



# Maintain performance and increase profits with CIBENZA® DP100



## Product description

CIBENZA® DP100 is a highly efficient, unique protease enzyme that is heat stable and active in a broad range of feedstuffs. This natural, bacterial derived enzyme supports stable gut health from weaning to finish by keeping the gut pH in a range favorable for the growth of beneficial bacteria. This allows for a reduction of excess dietary protein and amino acids with maintained performance, reducing the cost of feed protein.

## Save on feed costs while maintaining performance

Pork producers taking advantage of lower-cost, lower-quality protein sources may discover these ingredients are not as readily absorbed or digested, leading to diminished performance typically seen with corn-soy diets. CIBENZA DP100 allows producers to incorporate these ingredients without sacrificing performance. It works to make the indigestible portion of feed ingredients more available to the animal by degrading components so they are more easily absorbed into the digestive system.

**Benefits for Pigs**

- Keeps gut pH in favorable range
- Reduces excess dietary protein and amino acids
- Maintains performance
- Reduces cost of feed protein

## Protein levels affect nursery pig health

Piglets have high requirements for digestible amino acids to promote early growth and muscle deposition. But the challenge is, high protein diets pose a lot of problems with pathogenic bacteria causing scours, intestinal disorders and morbidity. As the amino acid density of the diet increases, growth and efficiency improve, but the risk of diarrhea increases. In an effort to reduce health problems, producers sometimes lower the protein levels in feed or choose lower quality protein ingredients. This practice often comes at the expense of reduced growth and performance. By using CIBENZA DP100, producers can reduce the amount of total excess protein and reduce the risk of diarrhea while maintaining or possibly improving performance.

Figure 1. CIBENZA DP100 limits the growth of undesirable bacteria and enhances growth of beneficial bacterial species.

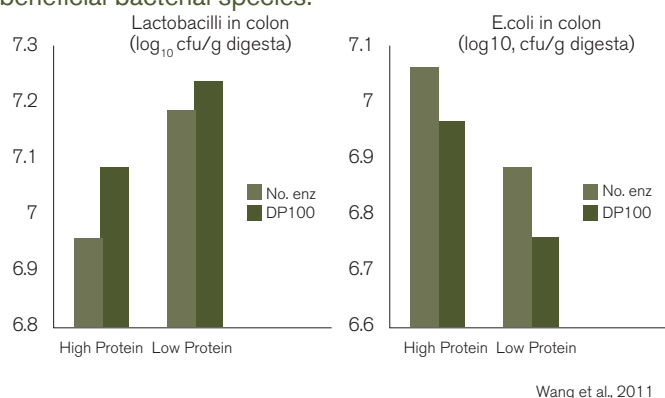
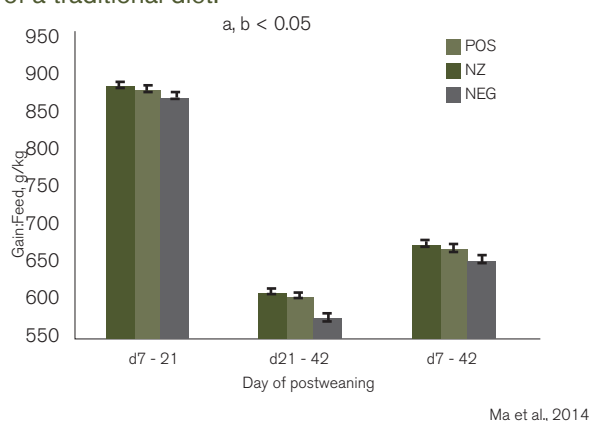


Figure 2. Use of CIBENZA DP100 in a negative control diet increased performance to match that of a traditional diet.



## Carcass yield impact

Including CIBENZA DP100 in grow-finish diets improves diet digestibility, reduces excess nitrogen and reduces potentially harmful bacteria in the gut – all this leads to an improved economic return through yield.

- Decrease the risk associated with switching from a traditional diet to lower quality ingredients
- Improve feed efficiency
- Improve hot carcass weight

## Customized formulation

CIBENZA DP100 is used at 0.05 percent in all diets. The Novus technical team will work with each customer to customize an enzyme program with their proprietary CIBENZA Nutrient Profile Tool. This tool helps evaluate diet composition and determine the economic impact that CIBENZA DP100 can have. Working closely with customers, Novus delivers a customized recommendation based on individual diet formulations and ingredient availability.

For more information please contact your nearest Novus Representative.

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