**Antibodies to leptospirosis and reproductive parameters in cows**

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**Resumen**

The appearance of reproductive problems is a limitation in cattle production. Abortion affects the productive unit economically, abortion can be caused by several factors, in this research the existence *of Leptospira spp.* The aim of this study was to determine the presence of antibodies against Leptospirosis in dairy cows and their relationship between calving intervals, open days and services per conception. Blood samples were taken from 30 cows with the presence of abortion, mummified fetuses and embryo resorption. Positive results were obtained in 73% of the cases analyzed, finding three serotypes*: Hardjio, Tarassovi and Hardjio H89,*  and it was determined that the presence of *Leptospira* negatively influences reproductive parameters. The impact on reproduction is analyzed, demonstrating the economic losses it causes, highlighting the importance of prevention.

**Keywords:** Seroprevalence, Leptospirosis, reproductive parameters, cattle.