

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	07/01/04	AME
AIR TEMPERATURE	81	F
% REL.HUMIDITY	56	
WIND DIRECTION	SOUTHEAST	
WIND SPEED	3.0	M/H
CLOUD COVER	OVERCAST	
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	---/18	
PIONEER 93B67	16.0/18.0	IN
05/12/2004		
*** PEST ***		
RAGWEED, COMMON	---/19	
	16.0/20.0	IN
MORNINGGLORY, TA	---/19	
	4.00/12.0	IN
FOXTAIL, GIANT	---/19	
	12.0/14.0	IN
COCKLEBUR, COMMO	---/19	
	10.0/16.0	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

18 = 8TH LEAF (6TH TRIFOLIATE LEAF) UNFOLDED, 7 NODES

19 = 9 OR MORE LEAVES UNFOLDED

TITLE: Raptor and Flexstar Adjuvants for Weed Control in Soybean C-500
CREATED: 04/22/2004 **REVISED:** 10/21/2004 **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 NUM COMPONENT	DOSAGE RATE UNIT	TM	GLXMA CON % 07/11/04	SETFA CON % 07/11/04	AMBEL CON % 07/11/04	XANST CON % 07/11/04	PHBPU CON % 07/11/04	GLXMA CON % 07/27/04
1A»RAPTOR 1AS	0.023	LAA 12	5	75	72	83	72	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
2A»RAPTOR 1AS	0.023	LAA 12	5	83	84	92	77	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»DESTINY	1.00	PMV 12						
D 28% UAN	2.50	PMV 12						
3A»RAPTOR 1AS	0.023	LAA 12	5	85	89	93	82	2
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»PRIME OIL	1.00	PMV 12						
D 28% UAN	2.50	PMV 12						
4A»RAPTOR 1AS	0.023	LAA 12	7	83	86	90	78	3
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»HI PER-OIL	0.50	PMV 12						
D 28% UAN	2.50	PMV 12						
5A»RAPTOR 1AS	0.023	LAA 12	5	83	88	91	79	2
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 01023	0.50	PMV 12						
D 28% UAN	2.50	PMV 12						
6A»RAPTOR 1AS	0.023	LAA 12	5	84	85	89	78	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 01023	0.50	PMV 12						
D»ALLIANCE	1.25	PMV 12						
7A»RAPTOR 1AS	0.023	LAA 12	5	84	86	90	79	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»RIVET	0.50	PMV 12						
D 28% UAN	2.50	PMV 12						
8A»RAPTOR 1AS	0.023	LAA 12	5	82	85	89	77	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 01034	0.25	PMV 12						
D 28% UAN	2.50	PMV 12						
9A»RAPTOR 1AS	0.023	LAA 12	5	80	85	88	74	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 03002	1.00	PMV 12						
10A»RAPTOR 1AS	0.023	LAA 12	5	84	88	92	82	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 03002	2.00	PMV 12						
11A»RAPTOR 1AS	0.023	LAA 12	5	83	84	89	78	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 04019	0.50	PMV 12						
12A»RAPTOR 1AS	0.023	LAA 12	5	83	89	93	78	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»PREFERENCE	0.25	PMV 12						
13A»RAPTOR 1AS	0.023	LAA 12	5	82	86	89	78	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 03019	0.50	PMV 12						
14A»RAPTOR 1AS	0.023	LAA 12	5	77	77	84	72	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 03037	0.50	PMV 12						
15A»RAPTOR 1AS	0.023	LAA 12	5	73	78	84	73	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 03030	0.50	PMV 12						
16A»RAPTOR 1AS	0.023	LAA 12	5	80	83	88	75	0
B»FLEXSTAR 1.88M	0.15	LAA 12						
C»AG 03025	0.50	PMV 12						

[illegible]

TITLE: Raptor and Flexstar Adjuvants for Weed Control in Soybean C-500
CREATED: 04/22/2004 **REVISED:** 10/21/2004 **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	SETFA	AMBEL	XANST	PHBPU
NUM	COMPONENT	RATE	CON %	CON %	CON %	CON %
		UNIT	07/27/04	07/27/04	07/27/04	07/27/04
1A»	RAPTOR 1AS	0.023	LAA 12	68	55	93
B»	FLEXSTAR 1.88M	0.15	LAA 12			70
2A»	RAPTOR 1AS	0.023	LAA 12	80	76	98
B»	FLEXSTAR 1.88M	0.15	LAA 12			77
C»	DESTINY	1.00	PMV 12			
D	28% UAN	2.50	PMV 12			
3A»	RAPTOR 1AS	0.023	LAA 12	88	90	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			83
C»	PRIME OIL	1.00	PMV 12			
D	28% UAN	2.50	PMV 12			
4A»	RAPTOR 1AS	0.023	LAA 12	86	90	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			83
C»	HI PER-OIL	0.50	PMV 12			
D	28% UAN	2.50	PMV 12			
5A»	RAPTOR 1AS	0.023	LAA 12	81	82	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			73
C»	AG 01023	0.50	PMV 12			
D	28% UAN	2.50	PMV 12			
6A»	RAPTOR 1AS	0.023	LAA 12	83	84	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			75
C»	AG 01023	0.50	PMV 12			
D»	ALLIANCE	1.25	PMV 12			
7A»	RAPTOR 1AS	0.023	LAA 12	83	84	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			75
C»	RIVET	0.50	PMV 12			
D	28% UAN	2.50	PMV 12			
8A»	RAPTOR 1AS	0.023	LAA 12	78	75	96
B»	FLEXSTAR 1.88M	0.15	LAA 12			73
C»	AG 01034	0.25	PMV 12			
D	28% UAN	2.50	PMV 12			
9A»	RAPTOR 1AS	0.023	LAA 12	80	84	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			75
C»	AG 03002	1.00	PMV 12			
10A»	RAPTOR 1AS	0.023	LAA 12	84	88	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			79
C»	AG 03002	2.00	PMV 12			
11A»	RAPTOR 1AS	0.023	LAA 12	83	78	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			74
C»	AG 04019	0.50	PMV 12			
12A»	RAPTOR 1AS	0.023	LAA 12	84	82	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			73
C»	PREFERENCE	0.25	PMV 12			
13A»	RAPTOR 1AS	0.023	LAA 12	83	75	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			73
C»	AG 03019	0.50	PMV 12			
14A»	RAPTOR 1AS	0.023	LAA 12	79	70	96
B»	FLEXSTAR 1.88M	0.15	LAA 12			67
C»	AG 03037	0.50	PMV 12			
15A»	RAPTOR 1AS	0.023	LAA 12	83	79	99
B»	FLEXSTAR 1.88M	0.15	LAA 12			73
C»	AG 03030	0.50	PMV 12			
16A»	RAPTOR 1AS	0.023	LAA 12	82	78	97
B»	FLEXSTAR 1.88M	0.15	LAA 12			73
C»	AG 03025	0.50	PMV 12			

TITLE: Raptor and Flexstar Adjuvants for Weed Control in Soybean C-500

TRT	TREATMENT	DOSAGE	SETFA	AMBEL	XANST	PHBPU
NUM	COMPONENT	RATE	CON %	CON %	CON %	CON %
		UNIT	TM	07/27/04	07/27/04	07/27/04
17A»	RAPTOR 1AS	0.023	LAA 12	81	78	99
	B»FLEXSTAR 1.88M	0.15	LAA 12			75
	C»AG 04025	0.50	PMV 12			
18A»	RAPTOR 1AS	0.023	LAA 12	83	79	99
	B»FLEXSTAR 1.88M	0.15	LAA 12			72
	C»AG 04021	0.50	PMV 12			
LSD (0.05)						
STANDARD DEVIATION						

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

12 = ----- / POST 07/01/2004(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 %	07/11/2004	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/11/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	07/11/2004	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST	CON %	07/11/2004	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	07/11/2004	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/27/2004	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/27/2004	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBEL	CON %	07/27/2004	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	XANST	CON %	07/27/2004	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/27/2004	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 93B67