The Comparison of Farmers’ Satisfaction with Implementation of Laser Land Levelling Plans in Fars Province

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Abstract
Farmers’ satisfaction with technology impacts is considered as one of the determinants of continuation of adopted technology is considering the promotion of laser land leveling it is important to compare the level of farmers’ satisfaction with the new technology and the conventional method. Purpose of this paper was to analysis farmers’ satisfaction with implementation of conventional and laser land levelling. Quantitative and qualitative methods were used. In quantitative stage of survey method and in qualitative stage case study were used. The participants at quantitative stage were 375 farmers (258 adopters of laser land leveling and 117 adopters of conventional leveling) were selected with using stratified random sampling. At qualitative stage 7 farmers were interviewed. The results show that the farmers believe that the main problems of conventional leveling are improper slope rating, high volume of excavation and lack of expertise of topographer. The main problems of laser land leveling are uneconomical efficiency in the first year after leveling, lack of monitoring and low accuracy leveling. Also the satisfaction of farmers with laser land levelling is higher than conventional levelling. At the end based on the results some practical suggestions have been presented.

Keywords: Satisfaction, Laser leveling, Engineering Leveling, Fars Province.

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