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Res. Agr. Eng.

Müller M., Lukešová D.:

Ear tag mechanical

extreme climate conditions

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The common ear tag production and application do not take into regard the demographic environment and climate of a target destination which are specified. However, this fact becomes a core of the problem. The necessity to characterize the ear tag bond comes out from the practical experience when applying incorrect exchange spike in the application punch by mistake. The aim of the experimental research was to carry out the evaluation of the ear tag mechanical qualities under increased and decreased temperatures on the base of the laboratory experiments together with the suitable and incorrect application of the exchange spike in the application punch. Different environment temperatures in the tested interval – 20 ° C till 60 ° C should simulate one of the possible attribute of the potential application in the different climate. The constructional design of the ear tag bond was proposed on the basis of the

laboratory tests.

Keywords:

application punch; function tests; identification; farming; animals; temperature

[fulltext]