

Using Farmer the smart card in some villages of Gharbia Governorate

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Abstract

The research aimed to identify the reality and level of using the smart farmer card system, the level of farmers' knowledge of ways to benefit from it, determining the relationship between the independent studied variables and the degree of farmers' knowledge of aspects of benefit from using the smart farmer card, identifying the most important indicative methods which using to awareness farmers and publishing the smart farmer card system.

The sample was collected from (226) respondents selected randomly from the farmers' four villages in Gharbia Governorate; the data were collected using a questionnaire by personal interview during November 2020.

Frequencies, percentages, arithmetic mean standard deviation, Alpha coefficient, Means, simple correlation "Pearson", multiple linear regressions, and "T-test" to display and analyze data.

The research reached the following results

- 1-The results showed that nearly three-quarters of the respondents and less take their share of seeds, fertilizers and chemical pesticides on the right time, used the smart farmer's card in selling crops and transferring agricultural ownership, While other uses were not really applied. The level of using smart farmer card was medium and low.
- 2- There were significant differences between farmers' knowledge of the benefits from using the smart farmer card degree of respondents grouped according to sex, main work, and ownership of agricultural projects.
- 3- There is a significant positive correlation between degree of farmers' knowledge of benefiting from the smart farmer's card and each of years of education, Mind flexibility, and trend towards change. There is a negative correlation with the number of years of experience in agricultural work.
- 4- The respondents confirmed that seminars and extension meeting(91.2%), television programs(62,4%),office visits,informative publication(45,6%), convoys and extension campaigns, informative materials in newspapers and magazines, advisory services provided in agricultural satellite channels, and agricultural radio programs are the most important extension methods that used from awareness farmers and publishing the smart farmer card system.
- 5-Results showed(83,6 %) that: difficulty of having chemical manure for some crops and fruit crops, limited of agricultural area, a few Agricultural extension agents, weak capabilities of agricultural societies, absence of the employee Responsible for the exchange machine, delay in chemical manure, computer illiteracy, weak internet, frequent computer malfunctions and fake holdings, were the most important obstacles facing the smart farmer's card system.
- 6- It's necessary to provide more than one exchange machine for agricultural supplies, strengthening mobile networks and the Internet, providing computers, and facilitating of getting smart farmer card.