

**Constraints regarding availability of mature females of Mahaseer, Tor putitora, in the Farm reared brood stock for induced breeding at Anji Mahaseer Hatchery.**

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**ABSTRACT**

Induced breeding of Farm reared brood stock of local strain of Mahaseer, Tor putitora is being undertaken at exclusive Mahaseer hatchery at Anji, Reasi during the month of September since 1999.

The mature Farm reared Mahaseer females are injected with Ovatide/Ovaprim @ 1.0 ml/kg. to the female and 0.5ml/kg. to the male during the second or third week of September when maximum number of females are found to have mature eggs, the eggs are fertilized by dry stripping after 16-18 hrs. of injections. Hatching of eggs is undertaken in floating trays which are kept in specially designed troughs.

During the course of last four years it has been observed that the appropriate time when maximum number of females are found to have mature eggs in the belly is during second or third week of September and this is the period when the brooders are injected and subsequently stripped for obtaining fertilized eggs.

Observations over the period of 4 years have shown that out of 2469 total brood stock available only 176 females were found to contain eggs and were selected for injection and out of which 112 were stripped successfully, The results thus indicate that only 7.12% mature females could be obtained and injected and out of these 63.6% were stripped successfully.

The results thus indicate that maturity of females is not synchronous and some practice has to be employed to increase the number of mature females during the peak breeding season, so as to get maximum number of fertilized eggs during the given period for making breeding programme compact and to avoid mishandling of brood stock in the farm by repeated netting and thereby injection the brood stock which is likely to succumb to infections after the injury.

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*The paper was presented in CIFE workshop on conservation and management need for Mahaseer during 17<sup>th</sup> to 21<sup>st</sup> June 2006, as specially invitee.*