

BiOWiSH® MultiBio 3PS

Swine Drinking Water Hoang Long Swine Cooperative, Vietnam

BiOWiSH® Drinking Water Additive Improves Profitability by 26% on Vietnam Swine Farm

Executive Summary

Hoang Long Swine Cooperative, under the direction of the Vietnamese Farmers Union (VNFU) and the local BiOWiSH Technologies Distributor, BiOWiSH Vietnam, studied the effects of BiOWiSH® MultiBio 3PS administered through the drinking water of finishing pigs.

For the duration of the trial, average daily gain (ADG) was increased and feed conversion ratios (FCR) were improved. Improved animal performance resulted in lower feed costs and reduced need for veterinary treatment. The benefits attributed to BiOWiSH® MultiBio 3PS resulted in a 26% increase in profits.

Objective

The Hoang Long Swine Cooperative is a market leader which devotes resources to embrace new technologies to increase production, improve animal welfare and protect the environment. Therefore, the objective of this study was to determine the effects of BiOWiSH® MultiBio 3PS on pig production in Vietnam.

Background

The Hoang Long Swine Cooperative has a total area of 9,000m² with 9 livestock barns and 4,000 animals (market meat pigs, breeding pigs, nursery pigs). In addition to animal production, the facility produces their own feed, has an abattoir, packs the goods and distributes the final product to the marketplace.

Trial Implementation Program

The trial was conducted under the direction of BiOWiSH Vietnam and VNFU local and national departments. For this trial, BiOWiSH® MultiBio 3PS was administered through the drinking water at a rate of 200g/mT of feed.

BiOWiSH® MultiBio 3PS



- Direct fed microbial (DFM) for animal and aquaculture production
- Provides beneficial microbials to livestock digestive system
- Recommended feed additive for all growth stages
- Can be either coated on animal feed or dosed directly to animal drinking water

Available Sizes

- 100g/3.5oz
- 1kg/2.2lbs
- 5kg/11lbs
- 10kg/22lbs

	Control	BiOWiSH® MultiBio 3PS
Number of animals	242	246
Average initial body weight	15.3 kg	14.2 kg
Average ending body weight	102.7 kg	104.9 kg
Average growth	87.4 kg	90.7 kg
Days on feed	110 days	105 days
ADG	794 g/day	863 g/day
FCR Day 1-30	1.93	1.71
FCR Day 31- End	2.64	2.49
Antibiotic mixed in feed	Yes	No

Table 1. Trial results comparing control and BiOWiSH® MultiBio 3PS

Testimonials

Following initial performance trials, the Hoang Long Swine Cooperative continues to apply BiOWiSH® MultiBio 3PS to the drinking water, saving labor time and cost.

"We have used probiotics and enzymes from dozens of foreign firms, but there were no products that brought high efficiency like BiOWiSH®."

-Mr. Long, Director of Hoang Long Swine Cooperative

Economics

Detail	Control	BiOWiSH® MultiBio 3PS
Feed cost/kg (USD/kg)	\$0.44	\$0.44
Feed cost/pig (USD)	\$102.12	\$99.60
BiOWiSH® cost/pig (USD)		\$2.81
Veterinary medicine (USD)	\$2.78	\$1.43
Nursery pig price (USD/pig)	\$86.99	\$84.53
Labor cost (USD) 6500x 4 = 26000/400 pig = 65000	\$3.14	\$3.14
Other expenses (USD) (electricity + water + other + depreciation of fixed assets)	\$4.48	\$4.48
Total cost each pig (USD/ pig)	\$199.52	\$195.99
Sale price/pig (USD/kg)	\$2.24	\$2.24
Profit each pig (USD/pig)	\$30.74	\$38.75
Increased profit with BiOWiSH®		\$8.01

Table 2. Economic comparison of the control group vs. the BiOWiSH® MultiBio 3PS drinking water group

Conclusion

BiOWiSH® MultiBio 3PS is an effective DFM that can be incorporated into current best management practices to improve animal production.

Benefits to the Hoang Long Swine Cooperative:

- FCR improved by 12.9% and 5.7%
- Reduced days on feed
- Reduced need for veterinary treatment
- Increased profit of \$8.01 per pig

Long term benefits of using BiOWiSH® MultiBio 3PS:

- Reduced input costs
- Higher annual profits



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