

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	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/10/99	06/03/99	06/08/99	AME
AIR TEMPERATURE	79	74	88	F
% REL.HUMIDITY	60	85	68	
WIND DIRECTION	SOUTHEAST	---	---	
WIND SPEED	7.0	0.0	0.0	M/H
CLOUD COVER	CLEAR	OVERCAST	CLEAR	
DEW	---	MOIST	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
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	---/13	
PIONEER 9363RR		4.00/4.00	6.00/6.00	IN
05/10/1999				
*** PEST ***				
VELVETLEAF		---/12	---/14	
		1.00/2.00	2.00/4.00	IN
WATERHEMP, COMMO		---/14	---/17	
		1.00/3.00	2.00/4.00	IN
LAMBSQUARTERS, C		---/14	---/18	
		1.00/2.00	2.00/4.00	IN
FOXTAIL, GIANT		---/13	---/14	
		1.00/3.00	2.00/4.00	IN
COCKLEBUR, COMMO		---/12	---/14	
		2.00/3.00	2.00/4.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 11 = ----- / EPOST
 12 = ----- / POST

* STAGE CODE

11 = FIRST LEAF UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: RRSZEN FLEXSTAR & TOUCHDOWN FOR WD CONTROL IN RRSOYS AS-400
CREATED: 05/09/1999 **REVISED:** 08/03/1999 **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 TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	GLXMA CON % 06/17/99	SETFA CON % 06/17/99	AMATA CON % 06/17/99	CHEAL CON % 06/17/99	ABUTH CON % 06/17/99	XANST CON % 06/17/99
1A»FLEXSTAR 1.88M	0.294	LAA 12	22	91	98	87	98	96
B FUSION	0.208	LAA 12						
C»MSO	1.00	PMV 12						
D 28% UAN	2.50	PMV 12						
2A»FLEXSTAR 1.88M	0.176	LAA 12	23	93	97	77	96	98
B FUSION	0.208	LAA 12						
C»FIRSTRATE 84WG	0.016	LAA 12						
D»MSO	1.00	PMV 12						
E 28% UAN	2.50	PMV 12						
3A»FLEXSTAR 1.88M	0.235	LAA 12	22	94	91	81	98	98
B FUSION	0.208	LAA 12						
C»FIRSTRATE 84WG	0.016	LAA 12						
D»MSO	1.00	PMV 12						
E 28% UAN	2.50	PMV 12						
4A»FLEXSTAR 1.88M	0.294	LAA 12	22	92	99	90	99	99
B FUSION	0.208	LAA 12						
C»FIRSTRATE 84WG	0.016	LAA 12						
D»MSO	1.00	PMV 12						
E 28% UAN	2.50	PMV 12						
5A»FLEXSTAR 1.88M	0.176	LAA 12	28	88	99	92	99	99
B PURSUIT DG (70	0.063	LAA 12						
C»MSO	1.00	PMV 12						
D 28% UAN	2.50	PMV 12						
6A CHECK	0.00	NA 0	0	0	0	0	0	0
7A»FLEXSTAR 1.88M	0.294	LAA 12	32	87	96	88	96	99
B FUSION	0.208	LAA 12						
C»FIRSTRATE 84WG	0.016	LAA 12						
D»SYNCHRONY STS	0.0066	LAA 12						
E»MSO	1.00	PMV 12						
F 28% UAN	2.50	PMV 12						
8A»TOUCHDOWN 5 (5	1.00	LAA 12	3	99	98	98	98	99
B AM. SULFATE	8.50	PMG 12						
9A»TOUCHDOWN 5 (5	1.00	LAA 12	23	99	99	99	99	99
B»FLEXSTAR 1.88M	0.12	LAA 12						
C AM. SULFATE	8.50	PMG 12						
10A»TOUCHDOWN 5 (5	1.00	LAA 12	22	99	99	99	99	99
B»FLEXSTAR 1.88M	0.176	LAA 12						
C AM. SULFATE	8.50	PMG 12						
11A»TOUCHDOWN 5 (5	1.00	LAA 12	3	99	98	96	95	99
B»FIRSTRATE 84WG	0.008	LAA 12						
C AM. SULFATE	8.50	PMG 12						
12A»TOUCHDOWN 5 (5	1.00	LAA 12	5	98	98	98	98	99
B»FIRSTRATE 84WG	0.016	LAA 12						
C AM. SULFATE	8.50	PMG 12						
13A»TOUCHDOWN 5 (5	1.00	LAA 12	0	98	99	98	98	99
B BASAGRAN 4SL	0.02	LAA 12						
C AM. SULFATE	8.50	PMG 12						
14A»TOUCHDOWN 5 (5	1.00	LAA 12	2	99	99	99	99	99
B FUSION	0.083	LAA 12						
C AM. SULFATE	8.50	PMG 12						
15A»CANOPY XL 56.3	0.14	LAA 0	3	99	99	99	99	99
B»AUTHORITY	0.023	LAA 9						
C CLASSIC 25WG	0.117	LAA 9						
D»TOUCHDOWN 5 (5	1.00	LAA 12						
E AM. SULFATE	8.50	PMG 12						

TITLE: RRSZEN FLEXSTAR & TOUCHDOWN FOR WD CONTROL IN RRSOYS AS-400

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	AMATA	CHEAL	ABUTH	XANST
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					06/17/99	06/17/99	06/17/99	06/17/99	06/17/99
16A	PROWL 3.3EC	1.25	LAA	9	15	82	83	92	96
	B PURSUIT DG (70	0.063	LAA	12					
	C»MSO	1.00	PMV	12					
	D 28% UAN	2.50	PMV	12					
17A»	RAPTOR 1AS	0.039	LAA	12	17	63	73	87	92
	B»MSO	1.00	PMV	12					
	C 28% UAN	2.50	PMV	12					
18A»	STEEL CP	0.973	LAA	9	0	72	75	87	80
	B PROWL 3.3EC	0.41	LAA	9					
19A	ROUNDUP ULTRA	0.75	LAA	12	5	99	98	98	96
	B AM. SULFATE	8.50	PMG	12					
20A	FUSION	0.21	LAA	11	23	99	99	90	99
	B»MSO	1.00	PMV	11					
	C»FLEXSTAR 1.88M	0.294	LAA	12					
	D»MSO	1.00	PMV	12					
	E 28% UAN	2.50	PMV	12					
21A	FUSION	0.21	LAA	11	25	99	99	94	99
	B»MSO	1.00	PMV	11					
	C REFLEX 2LC	0.294	LAA	12					
	D»MSO	1.00	PMV	12					
	E 28% UAN	2.50	PMV	12					
22A	FUSION	0.21	LAA	11	17	99	94	90	96
	B»MSO	1.00	PMV	11					
	C REFLEX 2LC	0.294	LAA	12					
	D»COC	1.00	PMV	12					
	E 28% UAN	2.50	PMV	12					
LSD (0.05)					7.72	9.64	7.38	9.55	5.55
STANDARD DEVIATION					3.86	4.82	3.69	4.77	2.78
									3.74
									1.87

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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 TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	GLXMA CON % 07/03/99	SETFA CON % 07/03/99	AMATA CON % 07/03/99	CHEAL CON % 07/03/99	ABUTH CON % 07/03/99	XANST CON % 07/03/99
1A»FLEXSTAR 1.88M	0.294	LAA 12	10	92	90	77	92	90
B FUSION	0.208	LAA 12						
C»MSO	1.00	PMV 12						
D 28% UAN	2.50	PMV 12						
2A»FLEXSTAR 1.88M	0.176	LAA 12	7	80	78	80	93	93
B FUSION	0.208	LAA 12						
C»FIRSTRATE 84WG	0.016	LAA 12						
D»MSO	1.00	PMV 12						
E 28% UAN	2.50	PMV 12						
3A»FLEXSTAR 1.88M	0.235	LAA 12	7	67	82	70	92	92
B FUSION	0.208	LAA 12						
C»FIRSTRATE 84WG	0.016	LAA 12						
D»MSO	1.00	PMV 12						
E 28% UAN	2.50	PMV 12						
4A»FLEXSTAR 1.88M	0.294	LAA 12	5	70	90	82	93	95
B FUSION	0.208	LAA 12						
C»FIRSTRATE 84WG	0.016	LAA 12						
D»MSO	1.00	PMV 12						
E 28% UAN	2.50	PMV 12						
5A»FLEXSTAR 1.88M	0.176	LAA 12	17	57	92	87	93	93
B PURSUIT DG (70	0.063	LAA 12						
C»MSO	1.00	PMV 12						
D 28% UAN	2.50	PMV 12						
6A CHECK	0.00	NA 0	0	0	0	0	0	0
7A»FLEXSTAR 1.88M	0.294	LAA 12	22	63	87	87	98	98
B FUSION	0.208	LAA 12						
C»FIRSTRATE 84WG	0.016	LAA 12						
D»SYNCHRONY STS	0.0066	LAA 12						
E»MSO	1.00	PMV 12						
F 28% UAN	2.50	PMV 12						
8A»TOUCHDOWN 5 (5	1.00	LAA 12	0	98	93	99	99	99
B AM. SULFATE	8.50	PMG 12						
9A»TOUCHDOWN 5 (5	1.00	LAA 12	12	99	95	98	98	99
B»FLEXSTAR 1.88M	0.12	LAA 12						
C AM. SULFATE	8.50	PMG 12						
10A»TOUCHDOWN 5 (5	1.00	LAA 12	3	99	90	98	96	99
B»FLEXSTAR 1.88M	0.176	LAA 12						
C AM. SULFATE	8.50	PMG 12						
11A»TOUCHDOWN 5 (5	1.00	LAA 12	0	99	96	98	99	99
B»FIRSTRATE 84WG	0.008	LAA 12						
C AM. SULFATE	8.50	PMG 12						
12A»TOUCHDOWN 5 (5	1.00	LAA 12	2	99	99	99	99	99
B»FIRSTRATE 84WG	0.016	LAA 12						
C AM. SULFATE	8.50	PMG 12						
13A»TOUCHDOWN 5 (5	1.00	LAA 12	0	98	95	99	99	99
B BASAGRAN 4SL	0.02	LAA 12						
C AM. SULFATE	8.50	PMG 12						
14A»TOUCHDOWN 5 (5	1.00	LAA 12	0	99	90	96	99	99
B FUSION	0.083	LAA 12						
C AM. SULFATE	8.50	PMG 12						
15A»CANOPY XL 56.3	0.14	LAA 0	0	99	98	99	98	99
B»AUTHORITY	0.023	LAA 9						
C CLASSIC 25WG	0.117	LAA 9						
D»TOUCHDOWN 5 (5	1.00	LAA 12						
E AM. SULFATE	8.50	PMG 12						

TITLE: RRSZEN FLEXSTAR & TOUCHDOWN FOR WD CONTROL IN RRSOYS AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/03/99	SETFA CON % 07/03/99	AMATA CON % 07/03/99	CHEAL CON % 07/03/99	ABUTH CON % 07/03/99	XANST CON % 07/03/99
16A	PROWL 3.3EC	1.25	LAA	9	3	96	57	95	99	99
	B PURSUIT DG (70	0.063	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
17A»	RAPTOR 1AS	0.039	LAA	12	12	95	50	96	98	98
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
18A»	STEEL CP	0.973	LAA	9	0	53	63	90	80	90
	B PROWL 3.3EC	0.41	LAA	9						
19A	ROUNDUP ULTRA	0.75	LAA	12	0	99	90	99	99	99
	B AM. SULFATE	8.50	PMG	12						
20A	FUSION	0.21	LAA	11	7	97	88	75	97	97
	B»MSO	1.00	PMV	11						
	C»FLEXSTAR 1.88M	0.294	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
21A	FUSION	0.21	LAA	11	3	97	93	80	96	99
	B»MSO	1.00	PMV	11						
	C REFLEX 2LC	0.294	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
22A	FUSION	0.21	LAA	11	3	95	73	67	83	90
	B»MSO	1.00	PMV	11						
	C REFLEX 2LC	0.294	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
LSD (0.05)					7.10	9.43	10.88	9.00	5.28	4.40
STANDARD DEVIATION					3.55	4.72	5.44	4.52	2.64	2.20

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/10/1999(1)

11 = ----- / EPOST 06/03/1999(2)

12 = ----- / POST 06/08/1999(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 %	06/17/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/17/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/17/1999	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/17/1999	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/17/1999	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	CON %	06/17/1999	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/03/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/03/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	07/03/1999	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/03/1999	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/03/1999	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	XANST	CON %	07/03/1999	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 9363RR