

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 6.0
%OM: 6.0
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE:
PLOT WIDTH: 7.5 X 29 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/04/99	06/15/99	AME
AIR TEMPERATURE	81	65	F
% REL. HUMIDITY	35	57	
WIND DIRECTION	SOUTHEAST	NORTHEAST	
WIND SPEED	10.0	7.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
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		---/13	
PIONEER 34G81		8.00/10.0	IN
05/03/1999			
*** PEST ***			
VELVETLEAF		---/14	
		2.00/4.00	IN
RAGWEED, GIANT		---/16	
		3.00/6.00	IN
LAMBSQUARTERS, C		---/16	
		1.00/2.00	IN
FOXTAIL, GIANT		---/13	
		3.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

13 = 3 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: WEED CONTROL SYSTEMS IN CORN
CREATED: 04/21/1999 **REVISED:** 11/15/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DEKALB **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 29.00 FT LONG **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	AMBTR	CHEAL	ZEAMD
	RATE	UNIT		CON % 06/07/99	CON % 06/07/99	CON % 06/07/99	CON % 06/07/99	CON % 06/07/99	CON % 07/01/99
1A»DUAL II MAGNUM	1.60	LAA	9	0	0	0	0	0	0
B»NORTHSTAR 47.4	0.148	LAA	12						
C»COC	1.25	PMV	12						
D AM. SULFATE	12.50	PMG	12						
2A»DUAL II MAGNUM	1.60	LAA	9	0	0	0	0	0	0
B»SPIRIT 57WG	0.036	LAA	12						
C»COC	1.25	PMV	12						
D AM. SULFATE	12.50	PMG	12						
3A»BICEP II MAGNU	3.20	LAA	9	1	93	72	99	99	0
4A»BICEP TR 4.59L	4.59	LAA	9	3	99	88	99	99	0
5A»BICEP II MAGNU	3.20	LAA	9	0	0	0	0	0	0
B»NORTHSTAR 47.4	0.148	LAA	12						
C»COC	1.25	PMV	12						
D AM. SULFATE	12.50	PMG	12						
6A CHECK	0.00	NA	0	0	0	0	0	0	0
7A»HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
8A»DUAL II MAGNUM	1.60	LAA	9	0	0	0	0	0	0
B»NORTHSTAR 47.4	0.148	LAA	12						
C»COC	1.25	PMV	12						
D AM. SULFATE	12.50	PMG	12						
9A»DUAL II MAGNUM	1.60	LAA	9	0	0	0	0	0	0
B»SPIRIT 57WG	0.036	LAA	12						
C»COC	1.25	PMV	12						
D AM. SULFATE	12.50	PMG	12						
10A»FRONTIER 6.0EC	1.50	LAA	9	0	0	0	0	0	0
B MARKSMAN SC	1.40	LAA	12						
11A»LEADOFF 5SE	0.94	LAA	9	0	0	0	0	0	0
B»BASIS GOLD 90D	0.79	LAA	12						
C»COC	1.00	PMV	12						
D 28% UAN	2.50	PMV	12						
12A»FULTIME 4SC	3.50	LAA	9	0	0	0	0	0	0
B»HORNET 85.6WG	0.128	LAA	12						
13A»HARNES EXTRA	3.64	LAA	9	0	99	78	99	99	0
14A»FRONTIER 6.0EC	1.50	LAA	9	0	0	0	0	0	0
B»DISTINCT 70WG	0.26	LAA	12						
C»ACTIVATE PLUS	0.25	PMV	12						
D 28% UAN	2.50	PMV	12						
15A»BALANCE 75WG	0.094	LAA	9	5	92	98	99	99	0
B ATRAZINE DF	1.50	LAA	9						
16A»BICEP II MAGNU	3.20	LAA	9	0	93	82	99	99	0
B»HORNET 85.6WG	0.107	LAA	9						
17A»BICEP II MAGNU	3.20	LAA	9	3	98	80	99	99	0
B»PYTHON 80WG	0.04	LAA	9						
18A»BICEP II MAGNU	3.20	LAA	9	0	96	72	99	99	0
19A»ICIA5676/ZA129	1.97	LAA	9	2	94	98	99	99	0
20A»ICIA5676/ZA129	2.19	LAA	9	3	97	96	99	99	0
21A»TOPNOTCH	2.00	LAA	9	0	0	0	0	0	0
B»ZA1296 4SC	0.094	LAA	12						
C»COC	1.00	PMV	12						
D 28% UAN	2.50	PMV	12						

TITLE: WEED CONTROL SYSTEMS IN CORN

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	ABUTH	AMBTR	CHEAL	ZEAMD
		RATE	UNIT	TM	CON % 06/07/99	CON % 06/07/99	CON % 06/07/99	CON % 06/07/99	CON % 06/07/99	CON % 07/01/99
22A	TOPNOTCH	2.00	LAA	9	0	0	0	0	0	0
	B>>ZA1296 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D>>COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
23A	FRONTIER 6.0EC	3.00	LAA	9	0	0	0	0	0	0
	B>>ZA1296 4SC	0.094	LAA	12						
	C>>COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
24A	TOPNOTCH	2.00	LAA	9	0	0	0	0	0	0
	B>>SHOTGUN	1.22	LAA	12						
			LSD (0.05)		2.50	2.73	3.60	0.00	0.00	0.00
			STANDARD DEVIATION		1.25	1.36	1.80	0.00	0.00	0.00

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CREATED: 04/21/1999 **REVISED:** 11/15/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DEKALB **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 29.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	ABUTH	AMBTR	CHEAL	ZEAMD	SETFA
		RATE	UNIT		CON % 07/01/99	CON % 07/01/99	CON % 07/01/99	CON % 07/01/99	CON % 07/21/99	CON % 07/19/09
1A	DUAL II MAGNUM	1.60	LAA	9	96	93	99	99	0	92
B	NORTHSTAR 47.4	0.148	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
2A	DUAL II MAGNUM	1.60	LAA	9	91	92	99	99	0	95
B	SPIRIT 57WG	0.036	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
3A	BICEP II MAGNU	3.20	LAA	9	82	83	94	98	0	95
4A	BICEP TR 4.59L	4.59	LAA	9	98	99	99	99	0	92
5A	BICEP II MAGNU	3.20	LAA	9	90	96	99	99	0	93
B	NORTHSTAR 47.4	0.148	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	HAND WEEDED	0.00	NA	0	99	99	99	99	0	99
8A	DUAL II MAGNUM	1.60	LAA	9	93	90	99	99	0	95
B	NORTHSTAR 47.4	0.148	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
9A	DUAL II MAGNUM	1.60	LAA	9	88	88	93	96	0	96
B	SPIRIT 57WG	0.036	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
10A	FRONTIER 6.0EC	1.50	LAA	9	87	96	99	99	0	95
B	MARKSMAN SC	1.40	LAA	12						
11A	LEADOFF 5SE	0.94	LAA	9	93	80	99	99	0	92
B	BASIS GOLD 90D	0.79	LAA	12						
C	COC	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
12A	FULTIME 4SC	3.50	LAA	9	96	96	99	99	0	95
B	HORNET 85.6WG	0.128	LAA	12						
13A	HARNESS EXTRA	3.64	LAA	9	93	67	99	99	0	95
14A	FRONTIER 6.0EC	1.50	LAA	9	90	96	99	99	0	92
B	DISTINCT 70WG	0.26	LAA	12						
C	ACTIVATE PLUS	0.25	PMV	12						
D	28% UAN	2.50	PMV	12						
15A	BALANCE 75WG	0.094	LAA	9	87	98	99	99	0	96
B	ATRAZINE DF	1.50	LAA	9						
16A	BICEP II MAGNU	3.20	LAA	9	87	93	99	99	0	92
B	HORNET 85.6WG	0.107	LAA	9						
17A	BICEP II MAGNU	3.20	LAA	9	94	96	99	99	0	95
B	PYTHON 80WG	0.04	LAA	9						
18A	BICEP II MAGNU	3.20	LAA	9	91	80	99	99	0	92
19A	ICIA5676/ZA129	1.97	LAA	9	93	99	99	99	0	92
20A	ICIA5676/ZA129	2.19	LAA	9	99	99	99	99	0	98
21A	TOPNOTCH	2.00	LAA	9	93	99	99	99	0	93
B	ZA1296 4SC	0.094	LAA	12						
C	COC	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						

TITLE: WEED CONTROL SYSTEMS IN CORN

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	ABUTH	AMBTR	CHEAL	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 07/01/99	CON % 07/01/99	CON % 07/01/99	CON % 07/01/99	CON % 07/21/99	CON % 07/19/09
22A	TOPNOTCH	2.00	LAA	9	96	99	99	99	0	99
	B>>ZA1296 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D>>COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
23A	FRONTIER 6.0EC	3.00	LAA	9	98	99	99	99	0	93
	B>>ZA1296 4SC	0.094	LAA	12						
	C>>COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
24A	TOPNOTCH	2.00	LAA	9	93	98	99	99	0	99
	B>>SHOTGUN	1.22	LAA	12						
			LSD (0.05)		7.72	6.73	2.82	1.91	0.00	3.32
			STANDARD DEVIATION		3.86	3.37	1.41	1.00	0.00	1.66

TITLE: WEED CONTROL SYSTEMS IN CORN
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LOCATION: DEKALB **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 29.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	AMBTR	CHEAL	YIELD
		RATE	UNIT		CON % 07/21/99	CON % 07/21/99	CON % 07/21/99	BU/A 10/21/99
1A	DUAL II MAGNUM	1.60	LAA	9	88	99	99	180.5
B	NORTHSTAR 47.4	0.148	LAA	12				
C	COC	1.25	PMV	12				
D	AM. SULFATE	12.50	PMG	12				
2A	DUAL II MAGNUM	1.60	LAA	9	98	99	99	193.3
B	SPIRIT 57WG	0.036	LAA	12				
C	COC	1.25	PMV	12				
D	AM. SULFATE	12.50	PMG	12				
3A	BICEP II MAGNU	3.20	LAA	9	90	99	99	186.8
4A	BICEP TR 4.59L	4.59	LAA	9	99	99	99	170.4
5A	BICEP II MAGNU	3.20	LAA	9	99	99	99	185.4
B	NORTHSTAR 47.4	0.148	LAA	12				
C	COC	1.25	PMV	12				
D	AM. SULFATE	12.50	PMG	12				
6A	CHECK	0.00	NA	0	0	0	0	110.8
7A	HAND WEEDED	0.00	NA	0	99	99	99	189.6
8A	DUAL II MAGNUM	1.60	LAA	9	90	99	99	187.1
B	NORTHSTAR 47.4	0.148	LAA	12				
C	COC	1.25	PMV	12				
D	AM. SULFATE	12.50	PMG	12				
9A	DUAL II MAGNUM	1.60	LAA	9	92	99	90	199.7
B	SPIRIT 57WG	0.036	LAA	12				
C	COC	1.25	PMV	12				
D	AM. SULFATE	12.50	PMG	12				
10A	FRONTIER 6.0EC	1.50	LAA	9	93	99	99	194.9
B	MARKSMAN SC	1.40	LAA	12				
11A	LEADOFF 5SE	0.94	LAA	9	67	99	99	200.7
B	BASIS GOLD 90D	0.79	LAA	12				
C	COC	1.00	PMV	12				
D	28% UAN	2.50	PMV	12				
12A	FULTIME 4SC	3.50	LAA	9	96	99	99	193.0
B	HORNET 85.6WG	0.128	LAA	12				
13A	HARNESS EXTRA	3.64	LAA	9	65	99	99	190.4
14A	FRONTIER 6.0EC	1.50	LAA	9	98	99	96	189.7
B	DISTINCT 70WG	0.26	LAA	12				
C	ACTIVATE PLUS	0.25	PMV	12				
D	28% UAN	2.50	PMV	12				
15A	BALANCE 75WG	0.094	LAA	9	98	99	99	205.5
B	ATRAZINE DF	1.50	LAA	9				
16A	BICEP II MAGNU	3.20	LAA	9	87	99	99	180.0
B	HORNET 85.6WG	0.107	LAA	9				
17A	BICEP II MAGNU	3.20	LAA	9	99	99	99	194.9
B	PYTHON 80WG	0.04	LAA	9				
18A	BICEP II MAGNU	3.20	LAA	9	80	99	99	182.2
19A	ICIA5676/ZA129	1.97	LAA	9	99	99	99	187.2
20A	ICIA5676/ZA129	2.19	LAA	9	99	99	99	192.7
21A	TOPNOTCH	2.00	LAA	9	99	99	99	188.0
B	ZA1296 4SC	0.094	LAA	12				
C	COC	1.00	PMV	12				
D	28% UAN	2.50	PMV	12				

TITLE: WEED CONTROL SYSTEMS IN CORN

TRT NUM	TREATMENT COMPONENT	DOSAGE			ABUTH	AMBTR	CHEAL	YIELD
		RATE	UNIT	TM	CON % 07/21/99	CON % 07/21/99	CON % 07/21/99	BU/A 10/21/99
22A	»TOPNOTCH	2.00	LAA	9	99	99	99	186.6
	B»ZA1296 4SC	0.094	LAA	12				
	C ATRAZINE DF	0.25	LAA	12				
	D»COC	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
23A	»FRONTIER 6.0EC	3.00	LAA	9	99	99	99	184.4
	B»ZA1296 4SC	0.094	LAA	12				
	C»COC	1.00	PMV	12				
	D 28% UAN	2.50	PMV	12				
24A	»TOPNOTCH	2.00	LAA	9	99	99	99	191.6
	B»SHOTGUN	1.22	LAA	12				
		LSD (0.05)			2.58	0.00	0.77	24.24
		STANDARD DEVIATION			1.29	0.00	0.385	12.12

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
09 = ----- / PREEMERGENCE 05/04/1999(1)
12 = ----- / POST 06/15/1999(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 %	06/07/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/07/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	06/07/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMBTR	CON %	06/07/1999	04	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/07/1999	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	07/01/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/01/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	07/01/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMBTR	CON %	07/01/1999	04	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/01/1999	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	07/21/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/19/1909	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	07/21/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMBTR	CON %	07/21/1999	04	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/21/1999	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	10/21/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34G81