

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.8  
 %OM: 5.9  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 32 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/26/00	06/19/00	06/23/00	06/27/00	AME
AIR TEMPERATURE	72	80	85	68	F
% REL.HUMIDITY	75	85	70	75	
WIND DIRECTION	---	---	SOUTH	NORTHWEST	
WIND SPEED	0.0	0.0	2.0	2.0	M/H
CLOUD COVER	CLOUDY	CLEAR	CLEAR	CLEAR	
DEW	---	MOIST	NO	MOIST	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT		---	---	---	
DENSITY /					
*** CROP ***					
SOYBEAN		---/12	---/13	---/14	
LT2874LL		5.00/5.00	6.00/6.00	8.00/8.00	IN
05/26/2000					
*** PEST ***					
PIGWEEED, SMOOTH		---/16	---/18	---/19	
		2.00/2.00	3.00/3.00	5.00/5.00	IN
LAMBSQUARTERS, C		---/16	---/18	---/19	
		2.00/2.00	3.00/3.00	5.00/5.00	IN
MORNINGGLORY, TA		---/12	---/15	---/17	
		1.00/1.00	2.00/2.00	4.00/4.00	IN
SMARTWEED, PENNS		---/15	---/18	---/19	
		2.00/2.00	3.00/3.00	4.00/4.00	IN
FOXTAIL, GIANT		---/11	---/12	---/13	
		2.00/2.00	4.00/4.00	5.00/5.00	IN

\* TIMING CODES

09 = ----- / PREEMERGENCE  
 11 = ----- / EPOST  
 12 = ----- / POST  
 13 = ----- / LPOST

\* STAGE CODE

11 = FIRST LEAF UNFOLDED  
 12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE  
 13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES  
 14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES  
 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:** ULLSOY WEED CONTROL IN LLSOY M-17E  
**CREATED:** 04/19/2000 **REVISED:** 08/09/2000 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 32.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	POLPY	AMACH	PHBPU
		RATE	UNIT		06/30/00	06/30/00	06/30/00	06/30/00	06/30/00	06/30/00
1A	LIBERTY	0.36	LAA	12	0	99	89	95	96	86
	B AM. SULFATE	15.00	PMG	12						
2A	LIBERTY	0.44	LAA	12	0	99	94	98	98	93
	B AM. SULFATE	15.00	PMG	12						
3A	CHECK	0.00	NA	0	0	0	0	0	0	0
4A	LIBERTY	0.26	LAA	11	0	99	99	99	99	99
	B AM. SULFATE	15.00	PMG	11						
	C LIBERTY	0.26	LAA	13						
	D AM. SULFATE	15.00	PMG	13						
5A	PURSUIT DG (70	0.031	LAA	12	0	98	91	97	98	93
	B LIBERTY	0.31	LAA	12						
	C AM. SULFATE	15.00	PMG	12						
6A	CANOPY XL 56.3	0.12	LAA	0	0	96	99	99	99	98
	B AUTHORITY	0.10	LAA	9						
	C CLASSIC 25WG	0.02	LAA	9						
	D LIBERTY	0.31	LAA	12						
	E AM. SULFATE	15.00	PMG	12						
7A	DOMAIN 60DF	0.375	LAA	9	0	99	80	93	89	87
	B LIBERTY	0.31	LAA	12						
	C AM. SULFATE	15.00	PMG	12						
8A	PROWL 3.3EC	1.24	LAA	9	0	99	82	91	94	87
	B LIBERTY	0.31	LAA	12						
	C AM. SULFATE	15.00	PMG	12						
9A	PROWL 3.3EC	1.24	LAA	9	12	94	81	88	97	89
	B RAPTOR 1AS	0.039	LAA	12						
	C SUNIT II	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
10A	COMMAND 3ME	0.60	LAA	9	0	99	99	98	99	99
	B AUTHORITY	0.30	LAA	9						
	C LIBERTY	0.26	LAA	12						
	D AM. SULFATE	15.00	PMG	12						
		LSD (0.05)			1.57	1.94	5.67	4.93	3.75	5.11
		STANDARD DEVIATION			0.745	0.922	2.70	2.34	1.79	2.43

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**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 32.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	POLPY	AMACH	PHBPU
		RATE	UNIT		07/14/00	07/14/00	07/14/00	07/14/00	07/14/00	07/14/00
1A	LIBERTY	0.36	LAA 12		0	92	87	95	94	82
	B AM. SULFATE	15.00	PMG 12							
2A	LIBERTY	0.44	LAA 12		0	94	90	96	98	85
	B AM. SULFATE	15.00	PMG 12							
3A	CHECK	0.00	NA 0		0	0	0	0	0	0
4A	LIBERTY	0.26	LAA 11		0	99	99	99	99	99
	B AM. SULFATE	15.00	PMG 11							
	C>LIBERTY	0.26	LAA 13							
	D AM. SULFATE	15.00	PMG 13							
5A	PURSUIT DG (70	0.031	LAA 12		0	93	77	93	93	83
	B>LIBERTY	0.31	LAA 12							
	C AM. SULFATE	15.00	PMG 12							
6A	CANOPY XL 56.3	0.12	LAA 0		0	95	99	99	99	96
	B>AUTHORITY	0.10	LAA 9							
	C CLASSIC 25WG	0.02	LAA 9							
	D>LIBERTY	0.31	LAA 12							
	E AM. SULFATE	15.00	PMG 12							
7A	DOMAIN 60DF	0.375	LAA 9		0	94	95	98	94	87
	B>LIBERTY	0.31	LAA 12							
	C AM. SULFATE	15.00	PMG 12							
8A	PROWL 3.3EC	1.24	LAA 9		0	95	82	91	93	85
	B>LIBERTY	0.31	LAA 12							
	C AM. SULFATE	15.00	PMG 12							
9A	PROWL 3.3EC	1.24	LAA 9		7	98	84	99	99	95
	B>RAPTOR 1AS	0.039	LAA 12							
	C>SUNIT II	1.00	PMV 12							
	D 28% UAN	2.50	PMV 12							
10A	COMMAND 3ME	0.60	LAA 9		0	96	99	98	99	99
	B>AUTHORITY	0.30	LAA 9							
	C>LIBERTY	0.26	LAA 12							
	D AM. SULFATE	15.00	PMG 12							
		LSD (0.05)			1.57	3.41	6.12	4.09	3.79	5.66
		STANDARD DEVIATION			0.745	1.62	2.92	1.95	1.80	2.70

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/26/2000 (1)
- 11 = ----- / EPOST 06/19/2000 (2)
- 12 = ----- / POST 06/23/2000 (3)
- 13 = ----- / LPOST 06/27/2000 (4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA		06/30/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA		06/30/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL		06/30/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY		06/30/2000	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMACH		06/30/2000	05	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU		06/30/2000	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA		07/14/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA		07/14/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL		07/14/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	POLPY		07/14/2000	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMACH		07/14/2000	05	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: ULLSOY WEED CONTROL IN LLSOY M-17E

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
012	PHBPU		07/14/2000	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = LT2874LL