

**AWARENESS AND PRACTICE OF OIL-MILLERS  
RELATED TO AFLATOXIN CONTAMINATION ON  
PEANUT OIL IN MAGWAY TOWNSHIP**

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## ABSTRACT

Aflatoxin contamination of food is a significant world-wide health related problem and mycotoxin and aflatoxin are contaminated in peanut in the stage of harvesting, post-harvesting and storage condition. A cross-sectional descriptive study was conducted to find out the awareness and practice of oil-millers related to aflatoxin contamination on peanut oil in Magway Township. The study period was from September to December, 2017 and one hundred oil-millers in selected area participated in this study. Data collection was done by face to face interviews with pre-tested structured questionnaires. Regarding to socio-demographic findings, (84.0%) of oil-millers was male out of 100 respondents. The mean age of the study population was 48.35(9.929) years while the youngest was 28 years and the eldest was 73 years. According to findings, (23.0%) of the oil-millers had primary school level of education and (44.0%) of respondents had less than 500,000 kyats in monthly income of work. Nearly half of the respondents (49%) had less than 10 years in duration of sale service. In this study, oil-millers had (45.0%) of high knowledge level with mean (SD) 15.0 (4.6), (55.0%) of positive attitude level with mean (SD) score 49. (2.3) and (62.0%) of good practice level with mean (SD) 5.4 (1.8). There was a significant association between education level and knowledge level (p value <0.05) and attitude level (p value <0.05) of oil-millers. There was also statistically significant association between year of selling group and knowledge level (p value <0.05) of oilmillers. There were statistically significant associations between knowledge and practice, knowledge and attitude of oil-millers. This study stated that knowledge, attitude and practice level of the oil-millers in study area was poor. Therefore, it is very important to provide health education about aflatoxin contamination and how to prevent aflatoxin contamination in peanut oil and also there is in need of law enforcement for regulation of practices of oil millers in study area.