

(IOTC/WPT/04/INF-3)

## **Introduction to the artificial baits : Effective for the IOTC tagging projects ?**

prepared and coordinated

by

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4. Video demonstration (20 minutes)

Samples are available and will be circulated during the presentation.

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## 1. Introduction

It is getting to be difficult to find the live baits to be used for the IOTC tagging projects in the region. Hence, artificial baits might become one of the alternatives if they are effective and useful. Nichimo Company (Japan) recently started to sell their artificial baits from April this year after some 10 years developmental period. This artificial bait was developed particularly for tuna purse seine, pole & line and other relevant fisheries. Hence, we consider that it is worth while for participants to introduce it to the WPT this year.

## 2. Specifications

### (1) Producer

Nichimou Company

### (2) What stage now ?

Started to sell at commercial bases from April, 2004.

Current user of the product;

#### (a)Purse Seiner Tuna Boat in Japan ( at commercial bases)

Nearly 20 boats are using for tuna operation

They catch median size( 50-70 cm ) of Yellowfin and Albacore Tuna without using Payao.

They use the artificial bait only and get a good result of tuna catch (20-30ton/Net)

2,000 pieces -4,000 pieces of the capsule (artificial bait) are used in one operation of the catch

#### (b) Skipjack P/L Boat ( at trial bases )

Nearly 20 Skipjack P/L boats are having used at trial bases.

Skipjack P/L Boat has live bait tank, so fisherman prefer to use live bait than artificial bait.

All test of the artificial bait was done using both live bait and

artificial bait at sea.

There was no test result of using the artificial bait only.

(3) Price

35 Yen/ pieces ( at retail price in Japan )

( live bait cost 17-8 yen/fish ( almost same price with artificial bait ), but no death of bait and easy to handle them )

(4) Availability of the volume of the bait

Current Production Level

18,000 pieces/day, 500,000 pieces/month

( one piece of capsule has 2 Artificial Baits )

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(6) Pamphlet

English Reference Paper is attached

Video is available ( no voice )

(7) Others

Material of the artificial bait is made of starch and soluble resin, and consequently dissolves in water.

Artificial bait is released from the capsule at the 5 metre depth now and under developing them at 10 metre depth.