

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.7
 %OM: 1.5
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE:
 PLOT WIDTH: 7.5 X 40 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/15/99	06/11/99	06/19/99	AME
AIR TEMPERATURE	82	90	73	F
% REL.HUMIDITY	52	45	60	
WIND DIRECTION	SOUTHEAST	SOUTH	NORTHEAST	
WIND SPEED	3.0	2.0	2.0	M/H
CLOUD COVER	CLOUDY	CLEAR	PARTCLDY	
DEW	---	NO	NO	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	WET/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
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	42.00	42.00	42.00	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		---/13	---/14	
GARST8600IT		8.00/8.00	10.0/12.0	IN
05/12/1999				
*** PEST ***				
WATERHEMP, COMMO		---/18	---/19	
		2.00/6.00	4.00/8.00	IN
LAMBSQUARTERS, C		---/15	---/19	
		1.00/2.00	2.00/3.00	IN
MORNINGGLORY, IV		---/14	---/17	
		1.00/2.00	2.00/4.00	IN
PANICUM, FALL		---/13	---/14	
		2.00/4.00	3.00/6.00	IN
COCKLEBUR, COMMO		---/13	---/15	
		2.00/4.00	3.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS 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: BT IT/LL AMCYLIO1 AND OTHERS 600-700
CREATED: 05/14/1999 **REVISED:** 09/02/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: BTOWN 600 **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 40.00 FT **LONG** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD	AMATA	CHEAL	IPOHE	XANST	PANDI
	RATE	UNIT		CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99
1A»AXIOM	0.425	LAA	9	0	98	99	99	99	99
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
2A»EPIC 58DF	0.27	LAA	9	0	98	99	96	99	99
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
3A»BALANCE 75WG	0.047	LAA	9	0	98	99	96	99	99
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
4A»ZA1296 4SC	0.12	LAA	9	0	98	99	96	99	95
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
5A TOPNOTCH (3.2C	1.00	LAA	9	0	99	98	98	99	98
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
6A PROWL 3.3EC	0.62	LAA	9	0	93	96	91	95	95
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
7A CHECK	0.00	NA	0	0	0	0	0	0	0
8A PROWL 3.3EC	0.62	LAA	11	0	88	96	99	99	67
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
9A PROWL 3.3EC	1.24	LAA	11	0	98	95	96	99	75
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
10A»LIGHTNING 70DG	0.056	LAA	11	0	92	95	98	99	50
B CLARITY	0.25	LAA	11						
C»ACTIVATE PLUS	0.25	PMV	11						
D AM. SULFATE	2.50	LMA	11						
11A»BALANCE 75WG	0.047	LAA	9	0	95	99	88	99	93
B»LIGHTNING 70DG	0.056	LAA	11						
C»ACTIVATE PLUS	0.25	PMV	11						
D 28% UAN	2.50	PMV	11						
12A»LIGHTNING 70DG	0.056	LAA	11	0	80	96	99	99	85
B ATRAZINE DF	1.00	LAA	11						
C»COC	1.00	PMV	11						
D 28% UAN	2.50	PMV	11						
13A»LIGHTNING 70DG	0.056	LAA	11	0	78	96	99	99	73
B CLARITY	0.188	LAA	11						
C»ACTIVATE PLUS	0.25	PMV	11						
D 28% UAN	2.50	PMV	11						

TITLE: BT IT/LL AMCYLIO1 AND OTHERS 600-700

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	AMATA	CHEAL	IPOHE	XANST	PANDI
		RATE	UNIT		CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99
14A	»LIGHTNING 70DG	0.056	LAA	11	0	90	87	99	99	82
	B»AIM 40 DF	0.008	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
15A	»LIGHTNING 70DG	0.056	LAA	11	0	88	99	99	99	88
	B»AIM 40 DF	0.008	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
16A	»LIGHTNING 70DG	0.056	LAA	11	0	87	99	96	98	85
	B MARKSMAN SC	0.60	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
17A	»LIGHTNING 70DG	0.056	LAA	11	0	95	96	99	99	88
	B»DISTINCT 70WG	0.131	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A	»LIGHTNING 70DG	0.056	LAA	11	0	98	99	96	99	93
	B»DISTINCT 70WG	0.263	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
19A	»LIGHTNING 70DG	0.056	LAA	11	0	95	98	99	99	88
	B»DISTINCT 70WG	0.131	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
20A	»LIGHTNING 70DG	0.056	LAA	11	0	70	88	93	90	40
	B»ACTIVATE PLUS	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
21A	»LIGHTNING 70DG	0.056	LAA	11	0	73	99	98	98	87
	B PROWL 3.3EC	1.24	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
22A	»BASIS GOLD 90D	0.78	LAA	11	0	88	94	91	90	80
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
23A	»BALANCE 75WG	0.094	LAA	9	0	98	99	97	98	96
	B ATRAZINE DF	1.50	LAA	9						
	C»LIGHTNING 70DG	0.056	LAA	12						
	D»COC	1.00	PMV	12						
	E AM. SULFATE	17.00	PMG	12						
24A	»BALANCE 75WG	0.094	LAA	9	0	96	95	92	95	93
	B»LIGHTNING 70DG	0.056	LAA	12						
	C»COC	1.00	PMV	12						
	D AM. SULFATE	17.00	PMG	12						
25A	»BALANCE 75WG	0.094	LAA	9	0	97	98	97	93	95
	B»LIBERTY	0.21	LAA	12						
	C AM. SULFATE	17.00	PMG	12						
26A	»BALANCE 75WG	0.07	LAA	9	0	99	92	90	96	95
	B»LIBERTY	0.26	LAA	12						
	C AM. SULFATE	17.00	PMG	12						
27A	»BALANCE 75WG	0.094	LAA	9	0	96	99	92	98	96
	B ATRAZINE DF	1.50	LAA	9						
	C»LIBERTY	0.21	LAA	12						
	D AM. SULFATE	17.00	PMG	12						
28A	»BALANCE 75WG	0.094	LAA	9	0	96	93	96	93	92
	B»LIBERTY	0.26	LAA	12						
	C AM. SULFATE	17.00	PMG	12						

TITLE: BT IT/LL AMCYLIO1 AND OTHERS 600-700

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06/21/99	AMATA CON % 06/21/99	CHEAL CON % 06/21/99	IPOHE CON % 06/21/99	XANST CON % 06/21/99	PANDI CON % 06/21/99
29A»	BALANCE 75WG	0.094	LAA	9	0	95	92	88	98	96
	B»LIBERTY	0.21	LAA	12						
	C ATRAZINE DF	1.50	LAA	12						
	D AM. SULFATE	17.00	PMG	12						
30A»	BALANCE 75WG	0.094	LAA	9	0	99	99	93	87	96
	B»BICEP II MAGNU	2.90	LAA	9						
	C»EXCEED	0.036	LAA	12						
	D»COC	1.00	PMV	12						
		LSD (0.05)			0.00	8.31	5.44	6.07	6.35	9.46
		STANDARD DEVIATION			0.00	4.16	2.72	3.00	3.18	4.73

TITLE: BT IT/LL AMCYLIO1 AND OTHERS 600-700
CREATED: 05/14/1999 **REVISED:** 09/02/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: BTOWN 600 **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 40.00 FT **LONG** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD	AMATA	CHEAL	IPOHE	XANST	PANDI
	RATE	UNIT		CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99
1A»AXIOM	0.425	LAA	9	0	99	99	98	99	96
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
2A»EPIC 58DF	0.27	LAA	9	0	95	98	96	94	91
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
3A»BALANCE 75WG	0.047	LAA	9	0	99	99	93	94	95
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
4A»ZA1296 4SC	0.12	LAA	9	0	99	99	96	99	83
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
5A TOPNOTCH (3.2C	1.00	LAA	9	0	98	99	96	99	93
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
6A PROWL 3.3EC	0.62	LAA	9	0	96	99	93	99	85
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
7A CHECK	0.00	NA	0	0	0	0	0	0	0
8A PROWL 3.3EC	0.62	LAA	11	0	95	98	93	98	75
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
9A PROWL 3.3EC	1.24	LAA	11	0	99	98	95	99	82
B»LIGHTNING 70DG	0.056	LAA	11						
C CLARITY	0.25	LAA	11						
D»ACTIVATE PLUS	0.25	PMV	11						
E AM. SULFATE	2.50	LMA	11						
10A»LIGHTNING 70DG	0.056	LAA	11	0	90	98	93	98	77
B CLARITY	0.25	LAA	11						
C»ACTIVATE PLUS	0.25	PMV	11						
D AM. SULFATE	2.50	LMA	11						
11A»BALANCE 75WG	0.047	LAA	9	0	85	99	90	92	90
B»LIGHTNING 70DG	0.056	LAA	11						
C»ACTIVATE PLUS	0.25	PMV	11						
D 28% UAN	2.50	PMV	11						
12A»LIGHTNING 70DG	0.056	LAA	11	0	87	93	95	96	83
B ATRAZINE DF	1.00	LAA	11						
C»COC	1.00	PMV	11						
D 28% UAN	2.50	PMV	11						
13A»LIGHTNING 70DG	0.056	LAA	11	0	82	93	92	98	78
B CLARITY	0.188	LAA	11						
C»ACTIVATE PLUS	0.25	PMV	11						
D 28% UAN	2.50	PMV	11						

TITLE: BT IT/LL AMCYLIO1 AND OTHERS 600-700

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	AMATA	CHEAL	IPOHE	XANST	PANDI
		RATE	UNIT		CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/09
14A	»LIGHTNING 70DG	0.056	LAA	11	0	82	94	98	98	78
	B»AIM 40 DF	0.008	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
15A	»LIGHTNING 70DG	0.056	LAA	11	0	85	99	95	99	82
	B»AIM 40 DF	0.008	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
16A	»LIGHTNING 70DG	0.056	LAA	11	0	88	99	96	99	83
	B MARKSMAN SC	0.60	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
17A	»LIGHTNING 70DG	0.056	LAA	11	0	87	99	96	99	80
	B»DISTINCT 70WG	0.131	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A	»LIGHTNING 70DG	0.056	LAA	11	0	96	96	99	99	83
	B»DISTINCT 70WG	0.263	LAA	11						
	C»ACTIVATE PLUS	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
19A	»LIGHTNING 70DG	0.056	LAA	11	0	96	94	90	93	83
	B»DISTINCT 70WG	0.131	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
20A	»LIGHTNING 70DG	0.056	LAA	11	0	80	88	93	99	85
	B»ACTIVATE PLUS	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
21A	»LIGHTNING 70DG	0.056	LAA	11	0	52	98	98	96	93
	B PROWL 3.3EC	1.24	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»ACTIVATE PLUS	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
22A	»BASIS GOLD 90D	0.78	LAA	11	0	82	83	85	78	80
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
23A	»BALANCE 75WG	0.094	LAA	9	0	96	94	95	96	87
	B ATRAZINE DF	1.50	LAA	9						
	C»LIGHTNING 70DG	0.056	LAA	12						
	D»COC	1.00	PMV	12						
	E AM. SULFATE	17.00	PMG	12						
24A	»BALANCE 75WG	0.094	LAA	9	0	91	80	91	78	87
	B»LIGHTNING 70DG	0.056	LAA	12						
	C»COC	1.00	PMV	12						
	D AM. SULFATE	17.00	PMG	12						
25A	»BALANCE 75WG	0.094	LAA	9	0	88	96	98	94	90
	B»LIBERTY	0.21	LAA	12						
	C AM. SULFATE	17.00	PMG	12						
26A	»BALANCE 75WG	0.07	LAA	9	0	87	72	86	92	93
	B»LIBERTY	0.26	LAA	12						
	C AM. SULFATE	17.00	PMG	12						
27A	»BALANCE 75WG	0.094	LAA	9	0	99	96	95	94	92
	B ATRAZINE DF	1.50	LAA	9						
	C»LIBERTY	0.21	LAA	12						
	D AM. SULFATE	17.00	PMG	12						
28A	»BALANCE 75WG	0.094	LAA	9	0	96	82	94	94	88
	B»LIBERTY	0.26	LAA	12						
	C AM. SULFATE	17.00	PMG	12						

TITLE: BT IT/LL AMCYLIO1 AND OTHERS 600-700

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	AMATA	CHEAL	IPOHE	XANST	PANDI
		RATE	UNIT	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99
29A	BALANCE 75WG	0.094	LAA 9	0	93	73	82	93	87
	B»LIBERTY	0.21	LAA 12						
	C ATRAZINE DF	1.50	LAA 12						
	D AM. SULFATE	17.00	PMG 12						
30A	BALANCE 75WG	0.094	LAA 9	0	98	99	87	85	92
	B»BICEP II MAGNU	2.90	LAA 9						
	C»EXCEED	0.036	LAA 12						
	D»COC	1.00	PMV 12						
		LSD (0.05)		0.00	11.71	6.89	8.71	10.35	8.06
		STANDARD DEVIATION		0.00	5.86	3.44	4.35	5.18	4.00

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/15/1999(1)
- 11 = ----- / EPOST 06/11/1999(2)
- 12 = ----- / POST 06/19/1999(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/21/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/21/1999	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/21/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	IPOHE	CON %	06/21/1999	04	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	XANST	CON %	06/21/1999	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PANDI	CON %	06/21/1999	06	P	PANDI		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	08/05/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	08/05/1999	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	08/05/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	IPOHE	CON %	08/05/1999	04	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	XANST	CON %	08/05/1999	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PANDI	CON %	08/05/1909	06	P	PANDI		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = GARST8600IT