

Sustainable Aquafeed Solution in The Future

Supis Thongrod

Thaiunion Feedmill PCL, 89/1 Moo 2, Kalong Sub-district, Muaeng District, Samut Sakhon Province, Thailand, 84000

Corresponding author, e-mail: supis.thongrod@thaiunion.com

ABSTRACT:

For more than a decade, there has been global concern about the sharp decrease of fish population in nature, which was mainly due to global-wide Illegal, Unreported and Unregulated (IUU) fishing. The seafood exporting countries, including Thailand, are threatened to tackle IUU fishing. This has a direct impact on aqua-feed production, due to fishmeal and fish oil as the main raw materials used. To tackle of IUU fishing, a certified sustainable source of fishmeal/ fish oil is required. This is leading to difficulty in finding good quality fishmeal. Therefore, our researches have to aim at fishmeal/fish oil replacement for sustainable fisheries.

Information for this presentation was mainly derived from our research conducted at our facility to reveal the pros and cons of tested raw materials namely, insect meal, mixed microorganisms, plant protein etc., in comparison to fishmeal and algae oil to replace fish oil.

KEYWORDS:

Fishmeal, Fish oil, insect meal, mixed microorganism, algae oil