

TITLE: PREVALENCE OF BOVINE BRUCELLOSIS IN THE STATE OF PIAUI,
IN THE PERIOD OF JANUARY 2010 TO SEPTEMBER 2015.

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Brucellosis is an infectious disease of a zoonotic nature and chronic evolution that affects many animal species, characterized by triggering, above all, reproductive and osteoarticular disorders. It is considered one of the most serious bacterial infections of bovines, endemic in Brazil, besides exerting great influence in the public and veterinary health. The objective of this study was to investigate the occurrence of brucellosis in the State of Piauí, through an epidemiological survey obtained through monthly reports on the occurrence of the disease, from January 2010 to September 2015. Data were collected from the Agricultural Defense Agency of Piauí (ADAPI) referring to the diagnostic reports of the Acidified Buffered Antigen (AAT) test in cattle in the entire state of Piauí. A prevalence of brucellosis was found in 0.16% (51) of cattle, all females, aged over 24 months, in a total of 32,896 animals examined. A similar result was observed in an epidemiological study carried out in Piauí by the Ministry of Agriculture in 1975, with 0.2% of animals infected with brucellosis. The findings show that despite the reduced number of occurrences of brucellosis, the disease is distributed throughout the state. The spatial survey of the cases suggests the need for greater control of animal traffic, vaccination of heifers from three to eight months, the awareness of owners and professionals of the state about the importance of brucellosis in the economy, considering the damage generated and the risk for Public health, intensification of health education actions and control of agricultural events, especially in these areas of occurrence of the disease.

Keywords: abortion, *Brucella abortus*, serology, zoonosis.

Development Agency: Agência de Defesa Agropecuária do Piauí – ADAPI.