

# **ECONOMIC ANALYSIS OF THE FUNCTIONS OF PRODUCTION COSTS FOR THE PEANUT CROP IN DIYALA PROVINCE.**

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## **ABSTRACT**

The study aimed to identify the cost structure and production functions estimate costs for the peanut crop. The results showed an analysis of the cost structure of crop production variable costs accounted for approximately 45.2% of total costs accounted for work automation on the most important by 33.2%, while fixed costs are formed 54.8% of the total costs, such as family work the important by paragraphs 60.1%. By assessing the total cost function shows the formula Cube is the more significant of functions with the economic logic and standard, The results showed the size of production optimization 13.49 tons, size best can be exploited achieve this size about 21.18 dunum. estimated the size production the profit 15.01tons, the area best achieve size approximately ٢٣.٥٦ dunum. The estimated elasticity of costs, amounted 1 achieved the level of production13.496 tons. estimated minimum price to be accepted by farmers told of 768.49 thousand dinars / ton.

**Key Word:** the peanut. production function costs.