

Project 15883

Research data base of the University of Zurich

Vetsuisse Faculty > Farm Animals, Department for > Ambulance and Live Stock Medicine, Department for > Prof. Dr. Michael Hässig

Quality control of wood wool (Excelsior) in udder hygiene

Original title / Originaltitel

Use of Wood Wool in Udder Cleaning

Summary / Zusammenfassung

This is a master's thesis which is being allocated in Wattwil with assistance of Dr. Roger Bolt from the Strickhof Agricultural College and support of the company Lindner. Milking time is a decisive factor in milk production. Dutch recommendations suggest that 100 cows should be milked in one hour. Studies from France show that milking times depend on the preparation amongst other things. A good flow of milk is of critical importance with respect to mastitis prophylaxis. Mastitis is the greatest live stock problem worldwide in the dairy industry. The studies conducted in 2009 have shown that the use of agroclean® wood wool for milking preparation of Montbéliard cows allow reductions in milking times of 12%. These results should be repeated under Swiss conditions.

Keywords / Suchbegriffe

milk hygiene, mastitis, excelsior, wood wool,

Project Leadership and Contacts / Projektleitung und Kontakte

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Funding Source(s) / Unterstützt durch

Private Sector (e.g. Industry)

Lindner Suisse GmbH, Wattwil, Switzerland

Duration of Project / Projektdauer

Jan 2012 to Dec 2013

Study "Wood wool for use in udder cleaning": raw data acquired

The practical test, undertaken as part of a master's thesis entitled "The Use of Wood Wool in Udder Cleaning" at the Vetsuisse Faculty of the University of Zurich, was carried out in January and February 2012 under precisely defined scientific conditions. The available data show that the use of specialised wood wool not only fulfilled the desired cleaning requirement but also led to a shortening of milking times. With that, the experiments carried out at the two French agricultural training centres in Fontaines and Semur-Châtillon in 2009 using agroclean® have now been supported under Swiss conditions.

The experiments with 65 dairy cows were undertaken Daniel Frei's farm in Regensdorf near Zurich.

According to information from the project supervisors, Prof. Dr. med. vet. Michael Hässig from the University of Zurich and Dr. Roger Bolt, dipl. Ing. agr. ETH of the Strickhof Agricultural College in Winterthur - publication of the master's thesis of cand. med. vet. Roman Ruf is planned for autumn 2013.