

TECHNOZYME NSP

POULTRY

ENZYME COMBINATION FOR POULTRY

- ⊕ Improves nutrient digestibility
- ⊕ Higher daily weight gain
- ⊕ More healthy and uniform flocks



FEED APPLICATION

 **Biochem**
Feed Safety for Food Safety®

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POULTRY

ENZYME COMBINATION FOR POULTRY

What is TechnoZyme NSP?

TechnoZyme NSP is a blend of individually proven Xylanase and Glucanase, especially developed to improve the nutritional values of poultry diets.

Mode of action

The nutritional value of feed ingredients is negatively affected by their content of non-starch polysaccharides (NSP). These carbohydrate compounds cannot be digested by the monogastric animal, because the animals cannot build the necessary enzymes for degrading these substances.

Non-starch polysaccharides reduce the digestibility of the nutrients by encapsulating useful nutrients and acting as a physical barrier to the animal's own enzymes. Furthermore, the NSP increase digesta viscosity and water binding capacity of the undigested feed causing wet litter and soft/watery faeces.

Digesta viscosity is decreasing feed intake by slowing down the passage rate of the digesta and reduces nutrient utilization as the animal's own enzymes cannot reach their substrate.

This disturbance in the digestive process and absorption can result in a reduced feed intake and more water and undigested nutrients can induce imbalances in the intestinal microbiota.

By degrading these anti-nutritive substances **TechnoZyme NSP** improves digestibility and helps to release nutrients. Digesta viscosity and water content in the gut are reduced. Less excretion of endogenous enzymes is needed and in consequence lower endogenous losses and a better resorption of nutrients are observed.

TechnoZyme NSP improves poultry nutrition by...

- + Lowering the digesta viscosity caused by NSP rich diets
- + Supporting the efficiency of endogenous enzymes
- + Improving nutrient digestibility of high fiber raw materials like wheat bran and barely
- + Reducing endogenous losses caused by microbial imbalances
- + Increasing overall feed energy value

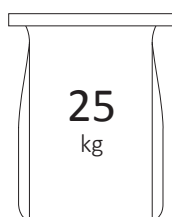
Using **TechnoZyme NSP** results in feed cost savings by enabling a greater inclusion of high fiber and low cost ingredients into the ration, enhancing the feeding value of the diet by improving digestibility. As a multi enzyme product, it allows a great flexibility in combining feed ingredients and covers a wide range of substrates derived from all types of grains.

Pelletizing stability

TechnoZyme NSP will keep its activity after pelletizing at 85°C.

Storage stability

24 month after manufacturing date, if stored in unopened original packaging under cool and dry conditions.



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