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Effect of Selected Vegetable Oils on Growth of Labeo rohita (Hamilton, 1822) Fingerlings

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The present study comparative efficacy of selected vegetables in relation to fish growth was tested for this purpose four vegetable oils (sunflower oil, mustard oil, sesame oil & soybean oil) were supplemented (@10 %) in basal diet (comprising GOC (40%), RB (40%) wheat flour and mineral mixture (20%) having four treatments and one control, in triplicate an experiment was conducted in complete randomized design and experiment was run for 60 days. Healthy fingerlings (15 tanks) of L rohita were started in plastic tanks of 200 lit. These were fed on experimental diet at 3 per cent of their body weight twice in day in split dose. The growth performance and selected water quality parameters were monitored at an interval of 15 days. The impact of vegetable oils supplication was not visible from the recorded water quality parameters. As the values were more or less same in the treatments groups. However the impact of oils supplanted diet was clearly evident from the enhanced the growth rate. The respective maximum value of weight gain, per cent weight gain, SGR, GCE and PER 7.417±.136, 60.076±1.557, 0.784±.016, 0.266±.005 and 0.322 ±.003 in T5. However the FCR (6.20) was highest in control. From the friendly of present study is clear that soybean oil at the rate of 10 obtaining maximum growth of fish use of 10 per cent supplementation in Labeo rohita diet is recommended.