

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.2  
 %OM: 6.0  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	06	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/10/99	06/10/99	06/15/99	06/22/99	AME
AIR TEMPERATURE	72	83	71	73	F
% REL.HUMIDITY	60	68	45	84	
WIND DIRECTION	SOUTHEAST	SOUTH	NORTH	SOUTH	
WIND SPEED	8.0	7.0	3.0	2.0	M/H
CLOUD COVER	CLEAR	CLOUDY	PARTCLDY	PARTCLDY	
DEW	NO	NO	NO	NO	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	WET/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT					
DENSITY /					
*** CROP ***					
SOYBEAN		---/11	---/12	---/13	
PIONEER 92B71RR		2.00/3.00	3.00/3.00	4.00/4.00	IN
05/26/1999					
*** PEST ***					
VELVETLEAF		---/13	---/15	---/17	
		2.00/4.00	3.00/5.00	4.00/8.00	IN
RAGWEED, GIANT		---/18	---/19	---/19	
		8.00/12.0	12.0/16.0	18.0/30.0	IN
LAMBSQUARTERS, C		---/16	---/18	---/19	
		1.00/2.00	2.00/3.00	3.00/5.00	IN
FOXTAIL, GIANT		---/12	---/13	---/14	
		1.00/3.00	2.00/4.00	4.00/6.00	IN

\* TIMING CODES

06 = ----- / EPP 7 DBP  
 11 = ----- / EPOST  
 12 = ----- / POST  
 13 = ----- / LPOST

\* STAGE CODE

11 = FIRST LEAF UNFOLDED  
 12 = 2 LEAVES UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** RRSOYNT WEED MANAGEMENT IN NO-TILL SOYBEANS 1600  
**CREATED:** 04/23/1999 **REVISED:** 09/20/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** DEKALB **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 33.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	AMBTR	CHEAL	ABUTH	SETFA	GLXMA
		RATE	UNIT		CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 07/20/99
1A	ROUNDUP ULTRA	0.38	LAA	6	0	99	99	99	98	0
	B»2,4-D LVE	0.50	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.75	LAA	12						
	E AM. SULFATE	8.50	PMG	12						
2A	ROUNDUP ULTRA	0.38	LAA	6	0	99	99	99	98	0
	B»2,4-D LVE	0.50	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	11						
	E AM. SULFATE	8.50	PMG	11						
	F ROUNDUP ULTRA	0.56	LAA	13						
	G AM. SULFATE	8.50	PMG	13						
3A	PURSUIT +	0.94	LAA	6	0	85	99	98	96	0
	B ROUNDUP ULTRA	0.38	LAA	6						
	C PROWL 4EC	0.41	LAA	6						
	D»2,4-D LVE	0.50	LAA	6						
	E AM. SULFATE	8.50	PMG	6						
4A	PURSUIT +	0.94	LAA	6	0	95	99	99	98	0
	B ROUNDUP ULTRA	0.38	LAA	6						
	C PROWL 4EC	0.41	LAA	6						
	D»2,4-D LVE	0.50	LAA	6						
	E AM. SULFATE	8.50	PMG	6						
	F ROUNDUP ULTRA	0.56	LAA	12						
	G AM. SULFATE	8.50	PMG	12						
5A	PROWL 3.3EC	1.25	LAA	6	0	96	99	99	99	0
	B ROUNDUP ULTRA	0.38	LAA	6						
	C»2,4-D LVE	0.50	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E PURSUIT DG (70	0.063	LAA	11						
	F»SUNIT II	0.75	PMV	11						
	G 28% UAN	1.25	PMV	11						
6A	PROWL 3.3EC	1.25	LAA	6	0	93	99	99	96	0
	B ROUNDUP ULTRA	0.38	LAA	6						
	C»2,4-D LVE	0.50	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E»RAPTOR 1AS	0.032	LAA	11						
	F»SUNIT II	0.75	PMV	11						
	G 28% UAN	1.25	PMV	11						
7A	COMMAND 3ME	0.75	LAA	6	0	96	99	98	98	0
	B ROUNDUP ULTRA	0.38	LAA	6						
	C»2,4-D LVE	0.50	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E ROUNDUP ULTRA	0.56	LAA	12						
	F AM. SULFATE	8.50	PMG	12						
8A»	FIRSTRATE 84WG	0.039	LAA	6	0	96	99	99	96	0
	B»PYTHON 80WG	0.063	LAA	6						
	C ROUNDUP ULTRA	0.38	LAA	6						
	D»2,4-D LVE	0.50	LAA	6						
	E POAST + 1EC	0.188	LAA	12						
	F»COC	1.00	PMV	12						
9A»	FIRSTRATE 84WG	0.039	LAA	6	0	96	99	99	98	0
	B»PYTHON 80WG	0.063	LAA	6						
	C ROUNDUP ULTRA	0.38	LAA	6						
	D»2,4-D LVE	0.50	LAA	6						
	E ROUNDUP ULTRA	0.56	LAA	12						
	F AM. SULFATE	8.50	PMG	12						
10A»	FIRSTRATE 84WG	0.039	LAA	6	0	95	99	99	96	0
	B»AUTHORITY	0.20	LAA	6						
	C COMMAND 3ME	0.75	LAA	6						
	D ROUNDUP ULTRA	0.38	LAA	6						
	E»2,4-D LVE	0.50	LAA	6						
	F AM. SULFATE	8.50	PMG	6						

## TITLE: RRSOYNT WEED MANAGEMENT IN NO-TILL SOYBEANS 1600

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	AMBTR	CHEAL	ABUTH	SETFA	GLXMA
		RATE	UNIT	TM	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 06/30/99	CON % 07/20/99
11A	FIRSTRATE 84WG	0.039	LAA	6	0	95	99	99	98	0
	B»AUTHORITY	0.20	LAA	6						
	C ROUNDUP ULTRA	0.38	LAA	6						
	D»2,4-D LVE	0.50	LAA	6						
	E AM. SULFATE	8.50	PMG	6						
	F POAST + 1EC	0.188	LAA	12						
	G»COC	1.00	PMV	12						
12A	FIRSTRATE 84WG	0.039	LAA	6	0	98	99	99	99	0
	B»AUTHORITY	0.20	LAA	6						
	C ROUNDUP ULTRA	0.38	LAA	6						
	D»2,4-D LVE	0.50	LAA	6						
	E AM. SULFATE	8.50	PMG	6						
	F ROUNDUP ULTRA	0.56	LAA	12						
	G AM. SULFATE	8.50	PMG	12						
13A	SENCOR 75WG	0.188	LAA	6	0	95	99	99	98	0
	B ROUNDUP ULTRA	0.38	LAA	6						
	C»2,4-D LVE	0.50	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E ROUNDUP ULTRA	0.56	LAA	12						
	F AM. SULFATE	8.50	PMG	12						
14A	USA 1999 75DF	0.50	LAA	6	0	96	99	99	99	0
	B ROUNDUP ULTRA	0.38	LAA	6						
	C»2,4-D LVE	0.50	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E ROUNDUP ULTRA	0.56	LAA	12						
	F AM. SULFATE	8.50	PMG	12						
15A	USA 1999 75DF	0.50	LAA	6	0	98	99	98	99	0
	B»2,4-D LVE	0.50	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	12						
	E AM. SULFATE	8.50	PMG	12						
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A	CANOPY XL/AUTH	0.00	LAA	0	0	96	99	99	98	0
	B»AUTHORITY	0.188	LAA	6						
	C»SKIRMISH/CLASS	0.037	LAA	6						
	D»2,4-D LVE	0.50	LAA	6						
	E AM. SULFATE	8.50	PMG	6						
	F ROUNDUP ULTRA	0.56	LAA	12						
	G CLASSIC 25WG	0.005	LAA	12						
	H»ACTIVATE PLUS	0.25	PMV	12						
	I AM. SULFATE	8.50	PMG	12						
18A	CANOPY 75WG	0.094	LAA	6	0	95	99	99	99	0
	B»2,4-D LVE	0.50	LAA	6						
	C ROUNDUP ULTRA	0.38	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E ROUNDUP ULTRA	0.38	LAA	12						
	F CLASSIC 25WG	0.005	LAA	12						
	G»ACTIVATE PLUS	0.25	PMV	12						
	H AM. SULFATE	8.50	PMG	12						
		LSD (0.05)			0.00	7.67	0.00	1.56	3.17	0.00
		STANDARD DEVIATION			0.00	3.80	0.00	0.77	1.57	0.00

**TITLE:** RRSOYNT WEED MANAGEMENT IN NO-TILL SOYBEANS 1600  
**CREATED:** 04/23/1999 **REVISED:** 09/20/1999 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** DEKALB **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 33.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMBTR	CHEAL	ABUTH	SETFA	YIELD
		RATE	UNIT		CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	CON % 07/20/99	BU/A 10/12/99
1A	ROUNDUP ULTRA	0.38	LAA	6	96	99	99	88	52.8
	B»2,4-D LVE	0.50	LAA	6					
	C AM. SULFATE	8.50	PMG	6					
	D ROUNDUP ULTRA	0.75	LAA	12					
	E AM. SULFATE	8.50	PMG	12					
2A	ROUNDUP ULTRA	0.38	LAA	6	88	99	99	90	51.7
	B»2,4-D LVE	0.50	LAA	6					
	C AM. SULFATE	8.50	PMG	6					
	D ROUNDUP ULTRA	0.56	LAA	11					
	E AM. SULFATE	8.50	PMG	11					
	F ROUNDUP ULTRA	0.56	LAA	13					
	G AM. SULFATE	8.50	PMG	13					
3A	PURSUIT +	0.94	LAA	6	88	99	99	87	33.7
	B ROUNDUP ULTRA	0.38	LAA	6					
	C PROWL 4EC	0.41	LAA	6					
	D»2,4-D LVE	0.50	LAA	6					
	E AM. SULFATE	8.50	PMG	6					
4A	PURSUIT +	0.94	LAA	6	95	99	99	99	50.9
	B ROUNDUP ULTRA	0.38	LAA	6					
	C PROWL 4EC	0.41	LAA	6					
	D»2,4-D LVE	0.50	LAA	6					
	E AM. SULFATE	8.50	PMG	6					
	F ROUNDUP ULTRA	0.56	LAA	12					
	G AM. SULFATE	8.50	PMG	12					
5A	PROWL 3.3EC	1.25	LAA	6	92	99	99	99	45.7
	B ROUNDUP ULTRA	0.38	LAA	6					
	C»2,4-D LVE	0.50	LAA	6					
	D AM. SULFATE	8.50	PMG	6					
	E PURSUIT DG (70	0.063	LAA	11					
	F»SUNIT II	0.75	PMV	11					
	G 28% UAN	1.25	PMV	11					
6A	PROWL 3.3EC	1.25	LAA	6	98	99	99	99	37.3
	B ROUNDUP ULTRA	0.38	LAA	6					
	C»2,4-D LVE	0.50	LAA	6					
	D AM. SULFATE	8.50	PMG	6					
	E»RAPTOR 1AS	0.032	LAA	11					
	F»SUNIT II	0.75	PMV	11					
	G 28% UAN	1.25	PMV	11					
7A	COMMAND 3ME	0.75	LAA	6	93	99	99	93	47.0
	B ROUNDUP ULTRA	0.38	LAA	6					
	C»2,4-D LVE	0.50	LAA	6					
	D AM. SULFATE	8.50	PMG	6					
	E ROUNDUP ULTRA	0.56	LAA	12					
	F AM. SULFATE	8.50	PMG	12					
8A»	FIRSTRATE 84WG	0.039	LAA	6	88	99	99	99	54.7
	B»PYTHON 80WG	0.063	LAA	6					
	C ROUNDUP ULTRA	0.38	LAA	6					
	D»2,4-D LVE	0.50	LAA	6					
	E POAST + 1EC	0.188	LAA	12					
	F»COC	1.00	PMV	12					
9A»	FIRSTRATE 84WG	0.039	LAA	6	93	99	99	99	53.1
	B»PYTHON 80WG	0.063	LAA	6					
	C ROUNDUP ULTRA	0.38	LAA	6					
	D»2,4-D LVE	0.50	LAA	6					
	E ROUNDUP ULTRA	0.56	LAA	12					
	F AM. SULFATE	8.50	PMG	12					
10A»	FIRSTRATE 84WG	0.039	LAA	6	99	99	99	92	41.2
	B»AUTHORITY	0.20	LAA	6					
	C COMMAND 3ME	0.75	LAA	6					
	D ROUNDUP ULTRA	0.38	LAA	6					
	E»2,4-D LVE	0.50	LAA	6					
	F AM. SULFATE	8.50	PMG	6					

TITLE: RRSOYNT WEED MANAGEMENT IN NO-TILL SOYBEANS 1600

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	DOSAGE UNIT	TM	AMBTR CON % 07/20/99	CHEAL CON % 07/20/99	ABUTH CON % 07/20/99	SETFA CON % 07/20/99	YIELD BU/A 10/12/99
11A	FIRSTRATE 84WG	0.039	LAA	6	99	99	99	92	51.7
	B»AUTHORITY	0.20	LAA	6					
	C ROUNDUP ULTRA	0.38	LAA	6					
	D»2,4-D LVE	0.50	LAA	6					
	E AM. SULFATE	8.50	PMG	6					
	F POAST + 1EC	0.188	LAA	12					
	G»COC	1.00	PMV	12					
12A	FIRSTRATE 84WG	0.039	LAA	6	99	99	99	93	50.8
	B»AUTHORITY	0.20	LAA	6					
	C ROUNDUP ULTRA	0.38	LAA	6					
	D»2,4-D LVE	0.50	LAA	6					
	E AM. SULFATE	8.50	PMG	6					
	F ROUNDUP ULTRA	0.56	LAA	12					
	G AM. SULFATE	8.50	PMG	12					
13A	SENCOR 75WG	0.188	LAA	6	99	99	99	99	49.2
	B ROUNDUP ULTRA	0.38	LAA	6					
	C»2,4-D LVE	0.50	LAA	6					
	D AM. SULFATE	8.50	PMG	6					
	E ROUNDUP ULTRA	0.56	LAA	12					
	F AM. SULFATE	8.50	PMG	12					
14A	USA 1999 75DF	0.50	LAA	6	99	99	99	99	44.9
	B ROUNDUP ULTRA	0.38	LAA	6					
	C»2,4-D LVE	0.50	LAA	6					
	D AM. SULFATE	8.50	PMG	6					
	E ROUNDUP ULTRA	0.56	LAA	12					
	F AM. SULFATE	8.50	PMG	12					
15A	USA 1999 75DF	0.50	LAA	6	99	99	99	96	51.4
	B»2,4-D LVE	0.50	LAA	6					
	C AM. SULFATE	8.50	PMG	6					
	D ROUNDUP ULTRA	0.56	LAA	12					
	E AM. SULFATE	8.50	PMG	12					
16A	CHECK	0.00	NA	0	0	0	0	0	14.1
17A	CANOPY XL/AUTH	0.00	LAA	0	93	99	99	87	52.6
	B»AUTHORITY	0.188	LAA	6					
	C»SKIRMISH/CLASS	0.037	LAA	6					
	D»2,4-D LVE	0.50	LAA	6					
	E AM. SULFATE	8.50	PMG	6					
	F ROUNDUP ULTRA	0.56	LAA	12					
	G CLASSIC 25WG	0.005	LAA	12					
	H»ACTIVATE PLUS	0.25	PMV	12					
	I AM. SULFATE	8.50	PMG	12					
18A	CANOPY 75WG	0.094	LAA	6	93	99	99	98	54.8
	B»2,4-D LVE	0.50	LAA	6					
	C ROUNDUP ULTRA	0.38	LAA	6					
	D AM. SULFATE	8.50	PMG	6					
	E ROUNDUP ULTRA	0.38	LAA	12					
	F CLASSIC 25WG	0.005	LAA	12					
	G»ACTIVATE PLUS	0.25	PMV	12					
	H AM. SULFATE	8.50	PMG	12					
		LSD (0.05)			3.45	0.00	0.00	3.11	9.42
		STANDARD DEVIATION			1.71	0.00	0.00	1.54	4.66

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 06 = ----- / EPP 7 DBP 05/10/1999 (1)
- 11 = ----- / EPOST 06/10/1999 (2)
- 12 = ----- / POST 06/15/1999 (3)
- 13 = ----- / LPOST 06/22/1999 (4)

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 %	06/30/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## TITLE: RRSOYNT WEED MANAGEMENT IN NO-TILL SOYBEANS 1600

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
002	AMBTR	CON %	06/30/1999	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/30/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/30/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	SETFA	CON %	06/30/1999	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/20/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMBTR	CON %	07/20/1999	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	07/20/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	07/20/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/20/1999	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	YIELD	BU/A	10/12/1999	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 92B71RR