

# EFFECT OF PHOSPHORUS DYNAMICS ON FISH GROWTH

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**T**he present study was made to examine the phosphate dynamics on fish growth in poly culture system of *Labeo rohita*, *Chirrinus mrigala* and *Cyprinus carpio*, fed with 35% crude protein (CP) level diet. These fish species were stocked in six earthen ponds. Six ponds were treated with 2 strategies; 1) Fertilizers + no Feed, 2) Fertilizers + Supplementary feed. Inorganic and organic fertilizers; nitrophos, urea and cow dung were added at 5 kg/acre/week, 0.5 kg/acre/week and 280kg/acre/week respectively, and the feed of 35% C.P level was added at 2 % of body weight of fish twice a day. In the 3 months examination it was concluded that the best strategy for fish growth is strategy 2 and the species which shows the maximum growth was *Labeo rohita*.

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