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Efficacy of a Bio-hygienization additive in controlling the yeast-like microalga Prototheca zopfii

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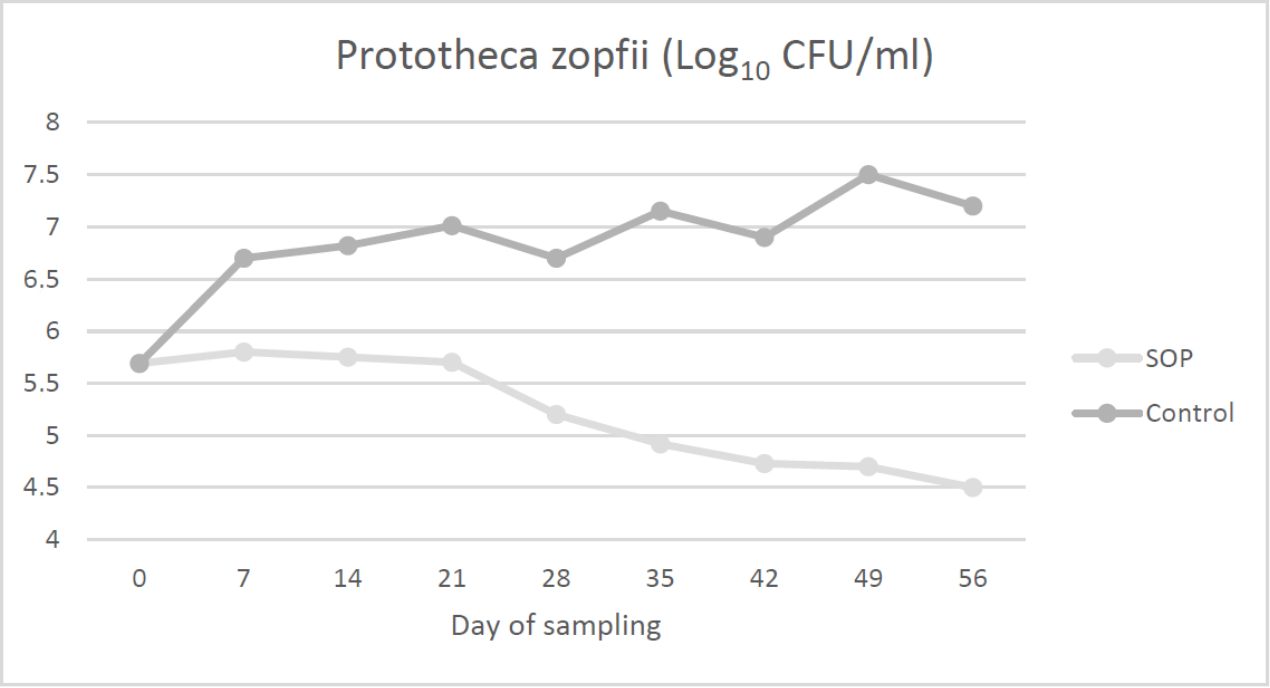
Objectives

The aim of this study was to evaluate the capacity of a product (SOP), in vitro, to reduce the concentration of viable P. zopfii cells.

Materials & Methods

Formula	SOP SQC 233 +SQE 034
No. of animals	In vitro
Materials & Methods	An aliquot of a suspension of growing cells from the strain was inoculated into a sterile manure sample. SOP was then added (SOP sample). Subsequently, every 7 days, SOP was added again. After some time, another sample was incubated without treatment (control). The statistical evaluation of the results was carried out by ANOVA.
Evaluated parameters	Microalga Prototheca zopfii
Statistical significance	P<0.01

Results & Graphs



Conclusions

SOP helps decrease the number of Prototheca cells and, thus, could be useful in keeping the concentrations of viable P. zopfii cells on cattle farms under control.