

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.3
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE:
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	10	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/28/00	05/10/00	05/31/00	AME
AIR TEMPERATURE	75	74	88	F
% REL.HUMIDITY	30	50	80	
WIND DIRECTION	NORTH	SOUTHWEST	SOUTHWEST	
WIND SPEED	2.0	3.0	3.0	M/H
CLOUD COVER	CLOUDY	PARTCLDY	PARTCLDY	
DEW	---	NO	MOIST	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
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 PIONEER 33G27 04/28/2000		---/11 3.00/3.00	---/14 12.0/12.0	IN
*** PEST *** VELVETLEAF		---/10 0.50/0.50	---/11 1.00/1.00	IN
LAMBSQUARTERS, C		---/10 0.50/0.50	---/13 1.00/1.00	IN
FOXTAIL, GIANT		---/11 0.50/0.50	---/11 1.00/1.00	IN
COCKLEBUR, COMMO		---/10 1.00/1.00	---/11 1.50/1.50	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 10 = ----- / VEPOST
 11 = ----- / EPOST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = FIRST LEAF UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4 LEAVES UNFOLDED

TITLE: CRNSYS1 WEED CONTROL SYSTEMS IN CORN I C-400
CREATED: 04/11/2000 **REVISED:** 07/31/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	CHEAL	XANST	ZEAMD	
		RATE	UNIT		05/18/00	05/18/00	05/18/00	05/18/00	05/18/00	06/12/00	
1A	BICEP II MAGNU	3.58	LAA	9	0	93	92	99	95	0	
2A	BICEP II MAGNU	2.89	LAA	9	0	93	99	99	96	0	
B	ZA1296 4SC	0.188	LAA	9							
3A	GUARDSMAN	3.12	LAA	9	0	98	93	99	96	0	
4A	HARNESS XTRA	3.78	LAA	9	0	93	92	99	93	0	
5A	CHECK	0.00	NA	0	0	0	0	0	0	0	
6A	DEGREE XTRA 4S	3.66	LAA	9	0	98	96	99	95	0	
7A	FULTIME 4SC	3.30	LAA	9	0	99	96	99	98	0	
8A	GUARDSMAN	3.12	LAA	9	0	99	99	99	99	0	
B	BALANCE 75WG	0.047	LAA	9							
9A	GUARDSMAN	3.12	LAA	9	0	98	98	99	99	0	
B	HORNET 68.5WG	0.128	LAA	9							
10A	AXIOM AT 75WG	2.44	LAA	9	0	96	99	99	96	0	
11A	EPIC 58DF	0.54	LAA	9	0	99	99	99	96	0	
12A	HARNESS (7EC)	1.97	LAA	9	0	98	95	99	99	0	
B	HORNET 68.5WG	0.214	LAA	9							
13A	OUTLOOK 6EC	0.84	LAA	10	0	98	99	99	99	0	
B	MARKSMAN SC	1.40	LAA	10							
C	28% UAN	2.50	PMV	10							
14A	GUARDSMAN	3.12	LAA	9	0	96	95	99	96	0	
B	DISTINCT 70WG	0.175	LAA	11							
C	ACTIVATOR 90	0.25	PMV	11							
D	28% UAN	1.25	PMV	11							
15A	BALANCE PRO 4S	0.094	LAA	9	0	87	92	96	93	0	
16A	BALANCE PRO 4S	0.094	LAA	9	0	98	99	99	96	0	
B	ATRAZINE DF	1.25	LAA	9							
17A	EXP31430A 4.3S	1.34	LAA	9	0	93	99	99	98	0	
18A	BALANCE PRO 4S	0.094	LAA	9	0	96	99	99	98	0	
B	ATRAZINE DF	1.25	LAA	9							
C	DUAL II MAGNUM	0.72	LAA	9							
19A	EXP31430A 4.3S	1.34	LAA	9	0	92	99	99	93	0	
B	DUAL II MAGNUM	0.72	LAA	9							
20A	BALANCE PRO 4S	0.094	LAA	9	0	90	99	99	93	0	
B	ATRAZINE DF	1.00	LAA	9							
21A	BALANCE 75WG	0.094	LAA	9	0	95	99	99	95	0	
B	ATRAZINE DF	1.00	LAA	9							
22A	BALANCE PRO 4S	0.094	LAA	9	0	98	99	99	99	0	
B	BICEP II MAGNU	1.38	LAA	9							
23A	BALANCE 75WG	0.094	LAA	9	0	92	99	99	95	0	
B	BICEP II MAGNU	1.38	LAA	9							
24A	BICEP II MAGNU	2.89	LAA	9	0	96	96	99	93	0	
					LSD (0.05)	0.00	5.20	3.64	1.73	5.16	0.00
					STANDARD DEVIATION	0.00	2.60	1.82	0.866	2.58	0.00

TITLE: CRNSYS1 WEED CONTROL SYSTEMS IN CORN I C-400
CREATED: 04/11/2000 **REVISED:** 07/31/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	ABUTH	CHEAL	XANST	ZEAMD	SETFA	
		RATE	UNIT		06/12/00	06/12/00	06/12/00	06/12/00	07/03/00	07/03/00	
1A	BICEP II MAGNU	3.58	LAA	9	98	96	99	95	0	95	
2A	BICEP II MAGNU	2.89	LAA	9	99	99	99	96	0	92	
B	ZA1296 4SC	0.188	LAA	9							
3A	GUARDSMAN	3.12	LAA	9	99	96	99	96	0	96	
4A	HARNESS XTRA	3.78	LAA	9	99	93	99	95	0	93	
5A	CHECK	0.00	NA	0	0	0	0	0	0	0	
6A	DEGREE XTRA 4S	3.66	LAA	9	99	96	99	95	0	93	
7A	FULTIME 4SC	3.30	LAA	9	99	98	99	96	0	95	
8A	GUARDSMAN	3.12	LAA	9	99	99	99	98	0	97	
B	BALANCE 75WG	0.047	LAA	9							
9A	GUARDSMAN	3.12	LAA	9	99	96	99	98	0	98	
B	HORNET 68.5WG	0.128	LAA	9							
10A	AXIOM AT 75WG	2.44	LAA	9	98	96	99	95	0	94	
11A	EPIC 58DF	0.54	LAA	9	99	99	99	96	0	96	
12A	HARNESS (7EC)	1.97	LAA	9	99	98	99	99	0	93	
B	HORNET 68.5WG	0.214	LAA	9							
13A	OUTLOOK 6EC	0.84	LAA	10	99	98	99	95	0	95	
B	MARKSMAN SC	1.40	LAA	10							
C	28% UAN	2.50	PMV	10							
14A	GUARDSMAN	3.12	LAA	9	99	98	99	99	0	96	
B	DISTINCT 70WG	0.175	LAA	11							
C	ACTIVATOR 90	0.25	PMV	11							
D	28% UAN	1.25	PMV	11							
15A	BALANCE PRO 4S	0.094	LAA	9	83	87	88	83	0	77	
16A	BALANCE PRO 4S	0.094	LAA	9	99	99	99	98	0	95	
B	ATRAZINE DF	1.25	LAA	9							
17A	EXP31430A 4.3S	1.34	LAA	9	98	99	99	99	0	94	
18A	BALANCE PRO 4S	0.094	LAA	9	99	99	99	96	0	97	
B	ATRAZINE DF	1.25	LAA	9							
C	DUAL II MAGNUM	0.72	LAA	9							
19A	EXP31430A 4.3S	1.34	LAA	9	98	98	99	96	0	90	
B	DUAL II MAGNUM	0.72	LAA	9							
20A	BALANCE PRO 4S	0.094	LAA	9	95	99	99	95	0	90	
B	ATRAZINE DF	1.00	LAA	9							
21A	BALANCE 75WG	0.094	LAA	9	95	98	99	98	0	90	
B	ATRAZINE DF	1.00	LAA	9							
22A	BALANCE PRO 4S	0.094	LAA	9	99	99	99	95	0	96	
B	BICEP II MAGNU	1.38	LAA	9							
23A	BALANCE 75WG	0.094	LAA	9	98	99	99	95	0	93	
B	BICEP II MAGNU	1.38	LAA	9							
24A	BICEP II MAGNU	2.89	LAA	9	98	93	99	95	0	92	
					LSD (0.05)	2.00	3.38	1.00	3.09	0.00	4.45
					STANDARD DEVIATION	1.00	1.69	0.481	1.55	0.00	2.22

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LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH 07/03/00	CHEAL 07/03/00	XANST 07/03/00
		RATE	UNIT				
1A	BICEP II MAGNU	3.58	LAA 9	95	99	91	
2A	BICEP II MAGNU	2.89	LAA 9	99	99	96	
B	ZA1296 4SC	0.188	LAA 9				
3A	GUARDSMAN	3.12	LAA 9	94	99	92	
4A	HARNESS XTRA	3.78	LAA 9	95	99	92	
5A	CHECK	0.00	NA 0	0	0	0	
6A	DEGREE XTRA 4S	3.66	LAA 9	95	99	95	
7A	FULTIME 4SC	3.30	LAA 9	96	99	96	
8A	GUARDSMAN	3.12	LAA 9	99	99	98	
B	BALANCE 75WG	0.047	LAA 9				
9A	GUARDSMAN	3.12	LAA 9	96	99	98	
B	HORNET 68.5WG	0.128	LAA 9				
10A	AXIOM AT 75WG	2.44	LAA 9	96	99	96	
11A	EPIC 58DF	0.54	LAA 9	98	99	98	
12A	HARNESS (7EC)	1.97	LAA 9	98	99	99	
B	HORNET 68.5WG	0.214	LAA 9				
13A	OUTLOOK 6EC	0.84	LAA 10	98	99	95	
B	MARKSMAN SC	1.40	LAA 10				
C	28% UAN	2.50	PMV 10				
14A	GUARDSMAN	3.12	LAA 9	98	99	99	
B	DISTINCT 70WG	0.175	LAA 11				
C	ACTIVATOR 90	0.25	PMV 11				
D	28% UAN	1.25	PMV 11				
15A	BALANCE PRO 4S	0.094	LAA 9	92	82	80	
16A	BALANCE PRO 4S	0.094	LAA 9	99	99	99	
B	ATRAZINE DF	1.25	LAA 9				
17A	EXP31430A 4.3S	1.34	LAA 9	99	99	99	
18A	BALANCE PRO 4S	0.094	LAA 9	99	99	96	
B	ATRAZINE DF	1.25	LAA 9				
C	DUAL II MAGNUM	0.72	LAA 9				
19A	EXP31430A 4.3S	1.34	LAA 9	98	99	96	
B	DUAL II MAGNUM	0.72	LAA 9				
20A	BALANCE PRO 4S	0.094	LAA 9	99	99	95	
B	ATRAZINE DF	1.00	LAA 9				
21A	BALANCE 75WG	0.094	LAA 9	98	99	98	
B	ATRAZINE DF	1.00	LAA 9				
22A	BALANCE PRO 4S	0.094	LAA 9	99	99	95	
B	BICEP II MAGNU	1.38	LAA 9				
23A	BALANCE 75WG	0.094	LAA 9	99	99	93	
B	BICEP II MAGNU	1.38	LAA 9				
24A	BICEP II MAGNU	2.89	LAA 9	92	99	93	
		LSD (0.05)		4.74	2.55	5.39	
		STANDARD DEVIATION		2.37	1.27	2.69	

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/28/2000(1)
 10 = ----- / VEPOST 05/10/2000(2)
 11 = ----- / EPOST 05/31/2000(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		05/18/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA		05/18/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH		05/18/2000	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL		05/18/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	XANST		05/18/2000	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD		06/12/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA		06/12/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH		06/12/2000	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL		06/12/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	XANST		06/12/2000	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD		07/03/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA		07/03/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH		07/03/2000	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	CHEAL		07/03/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	XANST		07/03/2000	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G27