Endemic situation of Brucellosis in dairy farms after RB51 vaccination

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Abstract:

The aim of this study is detection of annually endemic situation of bovine brucellosis in dairy farms after RB51 vaccination allover 4 years (2008- 2011). The abortion rates were 1.16%, 1.19%, 0.92%, 1.27% in 2008, 2009, 2010 and 2011 respectively. While the total prevalence rate were 2.81%, 2.39%, and 2.49% by BAPAT, CFT and ELISA respectively. There are non-significant differences between years by different serological tests. The study concluded that the efficacy of RB51 vaccination program in decreasing the abortion rate and infection, but it failed in elimination of brucellosis which need reevaluation of brucellosis control program components and need further study in brucellosis endemic situation especially in other natural hosts which facilitate maintenance of infection in endemic areas.

Keywords:

Brucellosis, Cattle, RB51

Published In:

The 8th international scientific conference, Faculty of veterinary Medicine, Mansoura University, Sharm Elsheikh 6-8 September 2014. Pp 315 , NULL , NULL