

ENVIRONMENTAL SMOKE

UNINASSAU

e-ISSN: 2595-5527
Doi: 10.32435/envsmoke2024nassau02
Special Issue **UNINASSAU**
ID manuscript: es2024nassau02
2024

SPECIAL ISSUE UNINASSAU:

Interdisciplinarity expanding the paths to social well-being

A interdisciplinaridade ampliando os caminhos do bem-estar social

Type of Manuscript:
Abstract

HEAT TOLERANCE INDEX IN DAIRY GOATS: CLASS REPORT

Gil Dutra Furtado[1]; Felipe Eduardo da Silva Sobral[2]*

To evaluate the influence of the environment on the behavioral and physiological parameters of Saanen and alpine brown goats, disciplinary work was carried out in which a field experiment was conducted, in the municipality of Lajes do Cabugi, Rio Grande do Norte, on the Três property. Brothers, which is a dairy goat production farm. The adaptation of animals to the breeding environment is an important factor for them to have good health and achieve greater productivity, which is one of the objectives of the action of veterinarians, acting preventively (SOUZA et al., 2010; LOPES et al., 2012). When academics participate in pedagogical activities, they develop and prepare more completely for professional life. During the pedagogy, two specimens of each breed were used and observed over a 90-day interval. The following sequence of observations was adopted: 1st observation carried out at 9 am and the 2nd observation was carried out at 3 pm. All animals were female and carried out their normal grazing activities. The animals had access to pasture under identical conditions, as well as access to nutritional supplementation when they returned to the pen at night. The rectal and environmental temperature variables were recorded at 9:00 am and 3:00 pm, and these were used by applying them in the ITC formula (1.0 ta – 20 d +60) (FERREIRA, 2011). The average results obtained were 32.67ºC for room temperature; rectal temperature of the Saanen and alpine brown in the morning and afternoon, respectively, were 40.18ºC and 39.95ºC in the morning; 39.80ºC and 39.75ºC in the afternoon. It was concluded, with the results obtained during the field classes, that the Saanen presented better results compared to the alpine brown for the edaphoclimatic conditions of the property where the research work was carried out. Pedagogically, this activity carried out in the field increases the learning efficiency of veterinary medicine students and favors their better training, reflecting the community's desires and everyone's well-being.

Keywords: Bioclimatology. Goats. ITC.

[1]Veterinarian / Maurício de Nassau University Center (UNINASSAU-PB), Av. Pres. Epitácio Pessoa, 1213, CEP: 58039-000, João Pessoa, Paraíba; Agronomist / Federal University of Paraíba (UFPB); Psychopedagogue / UNINTER; PhD in Psychobiology / Federal University of Rio Grande do Norte (UFRN), Natal, Brazil

[2]Veterinarian / UNINASSAU-PB, João Pessoa, Paraíba, Brazil

*Corresponding author: gdfurtado@hotmail.com

CREDIT AUTHORSHIP CONTRIBUTION STATEMENT
GDF: Conceptualization, Practice and Writing of the article, Translation and Review. FESS: Participated in Methodology, Writing and Supervision.

DECLARATION OF INTEREST
The authors declare that there is no conflict of interest with the participants or collaborators of this article, whether directly or indirectly.

FUNDING SOURCE
The author declares that no funding is applicable to this research.

REFERENCES

FERREIRA, R.A. **Maior produção com melhor ambiente para aves, suínos e bovinos**. Viçosa: Aprenda Fácil, 2011. Available from: https://www.afe.com.br/construcoes-rurais-e-ambiente-animal/livro/maior-producao-com-melhor-ambiente-para-aves-suinos-e-bovinos. Accessed on: 01 Aug. 2024.

LOPES, J.J.; SOUZA, B.B.; SILVA, A.M.A.; BATISTA, N.L.; NOBRE, I.S. Efeito do ambiente sobre as respostas fisiológicas de caprinos Saanen e seus mestiços com a raça Boer no semiárido paraibano [*Effect of environment on the physiological responses of goats and their Saanen crossbreeds with the Boer race in the semiarid of Paraíba*]. **ACSA - Agropecuária Científica no Semi-Árido**, Patos, v. 8, n. 3, p. 83-89, 2012. Available from: https://acsa.revistas.ufcg.edu.br/acsa/index.php/ACSA/article/view/213. Accessed on: 19 Apr. 2024.

SOUZA, B.B.; LOPES, J.J.; ROBERTO, J.V.B.; SILVA, A.M.A.; SILVA, E.M.N.; SILVA, G.A. Efeito do ambiente sobre as respostas fisiológicas de caprinos Saanen e mestiços ½Saanen + ½Boer no semi-árido paraibano [*Environment effect on the physiologic answers of goats Saanen and mestizo ½Saanen + ½Boer in Paraíba's semi-arid*]. **ACSA - Agropecuária Científica no Semi-Árido**, Patos, v. 6, n. 2, p. 47-51, 2010. Available from: https://acsa.revistas.ufcg.edu.br/acsa/index.php/ACSA/article/view/72. Accessed on: 10 Mar. 2024.

Submitted on: 05 Aug. 2024
Accepted on: 03 Sep. 2024
Published on: 07 Oct. 2024

© Copyright 2024