

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.8
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE:
 PLOT WIDTH: 10 X 36 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	05/01/99	05/18/99	05/28/99	06/07/99	06/11/99	06/16/99	AME
AIR TEMPERATURE	68	74	79	85	85	65	F
% REL.HUMIDITY	43	60	53	65	77	50	
WIND DIRECTION	EAST	WEST	WEST	SOUTHWEST	SOUTH	EAST	
WIND SPEED	5.0	7.0	3.0	7.0	2.0	5.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	CLEAR	CLEAR	OVERCAST	CLOUDY	
DEW	---	NO	NO	NO	NO	NO	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	MOIST/MOI	MOIST/MOI	MOIST/MOI	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	32.00	32.00	32.00	32.00	32.00	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		---/11	---/13	---/15	---/16	---/19	
DEKALB 589RR		4.00/4.00	8.00/8.00	16.0/16.0	20.0/20.0	30.0/30.0	IN
04/30/1999							
*** PEST ***							
LAMBSQUARTERS, C		---/12	---/15	---/18	---/19	---/19	
MORNINGGLORY, TA		1.00/1.00	1.00/2.00	2.00/4.00	4.00/6.00	6.00/8.00	IN
SMARTWEED, PENNS		---/10	---/12	---/15	---/18	---/19	
FOXTAIL, GIANT		0.50/0.50	1.00/1.00	1.00/3.00	2.00/4.00	6.00/8.00	IN
		---/12	---/14	---/17	---/19	---/19	
		1.00/1.00	1.00/2.00	2.00/4.00	3.00/5.00	4.00/8.00	IN
		---/12	---/13	---/14	---/15	---/16	
		1.00/1.00	2.00/3.00	3.00/6.00	4.00/8.00	5.00/10.0	IN

* TIMING CODES

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

* STAGE CODE

- 10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
- 11 = FIRST LEAF UNFOLDED
- 12 = 2 LEAVES UNFOLDED
- 13 = 3 LEAVES UNFOLDED
- 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 16 = 6 LEAVES 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: CRRMULTI WEED COMPETITION IN RREADY CORN - MULTI ST. C-500
CREATED: 04/14/1999 **REVISED:** 11/02/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 36.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	PHBPU	ZEAMD
		RATE	UNIT		CON % 06/25/99	CON % 06/25/99	CON % 06/25/99	CON % 06/25/99	CON % 06/25/99	CON % 07/15/99
1A	ROUNDUP ULTRA	0.75	LAA	10	0	90	93	87	76	0
	B AM. SULFATE	8.50	PMG	10						
	C»RE-INFEST	0.00	NA	0						
2A	ROUNDUP ULTRA	0.75	LAA	11	0	95	98	99	90	0
	B AM. SULFATE	8.50	PMG	11						
	C»RE-INFEST	0.00	NA	0						
3A	ROUNDUP ULTRA	0.75	LAA	12	0	99	99	99	93	0
	B AM. SULFATE	8.50	PMG	12						
	C»RE-INFEST	0.00	NA	0						
4A	ROUNDUP ULTRA	0.75	LAA	13	0	99	99	99	96	0
	B AM. SULFATE	8.50	PMG	13						
	C»RE-INFEST	0.00	NA	0						
5A	ROUNDUP ULTRA	0.75	LAA	14	8	99	99	99	92	0
	B AM. SULFATE	8.50	PMG	14						
	C»RE-INFEST	0.00	NA	0						
6A	ROUNDUP ULTRA	0.75	LAA	10	0	90	99	99	88	0
	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	0.75	LAA	11	0	99	99	99	96	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	0	99	99	99	98	0
	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	HARNESX XTRA	3.64	LAA	9	0	99	99	99	90	0
	B ROUNDUP ULTRA	0.38	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
	D»WEED FREE	0.00	NA	0						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
		LSD (0.05)			1.32	2.84	1.81	2.55	3.95	0.00
		STANDARD DEVIATION			0.646	1.38	0.884	1.24	1.92	0.00

TITLE: CRRMULTI WEED COMPETITION IN RREADY CORN - MULTI ST. C-500
CREATED: 04/14/1999 **REVISED:** 11/02/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 36.00 FT LONG **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	CHEAL	POLPY	PHBPU	YIELD	
		RATE	UNIT		CON % 07/15/99	CON % 07/15/99	CON % 07/15/99	CON % 07/15/99	BU/A 09/20/99	
1A	ROUNDUP ULTRA	0.75	LAA	10	81	84	79	60	178.7	
	B AM. SULFATE	8.50	PMG	10						
	C»RE-INFEST	0.00	NA	0						
2A	ROUNDUP ULTRA	0.75	LAA	11	90	96	98	79	199.6	
	B AM. SULFATE	8.50	PMG	11						
	C»RE-INFEST	0.00	NA	0						
3A	ROUNDUP ULTRA	0.75	LAA	12	97	99	99	88	187.5	
	B AM. SULFATE	8.50	PMG	12						
	C»RE-INFEST	0.00	NA	0						
4A	ROUNDUP ULTRA	0.75	LAA	13	99	99	99	92	185.1	
	B AM. SULFATE	8.50	PMG	13						
	C»RE-INFEST	0.00	NA	0						
5A	ROUNDUP ULTRA	0.75	LAA	14	99	99	99	93	166.1	
	B AM. SULFATE	8.50	PMG	14						
	C»RE-INFEST	0.00	NA	0						
6A	ROUNDUP ULTRA	0.75	LAA	10	99	99	99	99	191.6	
	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	0.75	LAA	11	99	99	99	99	197.0	
	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	99	99	99	99	182.8	
	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	HARNES XTRA	3.64	LAA	9	99	99	99	99	182.8	
	B ROUNDUP ULTRA	0.38	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
	D»WEED FREE	0.00	NA	0						
10A	CHECK	0.00	NA	0	0	0	0	0	122.6	
					LS D (0.05)	3.43	2.57	4.86	5.80	15.37
					STANDARD DEVIATION	1.67	1.25	2.37	2.82	7.49

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/01/1999(1)
- 10 = ----- / VEPOST 05/18/1999(2)
- 11 = ----- / EPOST 05/28/1999(3)
- 12 = ----- / POST 06/07/1999(4)
- 13 = ----- / LPOST 06/11/1999(5)
- 14 = ----- / VLPOST 06/16/1999(6)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	06/25/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/25/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/25/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	06/25/1999	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/25/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: CRRMULTI WEED COMPETITION IN RREADY CORN - MULTI ST. C-500

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
006	ZEAMD	CON %	07/15/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/15/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	07/15/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	POLPY	CON %	07/15/1999	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/15/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	YIELD	BU/A	09/20/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 589RR