

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06/21/02	AME
AIR TEMPERATURE	88	F
% REL.HUMIDITY	60	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	3.0	M/H
CLOUD COVER	CLEAR	
DEW	MOIST	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	---/12	
FS 3616RR	5.00/5.00	IN
05/23/2002		
*** PEST ***		
VELVETLEAF	---/14	
	2.00/4.00	IN
WATERHEMP, COMMO	---/19	
	2.00/4.00	IN
MORNINGGLORY, TA	---/15	
	1.00/3.00	IN
SMARTWEED, PENNS	---/19	
	2.00/6.00	IN
FOXTAIL, GIANT	---/13	
	2.00/6.00	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE
 13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: USOYADJ Soybean Adjuvant study with Raptor and Glyphosate AS-200
CREATED: 04/26/2002 **REVISED:** 11/21/2002 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMATA	POLPY	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/01/02	CON % 07/01/02	CON % 07/01/02	CON % 07/01/02	CON % 07/01/02	CON % 07/01/02
1A»	RAPTOR 1AS	0.031	LAA	12	2	63	53	68	68	70
B»	N-PAK AMS	1.25	PMV	12						
2A»	RAPTOR 1AS	0.031	LAA	12	8	87	72	89	89	88
B»	DESTINY	1.00	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
3A»	RAPTOR 1AS	0.031	LAA	12	5	80	67	83	81	81
B»	PRIME OIL	1.00	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
4A»	RAPTOR 1AS	0.031	LAA	12	7	85	75	85	86	82
B»	HI PER-OIL	0.50	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
5A»	RAPTOR 1AS	0.031	LAA	12	7	81	67	84	83	73
B»	AG 01017	0.50	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
6A»	RAPTOR 1AS	0.031	LAA	12	7	80	73	88	86	83
B»	AG 01023	0.50	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
7A»	RAPTOR 1AS	0.031	LAA	12	8	86	73	90	88	84
B»	RIVET	0.50	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
8A»	RAPTOR 1AS	0.031	LAA	12	5	84	73	89	87	85
B»	AG 01034	0.25	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
9A»	RAPTOR 1AS	0.031	LAA	12	7	87	76	89	87	85
B»	CLASS ACT NG	2.50	PMV	12						
10A»	RAPTOR 1AS	0.031	LAA	12	5	83	72	88	85	84
B»	NEWTONE	1.00	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
11A»	RAPTOR 1AS	0.031	LAA	12						
B»	AG 01023	1.00	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
12A»	RAPTOR 1AS	0.031	LAA	12	3	78	68	84	83	81
B»	AG 01034	0.375	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
13A»	RAPTOR 1AS	0.031	LAA	12	5	84	73	90	87	85
B»	AG 02025	1.50	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
14A»	RAPTOR 1AS	0.031	LAA	12	8	76	70	84	85	78
B»	MSO	1.00	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
15A»	ROUNDUP ORIGIN	0.38	LAA	12	0	99	96	93	93	92
B»	PREFERENCE	0.25	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
16A»	ROUNDUP ORIGIN	0.38	LAA	12	0	99	96	94	94	95
B»	ACTIVATE PLUS	0.25	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
17A»	ROUNDUP ORIGIN	0.38	LAA	12	0	99	97	92	93	95
B»	AG 01010	0.25	PMV	12						
C»	N-PAK AMS	1.25	PMV	12						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0

DATA MEAN

TITLE: USOYADJ Soybean Adjuvant study with Raptor and Glyphosate AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	POLPY	ABUTH	PHBPU	
		RATE	UNIT		CON % 07/01/02	CON % 07/01/02	CON % 07/01/02	CON % 07/01/02	CON % 07/01/02	CON % 07/01/02	
19A	ROUNDUP ORIGIN	0.38	LAA	12	0	99	94	89	90	91	
	B»AG 02018	0.25	PMV	12							
	C»N-PAK AMS	1.25	PMV	12							
20A	ROUNDUP ORIGIN	0.38	LAA	12	0	99	96	93	91	94	
	B»AG 02019	0.25	PMV	12							
	C»N-PAK AMS	1.25	PMV	12							
21A	ROUNDUP ORIGIN	0.38	LAA	12	0	99	96	89	90	92	
	B»ACTIVATOR 90	0.25	PMV	12							
	C»N-PAK AMS	1.25	PMV	12							
22A	RNDUP ULTRA MA	0.38	LAA	12	0	99	94	89	93	92	
	B»N-PAK AMS	1.25	PMV	12							
23A	WEATHERMAX 4.5	0.38	LAA	12	0	99	95	90	89	93	
	B»N-PAK AMS	1.25	PMV	12							
24A	CHECK	0.00	NA	12							
					LSD (0.05)	3.00	5.94	6.29	6.89	5.40	4.43
					STANDARD DEVIATION	1.50	3.00	3.14	3.44	2.70	2.21

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CREATED: 04/26/2002 **REVISED:** 11/21/2002 **COMPLETED:** N
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LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMATA	POLPY	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02	CON % 07/22/02
1A	RAPTOR 1AS	0.031	LAA	12	0	52	40	65	67	50
B	N-PAK AMS	1.25	PMV	12						
2A	RAPTOR 1AS	0.031	LAA	12	0	93	67	90	92	86
B	DESTINY	1.00	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
3A	RAPTOR 1AS	0.031	LAA	12	0	90	60	84	87	83
B	PRIME OIL	1.00	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
4A	RAPTOR 1AS	0.031	LAA	12	0	93	68	89	91	84
B	HI PER-OIL	0.50	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
5A	RAPTOR 1AS	0.031	LAA	12	0	94	77	94	96	90
B	AG 01017	0.50	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
6A	RAPTOR 1AS	0.031	LAA	12	0	84	67	84	87	80
B	AG 01023	0.50	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
7A	RAPTOR 1AS	0.031	LAA	12	0	90	72	90	93	87
B	RIVET	0.50	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
8A	RAPTOR 1AS	0.031	LAA	12	0	92	75	93	94	88
B	AG 01034	0.25	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
9A	RAPTOR 1AS	0.031	LAA	12	2	92	76	92	93	83
B	CLASS ACT NG	2.50	PMV	12						
10A	RAPTOR 1AS	0.031	LAA	12	0	91	73	90	92	88
B	NEWTONE	1.00	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
11A	RAPTOR 1AS	0.031	LAA	12						
B	AG 01023	1.00	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
12A	RAPTOR 1AS	0.031	LAA	12	0	88	74	91	89	84
B	AG 01034	0.375	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
13A	RAPTOR 1AS	0.031	LAA	12	0	96	84	95	96	92
B	AG 02025	1.50	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
14A	RAPTOR 1AS	0.031	LAA	12	3	95	83	94	96	90
B	MISO	1.00	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
15A	ROUNDUP ORIGIN	0.38	LAA	12	0	99	99	89	89	88
B	PREFERENCE	0.25	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
16A	ROUNDUP ORIGIN	0.38	LAA	12	0	99	99	93	91	89
B	ACTIVATE PLUS	0.25	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
17A	ROUNDUP ORIGIN	0.38	LAA	12	0	99	99	94	89	89
B	AG 01010	0.25	PMV	12						
C	N-PAK AMS	1.25	PMV	12						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0

DATA MEAN

TITLE: USOYADJ Soybean Adjuvant study with Raptor and Glyphosate AS-200

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	AMATA	POLPY	ABUTH	PHBPU	
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %	
			TM	07/22/02	07/22/02	07/22/02	07/22/02	07/22/02	07/22/02	
19A	ROUNDUP ORIGIN	0.38	LAA 12	0	99	99	90	88	85	
	B»AG 02018	0.25	PMV 12							
	C»N-PAK AMS	1.25	PMV 12							
20A	ROUNDUP ORIGIN	0.38	LAA 12	0	99	99	94	93	88	
	B»AG 02019	0.25	PMV 12							
	C»N-PAK AMS	1.25	PMV 12							
21A	ROUNDUP ORIGIN	0.38	LAA 12	0	99	98	84	88	85	
	B»ACTIVATOR 90	0.25	PMV 12							
	C»N-PAK AMS	1.25	PMV 12							
22A	RNDUP ULTRA MA	0.38	LAA 12	0	99	99	95	94	91	
	B»N-PAK AMS	1.25	PMV 12							
23A	WEATHERMAX 4.5	0.38	LAA 12	0	99	99	94	91	88	
	B»N-PAK AMS	1.25	PMV 12							
24A	CHECK	0.00	NA 12							
				LSLSD (0.05)	1.37	5.41	7.39	5.30	4.16	4.44
				STANDARD DEVIATION	0.687	2.71	3.69	2.65	2.08	2.22

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 12 = ----- / POST 06/21/2002(1)

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 %	07/01/2002	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	07/01/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	AMATA	CON %	07/01/2002	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	POLPY	CON %	07/01/2002	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	ABUTH	CON %	07/01/2002	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	PHBPU	CON %	07/01/2002	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	GLXMA	CON %	07/22/2002	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	SETFA	CON %	07/22/2002	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	AMATA	CON %	07/22/2002	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	POLPY	CON %	07/22/2002	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	ABUTH	CON %	07/22/2002	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	PHBPU	CON %	07/22/2002	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = FS 3616RR