

# Monitoring of the efficacy of a Bio-hygienization treatment on the reduction of the microbial load in cubicles with mats of an Italian dairy herd

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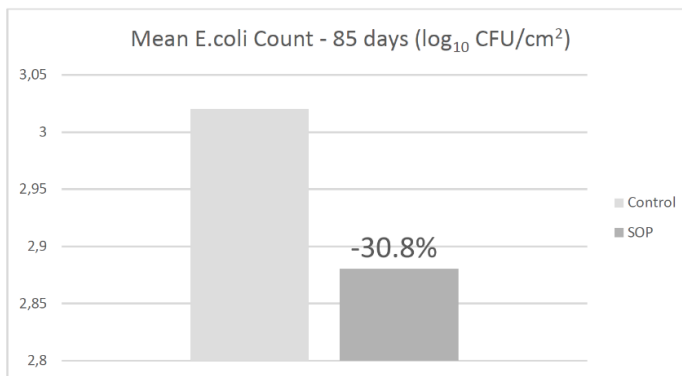
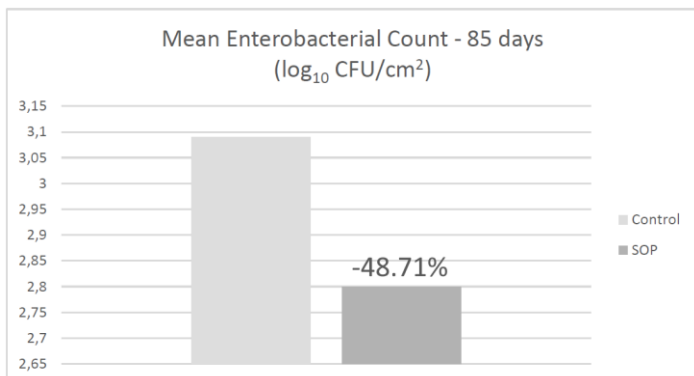
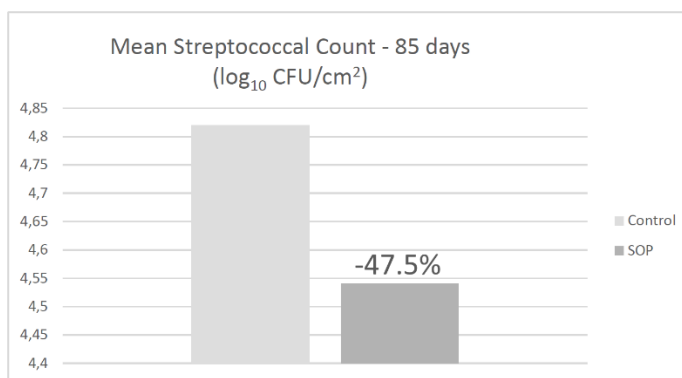
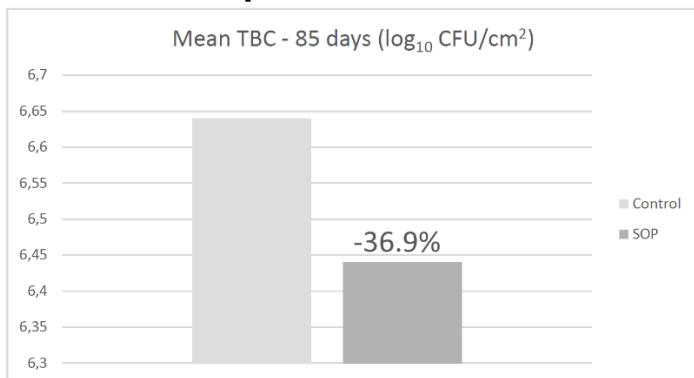
## Objectives

The aim of this study was to investigate the influence of a bio-hygienization treatment (SOP) on cubicles/stalls with synthetic rubber mats, evaluating its influence on the dynamics of the microbial populations during the spring/summer period.

## Materials & Methods

Formula	SOP SQC 233 + SQE 034
No. of animals	40
Materials & Methods	The cows on a commercial dairy farm were divided into two groups of 20 cattle each, all at a similar stage of lactation: Group 1 (standard) and Group 2 (SOP). In each group, 5 cubicles/stalls were identified, evenly spaced within the barn, from which microbiological samples were taken every 15 days during the period from February to June 2009.
Evaluated parameters	TBC; Streptococcal Count; Total Coliforms Count; E. Coli
Statistical significance	P<0.05

## Results & Graphs



## Conclusions

SOP also helps decrease the mastitis-causing microbial load on rubber mats.