

## **Factors affecting on knowledge of Salmon aquaculture farmers in Mahneshan Township**

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In recent years, increasing yields of salmon farms (both quantity and quality) is very vital because per capita consumption of white meat (particularly fish) have been increasing continually in the community. Knowledge of farm owners are one of the most important factors affecting their farm yields. Knowledge was also influenced by many factors including educational level and other variables. This descriptive correlational study aimed to investigate the Factors Affecting aquaculture farmers' knowledge. The population of this research was all managers of salmon aquacultures in Mahneshan Township (N= 147) which 110 of them were selected using Krejsi and Morgan sampling table and by the stratified randomized sampling method. Analysis of data showed that majority of owners' knowledge (80.9%) was medium and low. In addition, the correlation analysis revealed that owners' knowledge had negative meaningful correlation with age, household number, and farm loss rate but on the contrary, positive meaningful correlation with variables e.g. educational level and rate of information use. Regression analysis revealed that two variables named as educational level and rate of information use from aquaculture experts explained 65.7 percent of owners' knowledge.

**Key Words:** Salmon Fish, Breeders knowledge, Mahneshan Township