

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 10 X 30 FEET
PLOT AREA: 300 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMI	LIQMI	LIQMI	
APPLICATION DATE	05/07/14	05/29/14	06/03/14	AME
AIR TEMPERATURE	87	85	81	F
% REL.HUMIDITY	39	61	65	
WIND DIRECTION	SOUTH	NORTHEAST	WEST	
WIND SPEED	12.0	7.0	4.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	CLEAR	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	15.00	15.00	15.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	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	DEN / STG MIN / MAX	
CROP *				
P, CORN, DENT		---/13	---/14	
DKC63-33RRL		6.00/8.00	10.0/10.0	IN
(PLANTED) 05/07/2014		22 DAP	27 DAP	
PEST *				
P, WATERHEMP, COMMO		---/18	---/19	
		2.00/3.00	3.00/5.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
11 = ----- / EPOST
12 = ----- / POST

* STAGE CODE

13 = 3 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Syngenta Corn Herbicide Combinations for HPPD-Resis. Waterhemp Control. Sidney
CREATED: 04/27/2014 **REVISED:** 08/22/2014 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Sidney **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	AMATA	ZEAMD	AMATA	ZEAMD	AMATA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				05/29/14	05/29/14	06/17/14	06/17/14	07/02/14	07/02/14
1A	CHECK	0.00	NA 0	0	0	0	0	0	0
2A»	LUMAX EZ 3.67S	2.98	LAA 9	0	99	0	86	0	82
3A»	LUMAX EZ 3.67S	2.98	LAA 9	0	99	0	85	0	80
B	ATRAZINE DF	1.00	LAA 9						
4A»	LUMAX EZ 3.67S	2.98	LAA 9	0	99	0	94	0	90
B»	TRICOR 75DF	0.25	LAA 9						
5A	BICEP II MAG	1.79	LAA 9	0	55	5	97	0	98
B»	HALEX GT 4.38L	1.97	LAA 12						
C	ATRAZINE DF	0.50	LAA 12						
D»	ACTIVATOR 90	0.25	PMV 12						
E»	LIQUID AMS	2.50	PMV 12						
6A	BICEP II MAG	1.79	LAA 9	0	32	0	98	0	98
B»	HALEX GT 4.38L	1.97	LAA 12						
C»	STATUS 56DG	0.175	LAA 12						
D»	ACTIVATOR 90	0.25	PMV 12						
E»	LIQUID AMS	2.50	PMV 12						
7A»	LUMAX EZ 3.67S	1.49	LAA 9	0	96	5	99	0	98
B»	HALEX GT 4.38L	1.97	LAA 12						
C	ATRAZINE DF	0.50	LAA 12						
D»	ACTIVATOR 90	0.25	PMV 12						
E»	LIQUID AMS	2.50	PMV 12						
8A	DUAL II MAGNUM	1.15	LAA 9	0	50	0	22	0	27
9A	DUAL II MAGNUM	1.15	LAA 9	0	23	0	96	0	93
B»	HALEX GT 4.38L	1.97	LAA 11						
C	ATRAZINE DF	0.50	LAA 11						
D»	ACTIVATOR 90	0.25	PMV 11						
E»	LIQUID AMS	2.50	PMV 11						
10A	DUAL II MAGNUM	1.15	LAA 9	0	30	0	82	0	73
B»	TOUCHDN TOTAL	0.94	LAA 11						
C»	LIQUID AMS	2.50	PMV 11						
11A	DUAL II MAGNUM	1.15	LAA 9	0	45	0	86	0	80
B»	STATUS 56DG	0.175	LAA 11						
C»	ACTIVATOR 90	0.25	PMV 11						
D»	LIQUID AMS	2.50	PMV 11						
12A	DUAL II MAGNUM	1.15	LAA 9	0	43	0	30	0	30
B	ATRAZINE DF	1.00	LAA 11						
C»	COC	1.00	PMV 11						
D»	LIQUID AMS	2.50	PMV 11						
13A	DUAL II MAGNUM	1.15	LAA 9	0	58	0	45	0	50
B	CALLISTO 4SC	0.094	LAA 11						
C»	COC	1.00	PMV 11						
D»	LIQUID AMS	2.50	PMV 11						
14A	DUAL II MAGNUM	1.15	LAA 9	0	18	5	92	0	94
B	CALLISTO 4SC	0.188	LAA 11						
C»	COC	1.00	PMV 11						
D»	LIQUID AMS	2.50	PMV 11						
15A	DUAL II MAGNUM	1.15	LAA 9	0	55	5	97	0	97
B	CALLISTO 4SC	0.375	LAA 11						
C»	COC	1.00	PMV 11						
D»	LIQUID AMS	2.50	PMV 11						

TITLE: Syngenta Corn Herbicide Combinations for HPPD-Resis. Waterhemp Control. Sidney

TRT	TREATMENT	DOSAGE	ZEAMD	AMATA	ZEAMD	AMATA	ZEAMD	AMATA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					05/29/14	05/29/14	06/17/14	06/17/14
16A	DUAL II MAGNUM	1.15	LAA	9	0	67	5	94
	B CALLISTO 4SC	0.094	LAA	11				0
	C ATRAZINE DF	1.00	LAA	11				93
	D»COC	1.00	PMV	11				
	E»LIQUID AMS	2.50	PMV	11				
	LSL (0.05)				0.00	24.00	0.00	5.90
	STANDARD DEVIATION				0.00	11.77	0.00	2.89
								11.60
								5.68

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/07/2014(1)
 11 = ----- / EPOST 05/29/2014(2)
 12 = ----- / POST 06/03/2014(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	05/29/2014	01	P	ZEAMD	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	05/29/2014	02	P	AMATA	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ZEAMD	CON %	06/17/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/17/2014	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	07/02/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	07/02/2014	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = DKC63-33RRL

* STAGE CODE

13 = 3 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED