLASS ACT N	2.50	PMV	11						
18A	»AXIOM	0.81	LAA	9	0	89	74	89	91	77
	B ATRAZINE DF	1.00	LAA	9						
19A	»LIBERTY	0.26	LAA	11	0	98	98	88	99	93
	B»LIQUID AMS	5.00	PMV	11						
	C»LIBERTY	0.26	LAA	13						
	D»LIQUID AMS	5.00	PMV	13						
20A	ATRAZINE DF	1.00	LAA	9	0	86	96	99	99	91
	B»LIBERTY	0.31	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»LIQUID AMS	5.00	PMV	11						
LSD (0.05)					0.00	4.92	4.12	6.21	5.00	6.58
STANDARD DEVIATION					0.00	2.44	2.00	3.07	2.45	3.25

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 04/25/2001(1)
- 11 = ----- / EPOST 05/18/2001(2)
- 12 = ----- / POST 05/30/2001(3)
- 13 = ----- / LPOST 06/11/2001(4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
01	ZEAMD	CON %	05/17/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	05/17/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	ABUTH	CON %	05/17/2001	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	CHEAL	CON %	05/17/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	POLPY	CON %	05/17/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	PHBPU	CON %	05/17/2001	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	ZEAMD	CON %	06/19/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	SETFA	CON %	06/19/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	ABUTH	CON %	06/19/2001	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	CHEAL	CON %	06/19/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	POLPY	CON %	06/19/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	PHBPU	CON %	06/19/2001	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	ZEAMD	CON %	07/05/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	SETFA	CON %	07/05/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
15	ABUTH	CON %	07/05/2001	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
16	CHEAL	CON %	07/05/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
17	POLPY	CON %	07/05/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
18	PHBPU	CON %	07/05/2001	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = N 58D1LL