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**REPRODUCTIVE PERIOD, AVERAGE HEIGHT FOR THE DEVELOPMENT OF
THE BROOD POUCH AND SEXUAL MATURATION OF THE SEAHORSE
HIPPOCAMPUS REIDI (SYNGNATHIDAE) IN THE NORTHEAST OF BRAZIL**

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Abstract

Seahorses (Syngnathidae: *Hippocampus*) are fish threatened with extinction worldwide, requiring management plans for their conservation. For this purpose, researchers seek to know the life history of each species, recording their occurrence and distribution in each habitat. The longsnout seahorse, *Hippocampus reidi*, presented a reproductive period throughout the year in the Maracaípe mangroves, PE, with peaks of the reproductive season occurring between May and November. The mean height at which the male develops the brood pouch occurred at 10.0 (\pm 1.1) cm and the height at the first gonad maturation (L₅₀) was 12.3 (\pm 0.48) cm. Population data obtained in this study aim to contribute to the elaboration of the management plan for the species in the Brazilian tropical regions.

Keywords: Fish, Reproduction, Biological Parameters, Reproductive Season, Reproductive Size

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