

Obstacles of transferring the agricultural techniques among the farmers of the New Valley Governorate

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Abstract

The research aimed at identifying the obstacles of transferring the agricultural techniques among the farmers of the New Valley. Governorate. the impact of such obstacles transferring such techniques from the viewpoint of the respondents of agricultural extension workers and agricultural researchers working at the stations of the Agricultural Research Center and Desert Research Center in the New Valley. recognizing the suggestions that enhance the process of transferring the agricultural techniques at the research area.

The research was carried out in Wadi El-Gadid Governorate. one of Egypt's most promising desert governorates for comprehensive development where many modern agricultural techniques are spread there. The research included all agricultural extension workers in the research area (179) agricultural engineers in addition to all agricultural researchers at the Agricultural Research Center (39) researchers. The data were collected using a questionnaire form prepared for this purpose during the months of July and August 2017. Frequencies. percentages and intermediate grades were used to present the research results.

The most important results were:

- The Average degrees of the respondents working in the agricultural extension field in the research area towards the obstacles transferring the agricultural techniques had values limited to a maximum of (0.67) degrees for the obstacle of "modern technologies do not address the problems of farmers" and a minimum of (0.08) "Lack of an effective network of links between research centers and extension agencies."
- Average degrees of respondents working in the agricultural extension field towards the impact of transferring such agricultural techniques had values limited to a maximum of (2.51) degrees for the obstacle of "modern technologies that do not address farmers' problems" with a minimum of (2.07) obstacle of "agricultural extension."
- The average degrees of the viewpoint of the respondents' of agricultural researchers working in the stations of the Agricultural Research Center and the Desert Research Center in the research area towards the obstacles of the transfer of agricultural techniques were limited to a maximum value of (0.95) and a minimum (0.05) degree of obstacle of "modern technologies do not address the problems of farmers".

- Average degrees of viewpoints of respondents from the researchers working in the stations of the Agricultural Research Center and Desert Research Center in the area of research on the impact of these obstacles on the transfer of agricultural techniques had values limited between a maximum of (2.55) degree of the obstacle of "lack of material resources for the farmer to apply modern technology" to a minimum of (2.00) degrees of obstacle of "Modern techniques designed to address specific constraints". "Lack of availability of extension fields for applying the research and the inadequate the applied research."
- Respondents working in the agricultural extension field at the research area reported that the obstacles related the financial aspects came first with (98 %) of the total respondents' point of views. followed by the obstacles related to the farmers was (93 %). then the obstacles related to the extension system with (89 %) and finally came the obstacles related to the research institutions wit (85 %) of the total respondents' point of views.
- The respondents of the agricultural researchers at the stations of the Agricultural Research Center and the Desert Research Center reported that the obstacles related to the extension system came first with (95%) of the total respondents 'opinions. followed by the obstacles related to the research institutions by (90%). followed by the obstacles related to the farmers with (79 %) and finally the obstacles related to the financial aspects (64%) of the total views of the respondents.
- The average degrees of respondents' opinions who work in the agricultural extension field at the research area in terms of the degree of confirming their suggestions to enhance transferring the agricultural techniques was limited to a maximum of (2.95) for the proposal of "using the expert systems of the agricultural extension system and the research bodies to create an effective communication network In both directions "and a minimum of (2.54) degrees for the proposal of strengthening the links between the different organizations that perform extension roles at the research area by establishing effective channels of communication between them.
- The average degrees of the respondents of the agricultural researchers at the stations of the Agricultural Research Center and the Desert Research Center were limited in terms of supporting the proposals of enhancing the transfer of agricultural techniques in the research area between a maximum of (3.00) for the proposal of " An effective communication network in both directions "and a minimum of (1.74) degrees for the proposal of establishing extension fields in farmer fields jointly between agricultural extension workers and researchers."

