

product(s):

penac-t

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User:

Experiment conducted at the Kangwon National University/ Korea



Ammonia Gas Emissions with Use of penac-t in Fodder in the Poultry Business

Objective

Investigation of the Development/emission of Ammonia Gas Generated if penac-t is added to chicken feed.

Type of chickens: Old laying hens
Duration of Experiment: August - October 1997 (2 months)
Number of chickens: Four groups of 30 chickens
1 control group and the experimental groups A, B, C

Feeding:

Experimental groups: 1 month long penac-t mixed into feed (dosage as shown below)
Control group: regular feeding

Experimental Design

- a) After 1 month with penac-t added to feed, 200g Chicken manure withdrawn every week
- b) Chicken manure was placed in a 20-Liter barrel
- c) Ammonia was measured at 30 centimeter height

	24 hrs.	48 hrs.	72 hrs.	Notes
Control-group	1.83	10.00	4.67	No penac-t
Experimental group A	1.17	7.67	3.00 p	penac-t 30 g/ton
Experimental group B	0.75	5.00	2.67	penac-t 40g/ton
Experimental group C	0.38	0.96	0.92	penac-60 g/ton

** measurement unit: ppm

24 hrs. After 24 hrs.
48 hrs. After 48 hrs.
72 hrs. After 72 hrs.

