

OPR of New feeding Method for Ingiriya farm Nursery fish

SUBJECT	(OPR Of New feeding Method for Ingiriya farm Nursery fish)
DEPARTMENT	(R&D)
RECORDER (Name & Designation)	(Nimesha De Silva – R&D Assistant)
APPROVED BY	(Manori Hewavitharana – Biologist / R and D division)
CREATED DATE	(18/10/2016)
LAST UPDATED	(21/10/2016)
NO. OF PAGES INCLUDING THIS PAGE	(4)

1. Feed preparation for first three days

In first three days, feed guppy fry with Triple nine and Prima note.

Blend the triple nine well until become fine powder. Mix Triple nine powder with Prima note, 2:1 ratio.

Eg;

Triple nine Powder	Prima note
2 g	1 g

2. Feed preparation for other days until sorting

Give Aquamaster feed from their fourth day until sorting.

Feed them with powder form for first four days. From their fifth days start to feed with solid form (feed balls).

From the fifth day, add triple nine powder and prima note mixture as provided within first three days, except the solid form feed ball to fulfil the feed requirement of lethargy fish not tend to eat feed ball. It is helpful to minimize the size variations during the nursery phase.

3. Feed amount required for a guppy fish – Nursery Phase

Applicable fish Density

Tank Size: 10*5 feet

Number of guppy fry: 2000

Water level: 14 cm (better to maintain at least 14 cm water level)

Note: Below mentioned feeding amounts were adjusted to the above mentioned applicable fish density. According to the practicing stoking fish density, feed amounts should be adjusted.

Feeding amounts for the guppy fish until sorting stage

Table 1: Feeding amounts for the guppy fish until sorting stage

Age (Days)	Feeding Amounts for Ingiriya nursery tanks					Feed	Feeding Type	Water Level
	at 8.30 am	at 10.00 am	at 12.00 pm	at 1.30 pm	at 4.00 pm			
1	6 g	Brine Shrimp	6 g	Brine Shrimp	6 g	999, Prima 0	Powder	14 cm
2	6 g	Brine Shrimp	6 g	Brine Shrimp	6 g	999, Prima 0	Powder	14 cm
3	6 g	Brine Shrimp	6 g	Brine Shrimp	6 g	999, Prima 0	Powder	14 cm
4	6 g	Brine Shrimp	6 g	Brine Shrimp	6 g	Aquamaster	Powder	14 cm
5	6 g	Brine Shrimp	6 g	Brine Shrimp	6 g	Aquamaster	Solid	14 cm
6	6 g	Brine Shrimp	6 g	Brine Shrimp	6 g	Aquamaster	Solid	14 cm
7	6 g	Brine Shrimp	6 g	Brine Shrimp	6 g	Aquamaster	Solid	14 cm
8	10 g	Brine Shrimp	10 g	Brine Shrimp	10 g	Aquamaster	Solid	14 cm
9	10 g	Brine Shrimp	10 g	Brine Shrimp	10 g	Aquamaster	Solid	16 cm
10	15 g	Brine Shrimp	15 g	Brine Shrimp	15 g	Aquamaster	Solid	16 cm
11	15 g	Brine Shrimp	15 g	Brine Shrimp	15 g	Aquamaster	Solid	16 cm
12	15 g	Brine Shrimp	15 g	Brine Shrimp	15 g	Aquamaster	Solid	16 cm
13	15 g	Brine Shrimp	15 g	Brine Shrimp	15 g	Aquamaster	Solid	16 cm
14	15 g	Brine Shrimp	15 g	Brine Shrimp	15 g	Aquamaster	Solid	16 cm
15	15 g	Brine Shrimp	15 g	Brine Shrimp	15 g	Aquamaster	Solid	16 cm
16	15 g	Brine Shrimp	15 g	Brine Shrimp	15 g	Aquamaster	Solid	16 cm
17	20 g	Brine Shrimp	20 g	Brine Shrimp	20 g	Aquamaster	Solid	16 cm
18	20 g	Brine Shrimp	20 g	Brine Shrimp	20 g	Aquamaster	Solid	16 cm
19	20 g	Brine Shrimp	20 g	Brine Shrimp	20 g	Aquamaster	Solid	16 cm
20	20 g	Brine Shrimp	20 g	Brine Shrimp	20 g	Aquamaster	Solid	16 cm
21	20 g	Brine Shrimp	20 g	Brine Shrimp	20 g	Aquamaster	Solid	16 cm
22	20 g	Brine Shrimp	20 g	Brine Shrimp	20 g	Aquamaster	Solid	16 cm
23	20 g	Brine Shrimp	20 g	Brine Shrimp	20 g	Aquamaster	Solid	16 cm
24	20 g	Brine Shrimp	20 g	Brine Shrimp	20 g	Aquamaster	Solid	16 cm
25	20 g	Brine Shrimp	20 g	Brine Shrimp	20 g	Aquamaster	Solid	16 cm

4. Feeding Hatched Brine Shrimp cysts

During hatching practices, incubate 9.4 g of brine shrimp cysts per 20 liter of salt water.

After the completion of hatching procedure, dilute naupli with 20 l of fresh water.

Give 1 l of hatched brine shrimp cysts, per each brine shrimp meal. (at 10.00 am and 3.30 pm)

Above mentioned amount of hatched brine shrimp eggs can be fed for 20 nursery tanks per one brine shrimp meal.

5. Feeding Instructions

- Feed consumption by fish is depend on the fish healthy, water quality and weather condition.
- Due to above conditions, fish palatability can be reduced. On that time, through the visual observation, be careful to reduce the feed amount accordingly.
- **Maintain one and half hours gap between dry feed meal and brine shrimp naupli meal and give powder form feed until reach their 10th day except the feed balls as discussed in topic 3.2 to minimize the size variation of guppy fry.**
- When it is possible, continue the daily syphoning practices.
- Maintain the enough aeration to provide good environment for the fish.

If the fish feed well, should be reach below mentioned weights and lengths during the nursery phase.

Table 2: Weight of Guppy fish during the nursery phase

	Fish weights (g)		
	Week 1	Week 2	Week 3
Black Guppy	0.02	0.04	0.07
Yellow Guppy	0.02	0.03	0.06

Table 3: Total Length of Guppy fish during the nursery phase

	Fish Lengths (cm)		
	Week 1	Week 2	Week 3
Black Guppy	1	1.3	1.5
Yellow Guppy	1	1.3	1.5

Note: Above mentioned feed amounts (Table 1) can be changed with the weather condition, disease condition and water quality.