

Abstract

With regard to the importance of management of agricultural units, the use of models of optimal planning in determining the pattern is a significant discovery. On the research of the fuzzy models of ideal planning how we optimize pattern taking into account the maximum revenue goals. Maximize the use of the labour force at least the use of chemical fertilizer is used. Unlike deterministic models of ideal planning the approach to the decision of the receiver of each arman in the specified. The data required for crop year (2013-2014) was collected. In this article the analysis of the theory of fuzzy linear programming model, ideal, functional optimization of the cropping pattern in agricultural lands located in the area of Niloofar mirage has been shown. The results suggest that it is the change in weight related to the cultivated products wheat and rape sure it gets. Finally with the products wheat, canola, rape and lentil remained in the cropping pattern, barley and pease removed from the template. The most relevant product cultivation canola and the lowest were related to the product rape respectively. As well as the optimal target levels set for each was ideal.

Keywords: Armani Planning Model, Multi-Choice, Cropping Pattern, Niloofar Mirag



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**Application of fuzzy multi-choice goal
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cropping pattern :A case study of Niloofar
Mirage in Kermanshah province**

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