

# Effect of Water Temperature on Culture Pearl Oyster Survival Rates

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## Abstract

We investigated the relationships between water temperature and the hatchery-born oyster survival rate of the Myanmar pearl oyster, *Pinctada Maxima*, suspended in the sea water culture during the three hatchery seasons to understand the relationships between pearl oyster survival rate and some environmental factors. The survival rate of the oysters during the summer was restricted by the temperature of the water ( $> 30\text{ }^{\circ}\text{C}$ ) while the survival rate is poor although food abundance, and during the winter ( $< 30\text{ }^{\circ}\text{C}$ ) while the survival rate is large. Such findings indicate that *P. Maxima* could well thrive the locations with more sufficient water temperatures range between ( $25\text{-}30\text{ }^{\circ}\text{C}$ ), resulting in a good survival rate.

**Key words:** pearl oyster, *Pinctada Maxima*, survival rate, water temperature

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