

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIX  
PH: 6.2  
%OM: 6.0  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: 30  
PLOT WIDTH: 10 X 33 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/20/03	06/16/03	06/23/03	07/02/03	AME
AIR TEMPERATURE	60	81	89	88	F
% REL. HUMIDITY	61	36	31	47	
WIND DIRECTION	NORTHWEST	SOUTHWEST	SOUTHWEST	WEST	
WIND SPEED	11.0	6.0	9.0	3.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	CLEAR	PARTCLDY	
DEW	NO	NO	NO	NO	
SOIL MOISTURE	WET/WET	DRY/MOIST	DRY/MOIST	DRY/DRY	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	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 /					
*** PEST ***					
RAGWEED, GIANT		HGH/14 3.00/3.00	HGH/16 6.00/6.00	HGH/19 14.0/14.0	IN
SOYBEAN		---/13	---/14	---/17	
ASGROW 2703 RR		4.00/4.00	7.00/7.00	6.00/6.00	IN
05/18/2003					

## \* TIMING CODES

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

## \* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Effect of application timing on giant ragweed control systems in soybean SW-1600

CREATED: 04/17/2003 REVISED: 11/12/2003

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Dekalb

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 33.00 FT LONG

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMBTR	AMBTR	AMBTR	GLXMA
		RATE	UNIT	TM	CON % 06/23/03	CON % 07/16/03	CON % 08/04/03	BU/ACRE 10/04/03
1A»	FIRSTRATE 84WG	0.032	LAA	9	65	0	0	10.1
B»	BOUNDARY 6.5EC	2.19	LAA	9				
2A»	FIRSTRATE 84WG	0.032	LAA	9	67	0	0	10.7
B	COMMAND 3ME	0.75	LAA	9				
3A»	WEATHERMAX 4.5	0.75	LAA	11		71	67	50.4
B»	LIQUID AMS	2.50	PMV	11				
4A	COBRA 2EC	0.188	LAA	11		50	7	13.7
B	SELECT (2EC)	0.125	LAA	11				
C»	COC	1.00	PMV	11				
D	28% UAN	2.50	PMV	11				
5A»	FIRSTRATE 84WG	0.016	LAA	11		79	70	41.2
B»	RAPTOR 1AS	0.039	LAA	11				
C»	MISO	1.00	PMV	11				
D	28% UAN	2.50	PMV	11				
6A	CHECK	0.00	NA	0	0	0	0	5.9
7A»	WEATHERMAX 4.5	0.75	LAA	12		90	83	43.3
B»	LIQUID AMS	2.50	PMV	12				
8A	COBRA 2EC	0.188	LAA	12		68	58	26.8
B	SELECT (2EC)	0.125	LAA	12				
C»	COC	1.00	PMV	12				
D	28% UAN	2.50	PMV	12				
9A»	FIRSTRATE 84WG	0.016	LAA	12		93	80	43.8
B»	RAPTOR 1AS	0.039	LAA	12				
C»	MISO	1.00	PMV	12				
D	28% UAN	2.50	PMV	12				
10A»	WEATHERMAX 4.5	0.75	LAA	13		82	90	38.6
B»	LIQUID AMS	2.50	PMV	13				
11A	COBRA 2EC	0.188	LAA	13		67	55	23.9
B	SELECT (2EC)	0.125	LAA	13				
C»	COC	1.00	PMV	13				
D	28% UAN	2.50	PMV	13				
12A»	FIRSTRATE 84WG	0.016	LAA	13		88	96	25.8
B»	RAPTOR 1AS	0.039	LAA	13				
C»	MISO	1.00	PMV	13				
D	28% UAN	2.50	PMV	13				
13A»	FIRSTRATE 84WG	0.032	LAA	9	72	94	96	46.9
B»	WEATHERMAX 4.5	0.75	LAA	12				
C»	LIQUID AMS	2.50	PMV	12				
14A»	FIRSTRATE 84WG	0.032	LAA	9	70	77	67	34.3
B	COBRA 2EC	0.188	LAA	12				
C	SELECT (2EC)	0.125	LAA	12				
D»	COC	1.00	PMV	12				
E	28% UAN	2.50	PMV	12				
15A»	FIRSTRATE 84WG	0.032	LAA	9		89	98	45.0
B»	WEATHERMAX 4.5	0.75	LAA	13				
C»	LIQUID AMS	2.50	PMV	13				
16A»	FIRSTRATE 84WG	0.032	LAA	9		72	65	36.3
B	COBRA 2EC	0.188	LAA	13				
C	SELECT (2EC)	0.125	LAA	13				
D»	COC	1.00	PMV	13				
E	28% UAN	2.50	PMV	13				

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TRT	TREATMENT	DOSAGE	AMBTR	AMBTR	AMBTR	GLXMA
NUM	COMPONENT	RATE	CON %	CON %	CON %	BU/ACRE
		UNIT	06/23/03	07/16/03	08/04/03	10/04/03
17A	WEATHERMAX 4.5	0.75	LAA 11	98	98	43.6
	B»LIQUID AMS	2.50	PMV 11			
	C»WEATHERMAX 4.5	0.75	LAA 13			
	D»LIQUID AMS	2.50	PMV 13			
18A	COBRA 2EC	0.188	LAA 11	96	94	45.1
	B SELECT (2EC)	0.125	LAA 11			
	C»COC	1.00	PMV 11			
	D 28% UAN	2.50	PMV 11			
	E COBRA 2EC	0.188	LAA 13			
	F»COC	1.00	PMV 13			
	G 28% UAN	2.50	PMV 13			
		LSD (0.05)	5.08	6.38	8.28	17.46
		STANDARD DEVIATION	2.51	3.16	4.10	8.64

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/20/2003(1)  
 11 = ----- / EPOST 06/16/2003(2)  
 12 = ----- / POST 06/23/2003(3)  
 13 = ----- / LPOST 07/02/2003(4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
003	AMBTR	CON %	06/23/2003	02	P	AMBTR	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
001	AMBTR	CON %	07/16/2003	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMBTR	CON %	08/04/2003	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	GLXMA	BU/ACRE	10/04/2003	01	P	GLXMA		RAW	ALL	YLD	BU	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 2703 RR

\* STAGE CODE

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED