

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE:
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/10/99	06/03/99	06/11/99	AME
AIR TEMPERATURE	79	74	91	F
% REL.HUMIDITY	60	85	77	
WIND DIRECTION	SOUTHEAST	---	SOUTHEAST	
WIND SPEED	7.0	0.0	5.0	M/H
CLOUD COVER	CLEAR	OVERCAST	PARTCLDY	
DEW	---	MOIST	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT				
DEN/ STG/ MINMAXSZ				
*** CROP ***				
SOYBEAN		---/11	---/14	
PIONEER 9363RR		4.00/4.00	8.00/8.00	IN
05/10/1999				
*** PEST ***				
VELVETLEAF		---/12	---/15	
		1.00/3.00	2.00/4.00	IN
WATERHEMP, COMMO		---/14	---/18	
		1.00/3.00	3.00/5.00	IN
LAMBSQUARTERS, C		---/13	---/16	
		1.00/1.00	2.00/3.00	IN
MORNINGGLORY, TA		---/11	---/13	
		1.00/1.00	1.00/2.00	IN
FOXTAIL, GIANT		---/12	---/13	
		1.00/3.00	3.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

11 = FIRST LEAF UNFOLDED
 12 = 2 LEAVES UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: SDPXWH PREEMERG. COMBOS FOR WEED CONTROL IN RRSOYS AS-400
CREATED: 05/08/1999 **REVISED:** 07/28/1999 **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	AMATA	ABUTH	PHBPU	CHEAL
		RATE	UNIT		CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99
1A	CLASSIC 25WG	0.015	LAA	9	3	99	98	97	96	99
	B»AUTHORITY	0.074	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.15	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
2A	CLASSIC 25WG	0.018	LAA	9	3	99	99	98	96	99
	B»AUTHORITY	0.088	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.15	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
3A	CLASSIC 25WG	0.021	LAA	9	5	99	99	98	98	99
	B»AUTHORITY	0.103	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.15	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
4A	CLASSIC 25WG	0.026	LAA	9	7	99	99	98	97	99
	B»AUTHORITY	0.132	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.15	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A	CLASSIC 25WG	0.015	LAA	9	5	99	98	96	96	99
	B»AUTHORITY	0.074	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.20	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
7A	CLASSIC 25WG	0.018	LAA	9	3	99	99	97	96	99
	B»AUTHORITY	0.088	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.20	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
8A	CLASSIC 25WG	0.021	LAA	9	5	99	99	99	98	99
	B»AUTHORITY	0.103	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.20	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
9A	CLASSIC 25WG	0.026	LAA	9	5	99	99	98	99	99
	B»AUTHORITY	0.132	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.20	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
10A	CLASSIC 25WG	0.015	LAA	9	2	98	99	97	94	99
	B»AUTHORITY	0.074	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						
11A	CLASSIC 25WG	0.018	LAA	9	2	98	97	97	97	99
	B»AUTHORITY	0.088	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						

TITLE: SDPXWH PREEMERG. COMBOS FOR WEED CONTROL IN RRSOYS AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMATA	ABUTH	PHBPU	CHEAL
		RATE	UNIT	TM	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99	CON % 06/21/99
12A	CLASSIC 25WG	0.021	LAA	9	7	98	98	99	98	99
	B»AUTHORITY	0.103	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						
13A	CLASSIC 25WG	0.026	LAA	9	5	99	99	99	98	99
	B»AUTHORITY	0.132	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						
14A	CLASSIC 25WG	0.021	LAA	9	5	99	99	95	97	99
	B»AUTHORITY	0.103	LAA	9						
	C»FOE5043 60WG	0.15	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						
15A	»AUTHORITY	0.141	LAA	9	2	73	82	0	0	57
16A	»AUTHORITY	0.188	LAA	9	18	98	92	97	75	98
	B PURSUIT DG (70	0.063	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
17A	»AUTHORITY	0.188	LAA	9	15	98	90	98	78	98
	B»RAPTOR 1AS	0.031	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A	ROUNDUP ULTRA	0.56	LAA	11	2	95	99	97	85	94
	B AM. SULFATE	17.00	PMG	11						
	C ROUNDUP ULTRA	0.56	LAA	13						
	D AM. SULFATE	17.00	PMG	13						
		LSD (0.05)			3.52	2.42	3.40	2.88	4.00	2.66
		STANDARD DEVIATION			1.74	1.20	1.68	1.43	2.00	1.32

TITLE: SDPXWH PREEMERG. COMBOS FOR WEED CONTROL IN RRSOYS AS-400
CREATED: 05/08/1999 **REVISED:** 07/28/1999 **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	AMATA	ABUTH	PHBPU	CHEAL
		RATE	UNIT		CON % 07/09/99	CON % 07/09/99	CON % 07/09/99	CON % 07/09/99	CON % 07/09/99	CON % 07/09/99
1A	CLASSIC 25WG	0.015	LAA	9	0	97	99	97	95	99
	B»AUTHORITY	0.074	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.15	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
2A	CLASSIC 25WG	0.018	LAA	9	0	98	99	98	95	98
	B»AUTHORITY	0.088	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.15	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
3A	CLASSIC 25WG	0.021	LAA	9	0	99	99	99	95	99
	B»AUTHORITY	0.103	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.15	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
4A	CLASSIC 25WG	0.026	LAA	9	0	98	98	99	96	99
	B»AUTHORITY	0.132	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.15	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A	CLASSIC 25WG	0.015	LAA	9	2	97	99	98	92	99
	B»AUTHORITY	0.074	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.20	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
7A	CLASSIC 25WG	0.018	LAA	9	0	99	99	99	96	99
	B»AUTHORITY	0.088	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.20	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
8A	CLASSIC 25WG	0.021	LAA	9	0	98	99	98	97	99
	B»AUTHORITY	0.103	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.20	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
9A	CLASSIC 25WG	0.026	LAA	9	0	98	99	98	99	99
	B»AUTHORITY	0.132	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D»FOE5043 60WG	0.20	LAA	9						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	17.00	PMG	13						
10A	CLASSIC 25WG	0.015	LAA	9	0	98	99	98	96	99
	B»AUTHORITY	0.074	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						
11A	CLASSIC 25WG	0.018	LAA	9	0	97	99	97	96	99
	B»AUTHORITY	0.088	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						

TITLE: SDPXWH PREEMERG. COMBOS FOR WEED CONTROL IN RRSOYS AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMATA	ABUTH	PHBPU	CHEAL
		RATE	UNIT	TM	CON % 07/09/99	CON % 07/09/99	CON % 07/09/99	CON % 07/09/99	CON % 07/09/99	CON % 07/09/99
12A	CLASSIC 25WG	0.021	LAA	9	0	98	98	98	97	99
	B»AUTHORITY	0.103	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						
13A	CLASSIC 25WG	0.026	LAA	9	0	98	99	99	98	99
	B»AUTHORITY	0.132	LAA	9						
	C SENCOR 75WG	0.141	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						
14A	CLASSIC 25WG	0.021	LAA	9	0	98	99	98	97	99
	B»AUTHORITY	0.103	LAA	9						
	C»FOE5043 60WG	0.15	LAA	9						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	17.00	PMG	13						
15A»	AUTHORITY	0.141	LAA	9	0	50	57	0	0	50
16A»	AUTHORITY	0.188	LAA	9	2	87	80	93	87	97
	B PURSUIT DG (70	0.063	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
17A»	AUTHORITY	0.188	LAA	9	0	88	77	90	87	96
	B»RAPTOR 1AS	0.031	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A	ROUNDUP ULTRA	0.56	LAA	11	0	91	93	90	87	92
	B AM. SULFATE	17.00	PMG	11						
	C ROUNDUP ULTRA	0.56	LAA	13						
	D AM. SULFATE	17.00	PMG	13						
		LSD (0.05)			1.54	6.00	6.93	1.75	5.25	2.52
		STANDARD DEVIATION			0.762	3.00	3.43	0.865	2.60	1.25

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/10/1999(1)
 11 = ----- / EPOST 06/03/1999(2)
 13 = ----- / LPOST 06/11/1999(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/21/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/21/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/21/1999	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/21/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/21/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	CHEAL	CON %	06/21/1999	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/09/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/09/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	07/09/1999	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	07/09/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	07/09/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	CHEAL	CON %	07/09/1999	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 9363RR