

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV. CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	12	13	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	06/06/05	06/10/05	AME
AIR TEMPERATURE	85	87	F
% REL. HUMIDITY	40	45	
WIND DIRECTION	WEST	SOUTH	
WIND SPEED	5.0	3.0	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
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
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 ***			
CORN, DENT	---/15	---/16	
FS 648 LL	15.0/15.0	20.0/20.0	IN
04/19/2005			
*** PEST ***			
WATERHEMP, COMMO	---/19	---/19	
	2.00/8.00	4.00/12.0	IN
LAMBSQUARTERS, C	---/19	---/19	
	2.00/8.00	4.00/12.0	IN
MORNINGGLORY, TA	---/15	---/18	
	2.00/4.00	3.00/5.00	IN
FOXTAIL, GIANT	---/13	---/15	
	2.00/8.00	8.00/12.0	IN

* TIMING CODES

12 = ----- / POST
 13 = ----- / LPOST

* STAGE CODE

13 = 3 LEAVES UNFOLDED
 15 = 5 LEAVES UNFOLDED
 16 = 6 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Comparison of glufosinate formulations and adjuvants in LL Corn
CREATED: 04/15/2005 **REVISED:** 08/10/2005 **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 **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMATA	PHBPU	ZEAMD
		RATE	UNIT		CON % 06/20/05	CON % 06/20/05	CON % 06/20/05	CON % 06/28/05	CON % 06/28/05	CON % 07/06/05
1A	AE F039866 1.6	0.27	LAA	12	0	96	97	95	92	0
	B>CALLISTO 4SC	0.094	LAA	12						
	C>LIQUID AMS	5.00	PMV	12						
2A	OPTION 35WDG	0.033	LAA	12	12	84	83	78	67	12
	B>CALLISTO 4SC	0.047	LAA	12						
	C>MSO	1.00	PMV	12						
	D 28% UAN	2.00	PMV	12						
3A	LIBERTY 1.67SL	0.42	LAA	12	0	98	92	95	90	0
	B>LIQUID AMS	5.00	PMV	12						
4A	AE F039866 1.6	0.42	LAA	12	0	99	97	98	95	0
	B>LIQUID AMS	5.00	PMV	12						
5A	AE F039866 1.6	0.42	LAA	12	0	99	98	99	98	0
	B ATRAZINE DF	0.50	LAA	12						
	C>LIQUID AMS	5.00	PMV	12						
6A	AE F039866 1.6	0.42	LAA	12	0	99	98	98	98	0
	B>CALLISTO 4SC	0.031	LAA	12						
	C>LIQUID AMS	5.00	PMV	12						
7A	AE F039866 1.6	0.42	LAA	12	0	99	98	99	98	0
	B>CALLISTO 4SC	0.047	LAA	12						
	C>LIQUID AMS	5.00	PMV	12						
8A	AE F039866 1.6	0.42	LAA	12	0	99	98	98	98	0
	B>CALLISTO 4SC	0.063	LAA	12						
	C>LIQUID AMS	5.00	PMV	12						
9A	AE F039866 1.6	0.42	LAA	12	0	99	99	98	99	0
	B>CALLISTO 4SC	0.094	LAA	12						
	C>LIQUID AMS	5.00	PMV	12						
10A	DEFINE SC 4	0.50	LAA	12	2	23	96	79	77	0
	B BUCTRIL+ATRA	0.56	LAA	12						
11A	DEFINE SC 4	0.50	LAA	12	0	20	97	96	94	0
	B BUCTRIL+ATRA	0.56	LAA	12						
	C>CALLISTO 4SC	0.031	LAA	12						
12A	DEFINE SC 4	0.50	LAA	12	0	20	96	94	91	0
	B BUCTRIL 4EC	0.50	LAA	12						
	C>CALLISTO 4SC	0.031	LAA	12						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A	LIBERTY 1.67SL	0.26	LAA	13	0	83	58	77	55	0
15A	LIBERTY 1.67SL	0.26	LAA	13	0	87	60	78	63	0
	B>N-PAK AMS	5.00	PMV	13						
16A	LIBERTY 1.67SL	0.26	LAA	13	0	88	66	80	65	0
	B>CLASS ACT NG	2.50	PMV	13						
17A	LIBERTY 1.67SL	0.26	LAA	13	0	89	67	81	67	0
	B>CLASS ACT NG	2.50	PMV	13						
	C>AG 05017	2.00	ZMA	13						
18A	LIBERTY 1.67SL	0.26	LAA	13	0	83	55	77	62	0
	B>CLASS ACT NG	2.50	PMV	13						
	C>AG 05017	4.00	ZMA	13						
19A	LIBERTY 1.67SL	0.26	LAA	13	0	87	60	85	68	0
	B>CLASS ACT NG	2.50	PMV	13						
	C>PLACEMENT	5.00	ZMA	13						

TITLE: Comparison of glufosinate formulations and adjuvants in LL Corn

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	PHBPU	ZEAMD
		RATE	UNIT TM	CON % 06/20/05	CON % 06/20/05	CON % 06/20/05	CON % 06/28/05	CON % 06/28/05	CON % 07/06/05
20A	LIBERTY 1.67SL	0.26	LAA 13	0	90	68	87	73	0
	B»AG 03002	2.50	PMV 13						
			LSD (0.05)	1.47	6.09	14.30	8.77	10.59	1.07
			STANDARD DEVIATION	0.725	3.00	7.08	4.34	5.24	0.527

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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** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	CHEAL	AMATA	PHBPU
		RATE	UNIT		CON % 07/06/05	CON % 07/06/05	CON % 07/06/05	CON % 07/06/05
1A»	AE F039866 1.6	0.27	LAA 12		90	96	91	89
	B»CALLISTO 4SC	0.094	LAA 12					
	C»LIQUID AMS	5.00	PMV 12					
2A»	OPTION 35WDG	0.033	LAA 12		94	97	57	82
	B»CALLISTO 4SC	0.047	LAA 12					
	C»MSO	1.00	PMV 12					
	D 28% UAN	2.00	PMV 12					
3A	LIBERTY 1.67SL	0.42	LAA 12		98	82	97	91
	B»LIQUID AMS	5.00	PMV 12					
4A»	AE F039866 1.6	0.42	LAA 12		97	91	97	94
	B»LIQUID AMS	5.00	PMV 12					
5A»	AE F039866 1.6	0.42	LAA 12		98	98	98	97
	B ATRAZINE DF	0.50	LAA 12					
	C»LIQUID AMS	5.00	PMV 12					
6A»	AE F039866 1.6	0.42	LAA 12		96	96	96	93
	B»CALLISTO 4SC	0.031	LAA 12					
	C»LIQUID AMS	5.00	PMV 12					
7A»	AE F039866 1.6	0.42	LAA 12		97	98	96	96
	B»CALLISTO 4SC	0.047	LAA 12					
	C»LIQUID AMS	5.00	PMV 12					
8A»	AE F039866 1.6	0.42	LAA 12		98	98	96	96
	B»CALLISTO 4SC	0.063	LAA 12					
	C»LIQUID AMS	5.00	PMV 12					
9A»	AE F039866 1.6	0.42	LAA 12		96	97	95	95
	B»CALLISTO 4SC	0.094	LAA 12					
	C»LIQUID AMS	5.00	PMV 12					
10A	DEFINE SC 4	0.50	LAA 12		20	98	81	88
	B BUCTRIL+ATRA	0.56	LAA 12					
11A	DEFINE SC 4	0.50	LAA 12		23	99	99	96
	B BUCTRIL+ATRA	0.56	LAA 12					
	C»CALLISTO 4SC	0.031	LAA 12					
12A	DEFINE SC 4	0.50	LAA 12		23	99	99	96
	B BUCTRIL 4EC	0.50	LAA 12					
	C»CALLISTO 4SC	0.031	LAA 12					
13A	CHECK	0.00	NA 0		0	0	0	0
14A	LIBERTY 1.67SL	0.26	LAA 13		47	28	40	23
15A	LIBERTY 1.67SL	0.26	LAA 13		72	47	70	40
	B»N-PAK AMS	5.00	PMV 13					
16A	LIBERTY 1.67SL	0.26	LAA 13		78	50	70	43
	B»CLASS ACT NG	2.50	PMV 13					
17A	LIBERTY 1.67SL	0.26	LAA 13		79	55	72	45
	B»CLASS ACT NG	2.50	PMV 13					
	C»AG 05017	2.00	ZMA 13					
18A	LIBERTY 1.67SL	0.26	LAA 13		72	43	60	37
	B»CLASS ACT NG	2.50	PMV 13					
	C»AG 05017	4.00	ZMA 13					
19A	LIBERTY 1.67SL	0.26	LAA 13		57	40	43	27
	B»CLASS ACT NG	2.50	PMV 13					
	C»PLACEMENT	5.00	ZMA 13					

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TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 07/06/05	CHEAL CON % 07/06/05	AMATA CON % 07/06/05	PHBPU CON % 07/06/05
20A LIBERTY 1.67SL	0.26	LAA	13	67	52	67	30
B»AG 03002	2.50	PMV	13				
	LSD (0.05)			6.79	11.34	10.15	7.69
	STANDARD DEVIATION			3.36	5.61	5.00	3.81

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
12 = ----- / POST 06/06/2005(1)
13 = ----- / LPOST 06/10/2005(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	ZEAMD	CON %	06/20/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/20/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/20/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/28/2005	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/28/2005	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	07/06/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/06/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	07/06/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	07/06/2005	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/06/2005	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = FS 648 LL