New nonlinear model to describe growth curves of New Zealand rabbits

Denise Stéphanie de Almeida Ferreira[1], André Luiz Pinto dos Santos[2], Jucarlos Rufino de Freitas[3], Mickaelle Maria de Almeida Pereira[4], Luiz Carlos Machado[5], Maria Lindomárcia Leonardo da Costa[6], Guilherme Rocha Moreira[7]

Abstract: The objective of present study was to propose a new model, to compare it with the following classical Logistic, Gompertz and Von Bertalanffy nonlinear models, and select the most appropriate model to fit the growth curves in rabbits throughout the days. The results showed that the new model is competitive.

Keywords: Rabbit breeding, animal production; selection of models.

[1] DEINFO-UFRPE. email: deniialmeida@gmail.com
[2] DEINFO-UFRPE. email: andredefensor@hotmail.com
[3] DEINFO-UFRPE. email: jucarlos123@hotmail.com
[4] DEINFO-UFRPE. email: mickaellealmeida1@gmail.com
[5] IFMG.   email: luiz.machado@ifmg.edu.br
[6] UFPB.   email: lindomarcia@cca.ufpb.br
[7] DEINFO-UFRPE. email: guirocham@gmail.com