





Community and Family Farming Initiatives for Tribal and Aqua Farmers of Gujarat

Farming demonstrations

- Banana shrimp
- Milkfish
- Asian seabass

Community farming

- TSP activities in Kabilpore, Dharagiri, Valoti and Pathri (Navsari Dist.) and Navipardi, Varethi and Kanyashi (Surat Dist.)
- Polyculture demonstration in Navipardi, Surat
 - o Milkfish and carp in ponds and seabass and pearlspot in cages
- Advantages
 - o Utilization of available waterbodies
 - o Alternative livelihood for additional income
- Income generated: Rs 75,000





Family farming

- · Potential activities
 - o Pearlspot farming
 - o Nursery rearing of seabass in hapas
 - o Mud crab fattening/culture
- Demonstrations in Gujarat
 - o Onjal (Navsari Dist.) Laavacha (Surat Dist.) and Palsana (Valsad Dist.)

Demonstration of nursery rearing Asian seabass at Onjal

- Hapas, 15 nos. size 2x1x1m³
- Stocking: 1500/hapa (@ 750 nos/m²)
- Duration of nursery rearing: 45 days
- Feeding: Farm made ball shaped feed @ 8% of body weight
- Management: Grading once in 5 days and cleaning to avoid clogging of nets
- Survival: 45%
- Profit: Rs.10-20/piece, Rs. 50,000



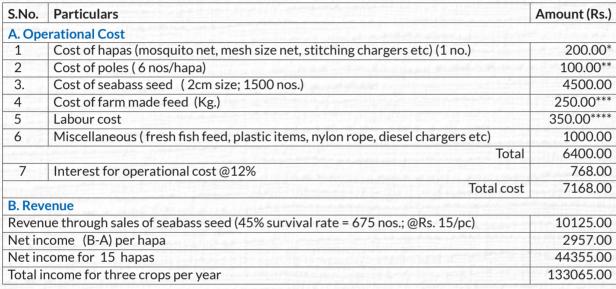
Demonstration of seabass nursery raring at Laavacha, Surat Dist.

- Stocking: 20,000 seed in 20 nylon net hapas (2x1x1m)
- Duration of nursery rearing: 45 days
- Feeding: Farm made ball shaped feed @ 8% of body weight
- Production: 5100 fingerlings (avg size 3.5-4.0 cm)
- Income generated: Rs.15/fingerlings and total income generated Rs.77,500/-

Demonstration of Asian seabass nursery rearing at Palsana, Valsad Dist.

- 10 hapas of the size of 2x1x1m (2m²) nylon nets with mesh size 1.5 mm
- Stocking: 1100/hapa (@ 550 nos/m²)
- Duration of nursery rearing: 45 days
- Feeding: Fish meal balls three times daily
- Income generated: Rs.15/piece earned Rs. 81900/-

Economics based on the demonstrations conducted at Gujarat



Note: * Each cost is Rs. 1000/- it can be used for five crops. ** For each hapa 30 kg of poles required. It cost Rs. 500/- and can be used for five crops. *** Five kg farm mage feed is required to produce 500 fingerlings. Feed cost Rs.250@ Rs.50/kg. **** Daily 20 minutes labour required for each hapa and for 60 days 20 hours are required. It costs Rs. 350/-

Potential opportunities suitable for Guiarat

- Pearlspot in cages and ponds.
- Milkfish in ponds
- Seabass grow out culture in cages and ponds
- Nursery rearing of Seabass in hapas
- Polyculture of seabass and mud crab



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