

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.7  
 %OM: 5.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 10 X 47 FEET

DESIGN: RCB  
 REPS: 4

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	10	11	12	13	14	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/23/00	05/30/00	06/01/00	06/04/00	06/06/00	AME
AIR TEMPERATURE	78	81	91	75	74	F
% REL.HUMIDITY	61	57	49	38	39	
WIND DIRECTION	WEST	SOUTH	SOUTH	SOUTH	NORTH	
WIND SPEED	7.0	15.0	7.0	3.0	6.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	PARTCLDY	CLOUDY	CLEAR	
DEW	NO	NO	NO	NO	NO	
SOIL MOISTURE	MOIST/MOI	WET/MOIST	DRY/MOIST	DRY/MOIST	WET/MOIST	
SOIL CONDITION	---	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	32.00	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
INC. DATE						AME
INC. START						24H
INC. END						24H
INC. DEPTH						IN
INC. EQUIPMENT	---	---	---	---	---	
DENSITY /						
*** CROP ***						
CORN, DENT	---/14	---/15	---/16	---/17	---/18	
DEKALB 580RR	10.0/10.0	13.0/13.0	15.0/15.0	24.0/24.0	26.0/26.0	IN
04/27/2000						
*** PEST ***						
VELVETLEAF	---/11	---/13	---/15	---/18	---/19	
	1.00/1.00	3.00/3.00	5.00/5.00	8.00/8.00	10.0/10.0	IN
FIGWEED, REDROOT	---/14	---/18	---/19	---/19	---/19	
	2.00/2.00	4.00/4.00	7.00/7.00	9.00/9.00	10.0/10.0	IN
RAGWEED, COMMON	---/12	---/14	---/16	---/18	---/19	
	2.00/2.00	4.00/4.00	6.00/6.00	9.00/9.00	12.0/12.0	IN
LAMBSQUARTERS, C	---/13	---/17	---/19	---/19	---/19	
	1.00/1.00	2.00/2.00	4.00/4.00	6.00/6.00	8.00/8.00	IN
JIMSONWEED	---/11	---/14	---/16	---/18	---/19	
	2.00/2.00	4.00/4.00	6.00/6.00	9.00/9.00	12.0/12.0	IN
MORNINGGLORY, TA	---/14	---/18	---/19	---/19	---/19	
	2.00/2.00	4.00/4.00	5.00/5.00	7.00/7.00	8.00/8.00	IN
SMARTWEED, PENNS	---/15	---/18	---/19	---/19	---/19	
	2.00/2.00	5.00/5.00	7.00/7.00	12.0/12.0	14.0/14.0	IN
FOXTAIL, GIANT	---/11	---/12	---/13	---/14	---/15	
	2.00/2.00	4.00/4.00	6.00/6.00	10.0/10.0	12.0/12.0	IN
COCKLEBUR, COMMO	---/11	---/14	---/16	---/18	---/19	
	2.00/2.00	4.00/4.00	6.00/6.00	10.0/10.0	13.0/13.0	IN

\* TIMING CODES

10 = ----- / VEPOST  
 11 = ----- / EPOST

**\* TIMING CODES**

12 = ----- / POST  
13 = ----- / LPOST  
14 = ----- / VLPOST

**\* STAGE CODE**

11 = FIRST LEAF UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4 LEAVES 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:** CRRCOMP WEED COMPETITION IN RREADY CORN M-17W  
**CREATED:** 04/10/2000 **REVISED:** 10/07/2001 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 47.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	POLPY	AMBEL	DATST	CHEAL
		RATE	UNIT		06/16/00	06/16/00	06/16/00	06/16/00	06/16/00	06/16/00
1A	ROUNDUP ULTRA	0.56	LAA	10	0	99	91	95	97	96
	B AM. SULFATE	8.50	PMG	10						
	C»RE-INFEST	0.00	NA	0						
2A	ROUNDUP ULTRA	0.56	LAA	11	6	99	91	96	98	96
	B AM. SULFATE	8.50	PMG	11						
	C»RE-INFEST	0.00	NA	0						
3A	ROUNDUP ULTRA	0.75	LAA	12	11	98	83	93	97	96
	B AM. SULFATE	8.50	PMG	12						
	C»RE-INFEST	0.00	NA	0						
4A	ROUNDUP ULTRA	0.75	LAA	13	19	97	76	94	99	91
	B AM. SULFATE	8.50	PMG	13						
	C»RE-INFEST	0.00	NA	0						
5A	ROUNDUP ULTRA	0.75	LAA	14	33	96	73	93	95	89
	B AM. SULFATE	8.50	PMG	14						
	C»RE-INFEST	0.00	NA	0						
6A	ROUNDUP ULTRA	0.56	LAA	10	0	99	93	99	99	97
	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	3	99	97	99	99	96
	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	10	99	88	96	99	96
	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»	WEED FREE	0.00	NA	0	0	99	99	99	99	99
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)					4.32	1.10	4.14	2.89	1.31	2.86
STANDARD DEVIATION					2.11	0.537	2.00	1.41	0.641	1.39

TITLE: CRRCOMP WEED COMPETITION IN RREADY CORN M-17W  
 CREATED: 04/10/2000 REVISED: 10/07/2001 COMPLETED: N  
 PROJECT TYPE: HERBICIDE  
 LOCATION: Urbana RESEARCHED BY: UNIV. OF ILL  
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN  
 PLOT SIZE: 10.00 FT WIDE X 47.00 FT LONG REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	ABUTH	AMARE	XANST	ZEAMD	SETFA
		RATE	UNIT		06/16/00	06/16/00	06/16/00	06/16/00	07/05/00	07/05/00
1A	ROUNDUP ULTRA	0.56	LAA	10	86	92	96	99	0	83
	B AM. SULFATE	8.50	PMG	10						
	C»RE-INFEST	0.00	NA	0						
2A	ROUNDUP ULTRA	0.56	LAA	11	85	92	95	97	1	90
	B AM. SULFATE	8.50	PMG	11						
	C»RE-INFEST	0.00	NA	0						
3A	ROUNDUP ULTRA	0.75	LAA	12	78	90	97	99	4	97
	B AM. SULFATE	8.50	PMG	12						
	C»RE-INFEST	0.00	NA	0						
4A	ROUNDUP ULTRA	0.75	LAA	13	71	88	93	96	11	99
	B AM. SULFATE	8.50	PMG	13						
	C»RE-INFEST	0.00	NA	0						
5A	ROUNDUP ULTRA	0.75	LAA	14	70	86	94	96	16	96
	B AM. SULFATE	8.50	PMG	14						
	C»RE-INFEST	0.00	NA	0						
6A	ROUNDUP ULTRA	0.56	LAA	10	93	97	99	99	0	99
	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	97	97	99	99	0	99
	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	95	96	99	99	0	99
	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	»WEED FREE	0.00	NA	0	99	99	99	99	0	99
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)					3.79	2.76	2.67	1.75	3.39	2.08
STANDARD DEVIATION					1.85	1.35	1.30	0.852	1.65	1.00

TITLE: CRRCOMP WEED COMPETITION IN RREADY CORN M-17W  
CREATED: 04/10/2000 REVISED: 10/07/2001 COMPLETED: N  
PROJECT TYPE: HERBICIDE  
LOCATION: Urbana RESEARCHED BY: UNIV. OF ILL  
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN  
PLOT SIZE: 10.00 FT WIDE X 47.00 FT LONG REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	POLPY	AMBEL	DATST	CHEAL	PHBPU	ABUTH
		RATE	UNIT		07/05/00	07/05/00	07/05/00	07/05/00	07/05/00	07/05/00
1A	ROUNDUP ULTRA	0.56	LAA	10	90	99	99	82	73	83
	B AM. SULFATE	8.50	PMG	10						
	C»RE-INFEST	0.00	NA	0						
2A	ROUNDUP ULTRA	0.56	LAA	11	92	99	99	89	85	91
	B AM. SULFATE	8.50	PMG	11						
	C»RE-INFEST	0.00	NA	0						
3A	ROUNDUP ULTRA	0.75	LAA	12	85	95	99	95	82	91
	B AM. SULFATE	8.50	PMG	12						
	C»RE-INFEST	0.00	NA	0						
4A	ROUNDUP ULTRA	0.75	LAA	13	80	97	99	94	74	86
	B AM. SULFATE	8.50	PMG	13						
	C»RE-INFEST	0.00	NA	0						
5A	ROUNDUP ULTRA	0.75	LAA	14	79	91	99	91	71	85
	B AM. SULFATE	8.50	PMG	14						
	C»RE-INFEST	0.00	NA	0						
6A	ROUNDUP ULTRA	0.56	LAA	10	99	99	99	99	99	99
	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	99	99	99	99	99	99
	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	99	99
	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»	WEED FREE	0.00	NA	0	99	99	99	99	99	99
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
		LSD (0.05)			3.26	3.29	0.00	2.74	3.26	2.93
		STANDARD DEVIATION			1.59	1.60	0.00	1.33	1.59	1.43

TITLE: CRRCOMP WEED COMPETITION IN RREADY CORN M-17W  
 CREATED: 04/10/2000 REVISED: 10/07/2001 COMPLETED: N  
 PROJECT TYPE: HERBICIDE  
 LOCATION: Urbana RESEARCHED BY: UNIV. OF ILL  
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN  
 PLOT SIZE: 10.00 FT WIDE X 47.00 FT LONG REPS: 04

TRT TREATMENT NUM COMPONENT	DOSAGE		AMARE		XANST		ZEAMD	
	RATE	UNIT	TM	07/05/00	07/05/00	09/28/00	BU/A	
1A ROUNDUP ULTRA	0.56	LAA	10		88		99	189.0
B AM. SULFATE	8.50	PMG	10					
C»RE-INFEST	0.00	NA	0					
2A ROUNDUP ULTRA	0.56	LAA	11		96		99	190.7
B AM. SULFATE	8.50	PMG	11					
C»RE-INFEST	0.00	NA	0					
3A ROUNDUP ULTRA	0.75	LAA	12		98		99	187.0
B AM. SULFATE	8.50	PMG	12					
C»RE-INFEST	0.00	NA	0					
4A ROUNDUP ULTRA	0.75	LAA	13		96		99	188.9
B AM. SULFATE	8.50	PMG	13					
C»RE-INFEST	0.00	NA	0					
5A ROUNDUP ULTRA	0.75	LAA	14		94		99	187.9
B AM. SULFATE	8.50	PMG	14					
C»RE-INFEST	0.00	NA	0					
6A ROUNDUP ULTRA	0.56	LAA	10		99		99	208.2
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		99		99	207.3
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	206.9
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»WEED FREE	0.00	NA	0		99		99	200.1
10A CHECK	0.00	NA	0		0		0	149.1
LSD (0.05)				2.93	0.00	16.06		
STANDARD DEVIATION				1.43	0.00	7.78		

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
 10 = ----- / VEPOST 05/23/2000(1)  
 11 = ----- / EPOST 05/30/2000(2)  
 12 = ----- / POST 06/01/2000(3)  
 13 = ----- / LPOST 06/04/2000(4)  
 14 = ----- / VLPOST 06/06/2000(5)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD		06/16/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA		06/16/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	POLPY		06/16/2000	03	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMBEL		06/16/2000	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	DATST		06/16/2000	05	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	CHEAL		06/16/2000	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU		06/16/2000	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH		06/16/2000	08	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMARE		06/16/2000	09	P	AMARE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## TITLE: CRRCOMP WEED COMPETITION IN RREADY CORN M-17W

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
010	XANST		06/16/2000	10	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD		07/05/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA		07/05/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	POLPY		07/05/2000	03	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMBEL		07/05/2000	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	DATST		07/05/2000	05	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL		07/05/2000	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU		07/05/2000	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH		07/05/2000	08	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMARE		07/05/2000	09	P	AMARE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	XANST		07/05/2000	10	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	ZEAMD	BU/A	09/28/1900	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 580RR