

SOIL INFORMATION

TRIAL INFORMATION

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

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06/22/99	AME
AIR TEMPERATURE	80	F
% REL.HUMIDITY	70	
WIND DIRECTION	---	
WIND SPEED	0.0	M/H
CLOUD COVER	CLEAR	
DEW	MOIST	
SOIL MOISTURE	DRY/MOIST	
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	15.00	
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 9363RR	6.00/6.00	IN
05/26/1999		
*** PEST ***		
VELVETLEAF	---/14	
	3.00/5.00	IN
PIGWEEED, SMOOTH	---/18	
	3.00/5.00	IN
MORNINGGLORY, TA	---/14	
	1.00/2.00	IN
FOXTAIL, GIANT	---/14	
	4.00/6.00	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES

14 = 4 LEAVES UNFOLDED

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: SRAPADJ RAPTOR ADJUVANT STUDY AS-100
CREATED: 06/08/1999 **REVISED:** 07/22/1999 **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	ABUTH	AMACH	PHBPU	GLXMA
		RATE	UNIT		CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 07/12/99
1A»	RAPTOR 1AS	0.032	LAA 12		0	86	78	84	78	0
B»	PHASE	0.50	PMV 12							
C»	CHOICE	0.50	PMV 12							
2A»	RAPTOR 1AS	0.032	LAA 12		0	91	82	89	87	0
B»	EFFECTIVE	2.08	PMV 12							
3A	CHECK	0.00	NA 0		0	0	0	0	0	0
4A»	RAPTOR 1AS	0.032	LAA 12		2	88	85	89	85	3
B»	VORTEX	1.67	PMV 12							
5A»	RAPTOR 1AS	0.032	LAA 12		0	91	88	93	89	2
B»	MSO	1.25	PMV 12							
C	AM. SULFATE	17.00	PMG 12							
6A»	RAPTOR 1AS	0.032	LAA 12		0	92	87	91	84	0
B»	SUNIT II	1.25	PMV 12							
C	28% UAN	1.67	PMV 12							
7A»	RAPTOR 1AS	0.02	LAA 12		0	91	88	89	84	0
B»	SUNIT II	1.25	PMV 12							
C	28% UAN	1.67	PMV 12							
8A»	RAPTOR 1AS	0.02	LAA 12		0	91	88	88	88	0
B»	AGRISTAY 87	1.25	PMV 12							
C	28% UAN	1.67	PMV 12							
9A»	RAPTOR 1AS	0.032	LAA 12		0	91	87	91	88	0
B»	AGRISTAY 87	1.25	PMV 12							
C	28% UAN	1.67	PMV 12							
10A»	RAPTOR 1AS	0.04	LAA 12		2	94	92	96	91	0
B»	AGRISTAY 87	1.25	PMV 12							
C	28% UAN	1.67	PMV 12							
		LSD (0.05)			2.28	3.26	3.85	3.11	3.87	2.33
		STANDARD DEVIATION			1.08	1.55	1.83	1.48	1.84	1.11

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 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
 PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	SETFA	ABUTH	AMACH	PHBPU
	RATE	UNIT		CON % 07/12/99	CON % 07/12/99	CON % 07/12/99	CON % 07/12/99
1A»RAPTOR 1AS	0.032	LAA 12		96	91	99	89
B»PHASE	0.50	PMV 12					
C»CHOICE	0.50	PMV 12					
2A»RAPTOR 1AS	0.032	LAA 12		97	93	99	91
B»EFFECTIVE	2.08	PMV 12					
3A CHECK	0.00	NA 0		0	0	0	0
4A»RAPTOR 1AS	0.032	LAA 12		98	96	99	94
B»VORTEX	1.67	PMV 12					
5A»RAPTOR 1AS	0.032	LAA 12		97	93	99	93
B»MSO	1.25	PMV 12					
C AM. SULFATE	17.00	PMG 12					
6A»RAPTOR 1AS	0.032	LAA 12		99	96	99	94
B»SUNIT II	1.25	PMV 12					
C 28% UAN	1.67	PMV 12					
7A»RAPTOR 1AS	0.02	LAA 12		96	90	99	88
B»SUNIT II	1.25	PMV 12					
C 28% UAN	1.67	PMV 12					
8A»RAPTOR 1AS	0.02	LAA 12		94	89	99	85
B»AGRISTAY 87	1.25	PMV 12					
C 28% UAN	1.67	PMV 12					
9A»RAPTOR 1AS	0.032	LAA 12		97	93	99	91
B»AGRISTAY 87	1.25	PMV 12					
C 28% UAN	1.67	PMV 12					
10A»RAPTOR 1AS	0.04	LAA 12		99	96	99	94
B»AGRISTAY 87	1.25	PMV 12					
C 28% UAN	1.67	PMV 12					
	LSD (0.05)			2.53	2.81	0.00	3.14
	STANDARD DEVIATION			1.21	1.34	0.00	1.50

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 12 = ----- / POST 06/22/1999(1)

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 %	06/30/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/30/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	06/30/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMACH	CON %	06/30/1999	04	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/30/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/12/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/12/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	07/12/1999	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMACH	CON %	07/12/1999	04	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/12/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 9363RR