



Fish Feeding and Water Quality Log

Week #:	This document should be used to record activities around the raising of tilapia in INMED aquaponic systems. The charts embedded are to assist in documenting data. The tilapia feeding rates are based on feed conversion ratio of 1:1.3 as a guide to assess growth rates. Growth rates will vary according to protein content of feed, temperature and condition of water quality. The number of times for daily feeding is indicated in the fish feeding chart. As best as possible, space feeding equally throughout the times recommended. One sheet will record activities for two days. To get average weight for fish, weigh total weight for about 25 fish, divide the total weight by 25 for the average weight/fish, and multiply the approximate # of fish in the tank by the average weight to calculate the total weight of fish per tank.											
Average weight at start of week (grams)	Scale Description for Data Entries							Fish Growth and Feeding Chart				
No. of fish in relevant tank(s)	Weather	Overcast (O)	Sunny (S)	Rainy (R)				Size of pellets	Weight of fish (grams)	Tilapia age (weeks)	Feeds per day	Daily feed per 1000 fish
Tank # (1- 4)	Cloud cover	None (0)	1/4 (1)	1/3 (2)	1/2 (3)	2/3 (4)	full (5)					
Feed Type (Hi-Pro Pellets (HP), Hi-Pro Mash (HM) Float Feed (FF) Other:	Tank water capacity	None (0)	1/4 (1)	1/3 (2)	1/2 (3)	2/3 (4)	full (5)					
Expected daily feed rate (grams)	Tank water cloudiness	Clear (0)	25% (1)	50% (2)	75% (3)	100% (4)						
	Tank water odor	no smell (0)	slightly (1)	moderate (2)	high (3)							
Date:								Powder	2.0	1	5	160g
Notes:	Recommended feed times	9:00	11:00	1:00	3:00	5:00		Powder	3.0	2	5	230g
	Actual times fed							Powder	4.0	3	5	325g
	Feed amount consumed (g)							Powder	6.0	4	5	350g
	Feed duration (in minutes)							1.7mm	7.0	5	5	370g
	Weather (O, S, R)							1.7mm	9.0	6	5	470g
	Cloud cover (0-5)							2-4 mm	12.0	7	5	600g
	Tank water capacity (0-5)							2-4 mm	15.0	8	5	750g
	Tank water cloudiness (0-4)							2-4 mm	20.0	9	5	950g
	Tank water odour (0-3)							2-4 mm	24.0	10	5	950g
	Fish gasping (0-100%)							4-6mm	28.0	11	4	1kg
	pH (actual reading)							4-6mm	34.0	12	4	1.2kg
	Tank water temperature (F)							4-6mm	40.0	13	4	1.4kg
	Electrical conductivity (actual)							4-6mm	47.0	14	4	1.7kg
	Fish mortality (no.)							6-8mm	56.0	15	4	2kg

Date: Notes:	Recommended feed times	9:00	11:00	1:00	3:00	5:00	Size of pellets	Weight of fish (grams)	Tilapia age (weeks)	Feeds per day	Daily feed per 1000 fish
	Actual times fed						6-8mm	66.5	16	4	2.3kg
	Feed amount consumed (g)						6-8mm	79.0	17	4	2.8kg
	Feed duration (in minutes)						6-8mm	93.5	18	4	3.3kg
	Weather (O, S, R)						6-8mm	150.0	21	3	4kg
	Cloud cover (0-5)						6-8mm	170.0	22	3	4.3kg
	Tank water capacity (0-5)						6-8mm	190.0	23	3	4.8kg
	Tank water cloudiness (0-4)						6-8mm	215.0	24	3	5.5kg
	Tank water odour (0-3)						6-8mm	245.0	25	2	6.1kg
	Fish gasping (0-100%)						6-8mm	280.0	26	2	7kg
	pH (actual reading)						6-8mm	315.0	27	2	8kg
	Tank water temperature (F)						6-8mm	355.0	28	2	9kg
	Electrical conductivity (actual)						6-8mm	405.0	29	2	10kg
	Fish mortality (no.)						6-8mm	460.0	30	2	11.5kg

Name: _____

Signature: _____

