

FARMER FRIENDLY LOW COST BREEDING AND SEED REARING TECHNOLOGY OF WALKING CAT FISH (*CLARIAS MAGUR*)

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Abstract—The present study was conducted at Department of Aquaculture, College of Fisheries, Assam Agricultural University, Raha, Assam in the year 2019 to assess the success of induced breeding with cost effective breeding method and growth performance of larvae of *Clarias magur* (magur). The observations on breeding trials suggested that a dose of ovaprim @ 1.5 ml/kg female is appropriate with a latency period of 24 hrs in *C. magur* under the prevailing environmental conditions. The experiments were conducted in the 1st, 2nd and 3rd week of June, at 1.5 ml, 2.0 ml and 1.5 ml Ovaprim dose level recording a latency 26 hrs, 26 hrs and 24 hrs respectively. The percentage of fertilization at three trials was 76, 78 and 85% respectively. Hatching rate ranged between 70 to 84%. It was 70% in 1st trial, 84% in 2nd and 80% in 3rd trial.

Keywords: Induced breeding, brood stock, *Clarias magur* (magur), larvae and growth.