

The effect of diets with different protein/lipid ratios on productive performance and carcass characteristics of the Pacific salmon (*Oncorhynchus kisutch*) Efecto de dietas con diferentes proporciones de proteínas y lípidos sobre la respuesta productiva y

Pokniak, J.

Muñoz, S.

Diaz, N.

Gonzalez, C.

Díaz, I.

The objective of the present study was to evaluate the productive performance, carcass characteristics and the food cost of each kg body weight gained per salmon fed with different proportions of protein/lipid in their diet during their final fattening period (P/L). Three thousand and three hundred coho salmon were randomly assigned to three diets with two repetitions each. The fishes of the first group were fed a diet with 45% of protein and 22% of lipids (P/L 2.04) (control). The second group received a diet with 43% protein 26% lipids diet (P/L 1.65), and the third group a diet with 40% protein 30% lipids diet (P/L 1.33). The productive performance was evaluated taking into account the feed consumption, weight gain, feed conversion efficiency, specific growth rate and average final weight. The characteristics quality were evaluated considering body length, condition factor, eviscerated weight, carcass yield, viscera weight, liver weight, gonad weights, perivisceral fat and belly th