

Form FFC-3. Diagnosis, Treatment, and Mortality Record for Clinical Field Trials Using Aquaflor® as Feed Additive under INAD #10-697

- Instructions:**
1. Fully fill out this report no later than 10 days after completion of the 21-day post-treatment observation period. Attach lab reports and other information.
 2. Investigator should sign the form, and archive the original in station files. Send a copy of the form to the Monitor. Within 10 days of receipt, the Monitor should send a copy to the Study Director for inclusion in the permanent file.

SITE INFORMATION

Facility	Fish Hatchery A
Reporting Individual	John Doe

FISH CULTURE AND DRUG TREATMENT INFORMATION

Fish Disease Treated	Columnaris	Fish Species Treated	Largemouth bass
Average Fish/Pound	375	Average Fish Length	3.1 in
Number of Fish per Experimental Unit (indicate tank, raceway, or pond)			34,000
Number of Treated Units	1	Number of Control Units	0
Total Units Involved	1	Aquaflor® Lot Number	028043
Aquaflor® Dosage	10	% Aquaflor® Premix in Feed	0.066
Preparation of Aquaflor® treated feed (top-dressed at facility or prepared by feed manufacturer - please identify manufacturer)	Mixed at Fish Hatchery A		
Feed Type (Manufacturer/moist vs dry/size)	Dry 2mm pellet		
Feeding Method (hand, auto, demand)	Hand		
Feed Rate (% BW/day)	3.0		
Date Treatment Started	4/28/08	Date Treatment Ended	5/7/08

WATER QUALITY PARAMETERS

Ave pre-treatment temp (°F)	77.0	Dissolved Oxygen (mg/L)	10.1
Ave treatment temp (°F)	75.0	pH	7.7
Ave post-treatment temp (°F)	77.0	Hardness - CaCO ₃ (mg/L)	340

Form FFC-3. Daily Mortality Record

INSTRUCTIONS

Enter today's date (mo/day) and water temp (°F.). Enter the rearing unit numbers at the head of each column for each test or control unit in the study. Enter "T" if the unit is designated in the study to receive treatment. Enter "C" if the unit is designated as an untreated control unit. Also enter the number of fish in each rearing unit at the start of the study. Enter each days total mortality for each unit in the proper column. Use additional copies of this form for additional rearing units or additional days of observation.

			Rearing Unit #	Rearing Unit #	Rearing Unit #	Rearing Unit #	Rearing Unit #	Rearing Unit #	
			1						
		T or C	T						
		# Fish	34,000						
Day	Date	Water Temp	Mortality #	Mortality #	Mortality #	Mortality #	Mortality #	Mortality #	Observer Initials
10	4/18/08	76	13						
9	4/19	76	15						
8	4/20	76	50						
7	4/21	77	85						
6	4/22	77	95						
5	4/23	76	104						
4	4/24	76	72						
3	4/25	78	80						
2	4/26	78	321						
1	4/27	78	248						
1	4/28/08	75	178						
2	4/29	74	297						
3	4/30	74	254						
4	5/1	74	203						
5	5/2	74	71						
6	5/3	75	37						
7	5/4	74	41						
8	5/5	75	8						
9	5/6	75	12						
10	5/7	74	6						

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			Rearing Unit #	Rearing Unit #	Rearing Unit #	Rearing Unit #	Rearing Unit #	Rearing Unit #	
			1						
		T or C	T						
		# Fish	34,000						
Day	Date	Water Temp	Mortality #	Mortality #	Mortality #	Mortality #	Mortality #	Mortality #	Observer Initials
1	5/8/08	76	17						
2	5/9	76	12						
3	5/10	77	7						
4	5/11	77	3						
5	5/12	77	1						
6	5/13	76	9						
7	5/14	77	0						
8	5/15	77	5						
9	5/16	75	4						
10	5/17	77	3						
11	5/18	78	12						
12	5/19	78	21						
13	5/20	78	1						
14	5/21	77	10						
15	5/22	77	5						
16	5/23	78	0						
17	5/24	78	0						
18	5/25	77	2						
19	5/26	78	1						
20	5/27	78	0						
21	5/28	78	3						

RESULTS: Explain outcome of treatment. Describe in detail exactly how treatment worked. Was treatment successful? If not, why not? Attach pathology reports; Both Pre-and Post-Treatment.

Treatment was very successful in controlling columnaris. Mortalities decreased by treatment day 5 and returned to normal levels. Post-treatment mortality was attributed to cannibalism by the larger fish.

Toxicity Observations: (Report reaction of fish; did treatment harm fish?)

none

DRUG DISCHARGE RESULTING FROM THIS TREATMENT: Calculate actual FFC drug level in hatchery discharge resulting from treatments. Use Addendum 2: Discharge Worksheet for calculations and attach completed Discharge Worksheet to this form. Also indicate method of disposal (if any) of FFC-bearing solid wastes.

0.0025 ppm

Observed Withdrawal Period: (Investigator should initial the appropriate box below)

jd

21 day withdrawal period for salmonid species.

28 day withdrawal period for non-salmonid species.

Estimated number of days between last treatment and first availability of fish for human consumption (ensure this time period meets the withdrawal period). 1 yr

DISPOSITION OF UNUSED OR SPOILED Aquaflor® TREATED FEED:

Unused feed was disposed of by burial. This is allowed by local permitting.

NEGATIVE REPORT Aquaflor® treated feed was not used at this facility under this Study Protocol Number. (Investigator should initial for negative reports.)

Date prepared 5/31/08

Investigator Sign here

Date reviewed 5/31/08

Monitor Sign here