

TRIAL # US 141/17/01 002 02 : UCGOWAN M-12N
APPLICATIONS

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 5.6
%OM: 2.6
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

DESIGN: RCB
REPS: 4

APPL. NUMBER	01	UNIT
TIMINGS	11	
TYPE	LIQUID MI	
APPLICATION DATE	05/30/17	AME
TIME - BEGIN	08:45	24H
TIME - END	08:55	24H
AIR TEMPERATURE	67	F
% REL.HUMIDITY	48	
WIND DIRECTION	NORTHWEST	
WIND SPEED	8.0	M/H
CLOUD COVER	CLEAR-0%	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	61/4.00	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	20.0	IN
SPEED	3.00	M/H
MIX SIZE	0.330	
MIX SIZE UNIT	GAL	
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	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	4.00/4.00	IN
(PLANTED) 04/24/2017	36 DAP	
PEST *		
P, VELVETLEAF	---/12 0.50/1.00	IN
P, WATERHEMP, COMMO	---/12 0.50/0.50	IN
P, LAMBSQUARTERS, C	---/14 0.50/1.00	IN

*** CONTINUE

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SPECIE AND STAGE	DEN / STG MIN / MAX	
PEST * P, BARNYARDGRASS	---/13 1.00/3.00	IN
P, MORNINGGLORY, TA	---/10 0.50/1.00	IN

* TIMING CODES

11 = --- / EPOST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TRIAL # US 141/17/01 002 02 : UCGOWAN M-12N
DATA MEAN**

TITLE: GWN 10456 for Weed Control in Corn. M-12N
CREATED: 04/21/2017 **REVISED:** 09/21/2017 **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	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT TM	CON % 06/09/17	CON % 06/09/17	CON % 06/09/17	CON % 06/09/17	CON % 06/09/17	CON % 06/09/17
1A»	GWN-10456 79WG	0.049	LAA 11	0	0	45	40	78	50
B»	COC	1.00	PMV 11						
C»	LIQUID AMS	5.00	PMV 11						
2A	CHECK	0.00	NA 0	0	0	0	0	0	0
3A»	GWN-10456 79WG	0.099	LAA 11	0	10	68	60	94	76
B»	COC	1.00	PMV 11						
C»	LIQUID AMS	5.00	PMV 11						
4A	ACCENT 75WG	0.047	LAA 11	0	93	50	28	69	58
B»	COC	1.00	PMV 11						
C»	LIQUID AMS	5.00	PMV 11						
5A	CHECK	0.00	NA 0	0	0	0	0	0	0
6A»	HARMONY 50SG	0.0039	LAA 11	0	0	43	18	71	45
B»	COC	1.00	PMV 11						
C»	LIQUID AMS	5.00	PMV 11						
	LSD (0.05)			0.0	7.4	12.5	13.1	7.0	7.9
	STANDARD DEVIATION			0.0	3.5	5.9	6.1	3.3	3.7

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		RATE	UNIT TM	CON % 06/14/17	CON % 06/14/17	CON % 06/14/17	CON % 06/14/17	CON % 06/14/17	CON % 06/14/17
1A»	GWN-10456 79WG	0.049	LAA 11	0	0	55	69	95	81
B»	COC	1.00	PMV 11						
C»	LIQUID AMS	5.00	PMV 11						
2A	CHECK	0.00	NA 0	0	0	0	0	0	0
3A»	GWN-10456 79WG	0.099	LAA 11	0	0	63	68	99	86
B»	COC	1.00	PMV 11						
C»	LIQUID AMS	5.00	PMV 11						
4A	ACCENT 75WG	0.047	LAA 11	0	97	48	58	71	79
B»	COC	1.00	PMV 11						
C»	LIQUID AMS	5.00	PMV 11						
5A	CHECK	0.00	NA 0	0	0	0	0	0	0
6A»	HARMONY 50SG	0.0039	LAA 11	0	0	33	40	55	25
B»	COC	1.00	PMV 11						
C»	LIQUID AMS	5.00	PMV 11						
	LSD (0.05)			0.0	0.3	5.2	8.2	14.1	13.0
	STANDARD DEVIATION			0.0	0.1	2.4	3.8	6.6	6.1

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REPS: 04

TRT	TREATMENT	DOSAGE		ZEAMD	ECHCG	AMATA	CHEAL	ABUTH	PHBPU	
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	
					06/20/17	06/20/17	06/20/17	06/20/17	06/20/17	
1A	GWN-10456 79WG	0.049	LAA	11	0	10	48	43	83	63
	B>COC	1.00	PMV	11						
	C>LIQUID AMS	5.00	PMV	11						
2A	CHECK	0.00	NA	0	0	0	0	0	0	0
3A	GWN-10456 79WG	0.099	LAA	11	0	10	53	53	96	80
	B>COC	1.00	PMV	11						
	C>LIQUID AMS	5.00	PMV	11						
4A	ACCENT 75WG	0.047	LAA	11	0	91	80	71	83	78
	B>COC	1.00	PMV	11						
	C>LIQUID AMS	5.00	PMV	11						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A	HARMONY 50SG	0.0039	LAA	11	0	25	64	66	73	58
	B>COC	1.00	PMV	11						
	C>LIQUID AMS	5.00	PMV	11						
	LSD (0.05)				0.0	14.6	8.6	11.2	7.3	12.1
	STANDARD DEVIATION				0.0	6.9	4.0	5.2	3.4	5.7

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 11 = --- / EPOST 05/30/2017(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	06/09/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ECHCG	CON %	06/09/2017	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/09/2017	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/09/2017	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/09/2017	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/09/2017	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/14/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ECHCG	CON %	06/14/2017	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	06/14/2017	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/14/2017	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/14/2017	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/14/2017	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/20/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ECHCG	CON %	06/20/2017	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	06/20/2017	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	06/20/2017	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/20/2017	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/20/2017	06	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