

## Insect Infestation and Preventive Measures of Dried Fishery Products in Chalan Beel Area, Bangladesh

Syeda Nusrat Jahan<sup>1</sup>, Fouzia Nasrin<sup>2</sup>, Fawzia Adib Flowra<sup>3</sup>,  
Md. Bayezid Alam<sup>4</sup> and Saleha Jasmine<sup>5</sup>

<sup>1</sup>Department of Fisheries University of Rajshahi, Rajshahi-6205 Bangladesh

<sup>2</sup>MS Student Department of Fisheries University of Rajshahi, Bangladesh

<sup>3,4,5</sup>Department of Fisheries University of Rajshahi, Bangladesh

E-mail: <sup>1</sup>nusratru@yahoo.com, <sup>3</sup>flowrabd@yahoo.com,

<sup>4</sup>alambayezid@gmail.com, <sup>5</sup>psjasmine@yahoo.com

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**Abstract**—The present study was conducted with regard to insect infestation and preventive measures to combat the blowfly infestation of the dried punti fish (*Puntius* sp.) in Chalan beel area, Bangladesh. In this study five treatments were done in sunny weather such as:  $T_1$  (without scaling, gutting and washing as control),  $T_2$  (with red chili powder),  $T_3$  (with turmeric powder),  $T_4$  (preserved with neem leaves) and  $T_5$  (with scaling, gutting, washing and net covering) from January 2015 to December 2015. Organoleptic test was carried out after six months storage period which indicated that  $T_5$  showed excellent result among all the treatments. In case of appearance, the highest mean value ( $8.06 \pm 0.94$ ) was found in  $T_5$  and the lowest value ( $2.94 \pm 1.57$ ) was found in  $T_1$ . With respect to colour, the highest mean value ( $7.50 \pm 0.71$ ) and the lowest mean value ( $3.13 \pm 1.36$ ) were found in  $T_5$  and  $T_1$  respectively. In terms of odour, the highest ( $8.06 \pm 0.78$ ) and the lowest ( $2.88 \pm 1.64$ ) mean values were obtained in  $T_5$  and  $T_1$  respectively. In case of texture, the highest ( $8.06 \pm 0.78$ ) and the lowest ( $2.88 \pm 1.64$ ) mean values were observed in  $T_5$  and  $T_1$  respectively. The dried fishes treated with turmeric powder ( $T_3$ ) exhibited good result having better quality whereas red chili ( $T_2$ ) and neem leaves treated fishes ( $T_4$ ) turned out to be acceptable in terms of quality.

**Keywords:** Dried fish, Insect infestation, preventive measures.