

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06/21/00	AME
AIR TEMPERATURE	78	F
% REL.HUMIDITY	83	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	7.0	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	---/13	
PIONEER 93B53RR	6.00/6.00	IN
*** PEST ***		
VELVETLEAF	---/13	
	2.00/4.00	IN
LAMBSQUARTERS, C	---/19	
	2.00/4.00	IN
MORNINGGLORY, TA	---/16	
	2.00/2.00	IN
FOXTAIL, GIANT	---/12	
	5.00/5.00	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

12 = 2 LEAVES UNFOLDED
 13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: USOYADJ ADJUVANT STUDY IN RRSOY AS-200
CREATED: 05/02/2000 **REVISED:** 09/06/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	ABUTH	PHBPU	GLXMA
		RATE	UNIT		06/30/00	06/30/00	06/30/00	06/30/00	06/30/00	07/21/00
1A	RAPTOR 1AS	0.0195	LAA 12		5	83	67	65	70	2
B	ACTIVATOR 90	0.25	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
2A	RAPTOR 1AS	0.0195	LAA 12		7	83	73	78	73	5
B	COC	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
3A	RAPTOR 1AS	0.0195	LAA 12		10	93	89	83	82	3
B	MISO	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
4A	RAPTOR 1AS	0.0195	LAA 12		5	82	83	84	78	2
B	AGRISTAY 87	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
5A	RAPTOR 1AS	0.039	LAA 12		8	88	86	87	78	5
B	MISO	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
6A	RAPTOR 1AS	0.0195	LAA 12		2	77	84	82	75	2
B	AGRISTAY 87	1.00	PMV 12							
7A	REFLEX 2LC	0.156	LAA 12		5	0	60	57	60	5
B	ACTIVATOR 90	0.25	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
8A	REFLEX 2LC	0.156	LAA 12		7	0	58	62	60	5
B	COC	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
9A	REFLEX 2LC	0.156	LAA 12		12	0	86	92	83	7
B	MISO	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
10A	REFLEX 2LC	0.156	LAA 12		3	0	62	53	53	2
B	AGRISTAY 87	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
11A	REFLEX 2LC	0.31	LAA 12		17	32	87	91	86	12
B	MISO	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
12A	REFLEX 2LC	0.156	LAA 12		5	7	70	62	62	2
B	AGRISTAY 87	1.00	PMV 12							
13A	ROUNDUP ULTRA	0.28	LAA 12		0	99	95	92	82	0
B	AM. SULFATE	12.50	PMG 12							
14A	ROUNDUP ORIGIN	0.28	LAA 12		0	99	96	95	89	0
B	ACTIVATOR 90	0.25	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
15A	ROUNDUP ORIGIN	0.28	LAA 12		0	99	92	92	85	0
B	COC	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
16A	ROUNDUP ORIGIN	0.28	LAA 12		0	99	94	92	84	0
B	MISO	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							
17A	CHECK	0.00	NA 0		0	0	0	0	0	0
18A	ROUNDUP ORIGIN	0.28	LAA 12		0	99	96	94	89	0
B	AGRISTAY 87	1.00	PMV 12							
C	AM. SULFATE	12.50	PMG 12							

TITLE: USOYADJ ADJUVANT STUDY IN RRSOY AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		GLXMA	SETFA	CHEAL	ABUTH	PHBPU	GLXMA
		RATE	UNIT TM	06/30/00	06/30/00	06/30/00	06/30/00	06/30/00	07/21/00
19A»	ROUNDUP ORIGIN	0.28	LAA 12	0	98	93	89	85	0
	B»LI-700	0.50	PMV 12						
	C»CHOICE	0.50	PMV 12						
20A»	ROUNDUP ORIGIN	0.28	LAA 12	0	99	94	88	85	0
	B»LI-129	0.50	PMV 12						
	C»CHOICE	0.50	PMV 12						
21A»	ROUNDUP ORIGIN	0.28	LAA 12	0	99	96	92	84	0
	B»LI-129	0.50	PMV 12						
	C AM. SULFATE	17.00	PMG 12						
22A	ROUNDUP ULTRA	0.56	LAA 12	0	99	97	94	89	0
	B AM. SULFATE	12.50	PMG 12						
23A»	ROUNDUP ORIGIN	0.56	LAA 12	0	99	98	98	94	0
	B»ACTIVATOR 90	0.25	PMV 12						
	C AM. SULFATE	12.50	PMG 12						
24A»	ROUNDUP ORIGIN	0.28	LAA 12	0	99	96	93	91	0
	B»AGRISTAY 87	1.00	PMV 12						
			LSD (0.05)	4.18	6.00	6.87	6.70	7.89	2.62
			STANDARD DEVIATION	2.09	3.00	3.43	3.35	3.94	1.31

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CREATED: 05/02/2000 **REVISED:** 09/06/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	CHEAL	ABUTH	PHBPU
		RATE	UNIT		07/21/00	07/21/00	07/21/00	07/21/00
1A	RAPTOR 1AS	0.0195	LAA 12		91	84	99	83
B	ACTIVATOR 90	0.25	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
2A	RAPTOR 1AS	0.0195	LAA 12		93	90	99	83
B	COC	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
3A	RAPTOR 1AS	0.0195	LAA 12		96	92	99	85
B	MSO	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
4A	RAPTOR 1AS	0.0195	LAA 12		93	91	99	86
B	AGRISTAY 87	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
5A	RAPTOR 1AS	0.039	LAA 12		98	95	99	93
B	MSO	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
6A	RAPTOR 1AS	0.0195	LAA 12		89	86	99	83
B	AGRISTAY 87	1.00	PMV 12					
7A	REFLEX 2LC	0.156	LAA 12		0	67	84	82
B	ACTIVATOR 90	0.25	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
8A	REFLEX 2LC	0.156	LAA 12		0	68	80	83
B	COC	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
9A	REFLEX 2LC	0.156	LAA 12		0	84	97	89
B	MSO	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
10A	REFLEX 2LC	0.156	LAA 12		0	72	82	83
B	AGRISTAY 87	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
11A	REFLEX 2LC	0.31	LAA 12		0	86	98	93
B	MSO	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
12A	REFLEX 2LC	0.156	LAA 12		0	73	82	81
B	AGRISTAY 87	1.00	PMV 12					
13A	ROUNDUP ULTRA	0.28	LAA 12		99	92	99	89
B	AM. SULFATE	12.50	PMG 12					
14A	ROUNDUP ORIGIN	0.28	LAA 12		99	90	99	91
B	ACTIVATOR 90	0.25	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
15A	ROUNDUP ORIGIN	0.28	LAA 12		99	93	99	91
B	COC	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
16A	ROUNDUP ORIGIN	0.28	LAA 12		99	91	99	92
B	MSO	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					
17A	CHECK	0.00	NA 0		0	0	0	0
18A	ROUNDUP ORIGIN	0.28	LAA 12		99	94	99	92
B	AGRISTAY 87	1.00	PMV 12					
C	AM. SULFATE	12.50	PMG 12					

TITLE: USOYADJ ADJUVANT STUDY IN RRSOY AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		SETFA	CHEAL	ABUTH	PHBPU	
		RATE	UNIT	TM	07/21/00	07/21/00	07/21/00	07/21/00
19A»	ROUNDUP ORIGIN	0.28	LAA	12	99	93	99	92
	B»LI-700	0.50	PMV	12				
	C»CHOICE	0.50	PMV	12				
20A»	ROUNDUP ORIGIN	0.28	LAA	12	99	90	98	91
	B»LI-129	0.50	PMV	12				
	C»CHOICE	0.50	PMV	12				
21A»	ROUNDUP ORIGIN	0.28	LAA	12	99	93	99	92
	B»LI-129	0.50	PMV	12				
	C AM. SULFATE	17.00	PMG	12				
22A	ROUNDUP ULTRA	0.56	LAA	12	99	99	99	96
	B AM. SULFATE	12.50	PMG	12				
23A»	ROUNDUP ORIGIN	0.56	LAA	12	99	97	99	96
	B»ACTIVATOR 90	0.25	PMV	12				
	C AM. SULFATE	12.50	PMG	12				
24A»	ROUNDUP ORIGIN	0.28	LAA	12	99	98	99	94
	B»AGRISTAY 87	1.00	PMV	12				
		LSD (0.05)			1.70	4.94	2.19	3.45
		STANDARD DEVIATION			0.848	2.47	1.09	1.72

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
12 = ----- / POST 06/21/2000(1)

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	ABUTH		06/30/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU		06/30/2000	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA		07/21/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA		07/21/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL		07/21/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH		07/21/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU		07/21/2000	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 93B53RR