

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	UNIT
TIMINGS	09	12	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/12/00	06/12/00	AME
AIR TEMPERATURE	74	81	F
% REL.HUMIDITY	70	85	
WIND DIRECTION	SOUTHWEST	SOUTH	
WIND SPEED	8.0	3.0	M/H
CLOUD COVER	CLEAR	CLOUDY	
DEW	---	MOIST	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT		---	
DN/SG/MMZ			
*** CROP ***			
SOYBEAN		---/12	
PIONEER 94B01RR		5.00/5.00	IN
05/11/2000			
*** PEST ***			
VELVETLEAF		---/13	
		3.00/3.00	IN
WATERHEMP, COMMO		---/18	
		3.00/3.00	IN
LAMBSQUARTERS, C		---/18	
		3.00/3.00	IN
FOXTAIL, GIANT		---/12	
		4.00/4.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST

* STAGE CODE

12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: SWHSYS2 HERBICIDE SYSTEMS FOR WH CONTROL IN RRSOY II AS-400
CREATED: 04/17/2000 **REVISED:** 08/14/2000 **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	AMATA	ABUTH	CHEAL	GLXMA
		RATE	UNIT		06/22/00	06/22/00	06/22/00	06/22/00	06/22/00	07/07/00
1A	PURSUIT +	0.91	LAA	9	7	95	78	95	96	0
2A	PURSUIT +	0.91	LAA	9	3	92	96	98	99	0
	B»AUTHORITY	0.23	LAA	9						
3A	PROWL 3.3EC	0.83	LAA	9	3	78	95	93	99	0
	B»CANOPY XL 56.3	0.24	LAA	0						
	C»AUTHORITY	0.20	LAA	9						
	D CLASSIC 25WG	0.04	LAA	9						
4A»	AUTHORITY	0.188	LAA	9	28	99	99	99	99	13
	B»FLEXSTAR 1.88M	0.29	LAA	12						
	C FUSION	0.20	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	AUTHORITY	0.23	LAA	9	32	99	99	99	99	8
	B BASAGRAN 4SL	1.00	LAA	12						
	C»ULTRA BLAZER	0.16	LAA	12						
	D POAST + 1EC	0.19	PMV	12						
	E 28% UAN	2.50	PMV	12						
7A»	CANOPY XL 56.3	0.088	LAA	0	30	98	99	99	99	15
	B»AUTHORITY	0.073	LAA	9						
	C CLASSIC 25WG	0.015	LAA	9						
	D»FLEXSTAR 1.88M	0.29	LAA	12						
	E FUSION	0.20	LAA	12						
	F»MSO	1.00	PMV	12						
	G 28% UAN	2.50	PMV	12						
8A»	CANOPY XL 56.3	0.088	LAA	0	5	99	99	99	99	0
	B»AUTHORITY	0.073	LAA	9						
	C CLASSIC 25WG	0.015	LAA	9						
	D ROUNDUP ULTRA	0.75	LAA	12						
	E AM. SULFATE	8.50	PMG	12						
9A	PROWL 3.3EC	1.24	LAA	9	10	99	99	99	99	0
	B»EXTREME 2.17L	0.813	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D AM. SULFATE	15.00	PMG	12						
10A	PROWL 3.3EC	1.24	LAA	9	30	98	99	99	99	12
	B PURSUIT DG (70	0.063	LAA	12						
	C»FLEXSTAR 1.88M	0.176	LAA	12						
	D»MSO	1.00	PMV	12						
	E AM. SULFATE	15.00	PMG	12						
11A	PROWL 3.3EC	1.24	LAA	9	33	99	99	99	99	17
	B»RAPTOR 1AS	0.032	LAA	12						
	C»FLEXSTAR 1.88M	0.176	LAA	12						
	D»MSO	1.00	PMV	12						
	E AM. SULFATE	15.00	PMG	12						
12A»	BOUNDARY 7.8L	2.43	LAA	9	0	83	97	83	99	0
	B»AUTHORITY	0.23	LAA	9						
13A»	BOUNDARY 7.8L	1.22	LAA	9	0	99	99	99	99	0
	B»TOUCHDN IQ 3AE	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
14A»	VALOR 50WG	0.063	LAA	9	0	99	99	99	99	0
	B ROUNDUP ULTRA	0.56	LAA	12						
	C AM. SULFATE	8.50	PMG	12						
15A»	CANOPY XL 56.3	0.14	LAA	0	3	99	99	99	99	3
	B»AUTHORITY	0.117	LAA	9						
	C CLASSIC 25WG	0.023	LAA	9						
	D»TOUCHDN IQ 3AE	0.56	LAA	12						
	E AM. SULFATE	8.50	PMG	12						

TITLE: SWHSYS2 HERBICIDE SYSTEMS FOR WH CONTROL IN RRSOY II AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		GLXMA	SETFA	AMATA	ABUTH	CHEAL	GLXMA
		RATE	UNIT TM	06/22/00	06/22/00	06/22/00	06/22/00	06/22/00	07/07/00
16A	PURSUIT DG (70	0.063	LAA 12	35	95	99	99	91	18
	B»FLEXSTAR 1.88M	0.176	LAA 12						
	C»MSO	1.00	PMV 12						
	D AM. SULFATE	15.00	PMG 12						
17A»	RAPTOR 1AS	0.032	LAA 12	40	96	99	99	98	23
	B»FLEXSTAR 1.88M	0.176	LAA 12						
	C»MSO	1.00	PMV 12						
	D AM. SULFATE	15.00	PMG 12						
18A»	TOUCHDN IQ 3AE	0.75	LAA 12	22	99	99	99	99	10
	B»FLEXSTAR 1.88M	0.12	LAA 12						
	C AM. SULFATE	8.50	PMG 12						
		LSD (0.05)		6.07	4.60	3.00	3.79	3.61	4.76
		STANDARD DEVIATION		3.00	2.27	1.48	1.88	1.78	2.36

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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	AMATA	ABUTH	CHEAL
		RATE	UNIT		07/07/00	07/07/00	07/07/00	07/07/00
1A	PURSUIT +	0.91	LAA	9	88	68	85	87
2A	PURSUIT +	0.91	LAA	9	85	87	90	95
	B»AUTHORITY	0.23	LAA	9				
3A	PROWL 3.3EC	0.83	LAA	9	68	85	88	95
	B»CANOPY XL 56.3	0.24	LAA	0				
	C»AUTHORITY	0.20	LAA	9				
	D CLASSIC 25WG	0.04	LAA	9				
4A»	AUTHORITY	0.188	LAA	9	98	99	99	99
	B»FLEXSTAR 1.88M	0.29	LAA	12				
	C FUSION	0.20	LAA	12				
	D»MSO	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
5A	CHECK	0.00	NA	0	0	0	0	0
6A»	AUTHORITY	0.23	LAA	9	99	96	96	98
	B BASAGRAN 4SL	1.00	LAA	12				
	C»ULTRA BLAZER	0.16	LAA	12				
	D POAST + 1EC	0.19	PMV	12				
	E 28% UAN	2.50	PMV	12				
7A»	CANOPY XL 56.3	0.088	LAA	0	95	93	93	95
	B»AUTHORITY	0.073	LAA	9				
	C CLASSIC 25WG	0.015	LAA	9				
	D»FLEXSTAR 1.88M	0.29	LAA	12				
	E FUSION	0.20	LAA	12				
	F»MSO	1.00	PMV	12				
	G 28% UAN	2.50	PMV	12				
8A»	CANOPY XL 56.3	0.088	LAA	0	98	98	98	98
	B»AUTHORITY	0.073	LAA	9				
	C CLASSIC 25WG	0.015	LAA	9				
	D ROUNDUP ULTRA	0.75	LAA	12				
	E AM. SULFATE	8.50	PMG	12				
9A	PROWL 3.3EC	1.24	LAA	9	99	99	99	99
	B»EXTREME 2.17L	0.813	LAA	12				
	C»ACTIVATOR 90	0.25	PMV	12				
	D AM. SULFATE	15.00	PMG	12				
10A	PROWL 3.3EC	1.24	LAA	9	93	99	99	99
	B PURSUIT DG (70	0.063	LAA	12				
	C»FLEXSTAR 1.88M	0.176	LAA	12				
	D»MSO	1.00	PMV	12				
	E AM. SULFATE	15.00	PMG	12				
11A	PROWL 3.3EC	1.24	LAA	9	99	99	99	99
	B»RAPTOR 1AS	0.032	LAA	12				
	C»FLEXSTAR 1.88M	0.176	LAA	12				
	D»MSO	1.00	PMV	12				
	E AM. SULFATE	15.00	PMG	12				
12A»	BOUNDARY 7.8L	2.43	LAA	9	80	82	83	92
	B»AUTHORITY	0.23	LAA	9				
13A»	BOUNDARY 7.8L	1.22	LAA	9	99	92	93	99
	B»TOUCHDN IQ 3AE	0.56	LAA	12				
	C AM. SULFATE	8.50	PMG	12				
14A»	VALOR 50WG	0.063	LAA	9	98	95	99	98
	B ROUNDUP ULTRA	0.56	LAA	12				
	C AM. SULFATE	8.50	PMG	12				
15A»	CANOPY XL 56.3	0.14	LAA	0	98	99	98	99
	B»AUTHORITY	0.117	LAA	9				
	C CLASSIC 25WG	0.023	LAA	9				
	D»TOUCHDN IQ 3AE	0.56	LAA	12				
	E AM. SULFATE	8.50	PMG	12				

TITLE: SWHSYS2 HERBICIDE SYSTEMS FOR WH CONTROL IN RRSOY II AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		SETFA	AMATA	ABUTH	CHEAL
		RATE	UNIT	TM 07/07/00	07/07/00	07/07/00	07/07/00
16A	PURSUIT DG (70	0.063	LAA 12	78	93	93	73
	B>>FLEXSTAR 1.88M	0.176	LAA 12				
	C>>MSO	1.00	PMV 12				
	D AM. SULFATE	15.00	PMG 12				
17A	>>RAPTOR 1AS	0.032	LAA 12	93	93	96	96
	B>>FLEXSTAR 1.88M	0.176	LAA 12				
	C>>MSO	1.00	PMV 12				
	D AM. SULFATE	15.00	PMG 12				
18A	>>TOUCHDN IQ 3AE	0.75	LAA 12	99	92	98	94
	B>>FLEXSTAR 1.88M	0.12	LAA 12				
	C AM. SULFATE	8.50	PMG 12				
LSD (0.05)				5.94	5.82	5.00	6.18
STANDARD DEVIATION				2.94	2.88	2.46	3.06

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/12/2000(1)
 12 = ----- / POST 06/12/2000(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA		06/22/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA		06/22/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA		06/22/2000	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH		06/22/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL		06/22/2000	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA		07/07/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA		07/07/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA		07/07/2000	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH		07/07/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL		07/07/2000	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 94B01RR