

# Purdue University

## Callisto Dandelion Study

Trial ID: Study Dir.:  
 Location: Investigator: Dr. Bill Johnson

### GENERAL TRIAL INFORMATION

Investigator: Dr. Bill Johnson

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

### CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	TAROF	Taraxacum officinale	Common dandelion

### SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 12.5 FT Reps: 4  
 Study Design: RANDOMIZED COMPLETE BLOCK

### APPLICATION DESCRIPTION

A	
Application Date:	22/May/2003
Application Method:	SPRAY
Air Temp., Unit:	68 F
% Relative Humidity:	61
Wind Velocity, Unit:	6 MPH
% Cloud Cover:	0

### WEED STAGE AT EACH APPLICATION

A	
Weed 1 Code, Stage:	TAROF 4 - 8"
Stage Scale:	rosettes
Density, Unit:	3-6 FT2

# Purdue University

## Callisto Dandelion Study

Trial ID:

Study Dir.:

Location:

Investigator: Dr. Bill Johnson

Weed Code	TAROF	TAROF	TAROF	TAROF				
Rating Date	2/Jun/2003	16/Jun/2003	26/Jun/2003	16/Jul/2003				
Weed Stage	8 - 12"	12 - 14"	8 - 12"	8 - 14"				
Weed Density, Unit	3-6 FT2	3-6 FT2	3-6 FT2	3-6 FT2				
Trt-Eval Interval	11 DA-A	25 DA-A	35 DA-A	55 DA-A				
Trt No.	Treatment Name	Rate	Grow Unit	Stg	1	2	3	4
1	Callisto	6 oz/a	POST		22 d	92 ab	80 ab	28 a
	COC	1 % v/v						
	UAN	2.5 % v/v						
2	Callisto	3 oz/a	POST		26 d	87 ab	68 abc	24 ab
	COC	1 % v/v						
	UAN	2.5 % v/v						
3	Atrazine	1 pt/a	POST		8 ef	18 e	10 de	9 ab
	COC	1 % v/v						
	UAN	2.5 % v/v						
4	Callisto	6 oz/a	POST		26 d	95 a	79 ab	23 ab
	Atrazine	1 pt/a	POST					
	COC	1 % v/v						
	UAN	2.5 % v/v						
5	Callisto	3 oz/a	POST		18 de	85 ab	68 abc	21 ab
	Atrazine	1 pt/a	POST					
	COC	1 % v/v						
	UAN	2.5 % v/v						
6	Gramoxone Max	2.7 pt/a	POST		73 ab	55 c	26 d	8 ab
	COC	1 % v/v						
	UAN	2.5 % v/v						
7	Gramoxone Max	1.35 pt/a	POST		60 c	35 d	16 de	7 ab
	COC	1 % v/v						
	UAN	2.5 % v/v						
8	Callisto	6 oz/a	POST		86 a	90 ab	66 abc	19 ab
	Gramoxone Max	2.7 pt/a	POST					
	COC	1 % v/v						
	UAN	2.5 % v/v						
9	Callisto	6 oz/a	POST		81 a	92 ab	65 abc	16 ab
	Gramoxone Max	1.35 pt/a	POST					
	COC	1 % v/v						
	UAN	2.5 % v/v						
10	Callisto	3 oz/a	POST		83 a	82 b	60 bc	12 ab
	Gramoxone Max	2.7 pt/a	POST					
	COC	1 % v/v						
	UAN	2.5 % v/v						
11	Callisto	3 oz/a	POST		78 ab	82 b	53 c	13 ab
	Gramoxone Max	1.35 pt/a	POST					
	COC	1 % v/v						
	UAN	2.5 % v/v						
12	Lumax	3 qt/a	POST		24 d	91 ab	78 ab	14 ab
	COC	1 % v/v						
	UAN	2.5 % v/v						
13	Lumax	3 qt/a	POST		85 a	95 a	86 a	29 a
	Gramoxone Max	2.7 pt/a	POST					
	COC	1 % v/v						
	UAN	2.5 % v/v						
14	Lumax	3 qt/a	POST		66 bc	92 ab	80 ab	21 ab
	Gramoxone Max	1.35 pt/a	POST					
	COC	1 % v/v						
	UAN	2.5 % v/v						

## Purdue University

Weed Code	TAROF	TAROF	TAROF	TAROF
Rating Date	2/Jun/2003	16/Jun/2003	26/Jun/2003	16/Jul/2003
Weed Stage	8 - 12"	12 - 14"	8 - 12"	8 - 14"
Weed Density, Unit	3-6 FT2	3-6 FT2	3-6 FT2	3-6 FT2
Trt-Eval Interval	11 DA-A	25 DA-A	35 DA-A	55 DA-A
Trt Treatment	Rate	Grow		
No. Name	Rate Unit	Stg		
	1	2	3	4
15 Untreated Control	0 f	0 f	0 e	0 b
LSD (P=.05)	10.5	7.0	15.3	14.5
Standard Deviation	7.4	4.9	10.7	10.1
CV	15.05	6.79	19.25	62.79
Grand Mean	48.93	72.62	55.57	16.13
Bartlett's X2	26.378	23.703	11.841	13.893
P(Bartlett's X2)	0.015*	0.034*	0.541	0.381
Replicate F	0.670	0.149	1.412	2.863
Replicate Prob(F)	0.5749	0.9298	0.2525	0.0480
Treatment F	74.312	154.813	28.176	2.661
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0072

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.