

SOIL INFORMATION

TEXTURE: SIL
PH: 5.6
%OM: 3.5
PREV.CROP: NA -
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 4

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQUID MI	
APPLICATION DATE	06/13/17	AME
TIME - BEGIN	09:00	24H
TIME - END	09:20	24H
AIR TEMPERATURE	83	F
% REL.HUMIDITY	60	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	8.0	M/H
CLOUD COVER	CLEAR-0%	
DEW	NO	
SOIL MOISTURE	DRY/ DRY	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	84/4.00	F/IN
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE VOLUME	0.00	GPM
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
BOOM HEIGHT	18.0	IN
SPEED	3.00	M/H
MIX SIZE	0.430	
MIX SIZE UNIT	GAL	
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	32.00	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	---/14	
G10T63-3122 E-Z	7.00/7.00	IN
(PLANTED) 05/18/2017	26 DAP	
PEST *		
P, VELVETLEAF	---/14	
	2.00/3.00	IN
P, AMARANTH, PALMER	---/16	
	2.00/2.00	IN
P, BARNYARDGRASS	---/14	
	3.00/4.00	IN

* TIMING CODES

12 = --- / POST

* STAGE CODE

14 = 4 LEAVES UNFOLDED

14 = 4 LEAVES UNFOLDED

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 123/17/01 00302 : UCARGPOS VC-2
DATA MEAN

TITLE: Argos / HAI Formulation Comparison Post in Corn. VC-2
 CREATED: 05/03/2017 REVISED: 09/25/2017 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		ZEAMD	ECHCG	AMAPA	ABUTH	ZEAMD	ECHCG
		RATE	UNIT TM	CON % 06/20/17	CON % 06/20/17	CON % 06/20/17	CON % 06/20/17	CON % 06/29/17	CON % 06/29/17
1A»	ARGOS 4L	0.047	LAA 12	0	26	61	70	0	30
B»	COC	1.00	PMV 12						
2A»	HAI MESOTRIONE	0.047	LAA 12	0	25	66	76	0	25
B»	COC	1.00	PMV 12						
3A	CALLISTO 4SC	0.047	LAA 12	0	25	66	71	0	30
B»	COC	1.00	PMV 12						
4A»	ARGOS 4L	0.094	LAA 12	0	40	84	94	0	45
B»	COC	1.00	PMV 12						
5A»	HAI MESOTRIONE	0.094	LAA 12	0	48	89	98	0	50
B»	COC	1.00	PMV 12						
6A	CALLISTO 4SC	0.094	LAA 12	0	44	89	96	0	45
B»	COC	1.00	PMV 12						
7A»	ARGOS 4L	0.188	LAA 12	0	71	95	99	0	60
B»	COC	1.00	PMV 12						
8A»	HAI MESOTRIONE	0.188	LAA 12	0	79	97	99	0	69
B»	COC	1.00	PMV 12						
9A	CALLISTO 4SC	0.188	LAA 12	0	65	91	99	0	66
B»	COC	1.00	PMV 12						
10A	CHECK	0.00	NA 0	0	0	0	0	0	0
			LSD (0.05)	0.0	11.1	8.1	5.2	0.0	11.9
			STANDARD DEVIATION	0.0	5.4	4.0	2.5	0.0	5.8

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		RATE	UNIT	TM	CON % 06/29/17	CON % 06/29/17	CON % 07/12/17	CON % 07/12/17	CON % 07/12/17	CON % 07/12/17	
1A»	ARGOS 4L	0.047	LAA	12	76	83	0	0	69	79	
B»	COC	1.00	PMV	12							
2A»	HAI MESOTRIONE	0.047	LAA	12	70	88	0	0	66	86	
B»	COC	1.00	PMV	12							
3A	CALLISTO 4SC	0.047	LAA	12	61	94	0	0	58	90	
B»	COC	1.00	PMV	12							
4A»	ARGOS 4L	0.094	LAA	12	83	99	0	33	80	99	
B»	COC	1.00	PMV	12							
5A»	HAI MESOTRIONE	0.094	LAA	12	86	97	0	38	88	99	
B»	COC	1.00	PMV	12							
6A	CALLISTO 4SC	0.094	LAA	12	84	95	0	35	84	94	
B»	COC	1.00	PMV	12							
7A»	ARGOS 4L	0.188	LAA	12	93	99	0	50	90	99	
B»	COC	1.00	PMV	12							
8A»	HAI MESOTRIONE	0.188	LAA	12	92	94	0	55	87	94	
B»	COC	1.00	PMV	12							
9A	CALLISTO 4SC	0.188	LAA	12	84	98	0	59	82	96	
B»	COC	1.00	PMV	12							
10A	CHECK	0.00	NA	0	0	0	0	0	0	0	
					LS D (0.05)	17.8	10.1	0.0	12.2	17.7	11.0
					STANDARD DEVIATION	8.7	4.9	0.0	6.0	8.6	5.4

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REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	ECHCG	AMAPA	ABUTH
		RATE	UNIT		CON % 07/26/17	CON % 07/26/17	CON % 07/26/17	CON % 07/26/17
1A	»ARGOS 4L	0.047	LAA	12	0	0	53	75
	B»COC	1.00	PMV	12				
2A	»HAI MESOTRIONE	0.047	LAA	12	0	0	55	85
	B»COC	1.00	PMV	12				
3A	CALLISTO 4SC	0.047	LAA	12	0	0	50	89
	B»COC	1.00	PMV	12				
4A	»ARGOS 4L	0.094	LAA	12	0	23	74	99
	B»COC	1.00	PMV	12				
5A	»HAI MESOTRIONE	0.094	LAA	12	0	25	82	98
	B»COC	1.00	PMV	12				
6A	CALLISTO 4SC	0.094	LAA	12	0	23	76	92
	B»COC	1.00	PMV	12				
7A	»ARGOS 4L	0.188	LAA	12	0	38	85	97
	B»COC	1.00	PMV	12				
8A	»HAI MESOTRIONE	0.188	LAA	12	0	43	82	92
	B»COC	1.00	PMV	12				
9A	CALLISTO 4SC	0.188	LAA	12	0	48	78	93
	B»COC	1.00	PMV	12				
10A	CHECK	0.00	NA	0	0	0	0	0
		LSD (0.05)			0.0	11.1	20.0	12.2
		STANDARD DEVIATION			0.0	5.4	9.7	6.0

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 12 = --- / POST 06/13/2017(1)

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 %	06/20/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ECHCG	CON %	06/20/2017	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMAPA	CON %	06/20/2017	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/20/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	06/29/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ECHCG	CON %	06/29/2017	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMAPA	CON %	06/29/2017	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	06/29/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/12/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ECHCG	CON %	07/12/2017	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMAPA	CON %	07/12/2017	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/12/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/26/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ECHCG	CON %	07/26/2017	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMAPA	CON %	07/26/2017	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ABUTH	CON %	07/26/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = G10T63-3122 E-Z