

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	---/14	
	3.00/6.00	IN
LAMBSQUARTERS, C	---/19	
	2.00/8.00	IN
MORNINGGLORY, TA	---/15	
	2.00/4.00	IN
SMARTWEED, PENNS	---/19	
	2.00/6.00	IN
FOXTAIL, GIANT	---/14	
	2.00/8.00	IN
COCKLEBUR, COMMO	---/14	
	2.00/6.00	IN

\* TIMING CODES

12 = ----- / POST

\* STAGE CODE

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

**TITLE:** Total Postemergence Herbicides in Conventional Tillage 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 NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	AMBEL	XANST	POLPY
		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	PHOENIX 2EC	0.15	LAA	12	23	72	67	95	67	78
B	HARMONY GT 75W	0.0039	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	ACTIVATOR 90	0.25	PMV	12						
2A	PHOENIX 2EC	0.15	LAA	12	13	68	30	93	92	62
B	FIRSTRATE 84WG	0.016	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	ACTIVATOR 90	0.25	PMV	12						
3A	PHOENIX 2EC	0.15	LAA	12	25	65	63	93	72	77
B	HARMONY GT 75W	0.0039	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	HI PER-OIL	0.31	PMV	12						
4A	PHOENIX 2EC	0.15	LAA	12	13	70	30	88	73	10
B	FIRSTRATE 84WG	0.016	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	HI PER-OIL	0.31	PMV	12						
5A	FIRSTRATE 84WG	0.016	LAA	12	0	99	98	91	99	96
B	GLYPHOMAX PLUS	0.75	LAA	12						
C	LIQUID AMS	3.67	PMV	12						
6A	SELECT (2EC)	0.094	LAA	12	13	72	30	83	33	10
B	COBRA 2EC	0.125	LAA	12						
C	COC	1.00	PMV	12						
7A	FLEXSTAR 1.88M	0.294	LAA	12	12	92	68	99	99	96
B	FUSION	0.21	LAA	12						
C	MSO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
8A	RAPTOR 1AS	0.039	LAA	12	15	67	67	43	77	73
B	MSO	1.00	PMV	12						
C	LIQUID AMS	2.50	PMV	12						
9A	RAPTOR 1AS	0.039	LAA	12	17	80	77	93	93	95
B	ULTRA BLAZER	0.188	LAA	12						
C	MSO	1.00	PMV	12						
D	LIQUID AMS	2.50	PMV	12						
10A	EXTREME 2.17L	0.81	LAA	12	8	99	88	75	99	75
B	ACTIVATOR 90	0.25	PMV	12						
C	LIQUID AMS	2.50	PMV	12						
11A	GLYPHOMAX HC 5	0.75	LAA	12	0	99	96	78	98	78
B	LIQUID AMS	2.50	PMV	12						
12A	TOUCHDN KPMG 4	0.75	LAA	12	0	99	99	83	99	95
B	LIQUID AMS	2.50	PMV	12						
13A	WEATHERMAX 4.5	0.75	LAA	12	0	99	98	85	99	90
B	LIQUID AMS	2.50	PMV	12						
14A	WEATHERMAX 4.5	0.75	LAA	12	5	99	98	85	99	86
B	AIM EW 1.9	0.004	PMV	12						
C	LIQUID AMS	2.50	PMV	12						
15A	WEATHERMAX 4.5	0.75	LAA	12	4	99	98	90	99	98
B	BUTYRAC 2SL	0.031	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A	WEATHERMAX 4.5	0.75	LAA	12	13	99	98	88	99	96
B	BUTYRAC 2SL	0.063	LAA	12						
C	LIQUID AMS	2.50	PMV	12						

**TITLE:** Total Postemergence Herbicides in Conventional Tillage Soybean C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		GLXMA	SETFA	CHEAL	AMBEL	XANST	POLPY
		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
18A»	WEATHERMAX 4.5	0.56	LAA 12	0	99	80	85	98	98
	B BASAGRAN 4SL	0.50	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		2.92	7.29	6.46	8.12	7.61	6.82
		STANDARD DEVIATION		1.44	3.61	3.20	4.00	3.76	3.38

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**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	CHEAL	AMBEL	XANST	POLPY
		RATE	UNIT		CON % 06/30/03	CON % 07/23/03	CON % 07/23/03	CON % 07/23/03	CON % 07/23/03	CON % 07/23/03
1A	PHOENIX 2EC	0.15	LAA	12	30	8	50	77	43	67
B	HARMONY GT 75W	0.0039	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	ACTIVATOR 90	0.25	PMV	12						
2A	PHOENIX 2EC	0.15	LAA	12	67	7	20	95	95	43
B	FIRSTRATE 84WG	0.016	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	ACTIVATOR 90	0.25	PMV	12						
3A	PHOENIX 2EC	0.15	LAA	12	33	13	60	72	33	47
B	HARMONY GT 75W	0.0039	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	HI PER-OIL	0.31	PMV	12						
4A	PHOENIX 2EC	0.15	LAA	12	20	5	20	72	62	20
B	FIRSTRATE 84WG	0.016	LAA	12						
C	SELECT (2EC)	0.125	LAA	12						
D	HI PER-OIL	0.31	PMV	12						
5A	FIRSTRATE 84WG	0.016	LAA	12	43	0	93	96	99	98
B	GLYPHOMAX PLUS	0.75	LAA	12						
C	LIQUID AMS	3.67	PMV	12						
6A	SELECT (2EC)	0.094	LAA	12	17	3	0	83	20	20
B	COBRA 2EC	0.125	LAA	12						
C	COC	1.00	PMV	12						
7A	FLEXSTAR 1.88M	0.294	LAA	12	30	0	63	96	92	95
B	FUSION	0.21	LAA	12						
C	MSO	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
8A	RAPTOR 1AS	0.039	LAA	12	27	7	82	72	95	83
B	MSO	1.00	PMV	12						
C	LIQUID AMS	2.50	PMV	12						
9A	RAPTOR 1AS	0.039	LAA	12	73	3	75	67	98	96
B	ULTRA BLAZER	0.188	LAA	12						
C	MSO	1.00	PMV	12						
D	LIQUID AMS	2.50	PMV	12						
10A	EXTREME 2.17L	0.81	LAA	12	40	0	87	82	93	96
B	ACTIVATOR 90	0.25	PMV	12						
C	LIQUID AMS	2.50	PMV	12						
11A	GLYPHOMAX HC 5	0.75	LAA	12	37	0	93	87	94	98
B	LIQUID AMS	2.50	PMV	12						
12A	TOUCHDN KPMG 4	0.75	LAA	12	53	0	88	87	95	96
B	LIQUID AMS	2.50	PMV	12						
13A	WEATHERMAX 4.5	0.75	LAA	12	40	0	95	93	96	99
B	LIQUID AMS	2.50	PMV	12						
14A	WEATHERMAX 4.5	0.75	LAA	12	78	0	95	96	95	99
B	AIM EW 1.9	0.004	PMV	12						
C	LIQUID AMS	2.50	PMV	12						
15A	WEATHERMAX 4.5	0.75	LAA	12	72	0	95	90	93	96
B	BUTYRAC 2SL	0.031	LAA	12						
C	LIQUID AMS	2.50	PMV	12						
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A	WEATHERMAX 4.5	0.75	LAA	12	77	3	95	92	96	99
B	BUTYRAC 2SL	0.063	LAA	12						
C	LIQUID AMS	2.50	PMV	12						

**TITLE:** Total Postemergence Herbicides in Conventional Tillage Soybean C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		PHBPU	GLXMA	CHEAL	AMBEL	XANST	POLPY
		RATE	UNIT TM	CON % 06/30/03	CON % 07/23/03	CON % 07/23/03	CON % 07/23/03	CON % 07/23/03	CON % 07/23/03
18A»	WEATHERMAX 4.5	0.56	LAA 12	72	0	85	75	96	99
	B BASAGRAN 4SL	0.50	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		7.36	2.91	5.15	8.85	13.08	10.00
		STANDARD DEVIATION		3.64	1.44	2.55	4.38	6.47	5.00

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**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	SETFA	PHBPU
		RATE	UNIT		CON % 07/23/03	CON % 07/23/03
1A	PHOENIX 2EC	0.15	LAA	12	82	27
B	HARMONY GT 75W	0.0039	LAA	12		
C	SELECT (2EC)	0.125	LAA	12		
D	ACTIVATOR 90	0.25	PMV	12		
2A	PHOENIX 2EC	0.15	LAA	12	73	47
B	FIRSTRATE 84WG	0.016	LAA	12		
C	SELECT (2EC)	0.125	LAA	12		
D	ACTIVATOR 90	0.25	PMV	12		
3A	PHOENIX 2EC	0.15	LAA	12	72	27
B	HARMONY GT 75W	0.0039	LAA	12		
C	SELECT (2EC)	0.125	LAA	12		
D	HI PER-OIL	0.31	PMV	12		
4A	PHOENIX 2EC	0.15	LAA	12	95	20
B	FIRSTRATE 84WG	0.016	LAA	12		
C	SELECT (2EC)	0.125	LAA	12		
D	HI PER-OIL	0.31	PMV	12		
5A	FIRSTRATE 84WG	0.016	LAA	12	93	80
B	GLYPHOMAX PLUS	0.75	LAA	12		
C	LIQUID AMS	3.67	PMV	12		
6A	SELECT (2EC)	0.094	LAA	12	95	20
B	COBRA 2EC	0.125	LAA	12		
C	COC	1.00	PMV	12		
7A	FLEXSTAR 1.88M	0.294	LAA	12	87	30
B	FUSION	0.21	LAA	12		
C	MSO	1.00	PMV	12		
D	28% UAN	2.50	PMV	12		
8A	RAPTOR 1AS	0.039	LAA	12	85	53
B	MSO	1.00	PMV	12		
C	LIQUID AMS	2.50	PMV	12		
9A	RAPTOR 1AS	0.039	LAA	12	53	50
B	ULTRA BLAZER	0.188	LAA	12		
C	MSO	1.00	PMV	12		
D	LIQUID AMS	2.50	PMV	12		
10A	EXTREME 2.17L	0.81	LAA	12	96	75
B	ACTIVATOR 90	0.25	PMV	12		
C	LIQUID AMS	2.50	PMV	12		
11A	GLYPHOMAX HC 5	0.75	LAA	12	96	47
B	LIQUID AMS	2.50	PMV	12		
12A	TOUCHDN KPMG 4	0.75	LAA	12	96	50
B	LIQUID AMS	2.50	PMV	12		
13A	WEATHERMAX 4.5	0.75	LAA	12	96	60
B	LIQUID AMS	2.50	PMV	12		
14A	WEATHERMAX 4.5	0.75	LAA	12	96	53
B	AIM EW 1.9	0.004	PMV	12		
C	LIQUID AMS	2.50	PMV	12		
15A	WEATHERMAX 4.5	0.75	LAA	12	93	57
B	BUTYRAC 2SL	0.031	LAA	12		
C	LIQUID AMS	2.50	PMV	12		
16A	CHECK	0.00	NA	0	0	0
17A	WEATHERMAX 4.5	0.75	LAA	12	90	63
B	BUTYRAC 2SL	0.063	LAA	12		
C	LIQUID AMS	2.50	PMV	12		

TITLE: Total Postemergence Herbicides in Conventional Tillage Soybean C-400

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 07/23/03	PHBPU CON % 07/23/03
18A>WEATHERMAX 4.5	0.56	LAA	12	92	53
B BASAGRAN 4SL	0.50	LAA	12		
C>LIQUID AMS	2.50	PMV	12		
LSD (0.05)				6.55	10.71
STANDARD DEVIATION				3.24	5.30

>> = 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	CTR1	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	AMBEL	CON %	06/30/2003	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	XANST	CON %	06/30/2003	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY	CON %	06/30/2003	06	P	POLPY		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 %	07/23/2003	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/23/2003	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMBEL	CON %	07/23/2003	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	XANST	CON %	07/23/2003	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	POLPY	CON %	07/23/2003	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/23/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	07/23/2003	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 93B67