

MAXIZYME™ PHYTASE

Natural Phytase Supplement

The Benefits of Phytase

Maxizyme Phytase is an enzyme additive used to unlock the phosphorus that is inherent in the phytate of animal feed. When it frees the phosphorus, it also makes mineral elements such as calcium, zinc, copper, magnesium, amino acids, and proteins available to animals. With those feed improvements, it increases the feed efficacy, daily gain, and improves animal production performance. By releasing the intrinsic phosphorus in feed, **Maxizyme Phytase** also reduces the need for inorganic phosphorus additive, saving those additional costs. Beyond the improvement to animal feed and cost reduction, it also reduces the phosphorus discharge in the animal waste, which in turn lowers environmental pollution.



Product Profile:

Form: Powder

Function: Enhances digestion through enzymatic activity

Shelf life: 2 years



**Made in
USA**

Advantages:

- High heat tolerance
- High stability
- Easily added into current diet
- Reduces environmental waste

Key Features:

- Liberates phosphorus in animal feed
- Improves mineral absorption
- Replaces inorganic phosphorus in feed
- Improves animal production performance



Phosphorus' Role in Animal Growth

Phosphorus is a significant element for animals in many ways: it plays a vital role in bone formation and mineralization, it's involved in the metabolic process of energy transfer, and it helps with protein and nucleic acid assembly. When animals have a phosphorus deficiency, it can lead to poor bone development and adversely affect other significant production concerns such as growth rate, carcass leanness, and carcass quality. Consequently, adding inorganic phosphorus to animal feed is common because of its importance and the phosphorus from a plant or animal origin feed is less digestible. **Maxizyme Phytase** counters the need to add excessive inorganic phosphorus to feed by using phytase enzymes to unlock the phosphorus within the phytate.

As important as phosphorus is for animals, the phytate that locks it within feed is detrimental. It is worth thinking of it as an antinutrient because it binds crucial nutrients animals need within it. In the upper digestive system, it binds proteins to amino acids; while in the lower digestive system, it binds trace elements and minerals. Beyond just keeping those vital nutrients from animals, it also interferes with digestion and stimulates the production of digestive secretions, which is an energy and nutrient consuming process for animals. This results in an overall reduction of animal performance.

Maxizyme Phytase uses phytase enzymes to liberate the phosphorus from the phytate, making the trace minerals and elements available, and reducing

the antinutrient effects of phytate. As a high-efficiency feed additive, **Maxizyme Phytase** doesn't just help livestock and poultry quality or reduce costs, but it also helps the environment. It's not just good for animals and budgets, but it's good for the planet.

