

## Survey on the Use of Anti-ticks in Cattle by Breeders in the Department of Korhogo

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**Abstract :** Introduction and Objective: Microbial resistance is nowadays a major public health problem. In the perspective of a better understanding of the resistance of ticks against acaricides, a study was conducted in the Department of Korhogo. The general objective was to verify the knowledge and skills of breeders on the use of acaricides and contribute to reducing the impact of ticks on livestock productivity. Methodology: To carry out the work, a cross-sectional survey was conducted using elaborate questionnaires, followed by specific interviews with livestock stakeholders in the Korhogo sub-prefecture. Results: The results showed that in the study area, cattle breeders, the majority of whom (58.06%) are Ivorians, use anti-ticks without strict compliance with recommendations of the instructions and standards for use. 68% of them performed under-dosed treatments, and 32% an over-dosed treatment. The most common method for treating cattle against ticks was spraying. Conclusion: Despite the use of tick repellents by these breeders, tick-borne diseases still persist. This could be explained by the misuse of the products (under dosage and overdose), which can cause harmful effects or even resistance of certain ticks. It is, therefore important to respect the normal dosage of the products used as well as the methods of use (bath, spray, pour-on, etc.). In order to minimize the problems of resistance, awareness is necessary among breeders for the proper use of acaricidal products as well as all other drugs.

**Keywords :** ticks, resistance, anti-tick, cattle, korhogo

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