

Extension needs of wheat Crop farmers in village of Bani Obaid in Abu Qurqas district Minya governorate

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Abstract

The main objective of the research was to identify the personal, social and economic characteristics of the respondents, to identify the level of the respondents' cognitive and executive guiding needs for the technical recommendations for cultivating wheat, and to determine the correlation between the degree of cognitive and executive guiding needs of the respondents for the technical recommendations for cultivating wheat, and between each Of the studied independent variables, as well as identifying the productive problems facing the farmers in question to grow wheat and their proposals for a solution.

In the research, the descriptive exploratory method was used to describe the surveyed farmers in Minya Governorate, and the analytical method was used to study the correlational relationships between the research variables. A random sample of 135 respondents was selected from the farmers surveyed in the village of Bani Obeid, Abu Qurqas Center, Minya Governorate. The data was collected during the personal interview using the questionnaire during the months of July and August 2019.

It was used in data presentation and statistical analysis of frequencies, percentages using the tables of frequency and percentage and Spearman's correlation coefficient to test the correlation between the studied variables, using the SPSS program.

The most important results are summarized as follows:

1. That 55.6% of respondents are in the age group (36–55 years), and that 75.2% of respondents fall into the category of large families (of 7 or more individuals), 62.2% of respondents are illiterate, and 71.1% of respondents work in agriculture Only, and that 75.6% of the respondents own medium agricultural holdings (4–6 acres), and that 84.4% of the respondents do not have agricultural machines, and that 80% of the respondents have small farm animals, and that 71.1% of the respondents have a low degree of opinion leadership. And 75.6% of the respondents stated that the credibility of their extension information sources is low, and that 77.8% of the respondents answered that their contribution to the extension activities is low

2. The studied wheat growers have a high level of knowledge need regarding the following technical recommendations: fertilization by 84.5%, disease resistance by 84%, land preparation and cultivation by 83.5%
3. .The studied wheat growers have a high level of implementation need with regard to the following technical recommendations: fertilization by 88.5%, disease resistance, land preparation and cultivation by 87% for each.
4. There is a significant and positive relationship at a significant level of 0.01 between the degree of knowledge need for the farmers of the surveyed wheat crop with regard to technical recommendations and between age, family size, full-time agricultural work, and the size of agricultural holding.
5. There is a significant and negative relationship at the level of 0.01 with each of the following variables: educational status, opinion leadership degree, and degree of contribution to extension activities.
6. There is a significant and positive relationship at a significant level of 0.01 between the degree of executive need of the studied wheat growers with regard to the technical recommendations related to each of them, and between age, family size, dedication to agricultural work, and the size of agricultural holding.
7. There is a significant and negative relationship at the level of 0.01 with each of the following factors: the educational status, the degree of opinion leadership, and the degree of contribution to the extension activities.
8. The most important problems facing the respondents during the production process of wheat crop are the high cost of irrigation by 48.9%, the lack of availability of organic and biological fertilizers and the increase in their prices by 48.1%.