

BiOWiSH™ MultiBio 3P

Broiler chicks gained significantly more body weight with BiOWiSH™ MultiBio 3P added to pellet feed.

Texas A&M University's Department of Poultry Science conducted a study in 2014 to determine the benefits of U.S.-manufactured BiOWiSH™ MultiBio 3P on broiler growth performance.

RESULTS

Feed Conversion Ratio showed a 3.6% improvement for the BiOWiSH™ MultiBio 3P diet versus the control diet (no BiOWiSH™).

Treatment	D42 Body Wt (kg)	D42 Body Wt (lb)	D42 FCR (lb/lb)
Control Pellet	2.741	6.042	1.721
BiOWiSH™ MultiBio 3P	2.804	6.182	1.659

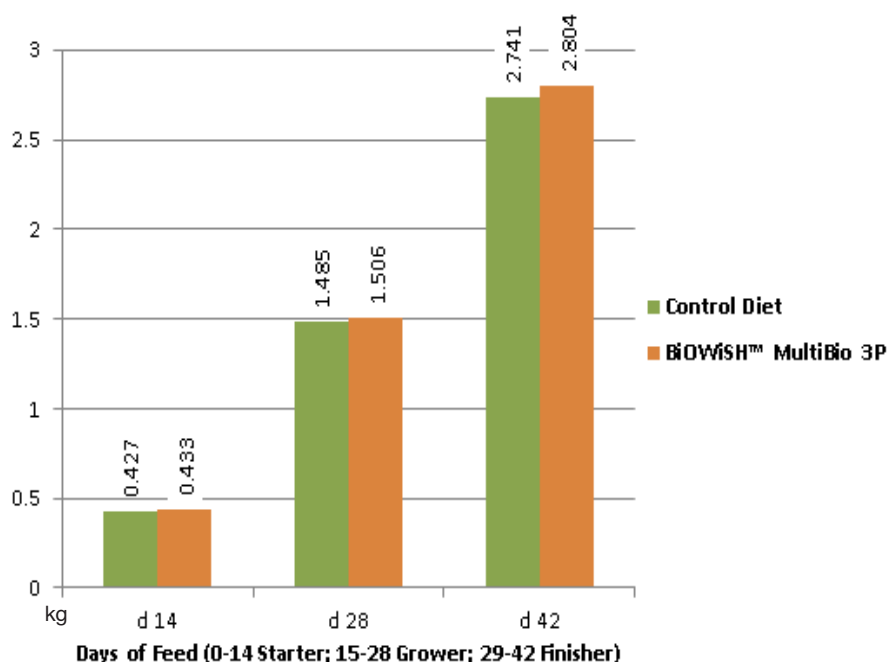
Body Wt = Average Weight per bird

Feed Conversion Ratios (FCR) are corrected for mortalities and are weight adjusted.

FCR weight adjustment based on 27g of day 42 body weight equaling 1 point (0.01) of FCR.

At day 14 of the study, broiler chicks fed BiOWiSH™ MultiBio 3P added to the pellet diet showed a significant increase in average body weight versus that of the control diet (no BiOWiSH™). Additionally at the conclusion of the 42-day study, broilers receiving BiOWiSH™ MultiBio 3P weighed an average of 63g more than broilers fed the control diet. (See chart on the next page.)

Average Body Weight of Male Broilers



Pelletizing feed with BiOWiSH™ MultiBio 3P did not impact cumulative feed consumption.

No significant differences were observed in mortality for all phases of the trial.

The BiOWiSH™ MultiBio 3P diet produced slightly lower ammonium ion concentrations vs. the control. No significant differences were observed in either ileal or cecal pH for all study phases.

What is BiOWiSH™ MultiBio 3P?

BiOWiSH™ MultiBio 3P is a direct-fed microbial (DFM) for poultry and other animal operations.

BiOWiSH™ MultiBio 3P can be added to the animal feed manufacturing pelleting process. Simply dry ad-mix the recommended amount of BiOWiSH™ MultiBio 3P as a dry concentrate to the pelleting process using typical methods for delivery of low-inclusion, non-liquid admixtures. See user guides at www.biowishtech.com for detailed application instructions.

BiOWiSH™ MultiBio 3P feed additive is recommended for all growth stages. For optimum results in broiler, layer, and breeder birds, commence feeding at day of hatch. Maintain recommended concentration by adding more BiOWiSH™ MultiBio 3P with each animal feed addition.

Study Background

BiOWiSH Technologies partnered with Jason Lee, Ph.D., Associate Professor in the Department of Poultry Science at Texas A&M University, to demonstrate the benefits of BiOWiSH™ MultiBio 3P on broiler growth performance. Testing was done over 6 weeks at Texas A&M AgriLife Poultry Research Facility in College Station, Texas.

Prior studies using BiOWiSH™ product showed early (at 14 days) improved growth in broiler chicks. The purpose of the Texas A&M study was to determine the effects of the U.S.-manufactured animal in-feed additive.

Study Implementation

This study used two treatment groups: Control and broilers fed BiOWiSH™ MultiBio 3P in addition to the control diet. BiOWiSH™ MultiBio 3P was added to the control diet at a dosage rate of 100 grams per metric tonne of feed. Dosage rates vary by species, management practices, and facility equipment. Due to industry standard minimum inclusion rates for pelleting processes, the best management practice general recommendation for BiOWiSH™ MultiBio 3P is 500 to 1000 grams per metric tonne of feed.

Broiler chicks were obtained from a commercial hatchery on day of hatch, assigned to experimental treatment groups based on placement weight, wing banded, and placed in floor pens containing tube feeders, continuous water lines, and used litter.

Group	Replicate Pens	Birds per Pen	Total Birds
Control Pellet	10	35	350
BiOWiSH™ MultiBio 3P	10	35	350

Lighting, temperature, and ventilation conditions were monitored by a Rotem Platinum Junior. Only healthy-appearing chicks were used in the study. Experimental animals were housed for the duration of the study in a tunnel ventilated industry-type broiler house at the Texas A&M Poultry Research Facility and provided access to water and the treatment diet *ad libitum*.

An unmedicated commercial-type (corn/soy) broiler starter ration was formulated according to the BiOWiSH specifications. Product premix was added to feed to achieve an incorporation rate according to the BiOWiSH instructions.



Made in the USA

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