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PRESENCE OF *CAMPYLOBACTER JEJUNI* IN QUAIL MEAT OBTAINED FROM TWO ORGANIC FARMS

Koluman, A.¹, Kahraman T.^{2*}

This study was designed to determine the presence of *C. jejuni* using the conventional cultural technique from whole quails. *C. jejuni* strains were confirmed using the *ceuE* PCR technic.

240 samples were obtained from two different farms monthly. The enrichment based ISO (ISO 10272) method was used for the isolation and identification of thermophilic *Campylobacter* spp. in all samples. *C. jejuni* strains were verified by *ceuE* gene.

In the result, 82 of 240 (34.1 %) samples were found to be contaminated with thermophilic *Campylobacter* species. *C. jejuni* was present in 68 of 240 (28.3%). The monthly distribution of *C. jejuni* according to two farms is shown in figure 1.

In the conclusion, *C. jejuni* contamination of organic quail flocks changes with the seasonal changes according to the temperature. This study underlines the importance of *C. jejuni* as a public health hazard.

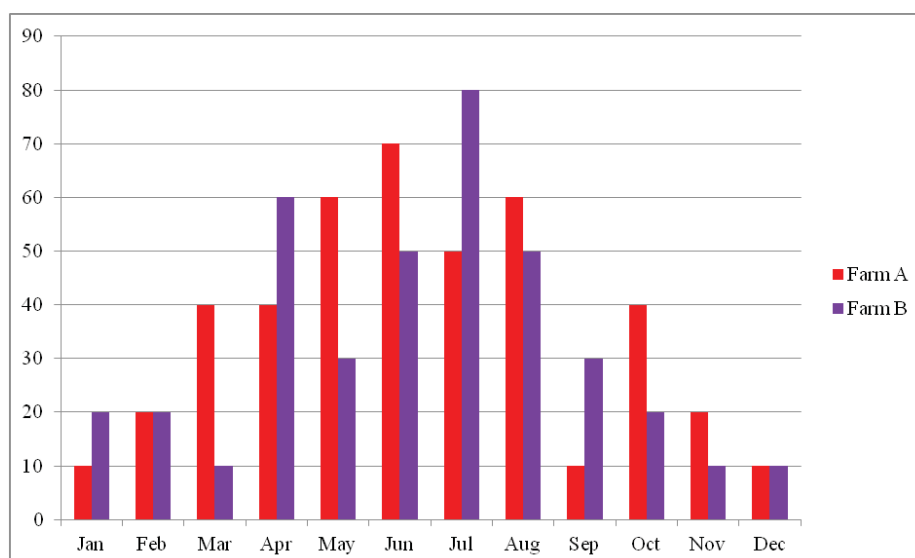


Figure 1. Monthly distribution of *C. jejuni* strains in two different farms

¹ Ministry of Food Agriculture and Livestock, Food Control Laboratory, Adana, Turkey

² Istanbul University, Faculty of Veterinary Medicine, Istanbul, Turkey

* tolgakah@istanbul.edu.tr