



Anwendungsbericht/User Application Report

Produkt/Product:
penergetic t, Art Nr. 1100

Fachberater/Consultant:
Priyanga Dematawa
Dimolanka

Anwender/User:
B M Sameera Nuwan
Padeniya/Sri Lanka

Datum/Date:
2019

Application on broiler in Sri Lanka

A trial with Cob B 500 FF broiler breed was carried out in this broiler farm.

- 540 broilers divided into 2 groups of 270 birds per group in two similar cages
- Fattening period 37 days

Test method

There were 540 birds of Cob B 500 FF 1-day chicks divided into two group of 270 birds per group. They were put into two similarly sized cages. Out of the two groups one was treated with penergetic t broiler mixed into the feed with doses according to the product catalogue:

Dosages

- until age 14 days: 60g/ton of feed mixed into the starter feed
- after 14 days of age: 150g/ton of feed mixed into the growing & finisher feed

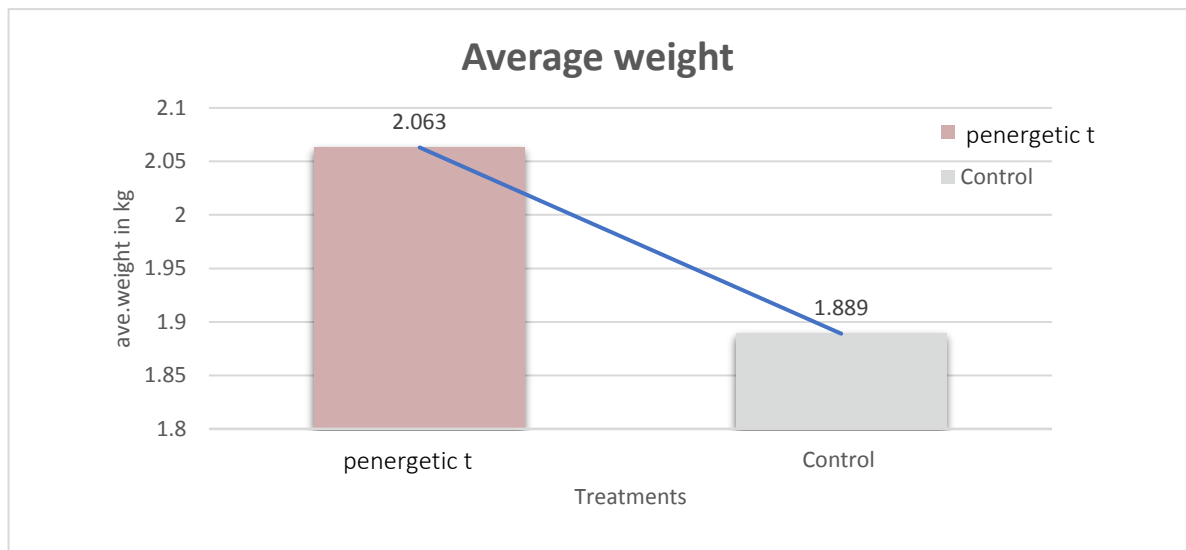
The watering had been done by using auto-drinkers and enough water had been distributed throughout the test. Further, essential drugs were provided throughout the test period to both groups.

Results and discussion

The final live weight of the birds was taken end of the 37 days of age and before slaughter. This was done in 14 groups; 13 groups with 20 birds per batch and one batch with 10 birds. Totally there were 270 birds in the penergetic t group and 265 birds in the control group as the final weight was documented after the dead birds had been sorted out.

Bird flock #	penergetic t – treated weight (kg)	# of birds	Control weight (kg)	# of birds
1	43.4	20	33	15
2	40.8	20	39.5	20
3	41.9	20	37.1	20
4	42.5	20	39.5	20
5	41.2	20	39.1	20
6	40.8	20	37.8	20
7	41.8	20	39.8	20
8	40.3	20	36.4	20
9	40.7	20	35.5	20
10	41.6	20	35.7	20
11	39.7	20	36.1	20
12	41.4	20	35.4	20
13	40.3	20	36.5	20
14	20.7	10	19.3	10
Mortality		0		5
Total	557.1	270	500.7	265

Parameters	penergetic t treated (kg)	Control (kg)
Total weight	557.1	500.7
Average weight (kg)	2.063	1.889



Particulars	Penergetic	Control
Total birds	270	270
Mortality	0	5
Total Birds end of the trial	270	265
Total weight	557.1	500.7
Ave. weight /Bird (kg)	2.06	1.89
Weight difference Ave.(g/bird) test vs control	173.90	
Total feed consumed (kg)	975.00	1125.00
Feed intake / bird up to 37 days (kg)	3.61	4.25**
Feed conversion rate	1.75	2.25

** This farmer used slightly higher feed amounts then required (Normal feed requirements / bird are of approximatively 3.2 – 3.5 kg until slaughter).

Profit calculation in Sri Lanka Rupees

	Penergetic	Control
Average food used / bird (kg)	3.61	4.25
Cost for food / kg (Rs.)	95	95
Cost for food / bird (Rs.)	342.95	403.75
Penergetic requirement / bird (g)	0.75	0
Cost for penergetic t broiler / bird (Rs.)	5.7	0
Total food and input cost / bird (Rs.)	348.65	403.75
Value sold / bird live weight kg (Ave. Rs.)	250	
Average weight (kg)	2.06	1.89
Av. Turnover / bird (Rs.)	515	472.5
Profit / bird Rs.	166.35	68.75
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Total turnover	139'275	125'175
Increase in turnover	+ 14'100	
Total cost penergetic t broiler	1539	0
Benefit from Penergetic (increase in turnover - cost penergetic t broiler)	+ 12'561	

Discussion

The results of above trial at Mr. Sameera's broiler farm at Avlegama, Padeniya shew that the flock treated with penergetic t broiler were very active and there was no mortality recorded during the testing period. The live weighing of the birds recorded considerable weight gain. Compared to the control group it was **+8.43 %**. Similar feed ration was used to feed the test group as well as the control group. The average live weight of the test group was **2.06 kg** and the one of the control group **1.89 kg**. The feed conversion rate of the test group was 1.75 and the one of the control group was 2.25.

Conclusion

The treatment with penergetic broiler resulted in a lower mortality rate, better feed conversion rate and an increased average weight of the broiler.



penergetic t treated – 3 days old



Control - 3 days old



penergetic t treated bird



