

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	06/16/03	AME
AIR TEMPERATURE	84	F
% REL.HUMIDITY	50	
WIND DIRECTION	EAST	
WIND SPEED	5.0	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	8.00/8.00	IN
05/13/2003		
*** PEST ***		
RAGWEED, COMMON	---/15	
	3.00/6.00	IN
LAMBSQUARTERS, C	---/19	
	2.00/6.00	IN
MORNINGGLORY, TA	---/16	
	2.00/4.00	IN
SMARTWEED, PENNS	---/19	
	3.00/6.00	IN
FOXTAIL, GIANT	---/14	
	2.00/10.0	IN
COCKLEBUR, COMMO	---/15	
	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: Glyphosate Adjuvants for Weed Control in Soybean C-400
CREATED: 05/05/2003 **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	TREATMENT	DOSAGE	GLXMA	SETFA	CHEAL	POLPY	AMBEL	XANST
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/30/03	06/30/03	06/30/03	06/30/03
1A»	WEATHERMAX 4.5	0.75	LAA 12		0	99	97	96
2A»	WEATHERMAX 4.5	0.75	LAA 12		0	99	98	96
B»	N-PAK AMS	5.00	PMV 12					99
3A»	WEATHERMAX 4.5	0.75	LAA 12		0	99	98	98
B»	ALLIANCE 90	1.25	PMV 12					99
4A»	WEATHERMAX 4.5	0.19	LAA 12		0	94	60	65
5A»	WEATHERMAX 4.5	0.19	LAA 12		0	97	78	79
B»	N-PAK AMS	5.00	PMV 12					75
6A»	WEATHERMAX 4.5	0.19	LAA 12		0	96	74	79
B»	ALLIANCE 90	1.25	PMV 12					78
7A»	WEATHERMAX 4.5	0.19	LAA 12		0	94	60	67
B»	PLACEMENT	2.00	ZMA 12					65
C»	ALLIANCE 90	1.25	PMV 12					85
8A»	WEATHERMAX 4.5	0.19	LAA 12		0	97	78	78
B»	ALLIANCE 90	1.00	PMV 12					81
9A»	WEATHERMAX 4.5	0.19	LAA 12		0	98	78	83
B»	ALLIANCE 90	0.75	PMV 12					80
10A»	WEATHERMAX 4.5	0.19	LAA 12		0	99	79	81
B»	PLACEMENT	2.00	ZMA 12					83
C»	ALLIANCE 90	1.25	PMV 12					97
11A»	WEATHERMAX 4.5	0.19	LAA 12		0	95	80	80
B»	PLACMNT PROPAK	1.00	PMV 12					78
12A»	WEATHERMAX 4.5	0.19	LAA 12		0	98	83	84
B»	PLACMNT PROPAK	1.00	PMV 12					83
C»	ALLIANCE 90	1.00	PMV 12					98
13A»	WEATHERMAX 4.5	0.19	LAA 12		0	98	81	84
B»	ALLIANCE 90	2.00	PMV 12					85
14A»	WEATHERMAX 4.5	0.19	LAA 12		0	97	79	81
B»	AG 03002	0.75	PMV 12					81
15A»	WEATHERMAX 4.5	0.19	LAA 12		0	95	67	71
B»	AG 01023	0.50	PMV 12					72
C»	ALLIANCE 90	0.50	PMV 12					92
LSD (0.05)					0.00	3.07	8.72	8.61
STANDARD DEVIATION					0.00	1.50	4.26	4.20
								6.92
								3.38
								4.93
								2.41

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REPS: 03

TRT	TREATMENT	DOSAGE	PHBPU	GLXMA	SETFA	CHEAL	POLPY	AMBEL
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %
			TM	06/30/03	07/16/03	07/16/03	07/16/03	07/16/03
1A»	WEATHERMAX 4.5	0.75	LAA 12	90	0	97	93	93
2A»	WEATHERMAX 4.5	0.75	LAA 12	94	0	98	99	98
B»	N-PAK AMS	5.00	PMV 12					
3A»	WEATHERMAX 4.5	0.75	LAA 12	94	0	97	97	97
B»	ALLIANCE 90	1.25	PMV 12					
4A»	WEATHERMAX 4.5	0.19	LAA 12	53	0	89	53	62
5A»	WEATHERMAX 4.5	0.19	LAA 12	72	0	94	65	72
B»	N-PAK AMS	5.00	PMV 12					
6A»	WEATHERMAX 4.5	0.19	LAA 12	70	0	89	70	68
B»	ALLIANCE 90	1.25	PMV 12					
7A»	WEATHERMAX 4.5	0.19	LAA 12	60	0	92	65	70
B»	PLACEMENT	2.00	ZMA 12					
C»	ALLIANCE 90	1.25	PMV 12					
8A»	WEATHERMAX 4.5	0.19	LAA 12	76	0	96	76	73
B»	ALLIANCE 90	1.00	PMV 12					
9A»	WEATHERMAX 4.5	0.19	LAA 12	78	0	96	78	79
B»	ALLIANCE 90	0.75	PMV 12					
10A»	WEATHERMAX 4.5	0.19	LAA 12	81	0	95	75	78
B»	PLACEMENT	2.00	ZMA 12					
C»	ALLIANCE 90	1.25	PMV 12					
11A»	WEATHERMAX 4.5	0.19	LAA 12	70	0	89	67	70
B»	PLACMNT PROPAK	1.00	PMV 12					
12A»	WEATHERMAX 4.5	0.19	LAA 12	76	0	96	85	85
B»	PLACMNT PROPAK	1.00	PMV 12					
C»	ALLIANCE 90	1.00	PMV 12					
13A»	WEATHERMAX 4.5	0.19	LAA 12	78	0	96	82	81
B»	ALLIANCE 90	2.00	PMV 12					
14A»	WEATHERMAX 4.5	0.19	LAA 12	73	0	93	82	78
B»	AG 03002	0.75	PMV 12					
15A»	WEATHERMAX 4.5	0.19	LAA 12	69	0	88	73	72
B»	AG 01023	0.50	PMV 12					
C»	ALLIANCE 90	0.50	PMV 12					
LSD (0.05)				7.45	0.00	5.00	6.35	6.13
STANDARD DEVIATION				3.64	0.00	2.43	3.10	3.00
								7.12
								3.48

TITLE: Glyphosate Adjuvants for Weed Control in Soybean C-400
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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	XANST	PHBPU
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	TM	07/16/03
1A»	WEATHERMAX 4.5	0.75	LAA 12	99
2A»	WEATHERMAX 4.5	0.75	LAA 12	99
B»	N-PAK AMS	5.00	PMV 12	92
3A»	WEATHERMAX 4.5	0.75	LAA 12	99
B»	ALLIANCE 90	1.25	PMV 12	87
4A»	WEATHERMAX 4.5	0.19	LAA 12	91
5A»	WEATHERMAX 4.5	0.19	LAA 12	96
B»	N-PAK AMS	5.00	PMV 12	70
6A»	WEATHERMAX 4.5	0.19	LAA 12	96
B»	ALLIANCE 90	1.25	PMV 12	63
7A»	WEATHERMAX 4.5	0.19	LAA 12	94
B»	PLACEMENT	2.00	ZMA 12	60
C»	ALLIANCE 90	1.25	PMV 12	
8A»	WEATHERMAX 4.5	0.19	LAA 12	99
B»	ALLIANCE 90	1.00	PMV 12	72
9A»	WEATHERMAX 4.5	0.19	LAA 12	99
B»	ALLIANCE 90	0.75	PMV 12	73
10A»	WEATHERMAX 4.5	0.19	LAA 12	99
B»	PLACEMENT	2.00	ZMA 12	68
C»	ALLIANCE 90	1.25	PMV 12	
11A»	WEATHERMAX 4.5	0.19	LAA 12	98
B»	PLACMNT PROPAK	1.00	PMV 12	65
12A»	WEATHERMAX 4.5	0.19	LAA 12	99
B»	PLACMNT PROPAK	1.00	PMV 12	78
C»	ALLIANCE 90	1.00	PMV 12	
13A»	WEATHERMAX 4.5	0.19	LAA 12	99
B»	ALLIANCE 90	2.00	PMV 12	73
14A»	WEATHERMAX 4.5	0.19	LAA 12	99
B»	AG 03002	0.75	PMV 12	75
15A»	WEATHERMAX 4.5	0.19	LAA 12	98
B»	AG 01023	0.50	PMV 12	65
C»	ALLIANCE 90	0.50	PMV 12	
LSD (0.05)			2.81	9.83
STANDARD DEVIATION			1.37	4.80

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

12 = ----- / POST 06/16/2003(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	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

TITLE: Glyphosate Adjuvants for Weed Control in Soybean C-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
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