

## Product Overview

Feed ingredients contain a number of anti-nutritional factors, such as phytic acid, NSP, soybean agglutinin, protein inhibitors, prolamin, etc., affects the digestion and utilization rate of nutrients but also causes diseases such as diarrhea and enteritis in livestock and poultry. In addition, there is a lack of NSP enzymes in the gastrointestinal tract of livestock and poultry, and the three endogenous enzymes are low and unstable in the early period of animal growth, thus affecting the growth performance of animals and reducing the breeding benefits.

Habio multi-enzymes are developed for different dietary formulas through elaborate compounding whose main functions are described as follows:

- Eliminate the anti-nutritional factors in the diet and boost the digestion and utilization rate of nutrients.
- Supplement endogenous enzymes to increase endogenous enzyme activity.
- Degrade soluble NSP and reduce intestinal chyme viscosity.
- Produce xylo-oligosaccharides, mannose oligosaccharides, and other prebiotics, therefore improving the immunity of livestock and poultry.
- Improve intestinal microflora and intestinal health.

## Weak Digestion and Absorption Ability

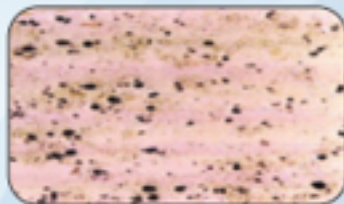


Fig. The black spot of dyeing is undigested starch

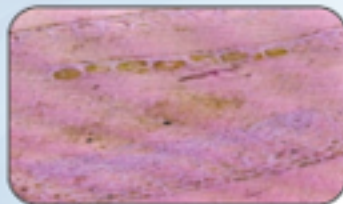


Fig. After Multi-enzyme treatment

## Mechanism of Action



### Experiment 3: Effects of Dietary Supplemented with Wheat Multi-enzyme on Growth Performance and Nutrients Utilization Rate of Broilers

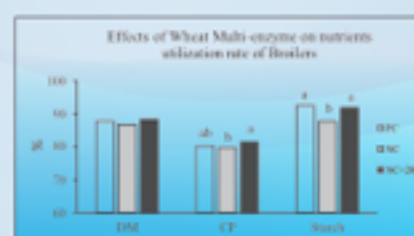
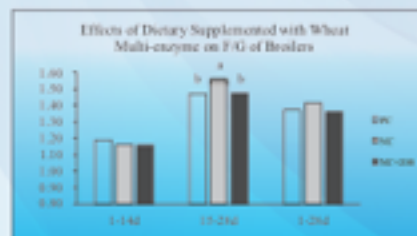
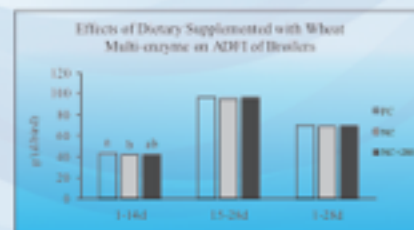
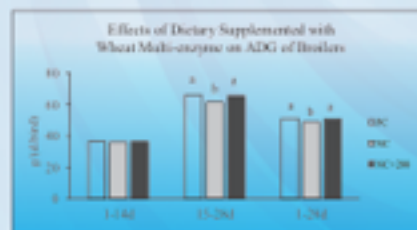
#### 3.1 Experimental Design

Table. Experimental Design

Groups	Diets
PC	Corn-soybean meal type diet
NC	Wheat type diet
NC+200	Wheat type diet + 200g/T Wheat Multi-enzyme

#### 3.2 Experimental Result

- Improve the growth performance and nutrient digestibility



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