

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: 0
PLOT WIDTH: 10 X 33 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	13	15	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/12/04	06/03/04	06/23/04	07/08/04	AME
AIR TEMPERATURE	77	75	73	74	F
% REL.HUMIDITY	65	55	66	76	
WIND DIRECTION	SOUTH	SOUTHWEST	SOUTHWEST	NORTHWEST	
WIND SPEED	12.0	5.0	8.0	4.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	CLEAR	CLEAR	
DEW	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
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	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	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
SOYBEAN		---/13	---/16	---/18	
ASGROW 4403		5.00/5.00	10.0/10.0	16.0/16.0	IN
05/11/2004					
*** PEST ***					
WATERHEMP, COMMO		---/15	---/19	---/19	
		1.00/3.00	4.00/6.00	4.00/10.0	IN
RAGWEED, COMMON		---/12	---/15	---/17	
		2.00/4.00	3.00/6.00	4.00/10.0	IN
SMARTWEED, PENNS		---/17	---/19	---/19	
		2.00/4.00	4.00/6.00	4.00/10.0	IN
FOXTAIL, GIANT		---/12	---/14	---/15	
		2.00/4.00	4.00/6.00	4.00/8.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
11 = ----- / EPOST
13 = ----- / LPOST
15 = ----- / PO.DIRECTED

* STAGE CODE

12 = 2 LEAVES UNFOLDED
13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH LEAF (6TH TRIFOLIATE LEAF) UNFOLDED, 7 NODES
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: BT Waterhemp Competition and Control in Soybean
CREATED: 05/12/2004 **REVISED:** 12/06/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: BROWNSTOWN 800 **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		TM	GLXMA	SETFA	AMBEL	POLPY	AMATA	GLXMA
		RATE	UNIT		CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 07/15/04
1A	COMMAND 3ME	1.00	LAA	9	2	99	99	99	99	0
	B»GANGSTER (CO-P	0.00	NA	0						
	C»VALOR SX 51WDG	0.094	LAA	9						
	D»FIRSTRATE 84WG	0.032	LAA	9						
2A»	BOUNDARY 6.5EC	1.63	LAA	9	0	99	93	97	99	0
3A	PURSUIT +	0.91	LAA	9	2	99	98	96	98	0
	B»AUTHORITY	0.188	LAA	9						
4A»	PENDIMAX 3.3L	1.24	LAA	9	0	99	99	99	98	0
	B»FIRSTRATE 84WG	0.016	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
	E SELECT (2EC)	0.094	LAA	11						
	F COBRA 2EC	0.094	LAA	11						
5A»	PENDIMAX 3.3L	1.24	LAA	9	13	99	99	99	99	0
	B SELECT (2EC)	0.094	LAA	11						
	C COBRA 2EC	0.094	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
	F»GANGSTER (CO-P	0.00	NA	0						
	G»VALOR SX 51WDG	0.094	LAA	9						
	H»FIRSTRATE 84WG	0.032	LAA	9						
6A»	PROWL H20 3.8C	1.19	LAA	9	8	98	98	98	99	0
	B»RAPTOR 1AS	0.031	LAA	11						
	C»FLEXSTAR 1.88M	0.176	LAA	11						
	D»MSO	1.00	PMV	11						
	E»LIQUID AMS	3.67	PMV	11						
7A»	INTRRO 4EC	1.00	LAA	9	0	73	60	72	88	0
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
8A»	CANOPY XL 56.3	0.141	LAA	0	0	65	90	90	78	0
	B»AUTHORITY	0.0117	LAA	9						
	C CLASSIC 25WG	0.024	LAA	9						
	D»WEATHERMAX 4.5	0.75	LAA	13						
	E»LIQUID AMS	2.50	PMV	13						
9A»	PENDIMAX 3.3L	0.83	LAA	9	8	90	97	95	99	0
	B»MANA-MET 75DF	0.50	LAA	9						
	C»BUCCANEER 3 AE	0.56	LAA	13						
	D»ACTIVATOR 90	0.25	PMV	13						
	E»LIQUID AMS	2.50	PMV	13						
10A»	PROWL H20 3.8C	1.19	LAA	9	0	87	82	92	95	0
	B»EXTREME 2.17L	0.81	LAA	13						
	C»ACTIVATOR 90	0.125	PMV	13						
	D»LIQUID AMS	3.67	PMV	13						
11A»	BOUNDARY 6.5EC	0.81	LAA	9	0	97	93	98	99	0
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
12A»	BOUNDARY 6.5EC	1.22	LAA	9	0	99	95	95	99	0
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
13A»	BOUNDARY 6.5EC	1.22	LAA	9	0	96	96	95	99	0
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
	D»WARRIOR 1 CS	3.20	ZMA	15						
	E»QUADRI 2.08L	6.20	ZMA	15						

TITLE: BT Waterhemp Competition and Control in Soybean

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMBEL	POLPY	AMATA	GLXMA
		RATE	UNIT	TM	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 06/14/04	CON % 07/15/04
14A	»BOUNDARY 6.5EC	1.63	LAA	9	0	98	96	96	94	0
	B»FLEXSTAR 1.88M	0.294	LAA	13						
	C»MSO	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
15A	»BOUNDARY 6.5EC	1.63	LAA	9	0	99	95	98	99	0
	B»FLEXSTAR 1.88M	0.294	LAA	13						
	C FUSION	0.21	LAA	13						
	D»MSO	1.00	PMV	13						
	E 28% UAN	2.50	PMV	13						
16A	»V-10148 50WG	0.075	LAA	9	2	92	99	99	99	0
	B»V-10149 25WG	0.025	LAA	9						
	C»WEATHERMAX 4.5	0.75	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
17A	»WEATHERMAX 4.5	0.75	LAA	13	0					0
	B»LIQUID AMS	2.50	PMV	13						
18A	»WEATHERMAX 4.5	0.75	LAA	11	0	97	99	99	93	0
	B»LIQUID AMS	2.50	PMV	11						
	C»WEATHERMAX 4.5	0.56	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
19A	CHECK	0.00	NA	0	0	0	0	0	0	0
20A	»TOUCHDN TOTAL	0.75	LAA	13	0					0
	B»LIQUID AMS	2.50	PMV	13						
21A	»TOUCHDN TOTAL	0.75	LAA	11	0	90	96	98	88	0
	B»LIQUID AMS	2.50	PMV	11						
	C»TOUCHDN TOTAL	0.56	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
22A	»GANGSTER (CO-P	0.00	NA	0	0	87	98	98	95	0
	B»VALOR SX 51WDG	0.047	LAA	9						
	C»FIRSTRATE 84WG	0.016	LAA	9						
	D»GF-1279 4LB AE	0.75	LAA	13						
	E»LIQUID AMS	2.50	PMV	13						
23A	»GF-1279 4LB AE	0.75	LAA	13	0					0
	B»FIRSTRATE 84WG	0.016	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
24A	»GF-1279 4LB AE	0.75	LAA	13	0					0
	B»LIQUID AMS	2.50	PMV	13						
		LSD (0.05)			5.87	4.79	9.64	8.89	4.68	0.00
		STANDARD DEVIATION			2.93	2.37	4.77	4.40	2.32	0.00

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PROJECT TYPE: HERBICIDE
LOCATION: BROWNSTOWN 800 **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		TM	SETFA	AMBEL	POLPY	AMATA
		RATE	UNIT		CON % 07/15/04	CON % 07/15/04	CON % 07/15/04	CON % 07/15/04
1A	COMMAND 3ME	1.00	LAA	9	98	99	99	96
	B»GANGSTER (CO-P	0.00	NA	0				
	C»VALOR SX 51WDG	0.094	LAA	9				
	D»FIRSTRATE 84WG	0.032	LAA	9				
2A»	BOUNDARY 6.5EC	1.63	LAA	9	95	70	99	95
3A	PURSUIT +	0.91	LAA	9	96	93	98	96
	B»AUTHORITY	0.188	LAA	9				
4A»	PENDIMAX 3.3L	1.24	LAA	9	96	93	99	96
	B»FIRSTRATE 84WG	0.016	LAA	11				
	C»COC	1.00	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				
	E SELECT (2EC)	0.094	LAA	11				
	F COBRA 2EC	0.094	LAA	11				
5A»	PENDIMAX 3.3L	1.24	LAA	9	93	99	99	99
	B SELECT (2EC)	0.094	LAA	11				
	C COBRA 2EC	0.094	LAA	11				
	D»COC	1.00	PMV	11				
	E»LIQUID AMS	2.50	PMV	11				
	F»GANGSTER (CO-P	0.00	NA	0				
	G»VALOR SX 51WDG	0.094	LAA	9				
	H»FIRSTRATE 84WG	0.032	LAA	9				
6A»	PROWL H20 3.8C	1.19	LAA	9	93	96	99	96
	B»RAPTOR 1AS	0.031	LAA	11				
	C»FLEXSTAR 1.88M	0.176	LAA	11				
	D»MSO	1.00	PMV	11				
	E»LIQUID AMS	3.67	PMV	11				
7A»	INTRRO 4EC	1.00	LAA	9	99	96	99	99
	B»TOUCHDN TOTAL	0.75	LAA	13				
	C»LIQUID AMS	2.50	PMV	13				
8A»	CANOPY XL 56.3	0.141	LAA	0	99	98	99	99
	B»AUTHORITY	0.0117	LAA	9				
	C CLASSIC 25WG	0.024	LAA	9				
	D»WEATHERMAX 4.5	0.75	LAA	13				
	E»LIQUID AMS	2.50	PMV	13				
9A»	PENDIMAX 3.3L	0.83	LAA	9	99	99	99	99
	B»MANA-MET 75DF	0.50	LAA	9				
	C»BUCCANEER 3 AE	0.56	LAA	13				
	D»ACTIVATOR 90	0.25	PMV	13				
	E»LIQUID AMS	2.50	PMV	13				
10A»	PROWL H20 3.8C	1.19	LAA	9	99	91	99	99
	B»EXTREME 2.17L	0.81	LAA	13				
	C»ACTIVATOR 90	0.125	PMV	13				
	D»LIQUID AMS	3.67	PMV	13				
11A»	BOUNDARY 6.5EC	0.81	LAA	9	99	99	99	99
	B»TOUCHDN TOTAL	0.75	LAA	13				
	C»LIQUID AMS	2.50	PMV	13				
12A»	BOUNDARY 6.5EC	1.22	LAA	9	99	99	99	99
	B»TOUCHDN TOTAL	0.75	LAA	13				
	C»LIQUID AMS	2.50	PMV	13				
13A»	BOUNDARY 6.5EC	1.22	LAA	9	99	99	99	99
	B»TOUCHDN TOTAL	0.75	LAA	13				
	C»LIQUID AMS	2.50	PMV	13				
	D»WARRIOR 1 CS	3.20	ZMA	15				
	E»QUADRI 2.08L	6.20	ZMA	15				

TITLE: BT Waterhemp Competition and Control in Soybean

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMBEL	POLPY	AMATA	
		RATE	UNIT		CON % 07/15/04	CON % 07/15/04	CON % 07/15/04	CON % 07/15/04	
14A	BOUNDARY 6.5EC	1.63	LAA	9	98	99	99	99	
	B>FLEXSTAR 1.88M	0.294	LAA	13					
	C>MSO	1.00	PMV	13					
	D 28% UAN	2.50	PMV	13					
15A	BOUNDARY 6.5EC	1.63	LAA	9	99	99	99	99	
	B>FLEXSTAR 1.88M	0.294	LAA	13					
	C FUSION	0.21	LAA	13					
	D>MSO	1.00	PMV	13					
	E 28% UAN	2.50	PMV	13					
16A	V-10148 50WG	0.075	LAA	9	99	96	99	99	
	B>V-10149 25WG	0.025	LAA	9					
	C>WEATHERMAX 4.5	0.75	LAA	13					
	D>LIQUID AMS	2.50	PMV	13					
17A	WEATHERMAX 4.5	0.75	LAA	13	99	96	99	99	
	B>LIQUID AMS	2.50	PMV	13					
18A	WEATHERMAX 4.5	0.75	LAA	11	99	99	99	99	
	B>LIQUID AMS	2.50	PMV	11					
	C>WEATHERMAX 4.5	0.56	LAA	13					
	D>LIQUID AMS	2.50	PMV	13					
19A	CHECK	0.00	NA	0	99	99	99	99	
20A	TOUCHDN TOTAL	0.75	LAA	13	99	96	99	99	
	B>LIQUID AMS	2.50	PMV	13					
21A	TOUCHDN TOTAL	0.75	LAA	11	99	99	99	99	
	B>LIQUID AMS	2.50	PMV	11					
	C>TOUCHDN TOTAL	0.56	LAA	13					
	D>LIQUID AMS	2.50	PMV	13					
22A	GANGSTER (CO-P	0.00	NA	0	99	99	99	99	
	B>VALOR SX 51WDG	0.047	LAA	9					
	C>FIRSTRATE 84WG	0.016	LAA	9					
	D>GF-1279 4LB AE	0.75	LAA	13					
	E>LIQUID AMS	2.50	PMV	13					
23A	GF-1279 4LB AE	0.75	LAA	13	99	99	99	99	
	B>FIRSTRATE 84WG	0.016	LAA	13					
	C>LIQUID AMS	2.50	PMV	13					
24A	GF-1279 4LB AE	0.75	LAA	13	99	90	99	99	
	B>LIQUID AMS	2.50	PMV	13					
					LSD (0.05)	3.69	7.71	0.77	3.22
					STANDARD DEVIATION	1.85	3.85	0.385	1.61

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/12/2004(1)
- 11 = ----- / EPOST 06/03/2004(2)
- 13 = ----- / LPOST 06/23/2004(3)
- 15 = ----- / PO.DIRECTED 07/08/2004(4)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	GLXMA	CON %	06/14/2004	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/14/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	06/14/2004	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	06/14/2004	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	06/14/2004	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/15/2004	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/15/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBEL	CON %	07/15/2004	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	POLPY	CON %	07/15/2004	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/15/2004	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)
01 = ASGROW 4403