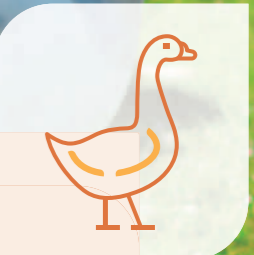


Add Value to Feed



PhosGen Plus

Thermostable Phytase

www.bestzyme.com



What is PhosGen Plus?

PhosGen Plus is a thermostable phytase, retention rate is 90% after 95°C pelleting. PhosGen Plus is a fully patented, unique bacterial phytase developed by Bestzyme. PhosGen Plus is sourced from E.coli and is expressed in an Aspergillus niger.

PhosGen Plus benefits

PhosGen Plus rapidly degrades phytate, releases more nutrients such as phosphorus, energy and amino acids compared to competitor's phytases.



Save Feed costs

- Reduces inorganic phosphate in feed, releases more energy and amino acids
- Efficiently breaks down phytate in feed
- Increases the nutrient availability from phytate



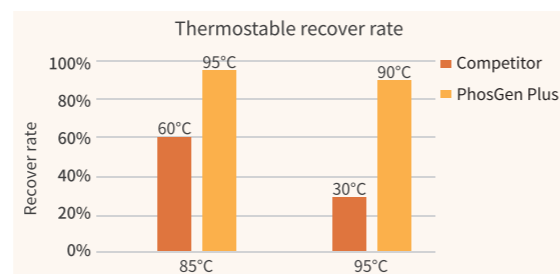
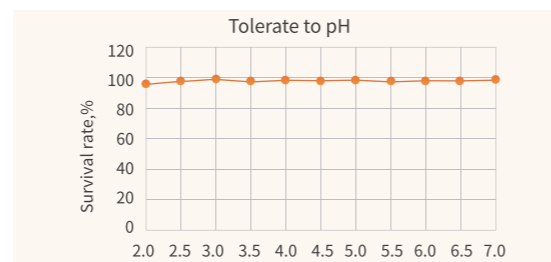
Production benefits

- Gain more body weight and improve FCR
- Efficiently removes phytate anti-nutrient effects
- Releases more nutrients from phytate, improves energy and amino acid availability



Confidence in use

- Thermostable stability
- PhosGen Plus is heat stable up to 95°C
- Customized recommendations on PhosGen Plus use
- Over 17 years on the market



Product form

- PhosGen Plus is a phytase specifically developed to increase the digestibility of phytin-bound phosphorus, calcium, energy and amino acids in animal diets.
- Dosage
Recommended dosage in Complete Feeds (10000 U/g).

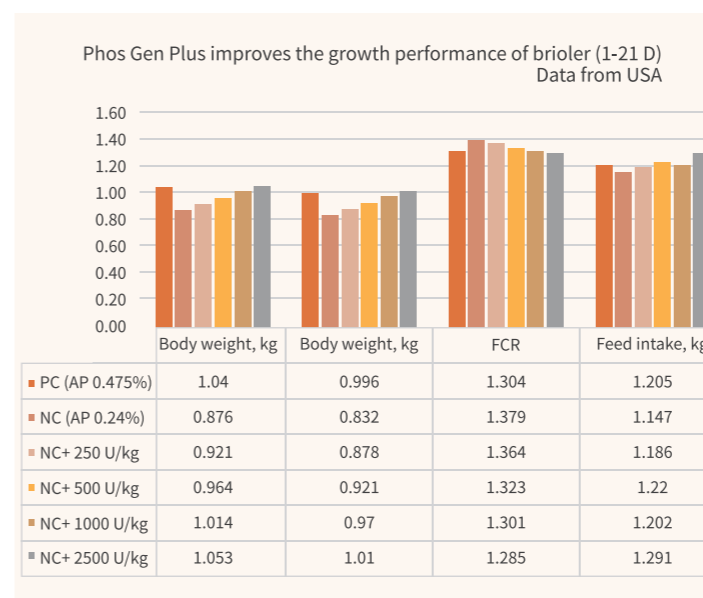
Species	Dosage (Complete Feed)	
	g/t	U/kg
Broiler	50-200	500-2000
Layer, Egg Duck	40-200	400-2000

PhosGen Plus Granule

- Thermostable up to 95°C after pelleting. A light yellow to brown, uniformed granular product.
- Packed in 25 kg multi-wall paper bags.

PhosGen Plus Powder

- A light yellow, fine powder product with a corn-starch carrier.
- Packed in 25 kg multi-wall paper bags



Knowledge background

What is phytate?

Phytate, a mixed salt of phytic acid, is present in plant feed raw materials. It is the main storage form of phosphorus in feed. Phytate cannot be completely decomposed and utilized by monogastric animals.

Why phytate is a problem?

Phytate as a phosphorus source in feed which is difficult to be utilized by monogastric animals that lack of the phytase. Animal needs phosphorus as a nutrition. Initial solution of lacking phosphorus is to add the inorganic phosphorus in feed. However, that causes the P pollution as the phosphorus cannot be entirely utilized by the animal. Excessive P are leaked into and around the farm.

Farmers need to spend more money to add the extra P, Why do we use P from the plant resources?

Phytate contains P and other metal ions, it also contains nutrition like protein and starch. We need to break down the structure of Phytate to release P and nutrition. Phytase is a perfect solution to solve the problem.

How does PhosGen plus help?

PhosGen plus can catalyze phytate into inositol and phosphorus, phosphorus released can be easily absorbed by animal. At the same time, the elements bounded with the phosphorus are also released, that reduces the anti-nutrient effects of phytate.

PhosGen Plus can tolerate high temperature of the feed pelleting process and the low pH of the animal stomach, which ensures a high phytase activity to work in animal digestion system.