

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.8
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMIX	
APPLICATION DATE	07/05/05	AME
AIR TEMPERATURE	83	F
% REL.HUMIDITY	50	
WIND DIRECTION	NORTHWEST	
WIND SPEED	5.0	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	---/19	
AG3005RR	16.0/16.0	IN
05/16/2005		
*** PEST ***		
VELVETLEAF	---/18	
	10.0/16.0	IN
RAGWEED, COMMON	---/18	
	10.0/16.0	IN
MORNINGGLORY, TA	---/19	
	4.00/8.00	IN
FOXTAIL, GIANT	---/19	
	10.0/16.0	IN
COCKLEBUR, COMMO	---/18	
	10.0/16.0	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = 9 OR MORE LEAVES UNFOLDED, 8 OR MORE NODES

TITLE: Adjuvant Evaluation with Raptor for Weed Control in Soybean
CREATED: 05/14/2005 **REVISED:** 12/05/2005 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 36.00 FT **LONG**

REPS: 03

TRT	TREATMENT	DOSAGE	GLXMA	SETFA	AMBEL	XANST	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					07/16/05	07/16/05	07/16/05	07/16/05
1A	RAPTOR 1SL	0.026	LAA 12		0	73	43	43
2A	RAPTOR 1SL	0.026	LAA 12		0	84	70	68
	B»PRIME OIL	1.00	PMV 12					88
	C»N-PAK AMS	2.50	PMV 12					68
3A	RAPTOR 1SL	0.026	LAA 12		0	83	69	67
	B»PRIME OIL	1.00	PMV 12					85
	C»ALLIANCE	1.25	PMV 12					67
4A	RAPTOR 1SL	0.026	LAA 12		0	84	75	72
	B»PRIME OIL	1.00	PMV 12					91
	C»ALLIANCE	2.00	PMV 12					77
5A	RAPTOR 1SL	0.026	LAA 12		0	85	72	65
	B»PRIME OIL	1.00	PMV 12					87
	C»CLASS ACT NG	2.50	PMV 12					70
6A	RAPTOR 1SL	0.026	LAA 12		0	85	76	72
	B»DESTINY	1.00	PMV 12					87
	C 28% UAN	2.50	PMV 12					73
7A	RAPTOR 1SL	0.026	LAA 12		0	81	73	68
	B»PRIME OIL	1.00	PMV 12					85
	C 28% UAN	2.50	PMV 12					67
8A	RAPTOR 1SL	0.026	LAA 12		0	78	67	60
	B»SUPERB HC	0.50	PMV 12					82
	C 28% UAN	2.50	PMV 12					62
9A	RAPTOR 1SL	0.026	LAA 12		0	81	73	69
	B»NEWTONE	1.00	PMV 12					83
	C 28% UAN	2.50	PMV 12					68
10A	RAPTOR 1SL	0.026	LAA 12		0	86	77	72
	B»AG 05006	0.50	PMV 12					91
	C 28% UAN	2.50	PMV 12					77
11A	RAPTOR 1SL	0.026	LAA 12		0	84	80	77
	B»AG 05006	1.00	PMV 12					92
	C 28% UAN	2.50	PMV 12					77
12A	RAPTOR 1SL	0.026	LAA 12		0	84	78	73
	B»AG 02025	1.50	PMV 12					89
13A	RAPTOR 1SL	0.026	LAA 12		0	79	75	72
	B»AG 05043	1.50	PMV 12					87
14A	RAPTOR 1SL	0.026	LAA 12		0	80	75	72
	B»AG 05043	2.00	PMV 12					87
15A	RAPTOR 1SL	0.026	LAA 12		0	81	77	70
	B»AG 03002	1.50	PMV 12					88
16A	RAPTOR 1SL	0.026	LAA 12		0	83	81	77
	B»AG 03002	2.00	PMV 12					87
17A	RAPTOR 1SL	0.026	LAA 12		0	84	83	78
	B»DESTINY	1.00	PMV 12					88
	C»AG 05017	2.00	ZMA 12					75
	D 28% UAN	2.50	PMV 12					
18A	RAPTOR 1SL	0.026	LAA 12		0	88	84	83
	B»DESTINY	1.00	PMV 12					91
	C»AG 05017	4.00	ZMA 12					84
	D 28% UAN	2.50	PMV 12					

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TRT	TREATMENT	DOSAGE		GLXMA	SETFA	AMBEL	XANST	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				07/16/05	07/16/05	07/16/05	07/16/05	07/16/05	07/16/05
19A	RAPTOR 1SL	0.026	LAA 12	0	86	84	78	89	79
	B»ACTIVATOR 90	0.25	PMV 12						
	C 28% UAN	2.50	PMV 12						
20A	RAPTOR 1SL	0.026	LAA 12	0	89	88	83	89	83
	B»HERBIMAX	1.00	PMV 12						
	C 28% UAN	2.50	PMV 12						
21A	RAPTOR 1SL	0.026	LAA 12	0	88	85	83	90	80
	B»MSO	1.00	PMV 12						
	C 28% UAN	2.50	PMV 12						
22A	RAPTOR 1SL	0.039	LAA 12	0	93	93	94	96	89
	B»MSO	1.00	PMV 12						
	C 28% UAN	2.50	PMV 12						
		LSD (0.05)		0.00	5.91	9.54	10.15	5.73	9.90
		STANDARD DEVIATION		0.00	3.00	4.77	5.08	2.87	5.00

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 36.00 FT **LONG**

REPS: 03

TRT	TREATMENT	DOSAGE	GLXMA	SETFA	AMBEL	XANST	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %
			TM	07/26/05	07/26/05	07/26/05	07/26/05	07/26/05
1A	RAPTOR 1SL	0.026	LAA 12	0	68	42	75	47
2A	RAPTOR 1SL	0.026	LAA 12	0	85	70	92	78
	B»PRIME OIL	1.00	PMV 12					
	C»N-PAK AMS	2.50	PMV 12					
3A	RAPTOR 1SL	0.026	LAA 12	0	89	70	89	91
	B»PRIME OIL	1.00	PMV 12					
	C»ALLIANCE	1.25	PMV 12					
4A	RAPTOR 1SL	0.026	LAA 12	0	88	73	91	94
	B»PRIME OIL	1.00	PMV 12					
	C»ALLIANCE	2.00	PMV 12					
5A	RAPTOR 1SL	0.026	LAA 12	0	90	76	92	94
	B»PRIME OIL	1.00	PMV 12					
	C»CLASS ACT NG	2.50	PMV 12					
6A	RAPTOR 1SL	0.026	LAA 12	0	90	76	94	94
	B»DESTINY	1.00	PMV 12					
	C 28% UAN	2.50	PMV 12					
7A	RAPTOR 1SL	0.026	LAA 12	0	89	73	93	94
	B»PRIME OIL	1.00	PMV 12					
	C 28% UAN	2.50	PMV 12					
8A	RAPTOR 1SL	0.026	LAA 12	0	89	72	88	91
	B»SUPERB HC	0.50	PMV 12					
	C 28% UAN	2.50	PMV 12					
9A	RAPTOR 1SL	0.026	LAA 12	0	88	73	90	92
	B»NEWTONE	1.00	PMV 12					
	C 28% UAN	2.50	PMV 12					
10A	RAPTOR 1SL	0.026	LAA 12	0	89	82	94	98
	B»AG 05006	0.50	PMV 12					
	C 28% UAN	2.50	PMV 12					
11A	RAPTOR 1SL	0.026	LAA 12	0	84	72	89	90
	B»AG 05006	1.00	PMV 12					
	C 28% UAN	2.50	PMV 12					
12A	RAPTOR 1SL	0.026	LAA 12	0	84	68	85	87
	B»AG 02025	1.50	PMV 12					
13A	RAPTOR 1SL	0.026	LAA 12	0	80	70	87	89
	B»AG 05043	1.50	PMV 12					
14A	RAPTOR 1SL	0.026	LAA 12	0	80	65	82	87
	B»AG 05043	2.00	PMV 12					
15A	RAPTOR 1SL	0.026	LAA 12	0	84	72	86	89
	B»AG 03002	1.50	PMV 12					
16A	RAPTOR 1SL	0.026	LAA 12	0	79	67	84	88
	B»AG 03002	2.00	PMV 12					
17A	RAPTOR 1SL	0.026	LAA 12	0	89	81	93	95
	B»DESTINY	1.00	PMV 12					
	C»AG 05017	2.00	ZMA 12					
	D 28% UAN	2.50	PMV 12					
18A	RAPTOR 1SL	0.026	LAA 12	0	87	77	89	93
	B»DESTINY	1.00	PMV 12					
	C»AG 05017	4.00	ZMA 12					
	D 28% UAN	2.50	PMV 12					

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NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					07/26/05	07/26/05	07/26/05	07/26/05
19A	RAPTOR 1SL	0.026	LAA	12	0	84	68	86
	B»ACTIVATOR 90	0.25	PMV	12				90
	C 28% UAN	2.50	PMV	12				72
20A	RAPTOR 1SL	0.026	LAA	12	0	87	77	90
	B»HERBIMAX	1.00	PMV	12				94
	C 28% UAN	2.50	PMV	12				78
21A	RAPTOR 1SL	0.026	LAA	12	0	83	72	86
	B»MSO	1.00	PMV	12				89
	C 28% UAN	2.50	PMV	12				70
22A	RAPTOR 1SL	0.039	LAA	12	0	96	92	98
	B»MSO	1.00	PMV	12				99
	C 28% UAN	2.50	PMV	12				90
LSD (0.05)					0.00	5.55	8.24	4.83
STANDARD DEVIATION					0.00	2.78	4.12	2.41
								4.39
								10.19
								5.09

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

12 = ----- / POST 07/05/2005(1)

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 %	07/16/2005	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/16/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	07/16/2005	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST	CON %	07/16/2005	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	07/16/2005	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	07/16/2005	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/26/2005	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/26/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMBEL	CON %	07/26/2005	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	XANST	CON %	07/26/2005	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/26/2005	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/26/2005	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = AG3005RR