

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.6
 %OM: 5.4
 PREV.CROP: GLXMA - soybean;soya bean;soybean
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 4

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/25/16	06/13/16	AME
TIME - BEGIN	15:10	11:15	24H
TIME - END	15:30	11:30	24H
AIR TEMPERATURE	82	90	F
% REL.HUMIDITY	43	38	
WIND DIRECTION	SOUTHWEST	SOUTHEAST	
WIND SPEED	8.0	2.0	M/H
CLOUD COVER	CLOUDY--6	CLEAR-0%	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	75/4.00	79/4.00	F/IN
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE VOLUME	0.00	0.00	GPM
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
BOOM HEIGHT	20.0	18.0	IN
SPEED	3.00	3.00	M/H
MIX SIZE	0.430	0.430	
MIX SIZE UNIT	GAL	GAL	
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	TO BE SEL	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	DEN / STG MIN / MAX	
CROP *			
P, dent corn DKC64-87 (PLANTED) 05/25/2016		---/14 10.0/12.0 19 DAP	IN
PEST *			
P, velvetleaf;velve		---/13 1.00/3.00	IN
P, careless weed;Pa		---/18 1.00/6.00	IN
P, common morning g		---/15 1.00/4.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	
PEST *			
P, giant foxtail;no		---/13 1.00/6.00	IN

* TIMING CODES

09 = --- / PREEMERGENCE
11 = --- / EPOST

* STAGE CODE

13 = 3 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: HAI Argos and Callisto Comparison for PRE and POST applications in corn. R-3N
CREATED: 05/16/2016 **REVISED:** 08/25/2016 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMAPA	PHBPU	ABUTH	ZEAMD	SETFA	
		RATE	UNIT	TM	CON % 06/20/16	CON % 06/20/16	CON % 06/20/16	CON % 06/20/16	CON % 06/27/16	CON % 06/27/16	
1A	HAI MESOTRIONE	0.12	LAA	9	0	64	56	99	0	0	
2A	CALLISTO 4SC	0.12	LAA	9	0	68	50	99	0	0	
3A	HAI MESOTRIONE	0.24	LAA	9	0	90	76	99	0	0	
4A	CALLISTO 4SC	0.24	LAA	9	0	92	75	99	0	0	
5A	METOLACHLOR 7.	1.95	LAA	9	86	98	90	97	0	83	
	B>HAI MESOTRIONE	0.201	LAA	9							
	C ATRAZINE DF	0.75	LAA	9							
6A	LUMAX EZ 3.67S	2.96	LAA	9	91	99	90	99	0	85	
7A	METOLACHLOR 7.	1.56	LAA	9	85	97	90	99	0	85	
	B>HAI MESOTRIONE	0.196	LAA	9							
	C ATRAZINE DF	1.50	LAA	9							
8A	LEXAR EZ 3.7SC	3.24	LAA	9	83	97	92	97	0	82	
9A	HAI MESOTRIONE	0.047	LAA	11	0	56	68	99	0	3	
	B>COC	1.00	PMV	11							
10A	CALLISTO 4SC	0.047	LAA	11	0	53	66	99	0	0	
	B>COC	1.00	PMV	11							
11A	HAI MESOTRIONE	0.094	LAA	11	5	76	79	99	0	13	
	B>COC	1.00	PMV	11							
12A	CALLISTO 4SC	0.094	LAA	11	8	78	81	99	0	5	
	B>COC	1.00	PMV	11							
13A	CHECK	0.00	NA	0	0	0	0	0	0	0	
14A	HAI MESOTRIONE	0.188	LAA	11	24	92	89	99	0	10	
	B>COC	1.00	PMV	11							
15A	CALLISTO 4SC	0.188	LAA	11	20	89	84	99	0	0	
	B>COC	1.00	PMV	11							
16A	CALLISTO 4SC	0.094	LAA	11	50	99	97	99	0	40	
	B ATRAZINE DF	0.50	LAA	11							
	C>COC	1.00	PMV	11							
	D>LIQUID AMS	2.50	PMV	11							
					LSD (0.05)	6.7	12.6	6.3	2.2	0.0	8.7
					STANDARD DEVIATION	3.3	6.3	3.2	1.1	0.0	4.4

TITLE: HAI Argos and Callisto Comparison for PRE and POST applications in corn. R-3N
CREATED: 05/16/2016 **REVISED:** 08/25/2016 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMAPA	PHBPU	ABUTH	ZEAMD	SETFA	AMAPA	
		RATE	UNIT	TM	CON % 06/27/16	CON % 06/27/16	CON % 06/27/16	CON % 07/05/16	CON % 07/05/16	CON % 07/05/16	
1A	HAI MESOTRIONE	0.12	LAA	9	60	55	99	C	C	C	
2A	CALLISTO 4SC	0.12	LAA	9	62	55	99	C	C	C	
3A	HAI MESOTRIONE	0.24	LAA	9	86	75	99	C	C	C	
4A	CALLISTO 4SC	0.24	LAA	9	86	74	99	C	C	C	
5A	METOLACHLOR 7.	1.95	LAA	9	97	83	99	C	C	C	
	B>HAI MESOTRIONE	0.201	LAA	9							
	C ATRAZINE DF	0.75	LAA	9							
6A	LUMAX EZ 3.67S	2.96	LAA	9	98	82	99	C	C	C	
7A	METOLACHLOR 7.	1.56	LAA	9	98	80	99	C	C	C	
	B>HAI MESOTRIONE	0.196	LAA	9							
	C ATRAZINE DF	1.50	LAA	9							
8A	LEXAR EZ 3.7SC	3.24	LAA	9	97	83	99	C	C	C	
9A	HAI MESOTRIONE	0.047	LAA	11	60	63	99	0	0	55	
	B>COC	1.00	PMV	11							
10A	CALLISTO 4SC	0.047	LAA	11	50	60	99	0	0	46	
	B>COC	1.00	PMV	11							
11A	HAI MESOTRIONE	0.094	LAA	11	66	71	99	0	0	63	
	B>COC	1.00	PMV	11							
12A	CALLISTO 4SC	0.094	LAA	11	58	64	99	0	0	64	
	B>COC	1.00	PMV	11							
13A	CHECK	0.00	NA	0	0	0	0	0	0	0	
14A	HAI MESOTRIONE	0.188	LAA	11	85	87	99	0	5	83	
	B>COC	1.00	PMV	11							
15A	CALLISTO 4SC	0.188	LAA	11	86	85	99	0	3	85	
	B>COC	1.00	PMV	11							
16A	CALLISTO 4SC	0.094	LAA	11	99	92	99	0	38	98	
	B ATRAZINE DF	0.50	LAA	11							
	C>COC	1.00	PMV	11							
	D>LIQUID AMS	2.50	PMV	11							
					LSD (0.05)	13.9	10.5	0.0	0.0	6.1	8.7
					STANDARD DEVIATION	7.0	5.3	0.0	0.0	3.1	4.4

TITLE: HAI Argos and Callisto Comparison for PRE and POST applications in corn. R-3N
CREATED: 05/16/2016 **REVISED:** 08/25/2016 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	ABUTH
		RATE	UNIT	TM	CON % 07/05/16	CON % 07/05/16
1A	HAI MESOTRIONE	0.12	LAA	9	C	C
2A	CALLISTO 4SC	0.12	LAA	9	C	C
3A	HAI MESOTRIONE	0.24	LAA	9	C	C
4A	CALLISTO 4SC	0.24	LAA	9	C	C
5A	METOLACHLOR 7.	1.95	LAA	9	C	C
	B>HAI MESOTRIONE	0.201	LAA	9		
	C ATRAZINE DF	0.75	LAA	9		
6A	LUMAX EZ 3.67S	2.96	LAA	9	C	C
7A	METOLACHLOR 7.	1.56	LAA	9	C	C
	B>HAI MESOTRIONE	0.196	LAA	9		
	C ATRAZINE DF	1.50	LAA	9		
8A	LEXAR EZ 3.7SC	3.24	LAA	9	C	C
9A	HAI MESOTRIONE	0.047	LAA	11	66	99
	B>COC	1.00	PMV	11		
10A	CALLISTO 4SC	0.047	LAA	11	58	99
	B>COC	1.00	PMV	11		
11A	HAI MESOTRIONE	0.094	LAA	11	75	99
	B>COC	1.00	PMV	11		
12A	CALLISTO 4SC	0.094	LAA	11	75	99
	B>COC	1.00	PMV	11		
13A	CHECK	0.00	NA	0	0	0
14A	HAI MESOTRIONE	0.188	LAA	11	85	99
	B>COC	1.00	PMV	11		
15A	CALLISTO 4SC	0.188	LAA	11	83	99
	B>COC	1.00	PMV	11		
16A	CALLISTO 4SC	0.094	LAA	11	86	99
	B ATRAZINE DF	0.50	LAA	11		
	C>COC	1.00	PMV	11		
	D>LIQUID AMS	2.50	PMV	11		
		LSLSD (0.05)			8.8	0.0
		STANDARD DEVIATION			4.4	0.0

>> = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/25/2016(1)
 11 = --- / EPOST 06/13/2016(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	06/10/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/10/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMAPA	CON %	06/10/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	06/10/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/10/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/20/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/20/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: HAI Argos and Callisto Comparison for PRE and POST applications in corn. R-3N

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
008	AMAPA	CON %	06/20/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	06/20/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	06/20/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	06/27/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	06/27/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMAPA	CON %	06/27/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	06/27/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ABUTH	CON %	06/27/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ZEAMD	CON %	07/05/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	07/05/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMAPA	CON %	07/05/2016	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	07/05/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	ABUTH	CON %	07/05/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = DKC64-87