Site

Rajiv Gandhi Centre for Aquaculture

Seabass Hatchery

Sirkali,
Tamil Nadu
Fingerling section view
TESTING BY ADDITION OF NH4Cl

• Water recirculated and Ammonium chloride added (5 to 10 ppm) in 4 FRP tanks.
• Ammonium chloride fed for 14 days
• Flow rate gradually increased to 35LPM.
• The residual concentration of NH3 is reduced to zero indicating a complete conversion of Ammonia
Artificial NH4Cl addition to FRP tanks and reduction after 24 hours
Stocking density

• Fishes stocked Around 7kg’s (530 animals) as Initial Biomass in 8 ton water tank (FT3)
• Detrodigest (water probiotic ) added once in every 5 days
• Gradually Tanks also increased
Water quality parameter Oct and Nov 14

RGCA-SeaBass Fingerling tank FT3 - Water Quality parameter - Oct 14

RGCA-SeaBass fingerling tank FT3 - water quality parameter report - Nov 14
Fish wt gain (kg)

Summary

Section-Fingerling section
- Tank No-FT3
- Water vol-8000L

Recirculation started on 14.10.14
- Initial animal wt-7kg
- No of Animals-530
- Feeding-5% of B.W

Result (after 1 month on 11.11.14)
- Animal wt -22 kg
- Animal No-530No’s
- Individual animal wt-43g
- Individual animal length-10cm
- Survival-100%
- Current Feeding -8% of B.W

Source: Animal weight details furnished by RGCA Staff
### Animal Growth

#### No of days under PBPR-RAS-74 days

<table>
<thead>
<tr>
<th>Date</th>
<th>tank no</th>
<th>A.B.W (g)</th>
<th>No of seabass</th>
<th>Weight (g)</th>
<th>total wt gain (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.10.14</td>
<td>3</td>
<td>13</td>
<td>530</td>
<td>6890</td>
<td></td>
</tr>
<tr>
<td>11.11.14</td>
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<td>43</td>
<td>530</td>
<td>22790</td>
<td>15900</td>
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<td>75</td>
<td>530</td>
<td>39750</td>
<td>16960</td>
</tr>
</tbody>
</table>

#### RGCA-Seabass hatchery fingerling Total Animal Biomass(g)

<table>
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<tr>
<th>Date</th>
<th>Weight (g)</th>
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</tbody>
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Animal Growth FT1  (12.12.14 to 1.1.15)

- Growth parameter (1.1.15)
- Tank Name-FT1
- Animal No-910
- Avg Total Length-11.43cm
- Avg Total Weight-22.5g
- Total Biomass- 20.47 kg
- Feeding ratio-8% of B.W
- Feed usage-1.6kg/day
- Sinking feed used
- Connected to RAS-PBBR on 12.12.14
Animal Growth –FT1 (1.1.15)
Animal growth-FT2(1.1.15)
Animal Growth FT2 (14.10.14 to 1.1.15)

- Growth parameter (31.12.14)
- Tank Name-FT2
- Animal No-528
- Avg Total Length-17.86cm
- Avg Total Weight-83.63g
- Total Biomass-44.15kg
- Feeding ratio-3.5 % of B.W
- Feed usage-1.6kg
- Sinking feed used
- Connected to RAS-PBBR on 12.12.14
- Days under RAS-78days