

Evaluation of the efficacy of a bio-hygienization additive in ammonia level control in broiler houses

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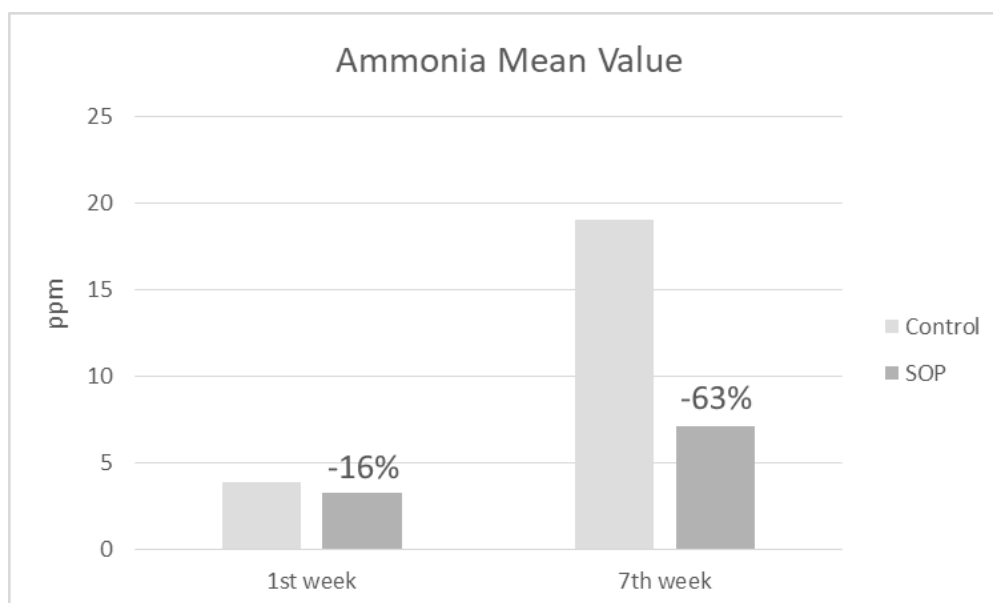
Objectives

This field study investigates the efficacy of a new bio-hygienization bedding additive (SOP) in ammonia control in broiler houses.

Materials & Methods

Formula	SOP SQA 233
Materials & Methods	This study was carried out from 2003-2006 on an Italian commercial poultry farm. Two large broiler houses, Control (C) and Treated (T), were selected for their similarity in size, density, ventilation system, drinking and eating equipment. The buildings had a conventional layout and housed about 8,200-8,600 1 day old broiler chicks each cycle, up to 7-8 weeks. Ammonia concentrations were assessed in each house using Draeger PAC-III (PA-USA) in the 1st and 7th weeks, at six different points.
Evaluated parameters	Ammonia
Statistical significance	P=0.09 in the 1st week, P=0.002 (7th week)

Results & Graphs



Conclusions

SOP helps decrease the ammonia concentrations in the barn, the effect increasing as treatment continues.