STUDY REGARDING THE INFLUENCE OF THE TEMPERATURE - HUMIDITY INDEX VALUE ON THE HEALTH OF THE MAMMARY GLAND IN A DAIRY COWS HERD FROM A FARM IN IAŞI COUNTY

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Abstract

The values of NSC registered in a herd of cows vary depending on environmental factors such as temperature and humidity which, through direct synergistic action on the animals, induces stress levels that influences the defense capacity of the immune system of animals. The data were statistically processed to analyze the influence of heat stress on the mammary gland health in a herd of dairy cows. The highest values of the SCC average were recorded in autumn of 229.020 x 10^3 cells/ml and in summer of 220.870 x 10^3 cells/ml. As a result of the study, we can conclude that heat stress (THI \geq 66) can be one of the factors that influence the health of the mammary gland.

Key words: THI, SCC, Holstein, heat stress