

The Philippines: BioAktiv proven in layers



Antipolo City, the Philippines [March 2009]: Although newly introduced in Asia, *BioAktiv for Animal Feed* has been proven effective animal feed additive for more than 10 years in Europe and Australia. Its effectiveness was first proven with pigs and now with layers in the Philippines.

BioAktiv for Animals

BioAktiv Far East Pte Ltd, through its business partner and a veterinarian expert recently conducted studies on the use of *BioAktiv for Animal Feed* in two layer farms in Antipolo City.

BioAktiv for Animal Feed, which is added to solid feed, is one of the two *BioAktiv for Animals* products; the other one is *BioAktiv-liquid*, which is added to animal drinking water. Like all BioAktiv products, the two animal additive products exploit a natural physical phenomenon to effectively enhance not only the growth but also health of all types of livestock animals: the principle of *bio-resonance oscillation* which may be compared with *homeopathy*.

Villa Aida Farm

A study was carried out in a layer farm, Villa Aida Farm, for 26 days from February 7 to March 4, 2009. Two barns were selected; 1,981 hens in one barn were fed with 200 g *BioAktiv for Animal Feed* added to every ton of standard feed, while 1,951 hens in another barn were fed only with standard feed to serve as control.

Data collected

The numbers of eggs produced, feed consumption, and mortality cases of both BioAktiv-treated and control hens were recorded. The summary of the data collected from the study is given in Table 1.

Table 1: Summary of data collected

	BioAktiv	Control
Number of hens (Day 1)	1,981	1,951
Total eggs produced	38,138	35,698
Total feed consumed (kg)	5,100	5,150
BioAktiv used (kg)*	1.020	0
Mortality	7	11

*Based on dosage of 200 g/ton of feed

BioAktiv performs

For comparison, the data are adjusted for the same number of 1,966 (the average) hens on Day 1 and the results are as in Table 2.

Table 2: Performance comparison

	BioAktiv	Control	Diff.
Number of hens	1,966	1,966	0.0%
Total eggs produced	37,849	35,972	5.2%
BioAktiv used (kg)*	1.012	0	
Mortality	7	11	-37.3%

Table 2 shows that BioAktiv improved egg production by about 5% and reduced mortality by about 40%.

Return on investment

Based on a selling price of egg of PHP 3.65 and cost of BioAktiv of PHP 1,255 (EUR 20.00), the return on investment is more than four times as shown in Table 3.

Table 3: ROI calculations

Extra eggs for sales	1,877
Selling price of egg	PHP 3.65
Extra income using BioAktiv	PHP 6,850.18
Cost of BioAktiv used	PHP 1,270.41
Net extra income	PHP 5,579.78
Return on investment	4.4

ROI > 4 times

CTK Farm

A more elaborate study was done in another layer farm, CTK Farm, for 20 days from February 20 to March 11, 2009. A total of 10,214 hens were fed with 300 g of *BioAktiv for Animal Feed* added to every ton of standard feed. While 11,079 hens, which served as control, were fed with only standard feed.

Data collected

The numbers of eggs produced, numbers with broken shell and no shell, feed consumption and mortality cases for both BioAktiv-treated and control hens were recorded. The summary of the data collected from the study is given in Table 4.

Table 1: Summary of data collected

	BioAktiv	Control
Number of hens (Day 1)	10,214	11,079
Total eggs produced	158,783	169,698
Eggs with broken shell	337	1,022
Eggs with no shell	616	870
Sellable eggs	157,830	167,806
Total feed consumed (kg)	23,000	24,000
BioAktiv used (kg)*	6.9	0
Mortality	58	90

* Based on dosage of 300 g/ton of feed

BioAktiv performs

For comparison, the data are adjusted for the same arbitrary number of 10,000 hens on Day 1 and the results are as in Table 5.

Table 5: Performance comparison

	BioAktiv	Control	Diff.
Number of hens	10,000	10,000	0.0%
Total eggs produced	155,456	153,171	1.5%
Eggs with broken shell	330	922	-64.2%
Eggs with no shell	603	785	-23.2%
Sellable eggs	154,523	151,463	2.0%
BioAktiv used (kg)*	6.755	0	
Mortality	57	81	-30.1%

Table 5 shows that BioAktiv improved performance in all aspects. It increased egg production by about 1.5% and reduced eggs with broken shell and no shell by about 60% and 20% respectively, resulting in a 2-percent increase in sellable eggs. It also reduced mortality by about 30%.

Return on investment

Based on the same assumptions of a selling price of egg of PHP 3.65 and cost of BioAktiv of PHP 1,255 (EUR 20.00), the return on investment is more than 30 percent as shown in Table 6.

Table 3: ROI calculations

Extra eggs for sales		3,060
Selling price of egg	PHP	3.65
Extra income using BioAktiv	PHP	11,169.27
Gost of BioAktiv used	PHP	8,478.07
Net extra income	PHP	2,691.20
Return on investment		31.7%

Conclusion

From the study at GTK Farm it can be seen that BioAktiv increases the overall sellable eggs – increases egg production, reduces eggs with broken shell and no shell – and reduces mortality of layer hens. The ROI achieved can be as high as more than four times as in the case Villa Aida Farm. The two studies indicate that higher dosage of 300 g/ton of feed may not bring better results than the recommended dosage of 200 g/ton. The ROI for GTK Farm could be higher if the dosage was 200 g/ton (about one time if 200 g/ton dosage could provide the same results).

Other Benefits

The above ROI calculations are based on extra sales income less off BioAktiv cost. There are other benefits from using BioAktiv:

- BioAktiv hens are healthier and that leads to:
 - o Bigger eggs which fetch higher prices
 - o Lower mortality, hens live longer and produce more eggs
 - o Savings on medical expenses
- BioAktiv hens are better fed, more satisfied, lesser stressed, grow faster, calmer, and easier to be managed
- BioAktiv eliminates odor and foul gases of animal wastes, providing a healthier environment for livestock animals and farm workers
- makes manure homogeneous and fluent

For more information

We are eager see that BioAktiv works for you. If you are interested to have a trial on BioAktiv, contact us.

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