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Evaluation of the efficacy of a litter additive in the control of the ammonia level in broiler houses: preliminary results*

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*Translation of the original text: "Prova di efficacia di un additivo di nuova concezione per lettiere nel controllo dell'ammoniaca negli allevamenti intensivi di polli da carne: risultati preliminari"

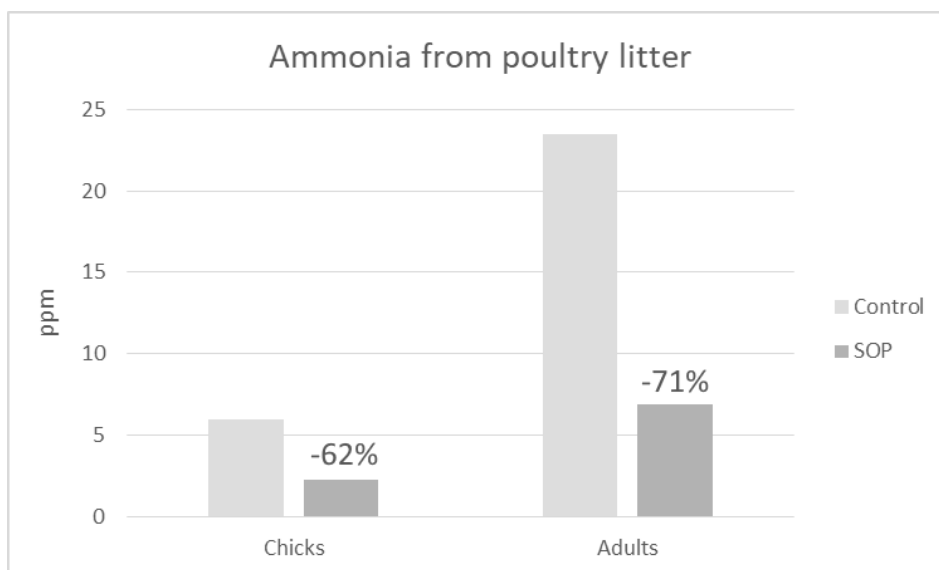
Objectives

This field study was carried out to evaluate the efficacy of an additive (SOP) used in poultry litter as an agent in the control of the ammonia concentrations in the farm environment.

Materials & Methods

Formula	SOP SQA 233 + SQE 034
Materials & Methods	The trial regarded two sheds, C2 (with treated litter) and C1 (with untreated litter, as a Control). The tunnel sheds with Vasistas windows, have forced ventilation systems and "Pad Cooling" systems.
Evaluated parameters	Ammonia: values on the ground (ppm) and values at 1m above ground (ppm)
Statistical significance	P= 0.000003735

Results & Graphs



Conclusions

SOP, combined with a rational ventilation system, can keep the level of ammonia low. Such an additive can, therefore, be considered among the Best techniques available, according to EC Directive 96/61.