

Effect of EM on Shrimp Culture in Different Salinity Levels of Water

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Abstract : *The influence of EM (extended EM, Bokashi and EM5) applied for pond preparation and also during tiger prawn culturing until harvest were compared in two shrimp farms located in two different provinces in Thailand, one having water salinity of 0-2ppt and the other 20 - 22 ppt. The water was tested for BOD, COD, NH₃, P, pH, coliform and salinity one day before starting and 60 and 90 days after starting. The first weight of shrimp was measured after harvest and feed plus EM consumption were calculated to determine cost, yield, income and profit. Results showed that shrimp were healthy with less odour and disease free. The cost of production was low because EM price was cheaper and feed consumption ratio was lower. Treated ponds had three harvests of shrimp per year without exchanging water whereas conventional farms could have only one or two harvests per year with water exchange. The production of EM shrimp farming is really organic shrimps.*
