

Broiler Study Design

BiOWiSH Technologies Broiler Study Design

Evaluating the effects of BiOWiSH™ MultiBio products on growth and performance of broilers.

STUDY DEFINITIONS

Objective:	To evaluate the effects of BiOWiSH™ MultiBio products on growth performance of broilers.	
Product:	BiOWiSH™ MultiBio 3P and/or BiOWiSH™ MultiBio 3PS	
Contact Person:		
Name of Farm:		
Location of Farm:		
Trial Dates:	Start:	End:
Feeding System: (To be defined by producer)	Ad libitum or Controlled (please specify feeding regimen)	
	Feeding Program (please specify diet changes and duration of each phase, if additional diet phases are used please list below)	
	Starter phase: Day __ - Day __	
	Gower phase: Day __ - Day __	
	Finisher phase: Day __ - Day __	
Feed Type: (To be defined by producer)	Starter phase:	Crumble or pellet
	Grower phase:	Crumble or pellet
	Finisher phase:	Crumble or pellet
Composition of Diet:	Feed formulation- Please provide each diet composition or formulation if available.	
BiOWiSH™ Application Method:	Please refer to our User Guides:	
	1) BiOWiSH™ MultiBio 3P User Guide for in feed application www.biowishtechnologies.com/product/multibio-3p/	
	2) BiOWiSH™ MultiBio 3PS User Guide for drinking water application www.biowishtechnologies.com/product/multibio-3ps/	

STUDY DESIGN

Number of Treatment Groups:	Minimum of 2 required (BiOWiSH™ and Control- No BiOWiSH™).
Number of Replications Per Group:	Site specific depending on flock size and number of houses.

Number of Birds Per Treatment Group: Minimum recommendation is 5,000 to 10,000. The number of birds can vary based on site specific shed designs.

Total Number of Birds: Dependent on Number of Treatment Groups and Birds per Shed at the site.

Study Groups

Group 1 (Control): Current diet without BiOWiSH™ supplementation

Group 2 (BiOWiSH™ Treatment) Current diet with BiOWiSH™ supplementation

Treatment Notes: The control flock(s) should be the same age, be housed in close proximity and have received the same care, medication, vaccination, diet and diet changes as per the treated flock(s).

Study Parameters

Body Weight (BW): Live body weight per group:
Starter phase Day :___ Day :___
Grower phase Day :___ Day :___
Finisher phase Day :___ Day :___

Feed Intake: Measure for each treatment group daily or by feeding period depending on feed delivery system.

Feed Conversion Ratio (FCR): Calculated at the end of each diet period: $FCR = \frac{\text{Total Feed Intake}}{\text{Total Weight Gain}}$
Starter: ___
Grower: ___
Finisher: ___

Water Intake: Measure daily or by feeding period depending on water delivery system.

Mortality: Record the number of dead birds removed daily.
Weight of each dead bird. (Weighing deads allows for Mortality adjusted FCR)

Medication: Record all medication administered (through water, feed, etc.)

Fecal Quality: Manure Appearance (observe daily and note significant changes in consistency)

Hock Burn: **Scale:** 0, 1, 2 (0 = no burns, 1 = burn on 1 hock, 2 = burn on both hocks)

Litter Scoring: **Scale:** 0, 1, 2, 3, 4 (0 = Dry, friable, free-flowing; 1 = Dry, dusty, very fine texture;
2 = Sticky on compression, crumbles; 3 = Clod on compression; 4 = Wet)

Odor Scoring: **Scale:** 0, 1, 2, 3, 4 (0 for no odor, 5 being foul smell odor)



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