

Environmental and Economic Evaluation for the Breeding of Grass Carp in Egypt's Water Channels[#]

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Abstract. research aims to evaluate the biological control of weeds for the culture of fingerlings fish grass carp, by highlighting the economic, environmental and social, based on this research to the economic analysis descriptive and quantitative to estimate and explain the phenomena related to the subject matter on the basis of measurements studies feasibility and evaluation of economic projects, and noted the results of research to the return of the production of fingerlings of about 1.02, 1.36, 2.635, million pounds in cases production current expectancy and full capacity respectively. The yield indirect has been estimated at about 46.28, 61.7, 1119.55, one million pounds for the cases of three respectively were estimated payback period for the project in case of return of direct 45, 18.5 4, the year of the three cases respectively while the estimated internal rate of return of 2% , 5%, 25% of the cases of three The yield indirect has increase than 100% and recommended that the results of research that denominated biological led to raising the efficiency of use of water resources, increase production fish, increase the agricultural area, to increase agricultural production, reduce water loss 0.71 at about 1.033 billion cubic meter annually as equivalent to 1.9% of Egypt's share of the Nile River where led to provide the amount of irrigation water in the light of these results, the study recommends the need to expand the dynamic resistance of aquatic weeds, especially fish farming Congratulations and grasses.

Keywords: *internal rate, benefits to costs, present value, payback period. Water*

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