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Comparison of farmer happiness and rural life satisfaction through the survey of major agricultural products panel

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Abstract

There is a growing need to understand how local, farm household, and elementary units are responding to changes in agricultural conditions due to increased internal and external agrarian conditions and increased uncertainty in agricultural management due to increasing FTA and climate change. Therefore, we analyze dynamics of changes through more detailed and precise gathering of information related to agricultural products and DB, and by analyzing the satisfaction level of the first year panel survey by constructing a producer panel for utilization in agricultural research and policy. A total of 500 farmers in the producer panel who mainly grow rice, garlic, onion, strawberry, apple were collected through questionnaires. The actual analysis used data from a total of 393 farm households, including 82 farms of rice, 51 farms of apple, 100 farms of garlic, 88 farms of onion and 72 farmhouses of strawberry. The distribution by age was similar to the distribution of rural ages in Korea, with 2.8% under 30s, 17.6% in 40s, 32.4% in 50s, 37.5% in 60s and 9.7% in 70s. Panel happiness and rural life satisfaction were examined using the 7 - point Likert scale and the analysis method was one - way ANOVA. The results showed that the happiness of garlic and strawberry cultivator was significantly higher than that of rice and onion cultivator. However, the satisfaction of rural life did not show any difference among the cultivars. As a result of difference verification about Agricultural Outlook and Crop-specific Outlook after 5 years, there was no difference between the crops in terms of prospects for Korean agriculture after five years, but a survey of industrial prospects for crops after five years showed that the rice growers have a significantly negative outlook compared to garlic, onion and strawberry growers, and garlic and onion growers have a more positive outlook than rice and apple growers. As a result of verifying whether there is a difference in ages between the agricultural prospects and the industrial prospects by crops after 5 years, there was no difference between the ages of prospects for Korean agriculture after 5 years, However, in the survey on industrial prospects by crops after 5 years, 40s were more positive than 60s.

Keywords : panel data, one-way ANOVA, degree of happiness, life satisfaction

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