

Prevalence of Salmonella on commercial layer farms in Barbados, 2009-2010

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During January - March 2009, an outbreak of Salmonella was detected in four commercial layer farms in Barbados. During the outbreak, a total of 511 layers died, and 3,257 layers were voluntarily culled from one affected farm. Salmonella Enteritidis was identified in avian tissues (ovaries, liver, uterus), and egg samples submitted to the Ministry of Agriculture, Food, Fisheries, Industry and Small Business Development (MAFFI) Veterinary Services (VS) Laboratory by managers of the affected farms. As a result of this outbreak, MAFFI VS conducted a survey to investigate the prevalence of Salmonella on commercial layer farms in Barbados. In addition, the relationships between farm-level exposure factors and diagnosis of Salmonella were examined. This paper describes the results of this survey.

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