

Technology No. 10

NON-INBRED SEED PRODUCTION OF CARP

Division: Aquaculture

Technical details:

The technique is employed to produce non inbred seed of carps by crossing genetic lines/ parents from unrelated ancestry with superior records. Progeny thus produced is suitable to be developed as future brood stock for further propagation. Suitable breeding plans are also suggested to exploit the genetic potential.

Description of technology:

The parent stocks are maintained at a central breeding farm. Fry and fingerlings of the carps (rohu) are provided to the government / private hatchery owners who further produce the seed propagation. The fingerlings are tagged so that their growth can be monitored. Based on the identification of the individuals, breeding plan is given for further reproduction. The record of the progeny and the farmers to whom these are provided are maintained. Growth of the stock is monitored and productivity can be evidenced by comparing with other stock. Along with this, the hatchery managers are advised on how to raise the brood stock and develop the seed. Tagging, recording the performance of progeny and replacement of the brood stock is streamlined for further research on brood stock development and management for quality seed production.

Technology benefits:

Hatchery manager will be in a position to maintain the stock of high quality. Fry and fingerlings will not exhibit inbreeding depression with respect to major economic traits. In turn, the farmers get the advantage of the technique.

Contact details:

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