



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

BIOLOGICAL REPORT OF ANALYSIS

1. SAMPLE NO.

MB 598

2. DATE COLLECTED

N/A

3. REGION

N/A

SAMPLE IDENTIFICATION

4. LOT OR CODE NO(S).

N/A

5. EPA REGISTRATION NO.

N/A

6. ESTABLISHMENT NO.

N/A

7. PRODUCT NAME

Pounce (Ambush)

8. PRODUCER NAME AND ADDRESS (Include ZIP code)

N/A

9. DEALER NAME AND ADDRESS (Include ZIP code)

10. PHYSICAL FORM

EMULS. CONC.

WET. POWDER

PRESS. SPRAY

AEROSOL

DUST

BAIT

GRANULAR

☒ OTHER brown liquid

11. INGREDIENTS

Pounce (tech) 94.4%

TEST

12. TYPE OF TEST

28 day life cycle

Test # 2420

13. TEST ORGANISM(S)

Daphnia magna

Source: TABU stock colonies

14. METHOD NO. ASTM draft 4 modified

15. DURATION 28 days

16. CONCENTRATION 0.017-0.056ppb

17. DILUENT acetone

18. SUMMARY

Concentration based on total formulation.

0.56 ppb - The total production of young per adult daphnia was significantly less than for the control (95% level)

0.14 ppb - The total production of young per adult daphnia was significantly greater than for the controls (95% level).

48 hour EC50 Pounce = .70 ppb

19. RESULTS

Concentration in ppb

Adult survival (%)	.56 90	.28 100	.14 90	.07 90	.035* 65*	.017 95	SC 95	C 94
Average production per adult	56.5	62.8	74.5	69.7	73.3*	60.0	63.4	65

95% confidence range on 65 (57.3 - 72.7)

* Concentration of 0.035 ppb omitted from calculation due to large variance if included--no significant difference is detected--95% confidence range being (54-76).

ASTM Draft 4 modified, 4 beakers per concentration, 5 daphnia per beaker.

20. TESTER'S INITS.

21. SIGNATURE OF LAB SUPERVISOR

22. LABORATORY

23. DATE

Terrestrial & Aquatic Biology 7/8/79



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NAME AND TITLE OF EPA OFFICIAL

Sec. 9(a) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended (7 U.S.C. 136g) requires that a copy of the analysis of any sample collect in connection with the enforcement of the Act be furnished promptly to the owner, operator or agent in charge of the establishment where the sample was collected. This section of the Act is quoted on the reverse of this form.

The information contained in this report should not be used in the labeling, advertising, or other promotion of the product analyzed.

Additional information regarding results of analysis may be obtained from the individual listed below.

NAME AND TITLE OF EPA OFFICIAL

ADDRESS OF REGIONAL OFFICE (Include ZIP code)

PHONE NO.

DATE

Sec. 9. INSPECTION OF ESTABLISHMENTS, ETC.

(a) In General. — For purposes of enforcing the provisions of this Act, officers or employees duly designated by the Administrator are authorized to enter at reasonable times, any establishment or other place where pesticides or devices are held for distribution or sale for the purpose of inspecting and obtaining samples of any pesticides or devices, packaged, labeled, and released for shipment, and samples of any containers or labeling for such pesticides or devices.

Before undertaking such inspection, the officers or employees must present to the owner, operator, or agent in charge of the establishment or other place where pesticides or devices are held for distribution or sale, appropriate credentials and a written statement as to the reason for the inspection, including a statement as to whether a violation of the law is suspected. If no violation is suspected, an alternate and sufficient reason shall be given in writing. Each such inspection shall be commenced and completed with reasonable promptness. If the officer or employee obtains any samples, prior to leaving the premises, he shall give to the owner, operator, or agent in charge a receipt describing the samples obtained and, if requested, a portion of each such sample equal in volume or weight to the portion retained. If an analysis is made of such samples, a copy of the results of such analysis shall be furnished promptly to the owner, operator, or agent in charge.

PRODUCT: Ambush

TEST # ~~2064~~

TYPE TEST: *1/2 cycle*

DATE: 9/1/68

Conc. #	1	2	3	4	5	6	7	8
Nominal Conc. (ppb)	.56	.28	.14	.07	.035	.017	SC	C
SSI	0.1 gm toxicant ↑ 100 ml Acetone							
SS II	1 ml of SSI ↑ 100 ml H ₂ O							
SS III	1 ml of SS II ↑ 100 ml H ₂ O							
SS IV	10 ml of SS III ↑ 100 ml H ₂ O							
Conc 1	5.6 ml of SS III ↑ 1000 ml H ₂ O							
Conc 2	2.8 ml of SS III ↑ 1000 ml H ₂ O							
Conc 3	1.4 ml of SS III ↑ 1000 ml H ₂ O							
Conc 4	7 ml of SS II ↑ 1000 ml H ₂ O							
Conc 5	3.5 ml of SS II ↑ 1000 ml H ₂ O							
Conc 6	1.7 ml of SS II ↑ 1000 ml H ₂ O							
SC A	1 ml Acetone ↑ 100 ml H ₂ O							
SC B	1 ml of SC A ↑ 100 ml H ₂ O							
SC	5.6 ml of SC B ↑ 1000 ml H ₂ O							

SAMPLE NO.		SAMPLE NAME	Pounce	TEST #	2516
TYPE TEST		TEST DAY #	3	TEMP. °C	20
		DATE	7/9		
SAMPLES:					
CONC. NOMINAL (pp)		CONC. ANALYSED		BEFORE	AFTER
CONC. #	.56	.28	.14	.07	.035 .017 SC C
pH (BEFORE)					
pH (AFTER)	7.73		7.73	7.73	7.74
D.O. (B)					
D.O. (A)	5.7		5.7	5.8	6.1
T.HARDNESS					
ALKALINITY					
BEAKER #	1	2	3	4	5 6 SC C
1	0/5	0/5	0/5	0/5	0/5 0/5 0/5 0/5
2	0/5	0/5	0/5	0/5	0/5 0/5 0/5 0/5
3	0/5	0/5	0/5	0/5	0/5 0/5 0/5 0/5
4	0/5	0/5	0/5	0/5	0/5 0/5 0/5 0/5
5					0/5
6					0/5
7					0/5
8					0/5
TOT. REPRO.					
TOT. ADULTS					
AVG. REPRO.					

SAMPLE NO.		SAMPLE NAME	Pounce (Ambush)						TEST #	2516			
TYPE TEST		TEST DAY #	5	TEMP. °C	20				DATE	7/11			
SAMPLES:													
CONC. NOMINAL (pp)				CONC. ANALYSED		BEFORE				AFTER			
ppB													
CONC. #	.56	.28	.14	.07	.035	.017	SC	C					
pH (BEFORE)								7.98					
pH (AFTER)	7.69		7.66			7.72		7.73					
D.O. (B)								6.8					
D.O. (A)	5.1		4.8			5.6		5.6					
T.HARDNESS								220					
ALKALINITY								180					
BEAKER #	1	2	3	4	5	6	SC	C					
1	0/5	0/5	0/5	0/5	0/5	0/5	0/5	0/5					
2	0/5	0/5	0/5	0/5	0/4	0/5	0/5	0/5					
3	0/5	0/5	0/5	0/5	0/5	0/5	0/5	0/5					
4	0/5	0/5	0/5	0/5	0/5	0/5	0/5	0/1	No H: retake				
5								0/5					
6								0/5					
7								0/5					
8								0/5					
TOT. REPRO.													
TOT. ADULTS													
AVG. REPRO.													

[illegible]

[illegible]

SAMPLE NO.			SAMPLE NAME		Dounce - Ambush				TEST #		
TYPE TEST			TEST DAY #	12	TEMP. °C				DATE	7/18	
SAMPLES:											
CONC. NOMINAL (pp)			CONC. ANALYSED		BEFORE				AFTER		
CONC. #											
PH (BEFORE)											
PH (AFTER)											
D.O. (B)											
D.O. (A)											
T.HARDNESS											
ALKALINITY											
BEAKER #	1	2	3	4	5	6	SC	C			
	24.2 64/4	24.56 85/5	29 76/4	30.4 86/5	42 42/0	30 85/5	25.4 65/5	26.6 69/5			
2	17.2 41/5	25.2 69/5	31 102/5	28.2 78/5	31.25 79/4	33 90/5	33 82/5	27.6 67/5			
3	27 66/5	23.7 56/5	28.2 89/5	25 90/5	25.4 73/5	23.6 75/5	26.4 74/5	28.8 67/5			
4	17 55/5	19.6 51/5	22.4 70/4	30.4 97/5	29.5 60/4	25.1 53/5	27.6 83/5	36 27/1			
5								27 85/5			
6								27.46 55/4			
7								27 75/5			
8								27.4 76/5			
TOT. REPRO.											
TOT. ADULTS											
AVG. REPRO.											

[illegible]

SAMPLE NO.			SAMPLE NAME						TEST #				
TYPE TEST			TEST DAY #	19	TEMP. °C				DATE	7/25			
SAMPLES:													
CONC. NOMINAL (pp)					CONC. ANALYSED		BEFORE				AFTER		
CONC. #													
pH (BEFORE)													
pH (AFTER)	7.85		7.83			7.87		7.901					
D.O. (B)													
B.O. (A)													
T.HARDNESS													
ALKALINITY													
BEAKER #	1	2	3	4	5	6	SC	C					
1	8/4	8/5	13/4	72/5	—	70/5	50/5	60/5					
2	5/5	56/5	30/5	43/5	54/4	72/5	69/5	75/5					
3	12/5	65/5	13/5	38/4	34/5	8/5	8/5	53/5					
4	5/4	8/5	55/4	105/4	45/4	100/5	7/5	—					
5								17/5					
6								43/4					
7								62/5					
8								58/5					
TOT. REPRO.													
TOT. ADULTS													
AVG. REPRO.													

6/4 1 dropped
due not come
AS down it

[illegible]

SAMPLE NO.	SAMPLE NAME <u>Pounce</u>								TEST #				
TYPE TEST					TEST DAY # <u>28</u>	TEMP. °C			DATE	<u>8/3</u>			
SAMPLES:													
CONC. NOMINAL (pp)				CONC. ANALYSED				BEFORE	AFTER				
CONC. #													
pH (BEFORE)													
pH (AFTER)													
D.O. (B)													
D.O. (A)													
T.HARDNESS													
ALKALINITY													
BEAKER #	1	2	3	4	5	6	SC	C					
1	63/4	54/5	55/4	50/5	—	19/4	4/5	40/4					
2	63/5	54/5	66/5	32/4	5/4	3/5	3/5	42/5					
3	56/5	58/5	56/5	74/5	2/5	4/5	2/4	45/5					
4	57/4	59/5	83/4	24/4	6/4	3/5	4/5	—					
5								6/5					
6								6/4					
7								3/5					
8								3/5					
TOT. REPRO.													
TOT. ADULTS	90	100	90	90	65%	95%	95%	94.3%					
AVG. REPRO.													

35/350
3/2 150

Control

	10	12	14	17	19	21	24	28	
1	12.8	26.6	28.8	36	48	54.4	56	66 ⁽⁴⁾	
2	14.2	27.6	—	35	50	54.2	56.2	64.6	65
3	15.4	28.8	30.6	37.8	48.4	52.8	55.2	64.2	SD 3.34
4	—	—	—	—	—	—	—	—	SE 1.26
5	10	27	28.6	33.4	42.8	53.2	—	66.6	
6	15.7	29.4	—	41.9 ⁽⁴⁾	52.6 ⁽⁴⁾	58.3 ⁽⁴⁾	60.5 ⁽⁴⁾	70.5 ⁽⁴⁾	
7	12	27	28	33.4	46.8	50.6	53.0	59.4	
8	14.4	29.6	—	37.0	48.6	55.2	57.2	64.0	

SC

	10	12	14	17	19	21	24	28	
1	12.4	25.4	28.2	36.4	46.4	53.8	56.4	65	
2	16.6	33.0	33.0	37.6	51.4	56.0	58.0	65.2	63.4
3	12.0	26.8	27.8	31.4	42.6	50.8	53.0	60.2 ⁽⁴⁾	SD 2.31
4	11	27.6	28.2	33.4	48.6	52.8	54.2	63.2	SE 1.16

	10	12	14	17	19	21	24	28	
1	13	30	30	36.4	50.4	53.6	57.0	61.7 ⁽⁴⁾	
2	15	33	33.2	40.0	54.4	57.8	60.6	68.0	60.6
3	12	27	27	29.8	47.0	47.8	50.2	53	SD 6.18
4	17.4	26.1	27.3	31.9	49.1	50.1	53.1	59.7	SE 3.09

	10	12	14	17	19	21	24	28	
1	10	—	—	—	—	—	—	—	
2	12 ⁽⁴⁾	31.75 ⁽⁴⁾	31.75 ⁽⁴⁾	43.5 ⁽⁴⁾	57 ⁽⁴⁾	62.7 ⁽⁴⁾	64.9 ⁽⁴⁾	77.4 ⁽⁴⁾	73.27
3	10.8	25.4 ⁽⁴⁾	27.2	34.8	45.6	51.4	53.4	58.0	SD 13.68
4	14.5 ⁽⁴⁾	29.5 ⁽⁴⁾	34.5 ⁽⁴⁾	48 ⁽⁴⁾	64.2 ⁽⁴⁾	66.7 ⁽⁴⁾	67.9 ⁽⁴⁾	84.4	SE 7.91

4/	10	12	14	17	19	21	24	28	
1	13.2	30.4	30.4	34.4	48.8	55.8	57.6	67.6	
2	12.6	28.2	28.2	40.4	49.0	54.4	58.2	66.2 ⁽⁴⁾	69.7
3	10.0	28	30.4	38.8	48.3	55.5	57.7	72.5	SD 3.28
4	11.0	30.4	30.4	35.6 ⁽⁴⁾	61.8 ⁽⁴⁾	64.3 ⁽⁴⁾	66.5 ⁽⁴⁾	72.5 ⁽⁴⁾	SE 1.642

3/	10	12	14	17	19	21	24	28	
1	10	29 ⁽⁴⁾	31.5 ⁽⁴⁾	43.2 ⁽⁴⁾	46.4 ⁽⁴⁾	60.9 ⁽⁴⁾	63.4 ⁽⁴⁾	77.1 ⁽⁴⁾	74.47
2	10.6	31	31.8	41.4	47.4	56.6	58.2	71.4	SD 7.48
3	10.4	28.2	28.4	37.0	39.6	49.8	54.8	66.0	SE 3.74
4	9.8	28.8 ⁽⁴⁾	28.8 ⁽⁴⁾	41.3 ⁽⁴⁾	55.0 ⁽⁴⁾	61.0 ⁽⁴⁾	62.7 ⁽⁴⁾	83.4 ⁽⁴⁾	

2/	10	12	14	17	19	21	24	28	
1	11.6	28.6	28.6	31.2	47.4	51.6	52.8	63.6	62.77
2	11.4	25.2	28.6	34.8	46.0	50.2	52.8	63.6	SD 1.228
3	12.5	23.7	24.3	29.9	42.9	47.3	51.3	62.9	SD 0.614
4	9.4	19.6	25.4	32.0	45.8	47.2	49.2	61.0	

1/	10	12	14	17	19	21	24	28	
1	8.2	24.2	24.45 ⁽⁴⁾	26.9 ⁽⁴⁾	42.9 ⁽⁴⁾	42.9 ⁽⁴⁾	46.6 ⁽⁴⁾	62.35 ⁽⁴⁾	
2	9	17.2	23.8	30.2	41.2	41.8	41.8	54.4	56.55
3	13.8	27.0	29.0	36.0	44.4	46.0	47.4	58.6	SD 4.96
4	6	17.0	17.8	23.0	36 ⁽⁴⁾	36 ⁽⁴⁾	36.7 ⁽⁴⁾	50.9 ⁽⁴⁾	SE 2.48

67902

$$C - 4356 + 4173.16 + 4121.64 + 4135.56 + 4970.25 + 3528.36 + 4096.0 = 29680$$

$$29680.97 - 603.5714$$

$$4.35$$

$$5.196$$

$$412.17956$$

$$49.50 / 6$$

$$3.000$$

$$319.2896$$

$$35.60 / 4$$

$$4.582$$

$$601.3505$$

$$54.39 / 5$$

$$412.17956$$

$$316.840$$

$$1338.4357 - 408.3750 - 4122.4533 - 591.65442$$

$$1316.8694$$

$$412.17956 - 408.3750$$

$$4.4206$$

$$319.2896 - 316.840$$

$$2.4496$$

$$601.3505 - 591.6544$$

$$9.6961$$