

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.3
 %OM: 4.7
 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	06/18/03	AME
AIR TEMPERATURE	81	F
% REL.HUMIDITY	45	
WIND DIRECTION	NORTH	
WIND SPEED	1.0	M/H
CLOUD COVER	CLEAR	
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	---/15	
PIONEER 93B67	10.0/10.0	IN
05/13/2003		
*** PEST ***		
RAGWEED, COMMON	---/16	
	3.00/6.00	IN
LAMBSQUARTERS, C	---/19	
	2.00/6.00	IN
MORNINGGLORY, TA	---/16	
	2.00/4.00	IN
SMARTWEED, PENNS	---/19	
	4.00/8.00	IN
FOXTAIL, GIANT	---/14	
	4.00/10.0	IN
COCKLEBUR, COMMO	---/14	
	3.00/6.00	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

14 = 4 LEAVES UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Raptor and Adjuvants for Weed Control in Soybean C-400
CREATED: 06/08/2003 **REVISED:** 11/05/2003 **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 NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	POLPY	AMBEL	XANST
		RATE	UNIT		CON % 06/30/03	CON % 06/30/03	CON % 06/30/03	CON % 06/30/03	CON % 06/30/03	CON % 06/30/03
1A	RAPTOR 1AS	0.027	LAA	12	0	40	23	40	23	53
B	N-PAK AMS	2.50	PMV	12						
2A	RAPTOR 1AS	0.027	LAA	12	2	98	83	90	78	93
B	DESTINY	1.00	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
3A	RAPTOR 1AS	0.027	LAA	12	0	99	81	93	75	92
B	PRIME OIL	1.00	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
4A	RAPTOR 1AS	0.027	LAA	12	0	98	75	87	70	91
B	HI PER-OIL	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
5A	RAPTOR 1AS	0.027	LAA	12	0	98	84	93	79	95
B	AG 02033	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
6A	RAPTOR 1AS	0.027	LAA	12	0	96	81	91	73	95
B	AG 01023	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
7A	RAPTOR 1AS	0.027	LAA	12	0	99	83	94	78	94
B	RIVET	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
8A	RAPTOR 1AS	0.027	LAA	12	0	78	47	73	57	83
B	AG 01034	0.25	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
9A	RAPTOR 1AS	0.027	LAA	12	0	97	82	91	78	95
B	CLASS ACT NG	2.50	PMV	12						
10A	RAPTOR 1AS	0.027	LAA	12	0	98	83	96	84	97
B	NEWTONE	1.00	PMV	12						
11A	RAPTOR 1AS	0.027	LAA	12	0	96	81	93	78	96
B	AG 02038	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
12A	RAPTOR 1AS	0.027	LAA	12	0	98	87	96	84	97
B	AG 03015	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
13A	RAPTOR 1AS	0.027	LAA	12	0	97	88	94	86	96
B	AG 03017	0.25	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
14A	RAPTOR 1AS	0.027	LAA	12	2	99	85	94	83	97
B	AG 03002	2.00	PMV	12						
15A	RAPTOR 1AS	0.027	LAA	12	0	98	80	89	75	95
B	AG 02025	1.50	PMV	12						
16A	RAPTOR 1AS	0.027	LAA	12	0	96	78	89	77	93
B	PREFERENCE	0.25	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
17A	RAPTOR 1AS	0.027	LAA	12	0	93	78	94	85	95
B	ACTIVATE PLUS	0.25	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0
19A	RAPTOR 1AS	0.027	LAA	12	0	93	67	87	68	90
B	AG 03018	0.75	PMV	12						

TITLE: Raptor and Adjuvants for Weed Control in Soybean C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		GLXMA	SETFA	CHEAL	POLPY	AMBEL	XANST
		RATE	UNIT TM	CON % 06/30/03	CON % 06/30/03	CON % 06/30/03	CON % 06/30/03	CON % 06/30/03	CON % 06/30/03
20A»	RAPTOR 1AS	0.027	LAA 12	0	92	63	82	58	89
	B»AG 03019	0.25	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
21A»	RAPTOR 1AS	0.027	LAA 12	0	97	82	93	78	96
	B»SILKIN	0.125	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
22A»	RAPTOR 1AS	0.027	LAA 12	0	98	82	88	73	94
	B»AG 02059	0.25	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
23A»	RAPTOR 1AS	0.027	LAA 12	2	99	91	98	89	99
	B»MSO	1.00	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
24A»	RAPTOR 1AS	0.039	LAA 12	5	99	94	99	92	99
	B»MSO	1.00	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
		LSD (0.05)		1.67	5.16	6.23	5.76	9.44	5.55
		STANDARD DEVIATION		0.833	2.58	3.12	2.88	4.72	2.78

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CREATED: 06/08/2003 **REVISED:** 11/05/2003 **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 NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	GLXMA	SETFA	CHEAL	POLPY	AMBEL
		RATE	UNIT		CON % 06/30/03	CON % 07/16/03	CON % 07/16/03	CON % 07/16/03	CON % 07/16/03	CON % 07/16/03
1A	RAPTOR 1AS	0.027	LAA	12	27	0	43	23	30	23
B	N-PAK AMS	2.50	PMV	12						
2A	RAPTOR 1AS	0.027	LAA	12	80	0	98	87	95	82
B	DESTINY	1.00	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
3A	RAPTOR 1AS	0.027	LAA	12	82	0	96	88	93	83
B	PRIME OIL	1.00	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
4A	RAPTOR 1AS	0.027	LAA	12	77	0	97	88	97	83
B	HI PER-OIL	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
5A	RAPTOR 1AS	0.027	LAA	12	86	0	94	84	95	78
B	AG 02033	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
6A	RAPTOR 1AS	0.027	LAA	12	83	0	94	85	97	85
B	AG 01023	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
7A	RAPTOR 1AS	0.027	LAA	12	86	0	99	91	98	89
B	RIVET	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
8A	RAPTOR 1AS	0.027	LAA	12	58	0	76	60	79	52
B	AG 01034	0.25	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
9A	RAPTOR 1AS	0.027	LAA	12	84	0	95	88	97	88
B	CLASS ACT NG	2.50	PMV	12						
10A	RAPTOR 1AS	0.027	LAA	12	89	0	99	93	98	88
B	NEWTONE	1.00	PMV	12						
11A	RAPTOR 1AS	0.027	LAA	12	83	0	95	86	96	83
B	AG 02038	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
12A	RAPTOR 1AS	0.027	LAA	12	87	0	97	90	98	90
B	AG 03015	0.50	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
13A	RAPTOR 1AS	0.027	LAA	12	88	0	94	85	97	88
B	AG 03017	0.25	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
14A	RAPTOR 1AS	0.027	LAA	12	89	0	99	91	99	93
B	AG 03002	2.00	PMV	12						
15A	RAPTOR 1AS	0.027	LAA	12	80	0	95	88	98	87
B	AG 02025	1.50	PMV	12						
16A	RAPTOR 1AS	0.027	LAA	12	77	0	95	91	99	92
B	PREFERENCE	0.25	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
17A	RAPTOR 1AS	0.027	LAA	12	87	0	92	88	97	89
B	ACTIVATE PLUS	0.25	PMV	12						
C	N-PAK AMS	2.50	PMV	12						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0
19A	RAPTOR 1AS	0.027	LAA	12	73	0	81	68	85	70
B	AG 03018	0.75	PMV	12						

TITLE: Raptor and Adjuvants for Weed Control in Soybean C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		PHBPU CON % 06/30/03	GLXMA CON % 07/16/03	SETFA CON % 07/16/03	CHEAL CON % 07/16/03	POLPY CON % 07/16/03	AMBEL CON % 07/16/03
		RATE	UNIT TM						
20A»	RAPTOR 1AS	0.027	LAA 12	70	0	72	53	82	60
	B»AG 03019	0.25	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
21A»	RAPTOR 1AS	0.027	LAA 12	80	0	88	88	98	87
	B»SILKIN	0.125	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
22A»	RAPTOR 1AS	0.027	LAA 12	81	0	97	88	96	86
	B»AG 02059	0.25	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
23A»	RAPTOR 1AS	0.027	LAA 12	94	0	99	94	99	93
	B»MSO	1.00	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
24A»	RAPTOR 1AS	0.039	LAA 12	94	0	99	98	99	97
	B»MSO	1.00	PMV 12						
	C»N-PAK AMS	2.50	PMV 12						
		LSD (0.05)		8.17	0.00	5.54	7.63	7.53	9.42
		STANDARD DEVIATION		4.09	0.00	2.77	3.82	3.76	4.71

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	PHBPU
		RATE	UNIT		CON % 07/16/03	CON % 07/16/03
1A	RAPTOR 1AS	0.027	LAA 12		53	30
B	N-PAK AMS	2.50	PMV 12			
2A	RAPTOR 1AS	0.027	LAA 12		99	84
B	DESTINY	1.00	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
3A	RAPTOR 1AS	0.027	LAA 12		98	82
B	PRIME OIL	1.00	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
4A	RAPTOR 1AS	0.027	LAA 12		99	83
B	HI PER-OIL	0.50	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
5A	RAPTOR 1AS	0.027	LAA 12		98	81
B	AG 02033	0.50	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
6A	RAPTOR 1AS	0.027	LAA 12		98	85
B	AG 01023	0.50	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
7A	RAPTOR 1AS	0.027	LAA 12		99	91
B	RIVET	0.50	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
8A	RAPTOR 1AS	0.027	LAA 12		84	62
B	AG 01034	0.25	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
9A	RAPTOR 1AS	0.027	LAA 12		99	89
B	CLASS ACT NG	2.50	PMV 12			
10A	RAPTOR 1AS	0.027	LAA 12		99	93
B	NEWTONE	1.00	PMV 12			
11A	RAPTOR 1AS	0.027	LAA 12		99	86
B	AG 02038	0.50	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
12A	RAPTOR 1AS	0.027	LAA 12		99	91
B	AG 03015	0.50	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
13A	RAPTOR 1AS	0.027	LAA 12		98	87
B	AG 03017	0.25	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
14A	RAPTOR 1AS	0.027	LAA 12		99	91
B	AG 03002	2.00	PMV 12			
15A	RAPTOR 1AS	0.027	LAA 12		99	90
B	AG 02025	1.50	PMV 12			
16A	RAPTOR 1AS	0.027	LAA 12		99	92
B	PREFERENCE	0.25	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
17A	RAPTOR 1AS	0.027	LAA 12		99	90
B	ACTIVATE PLUS	0.25	PMV 12			
C	N-PAK AMS	2.50	PMV 12			
18A	CHECK	0.00	NA 0		0	0
19A	RAPTOR 1AS	0.027	LAA 12		92	79
B	AG 03018	0.75	PMV 12			

TITLE: Raptor and Adjuvants for Weed Control in Soybean C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		XANST	PHBPU
		RATE	UNIT	CON % 07/16/03	CON % 07/16/03
20A	RAPTOR 1AS	0.027	LAA 12	91	70
	B»AG 03019	0.25	PMV 12		
	C»N-PAK AMS	2.50	PMV 12		
21A	RAPTOR 1AS	0.027	LAA 12	99	88
	B»SILKIN	0.125	PMV 12		
	C»N-PAK AMS	2.50	PMV 12		
22A	RAPTOR 1AS	0.027	LAA 12	99	86
	B»AG 02059	0.25	PMV 12		
	C»N-PAK AMS	2.50	PMV 12		
23A	RAPTOR 1AS	0.027	LAA 12	99	94
	B»MSO	1.00	PMV 12		
	C»N-PAK AMS	2.50	PMV 12		
24A	RAPTOR 1AS	0.039	LAA 12	99	97
	B»MSO	1.00	PMV 12		
	C»N-PAK AMS	2.50	PMV 12		
		LSD (0.05)		3.57	8.38
		STANDARD DEVIATION		1.78	4.19

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
12 = ----- / POST 06/18/2003(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 %	06/30/2003	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/30/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/30/2003	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	06/30/2003	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMBEL	CON %	06/30/2003	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	CON %	06/30/2003	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/30/2003	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	GLXMA	CON %	07/16/2003	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/16/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/16/2003	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	POLPY	CON %	07/16/2003	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMBEL	CON %	07/16/2003	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	XANST	CON %	07/16/2003	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	07/16/2003	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 93B67