

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.3
 %OM: 2.4
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 75
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06/04/02	06/28/02	07/01/02	07/08/02	AME
AIR TEMPERATURE	86	87	78	86	F
% REL.HUMIDITY	48	52	82	60	
WIND DIRECTION	SOUTHWEST	SOUTH	SOUTH	SOUTH	
WIND SPEED	9.0	2.0	1.0	1.0	M/H
CLOUD COVER	OVERCAST	CLEAR	CLEAR	CLEAR	
DEW	DRY	MOIST	MOIST	DRY	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	COMPACT	COMPACT	COMPACT	COMPACT	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
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 /					
*** CROP ***					
SOYBEAN		---/15	---/16	---/17	
ASGROW 3701RR		8.00/8.00	10.0/10.0	16.0/16.0	IN
06/03/2002					
*** PEST ***					
WATERHEMP, COMMO		HGH/16	HGH/18	HGH/19	
		2.00/4.00	4.00/6.00	12.0/16.0	IN

* TIMING CODES

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

* STAGE CODE

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

DATA MEAN

TITLE: Waterhemp Resistance Study in Soybean - Altamont
CREATED: 05/09/2002 **REVISED:** 11/14/2002 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Altamont **RESEARCHED BY:** UNIV. OF IL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	GLXMA	AMATA	AMATA
		RATE	UNIT		CON % 07/25/02	CON % 08/07/02	CON % 07/25/02	CON % 08/07/02
1A	AUTHORITY	0.25	LAA	9	0	0	86	84
2A	BOUNDARY 6.5EC	1.46	LAA	9	0	0	52	53
3A	PROWL 3.3EC	1.24	LAA	9	0	0	23	17
4A	DUAL II MAGNUM	1.91	LAA	9	0	0	68	63
5A	AUTHORITY	0.25	LAA	9	0	0	99	99
	B>TOUCHDOWN 3L	0.75	LAA	13				
	C>LIQUID AMS	5.00	PMV	13				
6A	BOUNDARY 6.5EC	1.22	LAA	9	0	0	98	98
	B>TOUCHDOWN 3L	0.75	LAA	13				
	C>LIQUID AMS	5.00	PMV	13				
7A	BOUNDARY 6.5EC	1.46	LAA	9	0	0	99	99
	B>TOUCHDOWN 3L	0.75	LAA	13				
	C>LIQUID AMS	5.00	PMV	13				
8A	PROWL 3.3EC	1.24	LAA	9	0	0	99	99
	B>TOUCHDOWN 3L	0.75	LAA	13				
	C>LIQUID AMS	5.00	PMV	13				
9A	DUAL II MAGNUM	1.91	LAA	9	0	0	99	99
	B>TOUCHDOWN 3L	0.75	LAA	13				
	C>LIQUID AMS	5.00	PMV	13				
10A	DUAL II MAGNUM	1.43	LAA	9	0	0	99	99
	B>AUTHORITY	0.188	LAA	9				
	C>TOUCHDOWN 3L	0.75	LAA	13				
	D>LIQUID AMS	5.00	PMV	13				
11A	DUAL II MAGNUM	1.43	LAA	9	0	0	99	99
	B>CANOPY XL 56.3	0.088	LAA	0				
	C CLASSIC 25WG	0.015	LAA	9				
	D>AUTHORITY	0.073	LAA	9				
	E>TOUCHDOWN 3L	0.75	LAA	13				
	F>LIQUID AMS	5.00	PMV	13				
12A	BOUNDARY 6.5EC	1.22	LAA	9	0	0	98	98
	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				
13A	AUTHORITY	0.25	LAA	9	0	0	99	99
	B>FLEXSTAR 1.88M	0.294	LAA	13				
	C>MSO	1.00	PMV	13				
	D 28% UAN	2.50	PMV	13				
14A	CHECK	0.00	NA	0	0	0	0	0
15A	FLEXSTAR 1.88M	0.294	LAA	11	0	0	80	70
	B>MSO	1.00	PMV	11				
	C 28% UAN	2.50	PMV	11				
16A	TOUCHDOWN 3L	0.75	LAA	11	0	0	67	62
	B>LIQUID AMS	5.00	PMV	11				
17A	TOUCHDOWN 3L	0.75	LAA	11	0	0	82	77
	B>FLEXSTAR 1.88M	0.176	LAA	11				
	C>LIQUID AMS	5.00	PMV	11				
18A	RNDUP ULTRA MA	0.75	LAA	11	0	0	65	59
	B>LIQUID AMS	5.00	PMV	11				

DATA MEAN

TITLE: Waterhemp Resistance Study in Soybean - Altamont

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	GLXMA	AMATA	AMATA
		RATE	UNIT		CON % 07/25/02	CON % 08/07/02	CON % 07/25/02	CON % 08/07/02
19A	CLEAROUT 41 PL	0.75	LAA	11	0	0	76	72
	B»LIQUID AMS	5.00	PMV	11				
20A	TOUCHDOWN 3L	0.75	LAA	12	0	0	79	73
	B»LIQUID AMS	5.00	PMV	12				
21A	RNDUP ULTRA MA	0.75	LAA	12	0	0	78	72
	B»LIQUID AMS	5.00	PMV	12				
22A	CLEAROUT 41 PL	0.75	LAA	12	0	0	82	77
	B»LIQUID AMS	5.00	PMV	12				
23A	TOUCHDOWN 3L	0.75	LAA	13	0	0	96	95
	B»LIQUID AMS	5.00	PMV	13				
24A	RNDUP ULTRA MA	0.75	LAA	13	0	0	98	97
	B»LIQUID AMS	5.00	PMV	13				
25A	TOUCHDOWN 3L	1.13	LAA	13	0	0	98	98
	B»LIQUID AMS	5.00	PMV	13				
26A	RNDUP ULTRA MA	1.13	LAA	13	0	0	99	97
	B»LIQUID AMS	5.00	PMV	13				
27A	TOUCHDOWN 3L	0.75	LAA	11	0	0	99	99
	B»LIQUID AMS	5.00	PMV	11				
	C»TOUCHDOWN 3L	0.75	LAA	13				
	D»LIQUID AMS	5.00	PMV	13				
28A	RNDUP ULTRA MA	0.75	LAA	11	0	0	99	99
	B»LIQUID AMS	5.00	PMV	11				
	C»RNDUP ULTRA MA	0.75	LAA	13				
	D»LIQUID AMS	5.00	PMV	13				
LSD (0.05)					0.00	0.00	8.00	9.93
STANDARD DEVIATION					0.00	0.00	4.00	5.00

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 06/04/2002 (1)
- 11 = ----- / EPOST 06/28/2002 (2)
- 12 = ----- / POST 07/01/2002 (3)
- 13 = ----- / LPOST 07/08/2002 (4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
01	GLXMA	CON %	07/25/2002	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	GLXMA	CON %	08/07/2002	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	AMATA	CON %	07/25/2002	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	AMATA	CON %	08/07/2002	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3701RR