Effect of homeopathic complex Homeopatila 100® on performance, production and hatching of zebrafish eggs

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This research verifies the influence of the homeopathic complex Homeopatila 100® on productive and reproductive parameters of zebrafish (Danio rerio). The composition of the homeopathic complex Homeopatila 100® for 1.000mL was: 250mL of *Iodum* 12cH, 250mL of Sulphur 30cH, 250mL of *Natrum muriaticum* 200 cH, 250mL of *Streptococcinum* 30 cH and q.s.p. medium (ethyl alcohol 30º GL). Six females and six males were distributed in each of 16 aquaria of 25 L, totalizing 48 fish per treatment and 192 in the experiment. The control treatment as well as three concentrations of the homeopathic complex Homeopatila 100® were administered as follows: T1 (control), 20 mL hydroalcoholic solution (alcohol 30º GL); T2, 20 mL; T3, 40mL; and T4, 60mL of Homeopatila 100® per kg of meal, with four repetitions for each treatment. The hepatosomatic (HSI) and gonadosomatic (GSI) indices of eight females and eight males were calculated in each treatment. Reproductions of six couples of each treatment were established to evaluate the number of eggs per female and hatch rate. The data was submitted to analysis of variance and Tukey test for comparison of means ($p < 0,1$). The weight of the animals did not differ statistically between the treatments. The animals fed the control diet had lower GSI for males and lower larvae hatch rate (57.1%). Lower HSI of females fed a diet containing 20mL of Homeopatila 100® compared to control was observed. The hatching rate was higher for T2 and T4 animals, being above 75.0%.

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