

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.8
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	13	
TYPE	LIQMIX	
APPLICATION DATE	06/19/04	AME
AIR TEMPERATURE	61	F
% REL.HUMIDITY	45	
WIND DIRECTION	NORTH	
WIND SPEED	6.0	M/H
CLOUD COVER	CLEAR	
DEW	YES	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	10.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/19	
DEKALB 60-19RR	30.0/42.0	IN
05/04/2004		
*** PEST ***		
WATERHEMP, COMMO	---/19	
	6.00/18.0	IN
RAGWEED, COMMON	---/18	
	6.00/18.0	IN
LAMBSQUARTERS, C	---/19	
	6.00/20.0	IN
MORNINGGLORY, TA	---/19	
	4.00/10.0	IN
SMARTWEED, PENNS	---/19	
	6.00/14.0	IN
FOXTAIL, GIANT	---/15	
	6.00/18.0	IN

* TIMING CODES
 13 = ----- / LPOST

* STAGE CODE
 15 = 5 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = 9 OR MORE LEAVES UNFOLDED

TITLE: Cool Weather Lambsquarter Control in Roundup-Ready Corn. C-500
CREATED: 04/09/2004 **REVISED:** 08/24/2004 **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	AMATA	CHEAL	POLPY	AMBEL
		RATE	UNIT		CON % 06/29/04	CON % 06/29/04	CON % 06/29/04	CON % 06/29/04	CON % 06/29/04	CON % 06/29/04
1A»	WEATHERMAX 4.5	0.56	LAA 13		0	92	90	87	79	83
B»	LIQUID AMS	5.00	PMV 13							
2A»	WEATHERMAX 4.5	0.56	LAA 13		0	88	80	78	72	77
3A»	WEATHERMAX 4.5	1.12	LAA 13		0	96	98	95	90	91
B»	LIQUID AMS	5.00	PMV 13							
4A»	RDUP ORIG MAX	0.56	LAA 13		0	91	87	84	82	81
B»	ACTIVATOR 90	0.25	PMV 13							
C»	LIQUID AMS	5.00	PMV 13							
5A»	TOUCHDN IQ 3AE	0.56	LAA 13		0	92	88	86	82	83
B»	LIQUID AMS	5.00	PMV 13							
6A»	TOUCHDN TOTAL	0.56	LAA 13		0	63	93	77	86	76
B»	LIQUID AMS	5.00	PMV 13							
7A»	CLEAROUT 41 PL	0.56	LAA 13		0	91	92	87	83	84
B»	LIQUID AMS	5.00	PMV 13							
8A»	GLYPHOMAX PLUS	0.56	LAA 13		0	91	83	81	78	79
B»	LIQUID AMS	5.00	PMV 13							
9A»	GLYSTAR PLUS 3	0.56	LAA 13		0	88	84	80	77	79
B»	LIQUID AMS	5.00	PMV 13							
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	WEATHERMAX 4.5	0.56	LAA 13		0	91	91	91	88	85
B»	HARMONY GT 75W	0.0025	LAA 13							
12A»	CALLISTO 4SC	0.05	LAA 13		0	0	78	63	75	75
B	ATRAZINE DF	0.50	LAA 13							
C»	COC	1.00	PMV 13							
D»	LIQUID AMS	5.00	PMV 13							
		LSD (0.05)			0.00	24.77	6.66	9.43	4.74	7.77
		STANDARD DEVIATION			0.00	11.94	3.21	4.55	2.28	3.74

TITLE: Cool Weather Lambsquarter Control in Roundup-Ready Corn. C-500
CREATED: 04/09/2004 **REVISED:** 08/24/2004 **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	PHBPU	ZEAMD	SETFA	AMATA	CHEAL	POLPY
		RATE	UNIT		CON % 06/29/04	CON % 07/09/04	CON % 07/09/04	CON % 07/09/04	CON % 07/09/04	CON % 07/09/04
1A	WEATHERMAX 4.5	0.56	LAA 13		70	0	99	97	91	88
B	LIQUID AMS	5.00	PMV 13							
2A	WEATHERMAX 4.5	0.56	LAA 13		67	0	96	93	84	82
3A	WEATHERMAX 4.5	1.12	LAA 13		84	0	99	99	97	95
B	LIQUID AMS	5.00	PMV 13							
4A	RDUP ORIG MAX	0.56	LAA 13		73	0	98	91	88	85
B	ACTIVATOR 90	0.25	PMV 13							
C	LIQUID AMS	5.00	PMV 13							
5A	TOUCHDN IQ 3AE	0.56	LAA 13		73	0	98	88	85	87
B	LIQUID AMS	5.00	PMV 13							
6A	TOUCHDN TOTAL	0.56	LAA 13		81	0	98	94	90	87
B	LIQUID AMS	5.00	PMV 13							
7A	CLEAROUT 41 PL	0.56	LAA 13		73	0	98	91	88	88
B	LIQUID AMS	5.00	PMV 13							
8A	GLYPHOMAX PLUS	0.56	LAA 13		73	0	97	86	84	83
B	LIQUID AMS	5.00	PMV 13							
9A	GLYSTAR PLUS 3	0.56	LAA 13		68	0	96	81	81	75
B	LIQUID AMS	5.00	PMV 13							
10A	CHECK	0.00	NA 0		0	0	0	0	0	0
11A	WEATHERMAX 4.5	0.56	LAA 13		81	0	96	88	93	92
B	HARMONY GT 75W	0.0025	LAA 13							
12A	CALLISTO 4SC	0.05	LAA 13		84	0	0	94	76	85
B	ATRAZINE DF	0.50	LAA 13							
C	COC	1.00	PMV 13							
D	LIQUID AMS	5.00	PMV 13							
			LSD (0.05)		6.52	0.00	2.08	3.00	4.33	4.79
			STANDARD DEVIATION		3.15	0.00	1.00	1.46	2.09	2.31

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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	TREATMENT	DOSAGE	AMBEL	PHBPU
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	07/09/04	07/09/04
1A	WEATHERMAX 4.5	0.56	LAA 13	92
B	LIQUID AMS	5.00	PMV 13	86
2A	WEATHERMAX 4.5	0.56	LAA 13	84
3A	WEATHERMAX 4.5	1.12	LAA 13	98
B	LIQUID AMS	5.00	PMV 13	90
4A	RDUP ORIG MAX	0.56	LAA 13	89
B	ACTIVATOR 90	0.25	PMV 13	83
C	LIQUID AMS	5.00	PMV 13	
5A	TOUCHDN IQ 3AE	0.56	LAA 13	91
B	LIQUID AMS	5.00	PMV 13	84
6A	TOUCHDN TOTAL	0.56	LAA 13	92
B	LIQUID AMS	5.00	PMV 13	86
7A	CLEAROUT 41 PL	0.56	LAA 13	92
B	LIQUID AMS	5.00	PMV 13	84
8A	GLYPHOMAX PLUS	0.56	LAA 13	86
B	LIQUID AMS	5.00	PMV 13	80
9A	GLYSTAR PLUS 3	0.56	LAA 13	83
B	LIQUID AMS	5.00	PMV 13	72
10A	CHECK	0.00	NA 0	0
11A	WEATHERMAX 4.5	0.56	LAA 13	91
B	HARMONY GT 75W	0.0025	LAA 13	86
12A	CALLISTO 4SC	0.05	LAA 13	89
B	ATRAZINE DF	0.50	LAA 13	90
C	COC	1.00	PMV 13	
D	LIQUID AMS	5.00	PMV 13	
LSD (0.05)			4.57	3.56
STANDARD DEVIATION			2.20	1.72

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 13 = ----- / LPOST 06/19/2004(1)

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 %	06/29/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/29/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/29/2004	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/29/2004	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/29/2004	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMBEL	CON %	06/29/2004	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/29/2004	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	07/09/2004	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/09/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/09/2004	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	07/09/2004	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	CON %	07/09/2004	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBEL	CON %	07/09/2004	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	07/09/2004	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 60-19RR