O 28. EXTRUSION TECHNOLOGY OF EXTRUDE FEED OF RAINBOW TROUT (ONCHORYNCHYS MYKISS WALBAUM, 1792)

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ABSTRACT: The objective of our research is to develop an efficient and ecological rainbow trout (*Onchorynchys Mykiss*) food formulation, which can meet the rainbow trout metabolic needs. The comparative testing of three fish food formulation (A, B and C) revealed that food B is the most efficient formulation. This was reflected by the zootechnical performances with the least fish discard than food A and C. Based on results of this experience; we have taken food B as a reference to develop a new formulation according to the eco requirement and social economy.
Two types foods of rainbow trout extruded (F1 and F2) have been formulated and prepared using a variety of animal and plant-derived raw materials.
F1 was formulated with fish meal as the main source of protein and F2 with a high percentage of corn gluten.
The two formulas developed for rainbow trout give significant growth for a short period in 34-days, better zootechnical performances and low fish releases.

Keywords: Extruded, food, rainbow trout, formulation, zootechnical performance, ecological