

# Meri-Phyze 5000



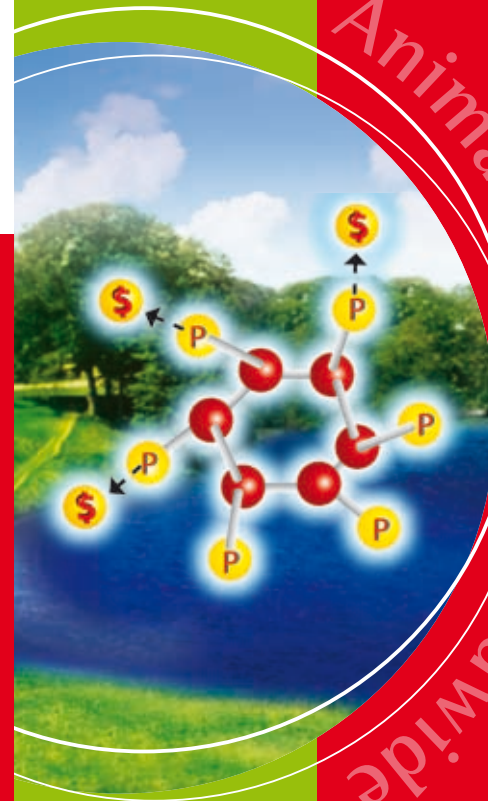
HIGH QUALITY PRODUCTS,  
PROVEN AND USED WORLDWIDE

Website: [www.meriden-ah.com](http://www.meriden-ah.com)  
Email: [sales@meriden-ah.com](mailto:sales@meriden-ah.com)



Cranfield Innovation Centre, University Way,  
Cranfield Technology Park,  
Cranfield, MK43 0BT England.

**Tel:** +44 1234 436130 **Fax:** +44 1234 436131



Animal·Health·Worldwide



**Meriden**  
ANIMAL HEALTH

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Details of formulations, indications and applications for any particular country should be checked.

## Your answer to maximum feed utilisation!

Most of the phosphorus (P) consumed by animals is excreted in the manure. This is a waste of resource, because up to 80% of the total phosphorus in grains and oilseeds is in an organically-bound form known as **phytate** or **phytic acid**. This form of phosphorus is indigestible to monogastric animals, as they have virtually no intestinal phytase activity of their own. Phytase is an enzyme that is capable of breaking down indigestible phytate to release phosphorus, making it available for absorption and utilisation by monogastric animals, thereby reducing phosphorus excretion.

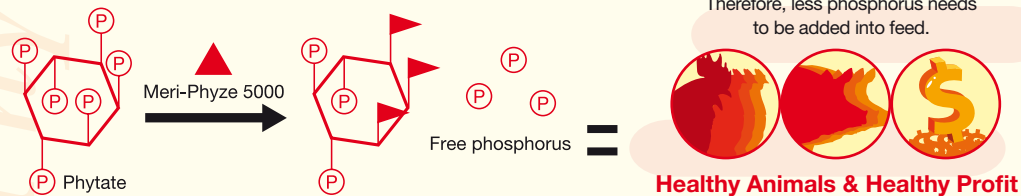
This low availability of phytate phosphorus poses two problems for producers:

- 1) The need to add inorganic phosphorus supplements to diets, and
- 2) The excretion of large amounts of phosphorus in manure.

### MERI-PHYZE 5000

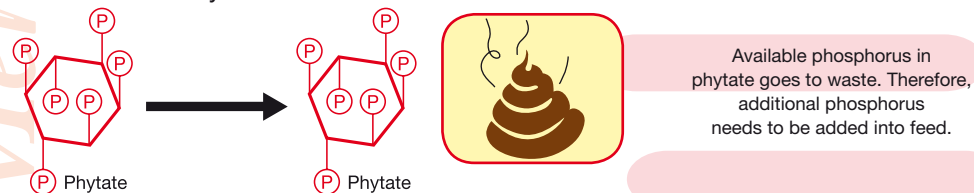
Meri-Phyze 5000 contains phytase, an enzyme capable of breaking down indigestible phytate (phytic acid) in grains and oilseeds; thereby releasing digestible phosphorus for pigs and poultry.

#### With Meri-Phyze 5000



Meri-Phyze 5000 contains a guaranteed minimum of 5000 phytase units (FTU) per gram.

#### Without Meri-Phyze 5000



### WITH MERI-PHYZE 5000 YOU HAVE:

1. **Improved utilisation of phosphate in the feed** by increasing availability and digestibility of phytate phosphorus from feed ingredients of plant origin.
2. **Higher profitability.** Meri-Phyze 5000 significantly reduces the amount of inorganic phosphorus normally added to the diet to ensure that the animal's requirement of phosphorus is met, therefore reducing feed costs.
3. **Improved digestibility** of other phytate-bound nutrients such as amino acids, calcium, other nutrients and increased apparent metabolisable energy.
4. **Reduced anti-nutritional factors** such as inorganic phosphorus and phosphate-phytate.
5. **Reduced output of phosphorus to the environment** through excretion in manure, therefore being nature-friendly.

To produce healthy animals the natural way, Meri-Phyze 5000 can be used together with Orego-Stim®, a natural feed flavour containing many interesting properties including antibacterial, anticoccidial, antidiarrhoeal...and many more.

### CHARACTERISTICS OF MERI-PHYZE 5000

Appearance and odour: yellow, free-flowing granules, slight odour

Solubility in water: insoluble

Enzyme activity: not less than 5000 FTU/g

### RECOMMENDED INCLUSION RATES

Species	Meri-Phyze 5000 (g/t feed)
Broiler	100
Turkey	100
Layer / Breeder	60
Pig	100

At the recommended inclusion rates, it is possible to reduce total phosphorus in feed by 0.1% - 0.12% and calcium in feed by 0.1%.

