

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.8
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/29/09	06/17/09	AME
AIR TEMPERATURE	78	80	F
% REL.HUMIDITY	46	68	
WIND DIRECTION	WEST	WEST	
WIND SPEED	4.0	8.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
	DN/SG/MMZ		
*** CROP ***			
SOYBEAN		---/13	
A 3402RR		4.00/4.00	IN
05/29/2009			
*** PEST ***			
RAGWEED, COMMON		---/14	
		2.00/4.00	IN
LAMBSQUARTERS, C		---/18	
		1.00/2.00	IN
MORNINGGLORY, TA		---/16	
		2.00/4.00	IN
FOXTAIL, GIANT		---/14	
		2.00/6.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST

* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
 14 = 4 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Comparison of Residual Herbicides for Weed Control in No-till Soybean. C-300
CREATED: 04/22/2009 **REVISED:** 10/15/2009 **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
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	AMBEL	CHEAL	PHBPU	GLXMA
		RATE	UNIT	TM	CON % 06/17/09	CON % 06/17/09	CON % 06/17/09	CON % 06/17/09	CON % 06/17/09	CON % 07/15/09
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»LINEX 4L	0.50	LAA	9	0	52	83	93	45	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
3A	FIRSTRATE 84WG	0.016	LAA	9	0	47	94	99	72	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
4A	PROWL H2O 3.8	0.95	LAA	9	0	50	62	60	33	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	VALOR 51WG	0.064	LAA	9	0	50	99	99	73	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A	VALOR 51WG	0.08	LAA	9	0	57	99	99	87	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A	»VALOR XLT 40WG	0.075	LAA	0	0	53	99	99	83	0
	B VALOR 51WG	0.056	LAA	9						
	C CLASSIC 25WG	0.019	LAA	9						
	D»RNDUP POWERMAX	0.77	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
8A	»AUTHOR. FIRST	0.131	LAA	9	0	48	98	99	80	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
9A	»AUTHOR. ASSIST	0.125	LAA	9	0	73	94	99	88	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
10A	»AUTHORITY MTZ	0.225	LAA	9	0	53	99	99	84	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
11A	»GANGSTER (CO-P	0.00	NA	0	0	53	99	99	89	0
	B GANGSTER V	0.048	LAA	9						
	C GANGSTER FR	0.016	LAA	9						
	D»RNDUP POWERMAX	0.77	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
12A	»CANOPY EX 29.5	0.0202	LAA	0	0	53	99	99	78	0
	B CLASSIC 25WG	0.016	LAA	9						
	C»EXPRESS 50SG	0.0047	LAA	9						
	D»RNDUP POWERMAX	0.77	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
13A	CANOPY 75WG	0.105	LAA	9	0	55	99	99	77	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
14A	»ENVIVE 41.3SG	0.0202	LAA	0	0	68	99	99	86	0
	B CLASSIC 25WG	0.017	LAA	9						
	C VALOR 51WG	0.055	LAA	9						
	D»HARMONY 50SG	0.005	LAA	9						
	E»RNDUP POWERMAX	0.77	LAA	12						
	F»LIQUID AMS	2.50	PMV	12						
15A	»PREFIX 5.32SL	1.18	LAA	9	0	70	99	99	77	0
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						

TITLE: Comparison of Residual Herbicides for Weed Control in No-till Soybean. C-300

TRT NUM	TREATMENT COMPONENT	DOSAGE		GLXMA	SETFA	AMBEL	CHEAL	PHBPU	GLXMA
		RATE	UNIT TM	CON % 06/17/09	CON % 06/17/09	CON % 06/17/09	CON % 06/17/09	CON % 06/17/09	CON % 07/15/09
16A	EXTREME 2.17SL	0.81	LAA 9	0	96	99	99	97	0
	B»RNDUP POWERMAX	0.77	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
17A	»OPTILL 68WG	0.085	LAA 9	0	93	99	99	97	0
	B»RNDUP POWERMAX	0.77	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
18A	PURSUIT +	0.91	LAA 9	0	98	99	99	98	0
	B»RNDUP POWERMAX	0.77	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		0.00	13.35	5.37	4.07	10.00	0.00
		STANDARD DEVIATION		0.00	6.61	2.66	2.00	4.94	0.00

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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
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMBEL	CHEAL	PHBPU
		RATE	UNIT	TM	CON % 07/15/09	CON % 07/15/09	CON % 07/15/09	CON % 07/15/09
1A	CHECK	0.00	NA	0	0	0	0	0
2A	»LINEX 4L	0.50	LAA	9	73	96	99	62
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
3A	FIRSTRATE 84WG	0.016	LAA	9	72	96	99	63
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
4A	PROWL H2O 3.8	0.95	LAA	9	79	96	99	63
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
5A	VALOR 51WG	0.064	LAA	9	83	99	99	70
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
6A	VALOR 51WG	0.08	LAA	9	83	99	99	73
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
7A	»VALOR XLT 40WG	0.075	LAA	0	85	99	99	81
	B VALOR 51WG	0.056	LAA	9				
	C CLASSIC 25WG	0.019	LAA	9				
	D»RNDUP POWERMAX	0.77	LAA	12				
	E»LIQUID AMS	2.50	PMV	12				
8A	»AUTHOR. FIRST	0.131	LAA	9	83	99	99	86
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
9A	»AUTHOR. ASSIST	0.125	LAA	9	84	99	99	84
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
10A	»AUTHORITY MTZ	0.225	LAA	9	84	99	99	82
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
11A	»GANGSTER (CO-P	0.00	NA	0	82	99	99	81
	B GANGSTER V	0.048	LAA	9				
	C GANGSTER FR	0.016	LAA	9				
	D»RNDUP POWERMAX	0.77	LAA	12				
	E»LIQUID AMS	2.50	PMV	12				
12A	»CANOPY EX 29.5	0.0202	LAA	0	70	98	99	68
	B CLASSIC 25WG	0.016	LAA	9				
	C»EXPRESS 50SG	0.0047	LAA	9				
	D»RNDUP POWERMAX	0.77	LAA	12				
	E»LIQUID AMS	2.50	PMV	12				
13A	CANOPY 75WG	0.105	LAA	9	78	98	99	74
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
14A	»ENVIVE 41.3SG	0.0202	LAA	0	83	99	99	81
	B CLASSIC 25WG	0.017	LAA	9				
	C VALOR 51WG	0.055	LAA	9				
	D»HARMONY 50SG	0.005	LAA	9				
	E»RNDUP POWERMAX	0.77	LAA	12				
	F»LIQUID AMS	2.50	PMV	12				
15A	»PREFIX 5.32SL	1.18	LAA	9	92	99	99	72
	B»RNDUP POWERMAX	0.77	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				

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TRT NUM	TREATMENT COMPONENT	DOSAGE		SETFA	AMBEL	CHEAL	PHBPU
		RATE	UNIT	CON % 07/15/09	CON % 07/15/09	CON % 07/15/09	CON % 07/15/09
16A	EXTREME 2.17SL	0.81	LAA 9	93	99	99	87
	B»RNDUP POWERMAX	0.77	LAA 12				
	C»LIQUID AMS	2.50	PMV 12				
17A»	OPTILL 68WG	0.085	LAA 9	93	99	99	91
	B»RNDUP POWERMAX	0.77	LAA 12				
	C»LIQUID AMS	2.50	PMV 12				
18A	PURSUIT +	0.91	LAA 9	95	99	99	87
	B»RNDUP POWERMAX	0.77	LAA 12				
	C»LIQUID AMS	2.50	PMV 12				
LSD (0.05)				5.79	2.55	0.00	8.64
STANDARD DEVIATION				2.86	1.26	0.00	4.28

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/29/2009(1)
 12 = ----- / POST 06/17/2009(2)

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 %	06/17/2009	01	P	GLXMA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/17/2009	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	06/17/2009	03	P	AMBEL	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/17/2009	04	P	CHEAL	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/17/2009	05	P	PHBPU	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/15/2009	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/15/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBEL	CON %	07/15/2009	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/15/2009	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/15/2009	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)

01 = A 3402RR

* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
 14 = 4 LEAVES UNFOLDED
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