

1999

# New waste disposal system for poultry-fish culture

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Ayyappan, T. M. (1999). New waste disposal system for poultry-fish culture. SEAFDEC Asian Aquaculture, 21(2), 15.

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<http://hdl.handle.net/10862/2752>

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## New waste disposal system for poultry-fish culture

By T Muthu Ayyappan

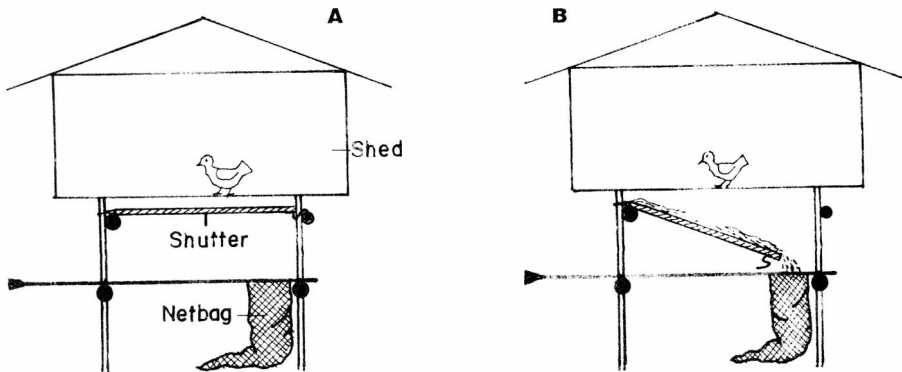
In poultry-cum-fish culture, the droppings of birds form a valuable source of manure for pond culture. It also serves as a direct food for the growing fish.

But bird wastes can not be left where these are dropped by birds in the pond because these just accumulate, becoming of little use to farmers. Collection of wastes from bird sheds and adding them to the pond is inconvenient and time-consuming. This article describes a new system that overcomes these disadvantages.

### Collecting bird droppings

To collect bird droppings, the shutter is released from the shed bottom. The slope of the open shutter makes the droppings fall into the net bag (figure B). The net bag is moved through the pond near the surface of the water. The long handle pole makes this work easy and convenient.

This process may be done periodically as required.



### Construction

The floor of the bird shed is made up of loosely packed frames of bamboo or other suitable local material. Below the shed floor is a shutter made up of closely packed frames. The shutter is fixed under the floor with a hinge on one side. A hook system is provided on the other side to lock or release the shutter when required. A net bag of small mesh size with rectangular mouth frame and a long handle is kept under the shed on two carrier rods. See figure A.

### Uses

- The application of this system prevents eutrophication as bird wastes are no longer accumulated at one site
  - Waste collection is convenient and time-saving
  - Frequent collection of wastes minimizes the risk of disease outbreaks in birds
  - Bird droppings can be spread more evenly throughout the pond as fertilizer or fish food
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### Agri-nipa ... from p 10

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