

## BioAktiv proven in the Philippines



Antipolo City, the Philippines [February 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 is now proven in the Philippines.

### BioAktiv for Animals

A veterinarian expert and business partner of BioAktiv Far East Pte Ltd in the Philippines conducted a study on the use of *BioAktiv for Animal Feed* in a pig farm of its client.

*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*.

### The Study

Eight pens each with 8 to 10 pigs at 100 days of age were selected for the study – four pens with 37 pigs (18 males and 19 female) for test group and another four with 32 pigs (19 males and 13 females) for control group. Test pigs

were fed with standard feed and a dose of BioAktiv (200 g per ton of feed), while control pigs were only fed with standard feed. The test and control pigs were weighed on Day 100, 130 and 160. The amounts of feed consumed by the test and control pigs for the two 30-day periods were recorded.

### Resu Its

The summary of the data collected from the study is given in Table 1.

Table 1: Total weights and feed consumption

Parameter		BioAktiv	Control
Number of pigs		37	32
Total weight (kg) at	Day 100	1,584	1,346
	Day 130	2,382	1,999
	Day 160	3,245	2,687
Total feed consumed (kg)	D100-130	1,913.0	1,656.0
	D1 30-1 60	4,406.5	3,722.0

The calculated results from the data are shown in Table 2.

Table 2: Calculated results

Parameter		BioAktiv	Control
Average weight (kg) at	Day 100	42.8	42.1
	Day 130	64.4	62.5
	Day 160	87.7	84.0
Average weight gain (kg)	D1 00-1 30	21.6	20.4
	D1 30-1 60	23.3	21.5
	D100-160	44.9	41.9
Average daily gain (g)	D100-130	719	680
	D130-160	777	717
	D100-160	748	698
Average feed consumed (kg)	D100-130	51.7	51.8
	D130-160	119.1	116.3
	D100-160	170.8	168.1
FCR – feed conversion ratio	D100-130	2.4	2.5
	D1 30-1 60	2.9	3.0
	D100-160	2.7	2.8

### Conclusion

From Table 2, we can clearly conclude that the use of BioAktiv improves average weight gain and hence daily gain, and FCR for both 30-day periods and hence overall 60 days of study. The summary of results for the entire 60-day study period is shown in Table 3.

Table 3: BioAktiv is effective

Parameter	BioAktiv	Control	Diff.
Average weight gain (kg)	44.9	41.9	+7.1%
Average daily gain (g)	748	698	+7.1%
Feed conversion ratio	2.7	2.8	-4.4%

## Return on Investment

- **Sales at Day 160:** To estimate the return on investment or ROI of using BioAktiv from the study, let us assume the pigs are sold at Day 160 – the end of the study.
- **Extra weight for sales:** BioAktiv pig's average daily gain of 748 g is 50 g higher than control pig's 698 g. Starting at the same weight at Day 100, over 60 days BioAktiv pig will have an extra weight of 3 kg on average for sales at Day 160.
- **Slight extra feed:** BioAktiv pig consumes slightly more feed due to higher weight gain. Average daily feed consumed by a BioAktiv pig is 1.98 kg – average daily gain x FCR (0.748 kg x 2.7). That for control pig is 1.94 kg. Over 60 days, BioAktiv pig consumes 2.8 kg extra feed.
- **Investment on BioAktiv:** Feed consumed per BioAktiv pig over the 60 days is 119.1 kg (1.98 kg x 60). Based on the recommended dosage of 200 g per ton of feed, BioAktiv needed is only 24 g.
- **Assumptions:** The assumptions below on pig selling price, feed cost and BioAktiv cost to farmer are necessary to complete the estimation of ROI. Reader should note that these price and costs vary from time to time and depend on the country concerned.
- BioAktiv pigs are better fed, more satisfied, lesser stressed, grow faster, calmer and lesser fighting among themselves, 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

## Other BioAktiv Products

There are six BioAktiv products for the following five applications:

- *BioAktiv for Animals:*
  - *BioAktiv for Animal Feed*
  - *BioAktiv for Liquid*
- *BioAktiv for Manure*
- *BioAktiv for Compost*
- *BioAktiv for Water*
- *BioAktiv for Plants*

Table 4: ROI calculation

Item	Amount (₱)
Extra income from sales:	
• 3.0 kg extra at 1.20/kg of pig*	3.60
Less:	
• 2.8 kg extra feed at 0.24/kg*	-0.67
• 0.024 kg BioAktiv at 20.00/kg*	-0.48
Nett extra income per pig:	2.45
Return on investment (times):	5.1

## ROI > 5 times

## Other Benefits

The above ROI calculation is based on extra sales income less off extra feed cost and BioAktiv cost. There are other benefits of using BioAktiv:

- BioAktiv pigs are healthier and that leads to:
  - Savings on medical expenses
  - Lower mortality
  - Higher quality meat which fetches higher price

## 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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