

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: 6

APPL. NUMBER	01	02	03	04	05	06	UNIT
TIMINGS	04	05	10	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	03/24/99	04/07/99	05/18/99	06/01/99	06/04/99	06/11/99	AME
AIR TEMPERATURE	52	67	74	82	79	84	F
% REL.HUMIDITY	25	51	53	51	61	65	
WIND DIRECTION	NORTH	SOUTH	SOUTHWEST	SOUTH	SOUTH	SOUTH	
WIND SPEED	5.0	10.0	8.0	15.0	12.0	3.0	M/H
CLOUD COVER	CLEAR	CLEAR	PARTCLDY	CLOUDY	PARTCLDY	CLEAR	
DEW	---	---	NO	NO	NO	NO	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	MOIST/MOI	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	32.00	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			---/12	---/14	---/16	---/18	
DEKALB 589RR			4.00/4.00	12.0/12.0	15.0/15.0	28.0/28.0	IN
04/30/1999							
*** PEST ***							
VELVETLEAF			---/10	---/12	---/15	---/18	
LAMBSQUARTERS, C			0.50/1.00	1.00/2.00	4.00/6.00	8.00/12.0	IN
MORNINGGLORY, IV			---/11	---/13	---/16	---/19	
SMARTWEED, PENNS			0.50/0.50	1.00/1.00	1.00/2.00	2.00/3.00	IN
FOXTAIL, GIANT			---/11	---/14	---/17	---/19	
			1.00/1.00	1.00/2.00	4.00/6.00	6.00/12.0	IN
			---/13	---/16	---/18	---/19	
			1.00/1.00	2.00/6.00	4.00/8.00	10.0/12.0	IN
			---/12	---/13	---/14	---/15	
			1.00/1.00	1.00/4.00	2.00/6.00	8.00/12.0	IN

* TIMING CODES

04 = ----- / EPP 30DBP
 05 = ----- / EPP 15DBP
 10 = ----- / VEPOST
 11 = ----- / EPOST
 12 = ----- / POST
 13 = ----- / LPOST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
 12 = 2 LEAVES UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS 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
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: EPPRCRN WEED MANAGEMENT IN ROUNDUP-READY CORN C-500
CREATED: 03/23/1999 **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:** 06

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	IPOHE	ABUTH	POLPY	CHEAL
		RATE	UNIT		CON % 06/22/99	CON % 06/22/99	CON % 06/22/99	CON % 06/22/99	CON % 06/22/99	CON % 06/22/99
1A»	DUAL II MAGNUM	1.60	LAA	4	2	99	84	97	93	99
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
2A	HARNESS (7EC)	2.00	LAA	4	1	95	83	95	90	98
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
3A»	BICEP LITE II	2.45	LAA	4	1	98	88	97	93	98
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
4A»	HARNESS EXTRA	3.50	LAA	4	0	98	86	97	98	99
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
5A»	FRONTIER 6.0EC	1.50	LAA	4	1	88	88	92	96	98
	B MARKSMAN SC	1.40	LAA	10						
	C 28% UAN	2.00	PMV	10						
6A»	BALANCE 75WG	0.094	LAA	5	0	98	84	96	94	98
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
7A»	BICEP LITE II	2.45	LAA	4	2	86	84	93	96	99
	B»SPIRIT 57WG	0.036	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
8A	ROUNDUP ULTRA	0.56	LAA	11	0	96	74	92	76	95
	B»BICEP LITE II	1.23	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
9A	ROUNDUP ULTRA	0.56	LAA	11	3	95	75	96	73	97
	B»HARNESS EXTRA	1.75	LAA	11						
	C AM. SULFATE	8.50	PMG	11						
10A»	HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
11A	CHECK	0.00	NA	0	0	0	0	0	0	0
12A	GUARDSMAN 5SE	0.94	LAA	5	2	72	78	79	69	95
	B»BASIS GOLD 90D	0.78	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.00	PMV	11						
13A	ROUNDUP ULTRA	0.75	LAA	11	2	65	68	76	78	73
	B AM. SULFATE	8.50	PMG	11						
14A	ROUNDUP ULTRA	0.75	LAA	12	8	98	88	95	88	96
	B AM. SULFATE	8.50	PMG	12						
15A	ROUNDUP ULTRA	0.75	LAA	13	12	97	88	97	92	96
	B AM. SULFATE	8.50	PMG	13						
16A	ROUNDUP ULTRA	0.56	LAA	11	0	99	84	98	84	96
	B AM. SULFATE	8.50	PMG	11						
	C ROUNDUP ULTRA	0.56	LAA	13						
	D AM. SULFATE	8.50	PMG	13						
		LSD (0.05)			3.86	3.14	6.71	3.93	6.65	2.26
		STANDARD DEVIATION			2.00	1.59	3.39	2.00	3.36	1.14

TITLE: EPPRRCRN WEED MANAGEMENT IN ROUNDUP-READY CORN C-500
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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:** 06

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 09/20/99
		RATE	UNIT TM	
1A	DUAL II MAGNUM	1.60	LAA 4	182.3
	B ROUNDUP ULTRA	0.56	LAA 12	
	C AM. SULFATE	8.50	PMG 12	
2A	HARNESS (7EC)	2.00	LAA 4	180.7
	B ROUNDUP ULTRA	0.56	LAA 12	
	C AM. SULFATE	8.50	PMG 12	
3A	BICEP LITE II	2.45	LAA 4	188.2
	B ROUNDUP ULTRA	0.56	LAA 12	
	C AM. SULFATE	8.50	PMG 12	
4A	HARNESS EXTRA	3.50	LAA 4	186.8
	B ROUNDUP ULTRA	0.56	LAA 12	
	C AM. SULFATE	8.50	PMG 12	
5A	FRONTIER 6.0EC	1.50	LAA 4	190.3
	B MARKSMAN SC	1.40	LAA 10	
	C 28% UAN	2.00	PMV 10	
6A	BALANCE 75WG	0.094	LAA 5	190.4
	B ROUNDUP ULTRA	0.56	LAA 12	
	C AM. SULFATE	8.50	PMG 12	
7A	BICEP LITE II	2.45	LAA 4	180.7
	B SPIRIT 57WG	0.036	LAA 11	
	C COC	1.00	PMV 11	
	D 28% UAN	2.00	PMV 11	
8A	ROUNDUP ULTRA	0.56	LAA 11	192.0
	B BICEP LITE II	1.23	LAA 11	
	C AM. SULFATE	8.50	PMG 11	
9A	ROUNDUP ULTRA	0.56	LAA 11	174.6
	B HARNESS EXTRA	1.75	LAA 11	
	C AM. SULFATE	8.50	PMG 11	
10A	HAND WEEDED	0.00	NA 0	191.2
11A	CHECK	0.00	NA 0	152.6
12A	GUARDSMAN 5SE	0.94	LAA 5	184.3
	B BASIS GOLD 90D	0.78	LAA 11	
	C COC	1.00	PMV 11	
	D 28% UAN	2.00	PMV 11	
13A	ROUNDUP ULTRA	0.75	LAA 11	191.5
	B AM. SULFATE	8.50	PMG 11	
14A	ROUNDUP ULTRA	0.75	LAA 12	185.2
	B AM. SULFATE	8.50	PMG 12	
15A	ROUNDUP ULTRA	0.75	LAA 13	174.9
	B AM. SULFATE	8.50	PMG 13	
16A	ROUNDUP ULTRA	0.56	LAA 11	180.7
	B AM. SULFATE	8.50	PMG 11	
	C ROUNDUP ULTRA	0.56	LAA 13	
	D AM. SULFATE	8.50	PMG 13	
		LSD (0.05)		13.48
		STANDARD DEVIATION		6.81

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

04 = ----- / EPP 30DBP 03/24/1999 (1)

* TIMING CODES

05 = ----- / EPP 15DBP 04/07/1999(2)
 10 = ----- / VEPOST 05/18/1999(3)
 11 = ----- / EPOST 06/01/1999(4)
 12 = ----- / POST 06/04/1999(5)
 13 = ----- / LPOST 06/11/1999(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 %	06/22/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/22/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	IPOHE	CON %	06/22/1999	03	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/22/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/22/1999	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	CHEAL	CON %	06/22/1999	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	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