

# LYSOFORTE® DRY

LYSOFORTE is a nutritional emulsifier – based on lysophospholipids – designed to enhance digestion and absorption of energy-rich feed ingredients, including fats, oils and fat-soluble nutrients in livestock and poultry feeds.

By optimizing the three steps in fat digestion – emulsification, hydrolysis and absorption – LYSOFORTE provides producers a more consistent fat utilization response, enhanced nutrition absorption, improved feed efficiency and better feed cost control.

## MODE OF ACTION

- Forms small, stable oil-in-water emulsion droplets
- Provides more exposed surface area for fat hydrolysis by lipases
- Enables formation of smaller, more stable micelles
- Enhances absorption of fats, oils and fat-soluble nutrients like pigments and fat-soluble vitamins
- Positively impacts gut morphology and intestinal integrity<sup>1</sup>

## FEATURES AND BENEFITS

- Supports growth performance and feed efficiency<sup>2,3</sup>
- Contains lysophospholipids that help improve fat and fat-soluble nutrient digestion and absorption<sup>2,4</sup>
- Aids in nutrient digestion for young animals
- May be used to replace high-energy ingredients, like fats and oils, in diets for feed cost savings
- Available in a dry, heat-stable form suitable for pelleting

## PACKAGING

- 25 kg bags
- Store in a cool, dry place out of direct sunlight for maximum shelf-life



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## APPLICATION RECOMMENDATIONS

**Efficient and easy to incorporate in premix/ concentrates or complete feeds:**

Swine and poultry: 1 lb/ton of feed

Beef and dairy: 15 grams per head per day

Can be applied either:

- "On top" of the existing feed formula for enhancing piglet/sow performance
- In a reformulation strategy using an energy matrix value to save feed costs

### References Section:

1. Brautigan, D.L., et al. (2017). Lysolecithin as feed additive enhances collagen expression and villus length in the jejunum of broiler chickens. *Poultry Science*, 96: 2889-2898.
2. Wealleans, A.L., et al. (2020). The addition of lysolecithin to broiler diets improves growth performance across fat levels and sources: a meta-analysis of 33 trials. *British Poultry Science*, 61: 51-56.
3. Supplementation of lactating sow diets with LYSOFORTE® improves sow condition, litter growth and uniformity, and piglet livability. TL-18-00029.
4. Wealleans, A.L., et al. (2021). Fats and oils in pig nutrition: Factors affecting digestion and utilization. *Animal Feed Science and Technology*, 277: 114950