Presented at:
ADSA-AMPA-ASAS-CSAS-WSASAS
Joint Annual Meeting
(Phoenix, Arizona, USA - 2012)

Investigation of a bio-hygienizing additive for oral use in dairy cows: effect on the somatic cell count in milk

P. Luparia[1], M. Poggianella[1], V. Bronzo[2]
[1]SOP Srl, Busto Arsizio (VA), Italy; [2]Department of Health, Animal Science and Food Safety, Università degli Studi di Milano, Italy

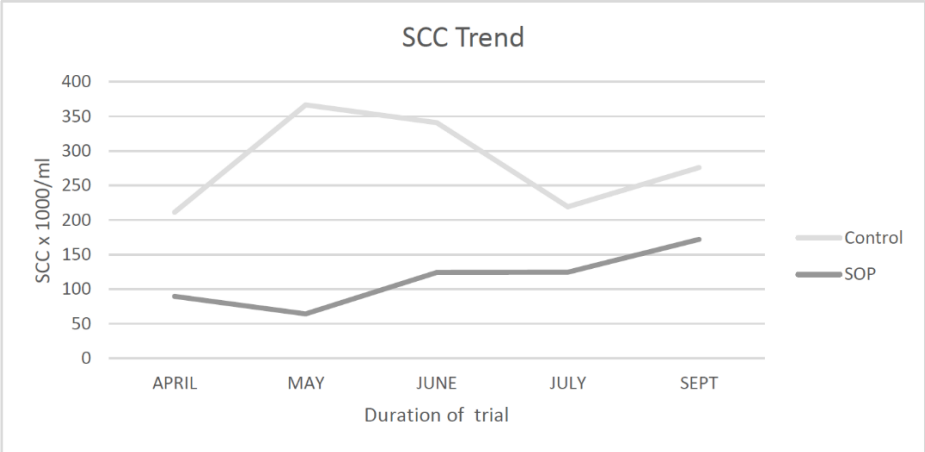
Objectives

The aim of this study was to evaluate the efficacy of a technological feed additive (SOP) to be added to the feed in the mixing wagon, on the somatic cell count in milk on a commercial dairy farm situated in Northern Italy.

Materials & Methods

Formula	SOP SQC 233 + SQE 034
No. of animals	140 lactating cows
Materials & Methods	The cows were monitored from April 2011 until September 2011, a period chosen for its critical somatic cell levels due to the seasonal increase in temperature. The data was elaborated using the statistical software SPSS 19.0 (IBM, SPSS, New York, U.S.A.) and the average SCC values were compared to the Linear Score (LS) via analyses of the variance in the generalized linear model.
Evaluated parameters	SCC
Statistical significance	P<0.01

Results & Graphs



Comments after publication: The graph represents the SCC trend measured during the study. The SCC data of April is the first data recorded after beginning treatment.

Conclusions

SOP helps control the SCC especially in the most susceptible animals of the herd, such as the primiparous cows.