

Impacts positive of use natural additives in methane mitigation in 10 years



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INTRODUCTION:

The growing concern about the increase in greenhouse gases emission brings the need to develop new management models for livestock, for make the production system more efficient, profitable, and sustainable.

The Fator P[®] is a natural additive elaborate by a blend of amino acids, minerals, probiotics and essential fatty acids, developed to meet the new trends of the current market.

DISCUSSION:

Research in the last 20 years with this additive has shown that the Fator P[®] improved 15% animal performance, decreased 17% methane emissions, and decreased methane emission intensity, through improved animal performance.

In other studies, using quantitative PCR assay, this additive reduced 64.8% (p=0.0009) the population of total methanogenic bacteria in the rumen.

METHODOLOGY:

The aim of this study was to summarize Fator P[®] cattle data generated in the last 10 years (2012 to 2021) and evaluate its effect on the environment.

RESULTS:

During this period, around 2 million animals in pasture were supplemented with Fator P.

Our previous research, it can be estimated that the summation over 10 years, totalize of 775,655 tons of carbons equivalent were mitigated.

This can to corresponds to around 57,000 ha forest area preserved (\pm 1,667 trees/ha in the Atlantic Forest biome).

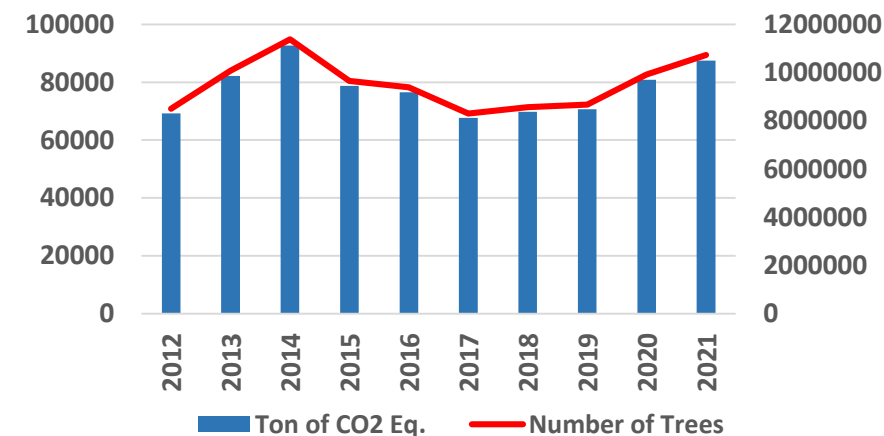
CONCLUSION:

Our work showed that the use of additives in animal diets can improve animal productivity and sustainability of livestock production.

Total of Carbon Eq. Mitigate: 775,655

Total of Trees Preserved: 95,172,749

Carbons equivalent mitigated by use the Fator P[®] additive (kg of CO₂ eq.)



REFERENCES:

Esalq USP Brazil and Totum Institute Brazil (2013)
<http://www.esalq.usp.br/acom/clipping_semanal/2013/3marco/23_a_29/files/assets/downloads/page0013.pdf>