Estimate The Optimum Production Of Fish _ Farms In Salah _ Aldeen Governorate For Season Production 2012

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(Abstract)

In this research , the production and cost function were conducted from a random sample composed of (70) farms of fish in salah al - deen Governorate , the data were obtained by a quistionaire , for this purpose , cost function , the linear , Quadratic and Cupic models were applied , the Quadratic function was chosen as the best according to statistical and Economical crietera , and from this function the production which minimize the cost was calculated and it was mounted to (3) tons \ donum , while the production which maximize the profts mounted to(3. 2) tons \ donum , the optimum area was conducted too and it was mounted to (1.711) donum , the production function was applied , between the production per donum as dependent variable , the long – run cost function was conducted from the production function , and it was found that the price elasticity for long – run was mounted to (0.385) , in this research and in order to expand the production to fish , it was recommended to subsidize the prices of forarage , medicine and to expand the loans in order to expand the production to the limit of self – sufficient .

Key words : The fish , the costs , the optimum size