

Rawai Tongpradabpet. 2004. *Production Management Of Nile Tilapia (Tilapia nilotia)*

Cage Culture in Kantarawichai District, Maha Sarakham Province in the Year 2002.

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Abstract

The purposes of this study were to investigate the benefit, interests, quality and problems of the production and marketing of fish raised in a fiber basket, and also supportive factors of raising fish in a fiber basket for the farmers in Kantarawichai, Maha Sarakham. The study will guide a future plan for raising fish in a cage for farmers who want to raise fish in a fiber basket both for food and business.

The primary and secondary data was collected from 20 samples who are farmers in Kantarawichai, Maha Sarakham and it was analyzed in both qualitative and descriptive form. The samples are divided into 3 groups based on the size of the cage. The first group is 5 farmers who have 122 of 2.8×2.8×3 -meter- fiber baskets , the second group is 13 farmers who have 86 of 3×3×3-meter-fiber baskets, and the last group is 2 farmers who have 31 of 3×6×3-meter-fiber baskets.

The results were as follow:

According to the data, it indicates that the farmers are able to use the raising-fish method and management of product suitably to the area. They get a satisfying income. The first group of the farmers gets 722.38 and 585 kilograms of fish a basket approximately. It costs about 7,165.62 and 260.68 baht. The second group of the farmers gets 862.40 and 700.70 kilograms of fish a basket approximately. It costs about 7,990.66 and 2,235.45 baht . The last group of the farmers gets 1,246 and 1,120 kilograms of fish a basket approximately. It costs about 22,706.23 บาท and 7,967.74 baht . The study indicates that most of the farmers can get the benefit of raising fish in a fiber basket in the bank of Chi river, Kantarawicha, Maha Sarakham. However,

some factors affect on raising fish in a fiber basket. They are time, raising site, capital, benefit, and also fish marketing. The price of fish in a fish market is usually controlled by retailers, so some farmers have to sell fish in a cheap price . Consequently, they are in debt of bank and fish-food shop.

As a result, the farmers should be assisted more by both government and private organizations and the issues must be helped are water management, quantitative control of raising fish and natural disaster.