

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	11	
TYPE	LIQMIX	
APPLICATION DATE	05/25/12	AME
AIR TEMPERATURE	85	F
% REL.HUMIDITY	37	
WIND DIRECTION	EAST	
WIND SPEED	2.0	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
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
SPRAY VOLUME	15.00	
SPRAY 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 ***		
CORN, DENT	---/15	
N72F3000GT	12.0/12.0	IN
04/19/2012		
*** PEST ***		
VELVETLEAF	---/15	
	1.00/5.00	IN
WATERHEMP, COMMO	---/19	
	1.00/6.00	IN
LAMBSQUARTERS, C	---/19	
	1.00/6.00	IN
MORNINGGLORY, TA	---/16	
	1.00/4.00	IN
FOXTAIL, GIANT	---/16	
	2.00/6.00	IN

* TIMING CODES

11 = ----- / EPOST

* STAGE CODE

15 = 5 LEAVES UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6 LEAVES UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Dicamba and 2,4-D Comparison for Weed Control in RR/LL Corn. AS-100
CREATED: 04/07/2012 **REVISED:** 08/02/2012 **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			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/01/12	CON % 06/01/12	CON % 06/01/12	CON % 06/01/12	CON % 06/01/12	CON % 06/01/12
1A	BAS 18322H 5L	0.25	LAA	11	7	3	70	57	40	60
B	PREFERENCE	0.25	PMV	11						
2A	BAS 18322H 5L	0.375	LAA	11	15	0	77	67	58	67
B	PREFERENCE	0.25	PMV	11						
3A	BAS 18322H 5L	0.50	LAA	11	18	0	84	78	68	77
B	PREFERENCE	0.25	PMV	11						
4A	WEEDAR 64 SL	0.50	LAA	11	32	0	77	63	60	84
B	PREFERENCE	0.25	PMV	11						
5A	WEEDAR 64 SL	0.75	LAA	11	45	0	79	75	72	94
B	PREFERENCE	0.25	PMV	11						
6A	WEEDAR 64 SL	1.00	LAA	11	68	0	82	82	75	97
B	PREFERENCE	0.25	PMV	11						
7A	BAS 18322H 5L	0.25	LAA	11	7	95	89	90	83	87
B	RNDUP POWERMAX	0.50	LAA	11						
C	PREFERENCE	0.25	PMV	11						
8A	BAS 18322H 5L	0.375	LAA	11	8	98	92	92	90	89
B	RNDUP POWERMAX	0.75	LAA	11						
C	PREFERENCE	0.25	PMV	11						
9A	BAS 18322H 5L	0.50	LAA	11	7	99	94	93	91	92
B	RNDUP POWERMAX	1.00	LAA	11						
C	PREFERENCE	0.25	PMV	11						
10A	WEEDAR 64 SL	0.50	LAA	11	50	98	86	88	82	96
B	RNDUP POWERMAX	0.50	LAA	11						
C	PREFERENCE	0.25	PMV	11						
11A	WEEDAR 64 SL	0.75	LAA	11	62	99	92	92	88	96
B	RNDUP POWERMAX	0.75	LAA	11						
C	PREFERENCE	0.25	PMV	11						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	WEEDAR 64 SL	1.00	LAA	11	75	99	93	93	92	98
B	RNDUP POWERMAX	1.00	LAA	11						
C	PREFERENCE	0.25	PMV	11						
14A	RNDUP POWERMAX	0.50	LAA	11	0	95	42	50	50	40
B	PREFERENCE	0.25	PMV	11						
15A	RNDUP POWERMAX	0.75	LAA	11	0	99	67	72	60	55
B	PREFERENCE	0.25	PMV	11						
16A	RNDUP POWERMAX	1.00	LAA	11	0	99	72	80	67	70
B	PREFERENCE	0.25	PMV	11						
LSD (0.05)					9.00	2.78	7.21	8.24	6.33	9.00
STANDARD DEVIATION					4.41	1.36	3.53	4.00	3.10	4.38

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PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/08/12	CON % 06/08/12	CON % 06/08/12	CON % 06/08/12	CON % 06/08/12	CON % 06/08/12
1A»	BAS 18322H 5L	0.25	LAA	11	0	0	85	58	53	68
B»	PREFERENCE	0.25	PMV	11						
2A»	BAS 18322H 5L	0.375	LAA	11	1	0	91	75	67	76
B»	PREFERENCE	0.25	PMV	11						
3A»	BAS 18322H 5L	0.50	LAA	11	4	0	96	89	78	89
B»	PREFERENCE	0.25	PMV	11						
4A	WEEDAR 64 SL	0.50	LAA	11	13	0	86	50	60	84
B»	PREFERENCE	0.25	PMV	11						
5A	WEEDAR 64 SL	0.75	LAA	11	32	0	96	65	70	92
B»	PREFERENCE	0.25	PMV	11						
6A	WEEDAR 64 SL	1.00	LAA	11	53	0	99	77	80	97
B»	PREFERENCE	0.25	PMV	11						
7A»	BAS 18322H 5L	0.25	LAA	11	1	96	98	93	93	93
B»	RNDUP POWERMAX	0.50	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
8A»	BAS 18322H 5L	0.375	LAA	11	4	99	99	96	98	95
B»	RNDUP POWERMAX	0.75	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
9A»	BAS 18322H 5L	0.50	LAA	11	3	99	99	98	99	98
B»	RNDUP POWERMAX	1.00	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
10A	WEEDAR 64 SL	0.50	LAA	11	23	97	99	90	91	96
B»	RNDUP POWERMAX	0.50	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
11A	WEEDAR 64 SL	0.75	LAA	11	48	99	99	94	97	99
B»	RNDUP POWERMAX	0.75	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	WEEDAR 64 SL	1.00	LAA	11	63	99	99	98	98	99
B»	RNDUP POWERMAX	1.00	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
14A»	RNDUP POWERMAX	0.50	LAA	11	0	97	77	83	72	70
B»	PREFERENCE	0.25	PMV	11						
15A»	RNDUP POWERMAX	0.75	LAA	11	0	99	91	94	85	85
B»	PREFERENCE	0.25	PMV	11						
16A»	RNDUP POWERMAX	1.00	LAA	11	0	99	93	95	91	93
B»	PREFERENCE	0.25	PMV	11						
LSD (0.05)					8.10	1.27	6.81	8.00	7.37	4.38
STANDARD DEVIATION					4.00	0.624	3.33	3.91	3.61	2.14

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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			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/20/12	CON % 06/20/12	CON % 06/20/12	CON % 06/20/12	CON % 06/20/12	CON % 06/20/12
1A»	BAS 18322H 5L	0.25	LAA	11	0	0	90	50	33	72
B»	PREFERENCE	0.25	PMV	11						
2A»	BAS 18322H 5L	0.375	LAA	11	0	0	98	67	50	78
B»	PREFERENCE	0.25	PMV	11						
3A»	BAS 18322H 5L	0.50	LAA	11	0	0	99	88	67	88
B»	PREFERENCE	0.25	PMV	11						
4A	WEEDAR 64 SL	0.50	LAA	11	10	0	94	40	67	82
B»	PREFERENCE	0.25	PMV	11						
5A	WEEDAR 64 SL	0.75	LAA	11	17	0	99	57	81	94
B»	PREFERENCE	0.25	PMV	11						
6A	WEEDAR 64 SL	1.00	LAA	11	35	0	99	68	90	96
B»	PREFERENCE	0.25	PMV	11						
7A»	BAS 18322H 5L	0.25	LAA	11	0	97	99	95	99	93
B»	RNDUP POWERMAX	0.50	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
8A»	BAS 18322H 5L	0.375	LAA	11	0	98	99	97	99	96
B»	RNDUP POWERMAX	0.75	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
9A»	BAS 18322H 5L	0.50	LAA	11	0	99	99	99	98	98
B»	RNDUP POWERMAX	1.00	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
10A	WEEDAR 64 SL	0.50	LAA	11	13	96	99	84	99	96
B»	RNDUP POWERMAX	0.50	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
11A	WEEDAR 64 SL	0.75	LAA	11	30	96	99	91	99	96
B»	RNDUP POWERMAX	0.75	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	WEEDAR 64 SL	1.00	LAA	11	48	98	99	96	99	97
B»	RNDUP POWERMAX	1.00	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
14A»	RNDUP POWERMAX	0.50	LAA	11	0	98	68	80	96	62
B»	PREFERENCE	0.25	PMV	11						
15A»	RNDUP POWERMAX	0.75	LAA	11	0	99	89	93	97	72
B»	PREFERENCE	0.25	PMV	11						
16A»	RNDUP POWERMAX	1.00	LAA	11	0	99	94	97	99	84
B»	PREFERENCE	0.25	PMV	11						
LSD (0.05)					4.77	1.65	4.16	7.70	6.75	3.51
STANDARD DEVIATION					2.34	0.808	2.00	3.77	3.31	1.72

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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 RATE	UNIT	TM	ZEAMD CON % 07/03/12	SETFA CON % 07/03/12	CHEAL CON % 07/03/12	AMATA CON % 07/03/12	ABUTH CON % 07/03/12	PHBPU CON % 07/03/12
1A»	BAS 18322H 5L	0.25	LAA	11	0	0	82	57	47	60
B»	PREFERENCE	0.25	PMV	11						
2A»	BAS 18322H 5L	0.375	LAA	11	0	0	90	77	60	72
B»	PREFERENCE	0.25	PMV	11						
3A»	BAS 18322H 5L	0.50	LAA	11	3	0	94	84	77	86
B»	PREFERENCE	0.25	PMV	11						
4A	WEEDAR 64 SL	0.50	LAA	11	10	0	82	50	62	83
B»	PREFERENCE	0.25	PMV	11						
5A	WEEDAR 64 SL	0.75	LAA	11	27	0	93	63	70	89
B»	PREFERENCE	0.25	PMV	11						
6A	WEEDAR 64 SL	1.00	LAA	11	45	0	99	75	81	96
B»	PREFERENCE	0.25	PMV	11						
7A»	BAS 18322H 5L	0.25	LAA	11	1	96	98	92	92	90
B»	RNDUP POWERMAX	0.50	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
8A»	BAS 18322H 5L	0.375	LAA	11	0	99	99	96	98	94
B»	RNDUP POWERMAX	0.75	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
9A»	BAS 18322H 5L	0.50	LAA	11	0	99	99	98	98	97
B»	RNDUP POWERMAX	1.00	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
10A	WEEDAR 64 SL	0.50	LAA	11	11	95	99	82	99	95
B»	RNDUP POWERMAX	0.50	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
11A	WEEDAR 64 SL	0.75	LAA	11	25	96	99	89	99	94
B»	RNDUP POWERMAX	0.75	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	WEEDAR 64 SL	1.00	LAA	11	42	98	99	96	99	96
B»	RNDUP POWERMAX	1.00	LAA	11						
C»	PREFERENCE	0.25	PMV	11						
14A»	RNDUP POWERMAX	0.50	LAA	11	0	96	67	77	93	57
B»	PREFERENCE	0.25	PMV	11						
15A»	RNDUP POWERMAX	0.75	LAA	11	0	97	88	92	95	70
B»	PREFERENCE	0.25	PMV	11						
16A»	RNDUP POWERMAX	1.00	LAA	11	0	99	92	96	99	82
B»	PREFERENCE	0.25	PMV	11						
LSD (0.05)					5.52	2.55	10.20	8.74	8.74	4.25
STANDARD DEVIATION					2.70	1.25	5.00	4.28	4.28	2.08

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 11 = ----- / EPOST 05/25/2012(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	06/01/2012	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Dicamba and 2,4-D Comparison for Weed Control in RR/LL Corn. AS-100

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
002	SETFA	CON %	06/01/2012	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/01/2012	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/01/2012	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/01/2012	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/01/2012	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/08/2012	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/08/2012	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/08/2012	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/08/2012	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/08/2012	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/08/2012	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/20/2012	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	06/20/2012	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/20/2012	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	06/20/2012	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/20/2012	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/20/2012	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	07/03/2012	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	07/03/2012	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	07/03/2012	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	AMATA	CON %	07/03/2012	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ABUTH	CON %	07/03/2012	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	07/03/2012	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = N72F3000GT