



Need More Protein Value From Your Ingredients?



CIBENZA® DP100 feed additive works to improve protein digestibility of feed ingredients. Improvements in protein digestibility help the animal get more value from ingredients and reduce the risk of performance variation as a result of ingredient quality variation or variation in diet formulations. An added benefit of improving protein digestibility is a reduction in nitrogen fermentation in the hindgut which helps reduce the risk or severity of diarrhea and helps reduce risk of odor and respiratory challenges associated with ammonia excretion.

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CIBENZA might be right for you. Ask yourself these questions:

Feedstuffs

- Do you want to reduce diet costs?
- Would you like to rationalize ingredient use when economically advantageous?
- Are you interested in a higher inclusion rate of lower cost ingredients?
- What feedstuffs are available within a reasonable radius of your livestock enterprise?
- How do you believe a ration including alternative ingredients impact your animals' performance?
- Would you like to decrease performance risk due to ingredient quality variation?
- Are you equipped to improve consistency of performance across a broad range of ingredient compositions?
- How will enzymes, such as the protease in CIBENZA, work with alternative ingredients?
- Do you have a plan for mitigating expected higher soybean meal costs in the current year? How will you keep performance at profitable levels?
- What will you do to stretch soybean meal in rations due to cost while maintaining performance?
- Do you want to increase net energy content, and subsequently gain and feed/gain, of pigs fed non-fat diets?

Nursery Performance

- What plans do you have for mitigating weaning stress and consequently reducing scours?
- How will you increase protein digestion which decreases protein fermentation in the nursery pig's gut which is what causes scours?
- What methods do you have for maximizing protein digestion in nursery pigs?

Odor Management

- Would you like to reduce ammonia levels?
- What production practices can and do you change to manage odor issues?
- What information do you need on protein digestion and fermentation would be beneficial to you as you address odor control issues?
- How greatly do environmental concerns impact your nutrition decision-making?

CIBENZA Value

- Novus has invested significant resources in testing CIBENZA, measuring results, and evaluating feedstuffs. How would plugging your ration information into a proprietary performance calculator influence your decision to include CIBENZA in your ration?

Summary

CIBENZA DP100 is a broad spectrum protease fermentation product from *Bacillus licheniformis*. Intrinsically heat stable, CIBENZA DP100 is ideal for pelleted feeds and is effective in a broad range of feedstuffs at improving protein digestibility and the supply of available amino acids for growth, maintenance and health. This results in a lower level of bacterial protein fermentation in the hindgut which reduces ammonia production and odor. With a lower level of ammonia in the hindgut, the risk of enteric challenge is reduced as well.

Nutritionally, improved amino acid availability allows for diet reformulation and diet cost reduction as a result of better value being obtained from each ingredient. The ingredient value is further enhanced through better energy availability from the amino acids. In diets where this additional energy can be captured through dietary fat reduction, a cost savings is realized. In diets without added fat, the improved net energy content of the diet will be realized through improved gain and feed conversion and associated economic benefits.

For more information please contact your nearest Novus Representative.

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