

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
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQUID MI	
APPLICATION DATE	05/28/15	AME
AIR TEMPERATURE	79	F
% REL.HUMIDITY	41	
WIND DIRECTION	EAST	
WIND SPEED	6.0	M/H
CLOUD COVER	CLEAR-0%	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	TO BE SEL	
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	
CROP *		
P, CORN, DENT	---/15	
GH G10 D98-3122	12.0/12.0	IN
(PLANTED) 04/29/2015	29 DAP	
PEST *		
P, VELVETLEAF	---/15 2.00/6.00	IN
P, WATERHEMP, COMMO	---/19 2.00/6.00	IN
P, LAMBSQUARTERS, C	---/18 1.00/3.00	IN
P, MORNINGGLORY, TA	---/15 2.00/4.00	IN
P, FOXTAIL, GIANT	---/16 4.00/8.00	IN
P, COCKLEBUR, COMMO	---/15 3.00/6.00	IN

* TIMING CODES

12 = --- / POST

* STAGE CODE

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

TITLE: Glufosinate and NUP-15011 Combinations for Weed Control in RR/LL Corn. AS-400
CREATED: 04/19/2015 **REVISED:** 10/28/2015 **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 CON % 06/10/15	SETFA CON % 06/10/15	CHEAL CON % 06/10/15	AMATA CON % 06/10/15	ABUTH CON % 06/10/15	PHBPU CON % 06/10/15
		RATE	UNIT	TM						
1A»	CHEETAH 2.34L	0.53	LAA	12	0	97	99	99	99	96
B»	LIQUID AMS	2.50	PMV	12						
2A»	NUP-15011	3.00	ZMA	12	0	0	80	82	93	62
B»	LIQUID AMS	2.50	PMV	12						
3A»	CHEETAH 2.34L	0.40	LAA	12	0	97	99	99	99	97
B»	NUP-15011	2.50	ZMA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A»	CHEETAH 2.34L	0.40	LAA	12	0	97	99	99	99	96
B»	NUP-15011	3.00	ZMA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A»	CHEETAH 2.34L	0.53	LAA	12	0	97	99	99	99	97
B»	NUP-15011	2.50	ZMA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	CHEETAH 2.34L	0.53	LAA	12	0	98	99	99	99	98
B»	NUP-15011	3.00	ZMA	12						
C»	LIQUID AMS	2.50	PMV	12						
7A»	CHEETAH 2.34L	0.40	LAA	12	0	99	99	99	99	98
B»	NUP-15011	2.50	ZMA	12						
C	ATRAZINE DF	1.00	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	LIBERTY 2.34L	0.40	LAA	12	0	99	99	99	99	98
B	ATRAZINE DF	1.00	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
9A»	LIBERTY 2.34L	0.40	LAA	12	1	98	99	99	99	96
B»	DIFLEXX 4L	0.25	LAA	12						
C»	COC	1.00	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LIBERTY 2.34L	0.40	LAA	12	0	98	99	99	99	97
B»	STATUS 56DG	0.175	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
12A»	LIBERTY 2.34L	0.40	LAA	12	0	99	99	99	99	98
B	ATRAZINE DF	1.00	LAA	12						
C»	DIFLEXX 4L	0.25	LAA	12						
D»	COC	1.00	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					0.847	1.61	2.44	1.41	1.23	3.00
STANDARD DEVIATION					0.408	0.777	1.18	0.68	0.593	1.44

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT	TM	CON % 06/10/15	CON % 06/27/15	CON % 06/27/15	CON % 06/27/15	CON % 06/27/15	CON % 06/27/15
1A»	CHEETAH 2.34L	0.53	LAA	12	96	0	88	91	92	94
B»	LIQUID AMS	2.50	PMV	12						
2A»	NUP-15011	3.00	ZMA	12	87	0	0	99	99	99
B»	LIQUID AMS	2.50	PMV	12						
3A»	CHEETAH 2.34L	0.40	LAA	12	98	0	94	99	99	99
B»	NUP-15011	2.50	ZMA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A»	CHEETAH 2.34L	0.40	LAA	12	98	0	93	99	99	99
B»	NUP-15011	3.00	ZMA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A»	CHEETAH 2.34L	0.53	LAA	12	98	0	94	99	98	99
B»	NUP-15011	2.50	ZMA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	CHEETAH 2.34L	0.53	LAA	12	98	0	93	99	99	99
B»	NUP-15011	3.00	ZMA	12						
C»	LIQUID AMS	2.50	PMV	12						
7A»	CHEETAH 2.34L	0.40	LAA	12	99	0	98	99	99	99
B»	NUP-15011	2.50	ZMA	12						
C	ATRAZINE DF	1.00	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	LIBERTY 2.34L	0.40	LAA	12	99	0	94	99	99	99
B	ATRAZINE DF	1.00	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
9A»	LIBERTY 2.34L	0.40	LAA	12	99	0	89	99	99	99
B»	DIFLEXX 4L	0.25	LAA	12						
C»	COC	1.00	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LIBERTY 2.34L	0.40	LAA	12	98	0	87	96	99	99
B»	STATUS 56DG	0.175	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
12A»	LIBERTY 2.34L	0.40	LAA	12	99	0	94	99	99	99
B	ATRAZINE DF	1.00	LAA	12						
C»	DIFLEXX 4L	0.25	LAA	12						
D»	COC	1.00	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					1.77	0.00	3.30	1.47	1.50	2.00
STANDARD DEVIATION					0.853	0.00	1.59	0.709	0.721	1.00

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE			PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %
					06/27/15	06/27/15
1A»	CHEETAH 2.34L	0.53	LAA	12	83	87
B»	LIQUID AMS	2.50	PMV	12		
2A»	NUP-15011	3.00	ZMA	12	67	84
B»	LIQUID AMS	2.50	PMV	12		
3A»	CHEETAH 2.34L	0.40	LAA	12	92	91
B»	NUP-15011	2.50	ZMA	12		
C»	LIQUID AMS	2.50	PMV	12		
4A»	CHEETAH 2.34L	0.40	LAA	12	95	95
B»	NUP-15011	3.00	ZMA	12		
C»	LIQUID AMS	2.50	PMV	12		
5A»	CHEETAH 2.34L	0.53	LAA	12	94	94
B»	NUP-15011	2.50	ZMA	12		
C»	LIQUID AMS	2.50	PMV	12		
6A»	CHEETAH 2.34L	0.53	LAA	12	96	95
B»	NUP-15011	3.00	ZMA	12		
C»	LIQUID AMS	2.50	PMV	12		
7A»	CHEETAH 2.34L	0.40	LAA	12	98	97
B»	NUP-15011	2.50	ZMA	12		
C	ATRAZINE DF	1.00	LAA	12		
D»	LIQUID AMS	2.50	PMV	12		
8A»	LIBERTY 2.34L	0.40	LAA	12	95	93
B	ATRAZINE DF	1.00	LAA	12		
C»	LIQUID AMS	2.50	PMV	12		
9A»	LIBERTY 2.34L	0.40	LAA	12	89	89
B»	DIFLEXX 4L	0.25	LAA	12		
C»	COC	1.00	PMV	12		
D»	LIQUID AMS	2.50	PMV	12		
10A	CHECK	0.00	NA	0	0	0
11A»	LIBERTY 2.34L	0.40	LAA	12	86	87
B»	STATUS 56DG	0.175	LAA	12		
C»	ACTIVATOR 90	0.25	PMV	12		
D»	LIQUID AMS	2.50	PMV	12		
12A»	LIBERTY 2.34L	0.40	LAA	12	95	93
B	ATRAZINE DF	1.00	LAA	12		
C»	DIFLEXX 4L	0.25	LAA	12		
D»	COC	1.00	PMV	12		
E»	LIQUID AMS	2.50	PMV	12		
LSD (0.05)					5.38	6.19
STANDARD DEVIATION					2.59	3.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 12 = --- / POST 05/28/2015(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 %	06/10/2015	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/10/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/10/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/10/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
005	ABUTH	CON %	06/10/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/10/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/10/2015	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/27/2015	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/27/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/27/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/27/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/27/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/27/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/27/2015	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = GH G10 D98-3122