

# THE EFFECT OF VITAMINS AND PROPOLIS ON THE LARVAE OF *ACIPENSER RUTHENUS*

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## **Abstract**

*Although the sterlet (*Acipenser ruthenus*) is a sturgeon that has adapted perfectly to life in freshwater and has characteristics of interest for intensive aquaculture in RAS, growth is limited by the high price of natural food (tubifex used until larvae reach 5 cm) and the high mortality rate that occurs when switching to another feed. The aim of this paper is to evaluate the growth and survival rate of sterlet larvae from 3 weeks post-hatching to 15 weeks, in relation to commercial and improved feed diets with vitamins and propolis. Bioproductive indices such as body weight gain (BW), specific growth rate (SGR) and feed conversion ratio (FCR) were calculated at the end of an experimental period of 84 days.*

**Key words:** *Acipenser ruthenus*, recirculating system, survival rate, growth parameters