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Christian-Albrechts-University of Kiel

Faculty of Agricultural and Nutritional Science

Institute of Animal Breeding and Husbandry

Development of a management information system for sheep

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Objective

Husbandry and management have to be adapted specifically to support and optimise the decision of the farmer with regard to animal health, a prolific performance, animal welfare and economical traits. Within the project "Development of preventive measures for the promotion of health and longevity in sheep on organic farms" a management information system (MIS) was generated.

At the moment, the MIS will be adapted on specific biological conditions of the primary purposes meat, dairy and landscape to optimise management decisions. Additionally, a mobile system will be developed for data collection in the stables.

Sheep-Manager | Agrar- und Ernährungswissenschaftliche Fakultät

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Flock Productivity Health Other Admin Log out

Overview

Flock

- Number of animals: 63
- Rams: 5 Ewes: 58
- Restricted animals: 0
- Lambs: 44
- Not earmarked animals: 44
- Other management ratios

Upcoming events

- Application of anthelmintics

Ending events

- Restriction of ewe 41065

Other events

Breeding

Documents

- Documentation of flock
- Documentation of medicinal treatment
- Recording of birth
- Accompanying documents

Flock Productivity Health Other Admin Log out

Identification

Identification number: 41154
 Other identification: none
 Date of earmarking: 05. May 2011
 Status: activ

Animal information

Gender: female
 Breed: Texel
 Date of birth: 03. May 2011

Question

Age

The lambs are younger than four weeks.

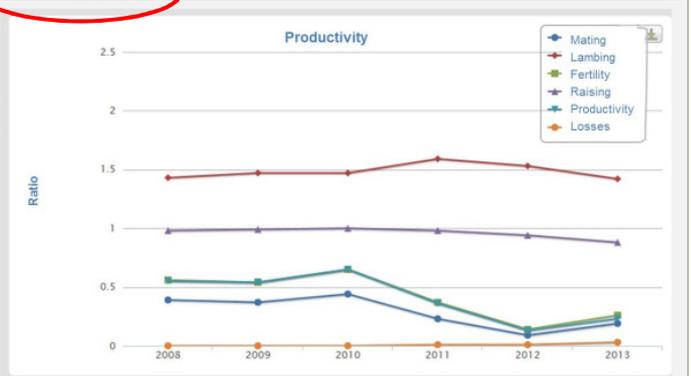
- Yes- Age
- Yes- Change in colour of faeces
- No- Structur of faeces
- No- Enteritis
- Yes- Coccidiosis
- Yes- Lamb dysentery
- No- Utilization of pastures
- Yes- Seizures
- Yes- Pulvny kidney

Table of functions

- ◆ Overview of flock with sheets
- ◆ Individual information including pedigree
- ◆ Manual and automatic number allocation of earmarks
- ◆ Process sheets
- ◆ Management of different groups within the flock
- ◆ Dictionary to explain main diseases in sheep husbandry
- ◆ Decision tree technique to detect problems in animal health
- ◆ Automatic documentation, e.g. medicinal treatment, and accompanying documents
- ◆ Easy user interface
- ◆ Support
- ◆ Displaying of performance and fertility traits in graphs
- ◆ Comparison with other flocks



Management ratios



MIS- How to use?

The MIS is web-based and available at

sheep.tierzucht.uni-kiel.de

After registration, the MIS can be used by any shepherd without charge. At the moment, about 80 farmers with 7,000 animals are registered.

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