

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.7
 %OM: 1.5
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE:
 PLOT WIDTH: 7.5 X 28 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/21/99	06/11/99	06/16/99	AME
AIR TEMPERATURE	75	85	60	F
% REL.HUMIDITY	60	65	50	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	NORTH	
WIND SPEED	2.0	2.0	3.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	CLOUDY	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/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	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		---/13	---/14	
DEKALB DK 512RR		6.00/8.00	8.00/10.0	IN
05/21/1999				
*** PEST ***				
VELVETLEAF		---/12	---/14	
		1.00/2.00	2.00/4.00	IN
RAGWEED, COMMON		---/11	---/13	
		1.00/2.00	2.00/4.00	IN
MORNINGGLORY, IV		---/11	---/13	
		1.00/1.00	1.00/2.00	IN
FOXTAIL, GIANT		---/12	---/13	
		1.00/3.00	2.00/4.00	IN

* TIMING CODES

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

* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
 12 = 2 LEAVES UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4 LEAVES UNFOLDED

TITLE: BT BALANCE N CORN C4S
 CREATED: 05/22/1999 REVISED: 09/07/1999 COMPLETED: N
 PROJECT TYPE: HERBICIDE
 LOCATION: BTOWN C4S RESEARCHED BY: UNIV. OF ILL
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
 PLOT SIZE: 7.50 FT WIDE X 28.00 FT LONG REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMBEL	ABUTH	IPOHE	ZEAMD
		RATE	UNIT		CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 08/05/99
1A	BALANCE 75WG	0.07	LAA	9	0	96	99	99	95	0
B	ATRAZINE DF	1.30	LAA	9						
2A	BALANCE 75WG	0.118	LAA	9	0	95	99	99	92	0
B	ATRAZINE DF	1.30	LAA	9						
3A	BALANCE 75WG	0.118	LAA	9	2	98	99	99	93	0
B	BICEP II MAGNU	1.73	LAA	9						
4A	BALANCE 75WG	0.07	LAA	9	2	99	99	99	93	0
B	FULTIME 4SC	1.49	LAA	9						
5A	BALANCE 75WG	0.07	LAA	9	0	99	99	96	92	0
B	DUAL II MAGNUM	0.86	LAA	9						
6A	BALANCE 75WG	0.07	LAA	9	2	96	99	96	88	0
B	SURPASS 6.4	0.86	LAA	9						
7A	BALANCE 75WG	0.07	LAA	9	0	99	99	98	93	0
B	AXIOM	0.34	LAA	9						
8A	BALANCE 75WG	0.07	LAA	9	0	95	98	99	95	0
B	GUARDSMAN	1.40	LAA	9						
9A	BALANCE 75WG	0.07	LAA	9	0	95	98	99	90	0
B	MON 58430 3.8M	0.86	LAA	9						
10A	EXP31809B 4SC	0.094	LAA	9	0	94	99	99	93	0
B	ATRAZINE DF	1.50	LAA	9						
11A	EXP31809B 4SC	0.0941	LAA	9	0	97	99	99	93	0
B	BICEP II MAGNU	2.07	LAA	9						
12A	EXP31809B 4SC	0.0941	LAA	9	0	95	99	99	95	0
B	HARNESS XTRA	1.75	LAA	9						
13A	EXP31809B 4SC	0.094	LAA	9	2	93	99	99	90	0
B	FULTIME 4SC	1.65	LAA	9						
14A	FRONTIER 6.0EC	1.35	LAA	9	2	99	96	99	99	0
B	MARKSMAN SC	1.20	LAA	11						
C	28% UAN	2.50	PMV	11						
15A	DUAL II MAGNUM	1.37	LAA	9	0	99	88	99	92	0
B	SPIRIT 57WG	0.036	LAA	12						
C	ACTIVATE PLUS	0.25	PMV	12						
D	28% UAN	2.50	PMV	12						
16A	FRONTIER X2 6E	0.89	LAA	9	0	99	99	99	96	0
B	DISTINCT 70WG	0.263	LAA	11						
C	ACTIVATE PLUS	0.25	PMV	11						
D	28% UAN	2.50	PMV	11						
17A	TOPNOTCH (3.2C	1.80	LAA	9	0	99	98	95	92	0
B	HORNET 85.6WG	0.128	LAA	12						
C	ACTIVATE PLUS	0.25	PMV	12						
18A	FRONTIER 6.0EC	0.85	LAA	9	0	99	95	95	95	0
B	CELEBRITY G 75	0.031	LAA	12						
C	DISTINCT 70WG	0.175	LAA	12						
D	ACTIVATE PLUS	0.25	PMV	12						
E	28% UAN	2.50	PMV	12						
19A	DUAL II MAGNUM	1.37	LAA	9	0	99	96	98	95	0
B	EXCEED	0.036	LAA	12						
20A	OPTILL 6L	1.41	LAA	9	2	98	99	99	99	0
B	MARKSMAN SC	1.20	LAA	11						
C	28% UAN	2.50	PMV	11						

TITLE: BT BALANCE N CORN C4S

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMBEL	ABUTH	IPOHE	ZEAMD
		RATE	UNIT	TM	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 06/23/99	CON % 08/05/99
21A»	ZA1296 4SC	0.188	LAA	9	0	85	99	99	96	0
B	ATRAZINE DF	1.30	LAA	9						
22A»	ZA1296 4SC	0.188	LAA	9	0	90	99	99	93	0
B»	FULTIME 4SC	1.49	LAA	9						
23A»	ZA1296 4SC	0.188	LAA	9	0	90	99	99	92	0
B»	MON 58430 3.8M	0.86	LAA	9						
24A»	ZA1296 4SC	0.188	LAA	9	0	88	93	99	93	0
B	SURPASS 6.4	0.86	LAA	9						
25A»	ZA1296 4SC	0.188	LAA	9	0	96	96	99	96	0
B»	AXIOM	0.34	LAA	9						
26A	CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)					2.22	3.23	3.62	2.06	4.38	0.00
STANDARD DEVIATION					1.11	1.61	1.81	1.00	2.19	0.00

TITLE: BT BALANCE N CORN C4S
 CREATED: 05/22/1999 REVISED: 09/07/1999 COMPLETED: N
 PROJECT TYPE: HERBICIDE
 LOCATION: BTOWN C4S RESEARCHED BY: UNIV. OF ILL
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
 PLOT SIZE: 7.50 FT WIDE X 28.00 FT LONG REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMBEL	ABUTH	IPOHE
		RATE	UNIT		CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99
1A»	BALANCE 75WG	0.07	LAA	9	78	96	95	90
B	ATRAZINE DF	1.30	LAA	9				
2A»	BALANCE 75WG	0.118	LAA	9	80	98	96	83
B	ATRAZINE DF	1.30	LAA	9				
3A»	BALANCE 75WG	0.118	LAA	9	92	96	99	88
B»	BICEP II MAGNU	1.73	LAA	9				
4A»	BALANCE 75WG	0.07	LAA	9	75	96	99	80
B»	FULTIME 4SC	1.49	LAA	9				
5A»	BALANCE 75WG	0.07	LAA	9	88	93	96	72
B»	DUAL II MAGNUM	0.86	LAA	9				
6A»	BALANCE 75WG	0.07	LAA	9	78	85	96	72
B	SURPASS 6.4	0.86	LAA	9				
7A»	BALANCE 75WG	0.07	LAA	9	68	88	99	63
B»	AXIOM	0.34	LAA	9				
8A»	BALANCE 75WG	0.07	LAA	9	67	89	99	77
B»	GUARDSMAN	1.40	LAA	9				
9A»	BALANCE 75WG	0.07	LAA	9	55	80	88	58
B»	MON 58430 3.8M	0.86	LAA	9				
10A»	EXP31809B 4SC	0.094	LAA	9	75	99	96	78
B	ATRAZINE DF	1.50	LAA	9				
11A»	EXP31809B 4SC	0.0941	LAA	9	87	91	99	78
B»	BICEP II MAGNU	2.07	LAA	9				
12A»	EXP31809B 4SC	0.0941	LAA	9	77	96	99	78
B	HARNESS XTRA	1.75	LAA	9				
13A»	EXP31809B 4SC	0.094	LAA	9	67	99	99	72
B»	FULTIME 4SC	1.65	LAA	9				
14A»	FRONTIER 6.0EC	1.35	LAA	9	65	98	93	85
B	MARKSMAN SC	1.20	LAA	11				
C	28% UAN	2.50	PMV	11				
15A»	DUAL II MAGNUM	1.37	LAA	9	91	99	92	82
B»	SPIRIT 57WG	0.036	LAA	12				
C»	ACTIVATE PLUS	0.25	PMV	12				
D	28% UAN	2.50	PMV	12				
16A»	FRONTIER X2 6E	0.89	LAA	9	90	99	96	90
B»	DISTINCT 70WG	0.263	LAA	11				
C»	ACTIVATE PLUS	0.25	PMV	11				
D	28% UAN	2.50	PMV	11				
17A	TOPNOTCH (3.2C	1.80	LAA	9	77	96	98	80
B»	HORNET 85.6WG	0.128	LAA	12				
C»	ACTIVATE PLUS	0.25	PMV	12				
18A»	FRONTIER 6.0EC	0.85	LAA	9	90	96	90	88
B»	CELEBRITY G 75	0.031	LAA	12				
C»	DISTINCT 70WG	0.175	LAA	12				
D»	ACTIVATE PLUS	0.25	PMV	12				
E	28% UAN	2.50	PMV	12				
19A»	DUAL II MAGNUM	1.37	LAA	9	85	99	93	93
B»	EXCEED	0.036	LAA	12				
20A»	OPTILL 6L	1.41	LAA	9	77	90	96	85
B	MARKSMAN SC	1.20	LAA	11				
C	28% UAN	2.50	PMV	11				

TITLE: BT BALANCE N CORN C4S

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMBEL	ABUTH	IPOHE	
		RATE	UNIT	TM	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	CON % 08/05/99	
21A»	ZA1296 4SC	0.188	LAA	9	77	98	95	90	
	B ATRAZINE DF	1.30	LAA	9					
22A»	ZA1296 4SC	0.188	LAA	9	57	90	99	72	
	B»FULTIME 4SC	1.49	LAA	9					
23A»	ZA1296 4SC	0.188	LAA	9	62	90	99	75	
	B»MON 58430 3.8M	0.86	LAA	9					
24A»	ZA1296 4SC	0.188	LAA	9	42	83	99	60	
	B SURPASS 6.4	0.86	LAA	9					
25A»	ZA1296 4SC	0.188	LAA	9	62	85	98	82	
	B»AXIOM	0.34	LAA	9					
26A	CHECK	0.00	NA	0	0	0	0	0	
					LSD (0.05)	15.55	10.00	6.55	15.16
					STANDARD DEVIATION	7.77	5.00	3.27	7.58

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/21/1999(1)
- 11 = ----- / EPOST 06/11/1999(2)
- 12 = ----- / POST 06/16/1999(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 %	06/23/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/23/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	06/23/1999	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/23/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	IPOHE	CON %	06/23/1999	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	08/05/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	08/05/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBEL	CON %	08/05/1999	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	08/05/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	IPOHE	CON %	08/05/1999	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB DK 512RR