

Peer Review

Review of: "Changes in Leukocyte Indices of Holstein Cows Under Prolonged Heat Stress Conditions"

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Dear Roman,

Congratulation for your article, it's an interesting paper, with an important discussion about heat stress in dairy cows and your implications.

I have some notes about your article;

Introduction: In my opinion you need review the consideration about heat stress in dairy cows, because some new articles already consider the heat stress above of 68 points (THI).

If is possible too change the olds citations on the introduction for more new citations.

Materials and methods; You need describe more about the farm, average milk production (milking cows), number of cows in milk, 2 or 3 milkings per day, sample calculation for number of cows in the study.

Describe more about the barn (type of bed, have fans?), average weight of cows on the study, age of cows in study (because this has an influence on the blood parameters, volume of feed provided per day.

Validation the THI 72, because now the new research speaks of THI of 68 is a good parameter for the milk cows.

You didn't do any acute phase protein analysis? For example, Haptoglobin, C- reactive protein or Paraxanase. Haptoglobin will be interesting.

Results: You have a small number of results, but a good data. You cannot start the comments on the results, please, review this part, because your comments should be in the discussion.

Discission: Your discussion it's ok, but you have many comparative citations with others species, you need to search for others comparative articles with heat stress in dairy cows.

Declarations

Potential competing interests: No potential competing interests to declare.