

**TRIALS ON THE POND CULTURE OF *PENAEUS INDICUS* AND *CHANOS CHANOS*  
AT BRACKISH WATER FISHERIES STATION, PITIPANA**

**J. M. P. K. Jayasinghe**

*(National Aquatic Resources Agency, Colombo 15)*

The development of culture practices in brackish water of Sri Lanka is important in order to increase the production of prawn and selected species of fish. Culture trials were conducted at the Brackish water Fisheries Station, Pitipana, on the pond culture of *Penaeus indicus* and *Chanos chanos*.

## SECTION D

*Chanos chanos* was cultured in a 0.15 ha earthen pond. Five hundred juveniles of the size range 6.9-8.9 cm were stocked in late December 1981 and were harvested in early June. Fertilization of the pond was done using 50 kg of urea and 15 kg of T.S.P. initially. Subsequently 15 kg of urea and 3 kg of T.S.P. was added monthly. No supplementary feeding was done. Over the six month period fishes grew to an average weight of 176 g and to an average length of 29 cm with a survival rate of 74.8%.

*Penaeus indicus* was cultured in a 0.15 ha earthen pond. Five hundred juveniles of the size range 4.2 - 6.6 cm were stocked in late April and were harvested in early June. Fertilization was done using 50 kg of urea and 15 kg of T.S.P. No supplementary feeding was done. Over the period of 70 days prawns grew to an average weight of 18.9 g and to an average total length of 14.8 cm with a survival rate of 42%.