



298 Research paper

Genetic determinism estimate for the mastitis resistance in Romanian buffalo

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In **Significant Impact Groups:**

Breeding for disease resistance or robustness \

Species targeted: Dairy;

Age: Young;Adult;

Summary:

The Romanian Buffalo numbers are decreasing and therefore it is very important to develop efficient breeding programs or active conservation to improve population for characters associated with these productions. The objective of this study was to estimate genetic parameters for milk somatic cells count. Also, this character could allow a selection of individuals in the direction of resistance to mastitis. A total 609 milk yield and associated data records, belonging to 87 females were analyzed for 7 lactations. Study has revealed the existence of a poor genetic determinism for somatic cell count and a high variability in connection to the number of lactations. Results indicate that environmental factors play a substantial role in genetic expression. So, the number of somatic cells must be exclusively an indicator of milk hygiene and not included in selection objective of buffaloes (resistance to mastitis).

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Where to find the original material:

[https://www.cabdirect.org/cabdirect/abstract/20173233315;](https://www.cabdirect.org/cabdirect/abstract/20173233315)

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