MAXIMIZING YOUR PROFIT FROM PHYTASE

Product form

**Axtra® PHY** and **Phyzyme® XP** are phytase feed enzymes specifically developed to increase the digestibility of phytin-bound phosphorus, calcium, energy and amino acids in animal diets.

**Axtra® PHY**
Available as thermostable TPT and in a liquid.

**Phyzyme® XP**
Available as thermostable TPT, granular (on a wheat carrier) and in a liquid.

Packaging

**Dry**
Packed in 25 kg multi-wall polyethylene lined paper bags or carton with polyethylene inner bag and in 1000 kg bulk (tote) bags.

**Liquid**
Packed in 200 kg and 1000 kg containers.

More details on our Phyzyme® XP and Axtra® PHY phytase products are available at http://animalnutrition.dupont.com
3 ways to achieve profitable phytase dosing

1. Select a highly bio-efficacious phytase
   For over 20 years, the industry standard phytase dose has been 500 FTU/kg. Today, inorganic phosphorus costs more, phytase costs less and some phytases are more effective than others, yet the standard hasn’t changed. To achieve optimum phosphorus uptake, reduce the anti-nutrient effects of phytate and increase the availability of costly energy and amino acids today, you need to select:
   • a phytase enzyme that is highly active at the low pH conditions prevailing in the animal’s upper digestive tract
   • the most appropriate dose for that phytase, supported by well-researched matrix values that vary according to animal species, diet variation and the age of the animal

   Our highly bio-efficacious bacterial phytase products – Phyzyme® XP and Axtra® PHY – are supported by evidence-based matrix values that support flexible dosing and optimize profitability.

2. Use value-add services to optimize dose
   Our online Optimize Feed™ Service is an easy-to-use tool enabling you to calculate the optimum dose of phytase needed to achieve the strongest performance benefits and cost savings. It uses accurate and well-researched matrix values based on substrate levels, animal species, diet variation and the age of the animal to maximize:
   • uptake of phosphorus and reduce the need for costly inorganic phosphorus supplementation
   • release of energy and amino acids by rapidly reducing the anti-nutritional effects of phytate, using extensive global data on raw material substrates

   It also helps to establish the right dose of phytase to balance calcium and phosphorus levels, which is important for bone mineralization.

3. Make sure your phytase is heat stable
   Significant loss of phytase activity during steam conditioning and subsequent pelleting of feed negatively impacts profitability. A phytase can be made more heat stable by using a well-researched coating to protect it.

   Phyzyme® XP and Axtra® PHY incorporate unique TPT coating technology, which offers heat stability up to 95°C (203°F). The TPT coating also allows rapid release of phytase in the upper part of the gut to achieve optimum bio-efficacy.

Maximizing production value from phytase

INCREASED PHYTATE HYDROLYSIS
OPTIMUM PHYTASE DOSE
LESS ANTI-NUTRIENT EFFECT
GREATER P RELEASE & BIOAVAILABILITY
REDUCED USAGE OF INORGANIC P
REDUCED ENDOGENOUS AA AND ENERGY LOSSES
IMPROVED BIOAVAILABILITY OF MINERALS

NET PROFIT
0 2000

PHYTE Dosing Service

Product availability is subject to national registrations. Available for customers only. For dry phytase pre-pelleting and liquid post-pelleting.
3 ways to achieve profitable phytase dosing

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To achieve optimum phosphorus uptake, reduce the anti-nutrient effects of phytate and increase the availability of costly energy and amino acids today, you need to select:

- a phytase enzyme that is highly active at the low pH conditions prevailing in the animal’s upper digestive tract
- the most appropriate dose for that phytase, supported by well-researched matrix values that vary according to animal species, diet variation and the age of the animal

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Maximizing production value from phytase

In increased phytate hydrolysis:

- Greater release & bioavailability of phosphorus
- Reduced anti-nutrient effect
- Reduced usage of inorganic P
- Improved bioavailability of minerals

Resulting in:

- Improved animal performance
- Reduced endogenous AA and energy losses
- Reduced bone mineralisation
- Improved feed outputs
- Improved farm and feed mill environment
- Net profit
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