

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 5.6
%OM: 2.6
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 40 FEET
PLOT AREA: 300 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	04/24/17	05/30/17	AME
TIME - BEGIN	15:55	09:05	24H
TIME - END	16:35	09:15	24H
AIR TEMPERATURE	78	67	F
% REL.HUMIDITY	22	49	
WIND DIRECTION	EAST	NORTHWEST	
WIND SPEED	6.0	8.0	M/H
CLOUD COVER	CLEAR-0%	CLEAR-0%	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	66/4.00	61/4.00	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	20.0	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	42.00	42.00	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, CORN, DENT G10T63-3122 E-Z (PLANTED) 04/24/2017		---/14 5.00/5.00 36 DAP	IN
PEST *			
P, VELVETLEAF		---/12 1.00/2.00	IN
P, WATERHEMP, COMMO		---/13 0.50/1.00	IN
P, LAMBSQUARTERS, C		---/14 0.50/0.50	IN

*** CONTINUE

TRIAL # US 142/17/01 00202 : UCSIPCAM M-12N
APPLICATIONS

SPECIE AND STAGE	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	
PEST * P, MORNINGGLORY, TA		---/12 1.00/1.00	IN
P, FOXTAIL, GIANT		---/16 3.00/3.00	IN
P, COCKLEBUR, COMMO		---/14 3.00/3.00	IN

* TIMING CODES

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

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED

**TRIAL # US 142/17/01 00202 : UCSIPCAM M-12N
DATA MEAN**

TITLE: Weed Control with PRE and EPost Application of Sipcam Herbicides in RR Corn. M-12N
CREATED: 04/21/2017 **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 40.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMATA	ABUTH	CHEAL	PHBPU
		RATE	UNIT	TM	CON % 05/21/17	CON % 05/21/17	CON % 05/21/17	CON % 05/21/17	CON % 05/21/17	CON % 05/21/17
1A	SA-0660001 4.1	0.45	LAA	9	0	17	90	30	80	50
2A	SA-0660001 4.1	0.65	LAA	9	0	43	96	57	93	73
3A	SA-0660001 4.1	0.75	LAA	9	0	23	89	50	88	73
4A	SA-0660001 4.1	1.00	LAA	9	0	43	80	57	80	80
5A	SA-0660001 4.1	0.75	LAA	9	0	96	98	80	99	83
	B»STALWART C 7.8	1.67	LAA	9						
6A	SA-0660001 4.1	0.75	LAA	9	0	98	99	96	96	88
	B»STALWART C 7.8	1.67	LAA	9						
	C»BELLUM 4L	0.094	LAA	9						
7A	SA-0660001 4.1	0.75	LAA	11	C	C	C	C	C	C
	B»RNDUP POWERMAX	0.75	LAA	11						
8A	SA-0660001 4.1	0.75	LAA	9	0	43	99	50	90	72
	B»2,4-D LVE	0.475	LAA	9						
9A	ATRAZINE 4L	1.00	LAA	9	0	70	99	57	99	83
10A	ATRAZINE 4L	1.60	LAA	9	0	67	99	57	93	63
11A	ATRAZINE 4L	2.00	LAA	9	0	43	99	77	99	73
12A	ATRAZINE 4L	1.60	LAA	9	0	99	99	64	99	92
	B»STALWART C 7.8	1.67	LAA	9						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A	ATRAZINE 4L	1.60	LAA	9	0	99	99	94	99	96
	B»STALWART C 7.8	1.67	LAA	9						
	C»BELLUM 4L	0.094	LAA	9						
15A	ATRAZINE 4L	1.60	LAA	11	C	C	C	C	C	C
	B»RNDUP POWERMAX	0.75	LAA	11						
16A	ATRAZINE 4L	1.60	LAA	9	0	68	99	57	89	70
	B»2,4-D LVE	0.475	LAA	9						
		LSD (0.05)			0.0	16.8	13.6	23.7	17.0	20.9
		STANDARD DEVIATION			0.0	8.2	6.7	11.6	8.3	10.2

**TRIAL # US 142/17/01 00202 : UCSIPCAM M-12N
DATA MEAN**

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CREATED: 04/21/2017 **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 40.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	XANST	ZEAMD	SETFA	AMATA	ABUTH	
		RATE	UNIT	TM	CON % 06/09/17	CON % 06/09/17	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17	
1A	SA-0660001 4.1	0.45	LAA	9	7	7	0	20	23	0	
2A	SA-0660001 4.1	0.65	LAA	9	20	13	0	23	27	0	
3A	SA-0660001 4.1	0.75	LAA	9	43	37	0	30	43	0	
4A	SA-0660001 4.1	1.00	LAA	9	60	50	0	43	60	23	
5A	SA-0660001 4.1	0.75	LAA	9	65	50	0	96	99	43	
	B»STALWART C 7.8	1.67	LAA	9							
6A	SA-0660001 4.1	0.75	LAA	9	94	91	0	96	99	91	
	B»STALWART C 7.8	1.67	LAA	9							
	C»BELLUM 4L	0.094	LAA	9							
7A	SA-0660001 4.1	0.75	LAA	11	88	97	0	80	99	47	
	B»RNDUP POWERMAX	0.75	LAA	11							
8A	SA-0660001 4.1	0.75	LAA	9	30	30	0	40	40	0	
	B»2,4-D LVE	0.475	LAA	9							
9A	ATRAZINE 4L	1.00	LAA	9	65	37	0	53	63	27	
10A	ATRAZINE 4L	1.60	LAA	9	73	53	0	50	83	50	
11A	ATRAZINE 4L	2.00	LAA	9	81	57	0	40	80	57	
12A	ATRAZINE 4L	1.60	LAA	9	91	70	0	95	99	65	
	B»STALWART C 7.8	1.67	LAA	9							
13A	CHECK	0.00	NA	0	0	0	0	0	0	0	
14A	ATRAZINE 4L	1.60	LAA	9	93	85	0	93	99	96	
	B»STALWART C 7.8	1.67	LAA	9							
	C»BELLUM 4L	0.094	LAA	9							
15A	ATRAZINE 4L	1.60	LAA	11	94	95	0	84	99	62	
	B»RNDUP POWERMAX	0.75	LAA	11							
16A	ATRAZINE 4L	1.60	LAA	9	67	40	0	47	63	30	
	B»2,4-D LVE	0.475	LAA	9							
					LSD (0.05)	14.7	16.2	0.0	12.1	11.4	12.5
					STANDARD DEVIATION	7.2	8.0	0.0	5.9	5.6	6.1

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PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 40.00 FT LONG
PLOT AREA: 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			CHEAL	PHBPU	XANST
		RATE	UNIT	TM	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17
1A»	SA-0660001 4.1	0.45	LAA	9	27	0	0
2A»	SA-0660001 4.1	0.65	LAA	9	37	7	0
3A»	SA-0660001 4.1	0.75	LAA	9	47	7	0
4A»	SA-0660001 4.1	1.00	LAA	9	63	27	0
5A»	SA-0660001 4.1	0.75	LAA	9	96	67	13
B»	STALWART C 7.8	1.67	LAA	9			
6A»	SA-0660001 4.1	0.75	LAA	9	99	92	88
B»	STALWART C 7.8	1.67	LAA	9			
C»	BELLUM 4L	0.094	LAA	9			
7A»	SA-0660001 4.1	0.75	LAA	11	99	75	90
B»	RNDUP POWERMAX	0.75	LAA	11			
8A»	SA-0660001 4.1	0.75	LAA	9	50	30	27
B»	2,4-D LVE	0.475	LAA	9			
9A	ATRAZINE 4L	1.00	LAA	9	77	57	33
10A	ATRAZINE 4L	1.60	LAA	9	93	57	40
11A	ATRAZINE 4L	2.00	LAA	9	94	73	43
12A	ATRAZINE 4L	1.60	LAA	9	99	89	87
B»	STALWART C 7.8	1.67	LAA	9			
13A	CHECK	0.00	NA	0	0	0	0
14A	ATRAZINE 4L	1.60	LAA	9	99	89	72
B»	STALWART C 7.8	1.67	LAA	9			
C»	BELLUM 4L	0.094	LAA	9			
15A	ATRAZINE 4L	1.60	LAA	11	99	87	98
B»	RNDUP POWERMAX	0.75	LAA	11			
16A	ATRAZINE 4L	1.60	LAA	9	77	50	23
B»	2,4-D LVE	0.475	LAA	9			
LSD (0.05)					10.7	18.7	18.9
STANDARD DEVIATION					5.2	9.1	9.2

» = SUPPLEMENTAL CHEMICAL

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

*** TIMING CODES**

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 04/24/2017(1)
 11 = --- / EPOST 05/30/2017(2)

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 %	05/21/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/21/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	05/21/2017	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	05/21/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	05/21/2017	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/21/2017	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	05/21/2017	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/09/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/09/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/09/2017	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TRIAL # US 142/17/01 002 02 : UCSIPCAM M-12N
 DATA MEAN

TITLE: Weed Control with PRE and EPost Application of Sipcam Herbicides in RR Corn. M-12N

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
011	ABUTH	CON %	06/09/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	CHEAL	CON %	06/09/2017	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/09/2017	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/09/2017	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	06/18/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	06/18/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	06/18/2017	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	06/18/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	CHEAL	CON %	06/18/2017	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	06/18/2017	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	06/18/2017	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = G10T63-3122 E-Z