

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.1  
 %OM: 5.5  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE:  
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB  
 REPS: 6

APPL. NUMBER	01	02	03	04	05	06	UNIT
<b>TIMINGS</b>	09	10	11	12	13	14	
<b>TYPE</b>	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
<b>APPLICATION DATE</b>	05/10/99	05/26/99	06/03/99	06/08/99	06/11/99	06/29/99	AME
<b>AIR TEMPERATURE</b>	79	75	73	88	91	75	F
<b>% REL.HUMIDITY</b>	60	50	85	68	77	70	
<b>WIND DIRECTION</b>	SOUTHEAST	WEST	---	---	SOUTHEAST	NORTH	
<b>WIND SPEED</b>	7.0	2.0	0.0	0.0	5.0	3.0	M/H
<b>CLOUD COVER</b>	CLEAR	CLEAR	OVERCAST	CLEAR	PARTCLDY	PARTCLDY	
<b>DEW</b>	---	NO	MOIST	NO	NO	NO	
<b>SOIL MOISTURE</b>	MOIST/MOI	MOIST/MOI	MOIST/MOI	MOIST/MOI	MOIST/MOI	DRY/MOIST	
<b>SOIL CONDITION</b>	---	---	---	---	---	---	
<b>METHOD</b>	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
<b>EQUIPMENT</b>	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
<b>PROPELLANT</b>	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
<b>PLACEMENT</b>	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
<b>NOZZLE</b>	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
<b>NOZZLE NUMBER</b>	6	6	6	6	6	6	
<b>NOZZLE SPACING</b>	20.000	20.000	20.000	20.000	20.000	20.000	IN
<b>SWATH WIDTH</b>	10.0	10.0	10.0	10.0	10.0	10.0	FT
<b>SPRAY VOLUME</b>	20.00	20.00	20.00	20.00	20.00	20.00	
<b>VOLUME UNIT</b>	GPA	GPA	GPA	GPA	GPA	GPA	
<b>PRESSURE</b>	32.00	32.00	32.00	32.00	32.00	32.00	PSI
<b>DILUENT</b>	WATER	WATER	WATER	WATER	WATER	WATER	
<b>INC. DATE</b>							AME
<b>INC. START</b>							24H
<b>INC. END</b>							24H
<b>INC. DEPTH</b>							IN
<b>INC. EQUIPMENT</b>							
<b>DENSITY /</b>							
<b>*** CROP ***</b>							
<b>SOYBEAN</b>		---/10	---/11	---/13	---/14	---/63	
<b>PIONEER 9363RR</b>		2.00/2.00	4.00/4.00	6.00/6.00	8.00/8.00	16.0/16.0	IN
<b>05/10/1999</b>							
<b>*** PEST ***</b>							
<b>VELVETLEAF</b>		---/11	---/12	---/14	---/16	---/19	
		1.00/1.00	1.00/3.00	2.00/4.00	3.00/6.00	5.00/10.0	IN
<b>WATERHEMP, COMMO</b>		---/12	---/14	---/17	---/19	---/19	
		1.00/1.00	1.00/3.00	2.00/4.00	3.00/6.00	6.00/12.0	IN
<b>LAMBSQUARTERS, C</b>		---/12	---/15	---/17	---/19	---/19	
		0.50/1.00	1.00/2.00	2.00/4.00	3.00/5.00	4.00/8.00	IN
<b>MORNINGGLORY, TA</b>		---/10	---/12	---/14	---/16	---/19	
		1.00/1.00	1.00/1.00	2.00/3.00	3.00/5.00	4.00/8.00	IN
<b>FOXTAIL, GIANT</b>		---/11	---/12	---/13	---/14	---/15	
		1.00/1.00	1.00/3.00	2.00/4.00	3.00/6.00	5.00/10.0	IN

\* TIMING CODES

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

\* STAGE CODE

10 = COTYLEDONS COMPLETELY UNFOLDED  
 11 = FIRST LEAF UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS 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  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 63 = 30% OF FLOWERS OPEN (DETERMINATE)



**TITLE:** RRSAMCY WEED COMPETITION IN ROUNDUP-READY SOYS AMCY AS-400  
**CREATED:** 05/09/1999 **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 30.00 FT LONG **REPS:** 06

TRT NUM	TREATMENT COMPONENT	DOSAGE		LO-PODHT INCHES 10/01/99	YIELD BU/A 10/18/99
		RATE	UNIT		
1A	ROUNDUP ULTRA	0.75	LAA 10	4.3	60.3
	B AM. SULFATE	8.50	PMG 10		
	C ROUNDUP ULTRA	0.75	LAA 12		
	D AM. SULFATE	8.50	PMG 12		
	E ROUNDUP ULTRA	0.75	LAA 14		
	F AM. SULFATE	8.50	PMG 14		
	G»WEED FREE	0.00	NA 0		
2A	ROUNDUP ULTRA	0.75	LAA 11	4.5	58.5
	B AM. SULFATE	8.50	PMG 11		
	C ROUNDUP ULTRA	0.75	LAA 12		
	D AM. SULFATE	8.50	PMG 12		
	E ROUNDUP ULTRA	0.75	LAA 14		
	F AM. SULFATE	8.50	PMG 14		
	G»WEED FREE	0.00	NA 0		
3A	ROUNDUP ULTRA	0.75	LAA 12	4.4	58.9
	B AM. SULFATE	8.50	PMG 12		
	C ROUNDUP ULTRA	0.75	LAA 13		
	D AM. SULFATE	8.50	PMG 13		
	E ROUNDUP ULTRA	0.75	LAA 14		
	F AM. SULFATE	8.50	PMG 14		
	G»WEED FREE	0.00	NA 0		
4A	ROUNDUP ULTRA	0.75	LAA 13	4.7	61.9
	B AM. SULFATE	8.50	PMG 13		
	C ROUNDUP ULTRA	0.75	LAA 14		
	D AM. SULFATE	8.50	PMG 14		
	E»WEED FREE	0.00	NA 0		
5A	ROUNDUP ULTRA	0.75	LAA 14	5.3	46.1
	B AM. SULFATE	8.50	PMG 14		
	C»WEED FREE	0.00	NA 0		
6A	ROUNDUP ULTRA	0.75	LAA 11	5.3	61.0
	B AM. SULFATE	8.50	PMG 11		
	C ROUNDUP ULTRA	0.75	LAA 12		
	D AM. SULFATE	8.50	PMG 12		
	E ROUNDUP ULTRA	0.75	LAA 13		
	F AM. SULFATE	8.50	PMG 13		
	G»RE-INFEST	0.00	NA 0		
7A	ROUNDUP ULTRA	0.75	LAA 11	5.1	62.0
	B AM. SULFATE	8.50	PMG 11		
	C ROUNDUP ULTRA	0.75	LAA 12		
	D AM. SULFATE	8.50	PMG 12		
	E»RE-INFEST	0.00	NA 0		
8A	ROUNDUP ULTRA	0.75	LAA 11	5.9	56.1
	B AM. SULFATE	8.50	PMG 11		
	C»RE-INFEST	0.00	NA 0		
9A	CHECK	0.00	NA 0	7.6	17.2
10A»	HAND WEEDED	0.00	NA 0	4.7	59.7
		LSD (0.05)		0.771	7.22
		STANDARD DEVIATION		0.386	3.61

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
10 = ----- / VEPOST 05/26/1999(2)  
11 = ----- / EPOST 06/03/1999(3)  
12 = ----- / POST 06/08/1999(4)  
13 = ----- / LPOST 06/11/1999(5)  
14 = ----- / VLPOST 06/29/1999(6)

TITLE: RRSAMCY WEED COMPETITION IN ROUNDUP-READY SOYS AMCY AS-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	GLXMA	CON %	08/06/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	08/06/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	08/06/1999	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	08/06/1999	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	08/06/1999	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	08/06/1999	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	LO-PODHT	INCHES	10/01/1999	01	P	GLXMA		RAW	ALL	HT	%	---	1.00 PL	NO	0001	0	N
008	YIELD	BU/A	10/18/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 9363RR