

SOIL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 180 FEET
 PLOT AREA: 1800 FEET

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	11	13	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	06/14/13	06/22/13	AME
AIR TEMPERATURE	72	87	F
% REL.HUMIDITY	32	46	
WIND DIRECTION	NORTH	SOUTHWEST	
WIND SPEED	4.0	5.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	NO	---	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	15.00	15.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	40.00	40.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
FOLIAGE HEIGHT			FT
FOLIAGE WIDTH			FT
ROW WIDTH			FT
SPRAY VOL LWA/TRV			
S VOL LWA/TRV UNIT			
LEAF WALL AREA			M2H
TREE ROW VOLUME			M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *			
P, CORN, DENT	---/15	---/16	
NK-74R RR/LL	15.0/15.0	22.0/22.0	IN
(PLANTED) 05/16/2013	29 DAP	37 DAP	
PEST *			
P, WATERHEMP, COMMO	---/19 2.00/4.00	---/19 2.00/8.00	IN
P, LAMBSQUARTERS, C	---/19 2.00/4.00	---/19 2.00/6.00	IN
P, SOYBEAN	---/17 8.00/10.0	---/19 12.0/12.0	IN
P, MORNINGGLORY, TA	---/15 2.00/4.00	---/18 2.00/8.00	IN
P, FOXTAIL, GIANT	---/15 2.00/6.00	---/18 2.00/12.0	IN
P, COCKLEBUR, COMMO	---/15 2.00/8.00	---/18 4.00/16.0	IN

*** TIMING CODES**

11 = ----- / EPOST
13 = ----- / LPOST

*** STAGE CODE**

15 = 5 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES
18 = 8 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = 9 OR MORE LEAVES UNFOLDED, 8 OR MORE NODES

TITLE: Liberty / Dicamba Strip Applications with FF and TTI Spray Tips for Weed Control in RR/LL Corn. AS-400

CREATED: 04/12/2013 **REVISED:** 12/04/2013

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Urbana

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 180.00 FT LONG

PLOT AREA: 1800.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	7 DAT	7 DAT	7 DAT	7 DAT	7 DAT
					06/21/13	06/21/13	06/21/13	06/21/13	06/21/13
1A»	LIBERTY 2.34L	0.53	LAA	11	0	99	97	98	97
B»	LIQUID AMS	2.50	PMV	11					
C»	FLAT FAN TIP	0.00	NA	0					
2A	CLARITY	0.50	LAA	11	0	0	90	90	95
B»	LIQUID AMS	2.50	PMV	11					
C»	FLAT FAN TIP	0.00	NA	0					
3A»	LIBERTY 2.34L	0.53	LAA	11	0	99	98	98	99
B	CLARITY	0.50	LAA	11					
C»	LIQUID AMS	2.50	PMV	11					
D»	FLAT FAN TIP	0.00	NA	0					
4A»	LIBERTY 2.34L	0.53	LAA	11	0	97	70	90	80
B»	LIQUID AMS	2.50	PMV	11					
C»	TTI TIP	0.00	NA	0					
5A	CLARITY	0.50	LAA	11	0	0	70	80	85
B»	LIQUID AMS	2.50	PMV	11					
C»	TTI TIP	0.00	NA	0					
6A»	LIBERTY 2.34L	0.53	LAA	11	0	95	85	93	93
B	CLARITY	0.50	LAA	11					
C»	LIQUID AMS	2.50	PMV	11					
D»	TTI TIP	0.00	NA	0					
7A»	LIBERTY 2.34L	0.53	LAA	13	0	98	85	90	88
B»	LIQUID AMS	2.50	PMV	13					
C»	FLAT FAN TIP	0.00	NA	0					
8A	CLARITY	0.50	LAA	13	0	0	50	65	80
B»	LIQUID AMS	2.50	PMV	13					
C»	FLAT FAN TIP	0.00	NA	0					
9A»	LIBERTY 2.34L	0.53	LAA	13	0	98	97	97	93
B	CLARITY	0.50	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
D»	FLAT FAN TIP	0.00	NA	0					
10A»	LIBERTY 2.34L	0.53	LAA	13	0	83	40	60	65
B»	LIQUID AMS	2.50	PMV	13					
C»	TTI TIP	0.00	NA	0					
11A	CLARITY	0.50	LAA	13	0	0	70	70	60
B»	LIQUID AMS	2.50	PMV	13					
C»	TTI TIP	0.00	NA	0					
12A»	LIBERTY 2.34L	0.53	LAA	13	0	93	88	85	83
B	CLARITY	0.50	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
D»	TTI TIP	0.00	NA	0					
LSD (0.05)					0.00				
STANDARD DEVIATION					0.00				

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PLOT SIZE: 10.00 FT WIDE X 180.00 FT LONG

PLOT AREA: 1800.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	14 DAT	14 DAT	14 DAT	14 DAT	14 DAT
					06/29/13	06/29/13	06/29/13	06/29/13	06/29/13
1A»	LIBERTY 2.34L	0.53	LAA	11	0	95	99	99	95
B»	LIQUID AMS	2.50	PMV	11					
C»	FLAT FAN TIP	0.00	NA	0					
2A	CLARITY	0.50	LAA	11	0	0	85	90	83
B»	LIQUID AMS	2.50	PMV	11					
C»	FLAT FAN TIP	0.00	NA	0					
3A»	LIBERTY 2.34L	0.53	LAA	11	0	97	99	99	97
B	CLARITY	0.50	LAA	11					
C»	LIQUID AMS	2.50	PMV	11					
D»	FLAT FAN TIP	0.00	NA	0					
4A»	LIBERTY 2.34L	0.53	LAA	11	0	90	70	75	70
B»	LIQUID AMS	2.50	PMV	11					
C»	TTI TIP	0.00	NA	0					
5A	CLARITY	0.50	LAA	11	0	0	90	90	80
B»	LIQUID AMS	2.50	PMV	11					
C»	TTI TIP	0.00	NA	0					
6A»	LIBERTY 2.34L	0.53	LAA	11	0	93	97	95	95
B	CLARITY	0.50	LAA	11					
C»	LIQUID AMS	2.50	PMV	11					
D»	TTI TIP	0.00	NA	0					
7A»	LIBERTY 2.34L	0.53	LAA	13	0	93	80	90	85
B»	LIQUID AMS	2.50	PMV	13					
C»	FLAT FAN TIP	0.00	NA	0					
8A	CLARITY	0.50	LAA	13	0	0	70	75	88
B»	LIQUID AMS	2.50	PMV	13					
C»	FLAT FAN TIP	0.00	NA	0					
9A»	LIBERTY 2.34L	0.53	LAA	13	0	95	93	95	93
B	CLARITY	0.50	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
D»	FLAT FAN TIP	0.00	NA	0					
10A»	LIBERTY 2.34L	0.53	LAA	13	0	75	55	65	70
B»	LIQUID AMS	2.50	PMV	13					
C»	TTI TIP	0.00	NA	0					
11A	CLARITY	0.50	LAA	13	0	0	80	75	75
B»	LIQUID AMS	2.50	PMV	13					
C»	TTI TIP	0.00	NA	0					
12A»	LIBERTY 2.34L	0.53	LAA	13	0	85	88	85	93
B	CLARITY	0.50	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
D»	TTI TIP	0.00	NA	0					
LSD (0.05)					0.00				
STANDARD DEVIATION					0.00				

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PLOT SIZE: 10.00 FT WIDE X 180.00 FT LONG

PLOT AREA: 1800.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	21 DAT	21 DAT	21 DAT	21 DAT	21 DAT
					07/05/13	07/05/13	07/05/13	07/05/13	07/05/13
1A»	LIBERTY 2.34L	0.53	LAA	11	0	95	98	97	93
B»	LIQUID AMS	2.50	PMV	11					
C»	FLAT FAN TIP	0.00	NA	0					
2A	CLARITY	0.50	LAA	11	0	0	99	97	97
B»	LIQUID AMS	2.50	PMV	11					
C»	FLAT FAN TIP	0.00	NA	0					
3A»	LIBERTY 2.34L	0.53	LAA	11	0	98	99	99	98
B	CLARITY	0.50	LAA	11					
C»	LIQUID AMS	2.50	PMV	11					
D»	FLAT FAN TIP	0.00	NA	0					
4A»	LIBERTY 2.34L	0.53	LAA	11	0	93	75	80	85
B»	LIQUID AMS	2.50	PMV	11					
C»	TTI TIP	0.00	NA	0					
5A	CLARITY	0.50	LAA	11	0	0	85	93	93
B»	LIQUID AMS	2.50	PMV	11					
C»	TTI TIP	0.00	NA	0					
6A»	LIBERTY 2.34L	0.53	LAA	11	0	95	95	95	97
B	CLARITY	0.50	LAA	11					
C»	LIQUID AMS	2.50	PMV	11					
D»	TTI TIP	0.00	NA	0					
7A»	LIBERTY 2.34L	0.53	LAA	13	0	88	80	83	85
B»	LIQUID AMS	2.50	PMV	13					
C»	FLAT FAN TIP	0.00	NA	0					
8A	CLARITY	0.50	LAA	13	0	0	70	80	90
B»	LIQUID AMS	2.50	PMV	13					
C»	FLAT FAN TIP	0.00	NA	0					
9A»	LIBERTY 2.34L	0.53	LAA	13	0	85	95	97	93
B	CLARITY	0.50	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
D»	FLAT FAN TIP	0.00	NA	0					
10A»	LIBERTY 2.34L	0.53	LAA	13	0	70	40	50	55
B»	LIQUID AMS	2.50	PMV	13					
C»	TTI TIP	0.00	NA	0					
11A	CLARITY	0.50	LAA	13	0	0	75	75	60
B»	LIQUID AMS	2.50	PMV	13					
C»	TTI TIP	0.00	NA	0					
12A»	LIBERTY 2.34L	0.53	LAA	13	0	75	85	88	80
B	CLARITY	0.50	LAA	13					
C»	LIQUID AMS	2.50	PMV	13					
D»	TTI TIP	0.00	NA	0					
LSD (0.05)					0.00				
STANDARD DEVIATION					0.00				

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LOCATION: Urbana

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 180.00 FT LONG

PLOT AREA: 1800.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	YIELD	
NUM	COMPONENT	RATE	UNIT	TM
			BU/A	10/28/13
1A»	LIBERTY 2.34L	0.53	LAA	11
B»	LIQUID AMS	2.50	PMV	11
C»	FLAT FAN TIP	0.00	NA	0
2A	CLARITY	0.50	LAA	11
B»	LIQUID AMS	2.50	PMV	11
C»	FLAT FAN TIP	0.00	NA	0
3A»	LIBERTY 2.34L	0.53	LAA	11
B	CLARITY	0.50	LAA	11
C»	LIQUID AMS	2.50	PMV	11
D»	FLAT FAN TIP	0.00	NA	0
4A»	LIBERTY 2.34L	0.53	LAA	11
B»	LIQUID AMS	2.50	PMV	11
C»	TTI TIP	0.00	NA	0
5A	CLARITY	0.50	LAA	11
B»	LIQUID AMS	2.50	PMV	11
C»	TTI TIP	0.00	NA	0
6A»	LIBERTY 2.34L	0.53	LAA	11
B	CLARITY	0.50	LAA	11
C»	LIQUID AMS	2.50	PMV	11
D»	TTI TIP	0.00	NA	0
7A»	LIBERTY 2.34L	0.53	LAA	13
B»	LIQUID AMS	2.50	PMV	13
C»	FLAT FAN TIP	0.00	NA	0
8A	CLARITY	0.50	LAA	13
B»	LIQUID AMS	2.50	PMV	13
C»	FLAT FAN TIP	0.00	NA	0
9A»	LIBERTY 2.34L	0.53	LAA	13
B	CLARITY	0.50	LAA	13
C»	LIQUID AMS	2.50	PMV	13
D»	FLAT FAN TIP	0.00	NA	0
10A»	LIBERTY 2.34L	0.53	LAA	13
B»	LIQUID AMS	2.50	PMV	13
C»	TTI TIP	0.00	NA	0
11A	CLARITY	0.50	LAA	13
B»	LIQUID AMS	2.50	PMV	13
C»	TTI TIP	0.00	NA	0
12A»	LIBERTY 2.34L	0.53	LAA	13
B	CLARITY	0.50	LAA	13
C»	LIQUID AMS	2.50	PMV	13
D»	TTI TIP	0.00	NA	0

LSD (0.05)
STANDARD DEVIATION

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

11 = ----- / EPOST 06/14/2013(1)

13 = ----- / LPOST 06/22/2013(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	7 DAT	06/21/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Liberty / Dicamba Strip Applications with FF and TTI Spray Tips for Weed Control in
RR/LL Corn. AS-400

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	SETFA	7 DAT	06/21/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	7 DAT	06/21/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	7 DAT	06/21/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	7 DAT	06/21/2013	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	7 DAT	06/21/2013	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	14 DAT	06/29/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	14 DAT	06/29/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	14 DAT	06/29/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	14 DAT	06/29/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	14 DAT	06/29/2013	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	XANST	14 DAT	06/29/2013	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	21 DAT	07/05/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	21 DAT	07/05/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	21 DAT	07/05/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	21 DAT	07/05/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU	21 DAT	07/05/2013	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	XANST	21 DAT	07/05/2013	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	YIELD	BU/A	10/28/2013	07	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK-74R RR/LL