

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	09:40	24H
AIR TEMPERATURE	83	F
% REL.HUMIDITY	70	
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, 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

* STAGE CODE

14 = 4 LEAVES UNFOLDED

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

**TRIAL # US 121/17/01 003 02 : UCHELMPOST VC-2
DATA MEAN**

TITLE: Argos Ultra / HAI Formulation Comparison Post in Corn. VC-2
CREATED: 05/11/2017 **REVISED:** 03/20/2018 **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	PHBPU	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 ULTRA 4.	1.41	LAA	12	0	66	80	76	2	70
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
2A»	ARGOS ULTRA 4.	1.76	LAA	12	4	74	83	83	6	75
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
3A»	ARGOS ULTRA 4.	2.11	LAA	12	5	82	90	88	6	81
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
4A»	HAI MET+MESO#2	1.41	LAA	12	1	71	81	81	2	71
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
5A»	HAI MET+MESO#2	1.76	LAA	12	1	76	87	86	4	73
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
6A»	HAI MET+MESO#2	2.11	LAA	12	4	83	90	90	6	83
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
7A»	HAI MET+MESO#4	1.42	LAA	12	1	80	88	88	2	89
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
8A»	HAI MET+MESO#4	1.78	LAA	12	3	82	90	91	4	84
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
9A»	HAI MET+MESO#4	2.13	LAA	12	2	84	92	93	4	88
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
10A»	HAI MET+MESO#4	1.42	LAA	12	4	81	90	90	3	78
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
11A»	HAI MET+MESO#4	1.78	LAA	12	5	78	88	89	3	71
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
12A»	HAI MET+MESO#4	2.13	LAA	12	7	86	92	93	5	86
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
13A»	ZEMAX 3.67L	2.40	QMA	0	5	84	87	88	3	82
	B DUAL II MAGNUM	2.00	LAA	12						
	C CALLISTO 4SC	0.20	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
14A»	ACURON FLEXI 3	1.22	LAA	12	0	75	76	83	0	84
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
15A»	ACURON FLEXI 3	1.63	LAA	12	1	81	83	86	0	88
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
16A»	ACURON FLEXI 3	1.83	LAA	12	0	83	89	90	0	89
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
17A	CHECK	0.00	NA	0	0	0	0	0	0	0

**TRIAL # US 121/17/01 003 02 : UCHELMPOST VC-2
DATA MEAN**

TITLE: Argos Ultra / HAI Formulation Comparison Post in Corn. VC-2

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	ECHCG	AMAPA	PHBPU	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
18A»	ARGOS ULTRA 4.	1.76	LAA 12	7	84	99	99	7	76
	B ATRAZINE DF	0.50	LAA 12						
	C»ACTIVATOR 90	0.25	PMV 12						
	D»LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		3.1	6.3	4.8	3.9	2.1	9.5
		STANDARD DEVIATION		1.6	3.1	2.4	2.0	1.0	4.8

**TRIAL # US 121/17/01 003 02 : UCHELMPOST VC-2
DATA MEAN**

TITLE: Argos Ultra / HAI Formulation Comparison Post in Corn. VC-2
CREATED: 05/11/2017 **REVISED:** 03/20/2018 **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	ZEAMD	ECHCG	AMAPA	PHBPU
		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 ULTRA 4.	1.41	LAA	12	82	99	0	63	76	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	ARGOS ULTRA 4.	1.76	LAA	12	74	99	0	68	71	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
3A»	ARGOS ULTRA 4.	2.11	LAA	12	81	99	0	78	73	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
4A»	HAI MET+MESO#2	1.41	LAA	12	76	99	0	66	71	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
5A»	HAI MET+MESO#2	1.76	LAA	12	83	98	0	70	80	97
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	HAI MET+MESO#2	2.11	LAA	12	89	99	0	78	85	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
7A»	HAI MET+MESO#4	1.42	LAA	12	90	99	0	85	86	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
8A»	HAI MET+MESO#4	1.78	LAA	12	89	99	0	80	86	98
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
9A»	HAI MET+MESO#4	2.13	LAA	12	89	98	0	85	88	97
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
10A»	HAI MET+MESO#4	1.42	LAA	12	83	99	0	75	79	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
11A»	HAI MET+MESO#4	1.78	LAA	12	83	98	0	69	80	96
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
12A»	HAI MET+MESO#4	2.13	LAA	12	86	99	0	84	81	98
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
13A»	ZEMAX 3.67L	2.40	QMA	0	81	99	0	78	76	99
B	DUAL II MAGNUM	2.00	LAA	12						
C	CALLISTO 4SC	0.20	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
14A»	ACURON FLEXI 3	1.22	LAA	12	79	99	0	81	76	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
15A»	ACURON FLEXI 3	1.63	LAA	12	85	99	0	83	81	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
16A»	ACURON FLEXI 3	1.83	LAA	12	88	99	0	85	83	99
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
17A	CHECK	0.00	NA	0	0	0	0	0	0	0

**TRIAL # US 121/17/01 003 02 : UCHELMPOST VC-2
DATA MEAN**

TITLE: Argos Ultra / HAI Formulation Comparison Post in Corn. VC-2

TRT TREATMENT NUM COMPONENT	DOSAGE		AMAPA	PHBPU	ZEAMD	ECHCG	AMAPA	PHBPU
	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
18A»ARGOS ULTRA 4.	1.76	LAA 12	98	99	0	73	97	99
B ATRAZINE DF	0.50	LAA 12						
C»ACTIVATOR 90	0.25	PMV 12						
D»LIQUID AMS	2.50	PMV 12						
	LSD (0.05)		11.5	1.4	0.0	9.2	10.2	2.7
	STANDARD DEVIATION		5.8	0.7	0.0	4.6	5.1	1.4

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DATA MEAN**

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CREATED: 05/11/2017 **REVISED:** 03/20/2018 **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	PHBPU
		RATE	UNIT	TM	CON % 07/26/17	CON % 07/26/17	CON % 07/26/17	CON % 07/26/17
1A»	ARGOS ULTRA 4.	1.41	LAA	12	0	48	70	97
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
2A»	ARGOS ULTRA 4.	1.76	LAA	12	0	60	61	99
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
3A»	ARGOS ULTRA 4.	2.11	LAA	12	0	68	66	99
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
4A»	HAI MET+MESO#2	1.41	LAA	12	0	56	61	99
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
5A»	HAI MET+MESO#2	1.76	LAA	12	0	58	74	97
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
6A»	HAI MET+MESO#2	2.11	LAA	12	0	68	80	99
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
7A»	HAI MET+MESO#4	1.42	LAA	12	0	75	78	99
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
8A»	HAI MET+MESO#4	1.78	LAA	12	0	69	81	98
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
9A»	HAI MET+MESO#4	2.13	LAA	12	0	74	80	96
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
10A»	HAI MET+MESO#4	1.42	LAA	12	0	63	74	99
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
11A»	HAI MET+MESO#4	1.78	LAA	12	0	56	74	95
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
12A»	HAI MET+MESO#4	2.13	LAA	12	0	71	73	98
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
13A»	ZEMAX 3.67L	2.40	QMA	0	0	68	68	99
B	DUAL II MAGNUM	2.00	LAA	12				
C	CALLISTO 4SC	0.20	LAA	12				
D»	ACTIVATOR 90	0.25	PMV	12				
E»	LIQUID AMS	2.50	PMV	12				
14A»	ACURON FLEXI 3	1.22	LAA	12	0	71	71	98
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
15A»	ACURON FLEXI 3	1.63	LAA	12	0	73	74	98
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
16A»	ACURON FLEXI 3	1.83	LAA	12	0	73	78	99
B»	ACTIVATOR 90	0.25	PMV	12				
C»	LIQUID AMS	2.50	PMV	12				
17A	CHECK	0.00	NA	0	0	0	0	0

TRIAL # US 121/17/01 003 02 : UCHELMPOST VC-2
DATA MEAN

TITLE: Argos Ultra / HAI Formulation Comparison Post in Corn. VC-2

TRT TREATMENT NUM COMPONENT	DOSAGE			ZEAMD	ECHCG	AMAPA	PHBPU
	RATE	UNIT	TM	CON % 07/26/17	CON % 07/26/17	CON % 07/26/17	CON % 07/26/17
18A»ARGOS ULTRA 4.	1.76	LAA	12	0	61	94	98
B ATRAZINE DF	0.50	LAA	12				
C»ACTIVATOR 90	0.25	PMV	12				
D»LIQUID AMS	2.50	PMV	12				
	LSD (0.05)			0.0	10.2	12.1	3.3
	STANDARD DEVIATION			0.0	5.1	6.0	1.7

» = 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	CTRTR	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	PHBPU	CON %	06/20/2017	04	P	PHBPU		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	PHBPU	CON %	06/29/2017	04	P	PHBPU		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	PHBPU	CON %	07/12/2017	04	P	PHBPU		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	PHBPU	CON %	07/26/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = G10T63-3122 E-Z