

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE:
PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
REPS: 4

APPL. NUMBER	01	02	03	04	05	06	UNIT
TIMINGS	09	10	11	12	13	14	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/03/99	05/27/99	06/02/99	06/04/99	06/08/99	06/11/99	AME
AIR TEMPERATURE	75	70	72	79	93	89	F
% REL.HUMIDITY	45	43	73	61	29	50	
WIND DIRECTION	SOUTH	SOUTHEAST	WEST	SOUTH	WEST	SOUTHWEST	
WIND SPEED	5.0	3.0	10.0	9.0	2.0	4.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	CLOUDY	PARTCLDY	PARTCLDY	PARTCLDY	
DEW	---	NO	NO	NO	NO	NO	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	MOIST/WET	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	WATER	
INC. DATE							AME
INC. START							24H
INC. END							24H
INC. DEPTH							IN
INC. EQUIPMENT							
DENSITY /							
*** CROP ***							
CORN, DENT		---/12	---/14	---/15	---/16	---/17	
DEKALB 589RR		4.00/5.00	12.0/12.0	14.0/14.0	22.0/24.0	26.0/28.0	IN
05/03/1999							
*** PEST ***							
VELVETLEAF		---/11	---/13	---/14	---/17	---/19	
		1.00/2.00	3.00/5.00	5.00/8.00	9.00/10.0	10.0/14.0	IN
WATERHEMP, COMMO		---/11	---/14	---/17	---/19	---/19	
		0.50/1.00	1.00/4.00	2.00/6.00	6.00/10.0	8.00/16.0	IN
LAMBSQUARTERS, C		---/11	---/14	---/16	---/19	---/19	
		0.50/1.00	1.00/2.00	2.00/4.00	6.00/8.00	6.00/10.0	IN
SMARTWEED, PENNS		---/12	---/15	---/17	---/19	---/19	
		1.00/2.00	2.00/4.00	4.00/8.00	6.00/9.00	8.00/10.0	IN
FOXTAIL, GIANT		---/12	---/13	---/14	---/15	---/16	
		1.00/2.00	4.00/6.00	6.00/8.00	8.00/12.0	12.0/16.0	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
10 = ----- / VEPOST
11 = ----- / EPOST
12 = ----- / POST
13 = ----- / LPOST
14 = ----- / VLPOST

* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2 LEAVES UNFOLDED
13 = 3 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

AS-400

COMPLETED: N

PROJECT TYPE: HERBICIDE

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

REPS: 04

	TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD CON % TM 06/21/99	SETFA CON % 06/21/99	ABUTH CON % 06/21/99	AMATA CON % 06/21/99	CHEAL CON % 06/21/99	POLPY CON % 06/21/99
		RATE	UNIT								
	1A	ROUNDUP ULTRA	0.56	LAA	10	0	73	84	70	83	90
	B AM.	SULFATE	8.50	PMG	10						
	C»RE-INFEST		0.00	NA	0						
	2A	ROUNDUP ULTRA	0.56	LAA	11	1	89	91	85	91	91
	B AM.	SULFATE	8.50	PMG	11						
	C»RE-INFEST		0.00	NA	0						
	3A	ROUNDUP ULTRA	0.75	LAA	12	9	91	84	80	90	81
	B AM.	SULFATE	8.50	PMG	12						
	C»RE-INFEST		0.00	NA	0						
	4A	ROUNDUP ULTRA	0.75	LAA	13	20	96	94	97	96	94
	B AM.	SULFATE	8.50	PMG	13						
	C»RE-INFEST		0.00	NA	0						
	5A	ROUNDUP ULTRA	0.75	LAA	14	24	96	93	96	96	89
	B AM.	SULFATE	8.50	PMG	14						
	C»RE-INFEST		0.00	NA	0						
	6A	ROUNDUP ULTRA	0.56	LAA	10	0	86	88	84	89	93
	B AM.	SULFATE	8.50	PMG	10						
	C ROUNDUP ULTRA		0.38	LAA	12						
	D AM.	SULFATE	8.50	PMG	12						
	E»WEED FREE		0.00	NA	0						
	7A	ROUNDUP ULTRA	0.56	LAA	11	8	98	97	99	99	97
	B AM.	SULFATE	8.50	PMG	11						
	C ROUNDUP ULTRA		0.38	LAA	13						
	D AM.	SULFATE	8.50	PMG	13						
	E»WEED FREE		0.00	NA	0						
	8A	ROUNDUP ULTRA	0.75	LAA	12	11	97	94	97	97	93
	B AM.	SULFATE	8.50	PMG	12						
	C ROUNDUP ULTRA		0.38	LAA	14						
	D AM.	SULFATE	8.50	PMG	14						
	E»WEED FREE		0.00	NA	0						
	9A	HARNESSE XTRA	4.20	LAA	9	0	99	99	99	99	99
	B ROUNDUP ULTRA		0.38	LAA	13						
	C AM.	SULFATE	8.50	PMG	13						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0	0
					LS D (0.05)	5.21	3.64	4.07	2.91	2.69	6.25
					STANDARD DEVIATION	2.54	1.77	2.00	1.42	1.31	3.00

TITLE: CRRCOMP WEED COMPETITION IN RREADY CORN AS-400
CREATED: 04/12/1999 **REVISED:** 09/30/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 04

TRT	TREATMENT	DOSAGE	UNIT	TM	YIELD
					BU/A
NUM	COMPONENT	RATE			09/23/99
1A	ROUNDUP ULTRA	0.56	LAA	10	202.3
	B AM. SULFATE	8.50	PMG	10	
	C»RE-INFEST	0.00	NA	0	
2A	ROUNDUP ULTRA	0.56	LAA	11	206.4
	B AM. SULFATE	8.50	PMG	11	
	C»RE-INFEST	0.00	NA	0	
3A	ROUNDUP ULTRA	0.75	LAA	12	189.8
	B AM. SULFATE	8.50	PMG	12	
	C»RE-INFEST	0.00	NA	0	
4A	ROUNDUP ULTRA	0.75	LAA	13	185.3
	B AM. SULFATE	8.50	PMG	13	
	C»RE-INFEST	0.00	NA	0	
5A	ROUNDUP ULTRA	0.75	LAA	14	169.4
	B AM. SULFATE	8.50	PMG	14	
	C»RE-INFEST	0.00	NA	0	
6A	ROUNDUP ULTRA	0.56	LAA	10	217.6
	B AM. SULFATE	8.50	PMG	10	
	C ROUNDUP ULTRA	0.38	LAA	12	
	D AM. SULFATE	8.50	PMG	12	
	E»WEED FREE	0.00	NA	0	
7A	ROUNDUP ULTRA	0.56	LAA	11	202.0
	B AM. SULFATE	8.50	PMG	11	
	C ROUNDUP ULTRA	0.38	LAA	13	
	D AM. SULFATE	8.50	PMG	13	
	E»WEED FREE	0.00	NA	0	
8A	ROUNDUP ULTRA	0.75	LAA	12	196.9
	B AM. SULFATE	8.50	PMG	12	
	C ROUNDUP ULTRA	0.38	LAA	14	
	D AM. SULFATE	8.50	PMG	14	
	E»WEED FREE	0.00	NA	0	
9A	HARNESS XTRA	4.20	LAA	9	214.7
	B ROUNDUP ULTRA	0.38	LAA	13	
	C AM. SULFATE	8.50	PMG	13	
10A	CHECK	0.00	NA	0	94.2
		LSD (0.05)			21.22
		STANDARD DEVIATION			10.34

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/03/1999(1)
 10 = ----- / VEPOST 05/27/1999(2)
 11 = ----- / EPOST 06/02/1999(3)
 12 = ----- / POST 06/04/1999(4)
 13 = ----- / LPOST 06/08/1999(5)
 14 = ----- / VLPOST 06/11/1999(6)

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	SETFA	CON %	06/21/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	06/21/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/21/1999	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/21/1999	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY	CON %	06/21/1999	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: CRRCOMP WEED COMPETITION IN RREADY CORN AS-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
007	YIELD	BU/A	09/23/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 589RR