

## **Effectiveness study of the extension activities invested to enhance readiness level of the farmers in the risk management of the dust particle dispersion**

**Derakhshan B.<sup>\*1</sup>, Farhadian H.<sup>2</sup>**

<sup>1</sup> Master of Science student in the agriculture college, Modares University, Tehran

<sup>2</sup> Assistant professor in the agriculture engineering, Modares University, Tehran  
b-derakhshan@ara-research.com

In this research the agriculture extension activities in line with attempts preparing some of the farmers in the north of Khuzestan province to reduce or tolerate the risks and hazard of particle dispersion phenomena, is being studied. In order to achieve the proper indices for the evaluation of the aware level and particularly the degree by which extension activities being successful, a statistical study has been scheduled. Through five big agriculture lands in the north of Khuzestan, 50 sample farmers were selected among which the society is defined. The two parameters including risk management skills and dust particle dispersion effects are specially considered and being measured in this sample. It is followed by the statistical analysis in which the order of variance has been assumed to be a measure of success. Essentially the mentioned method of sensing needed some reference data for the relative comparison. Therefore the second group of questions has been issued non-related or general idea topics. The results depict that although these extension activities considerably enhance level of knowledge, still there is serious lack of readiness among the farmers.

**Key Words:** risk management, dust particle dispersion, climate change, extension activities, north Khuzestan