



POULTRY **Feed Ingredients** · By-Products • Distillers Dried Grain Solubles (DDGS)

- Oil seeds
- Amino Acids ٠
- Vitamins & Minerals
- Antibiotics & Antimicrobials
- ٠ Enzymes
- **Probiotics & Prebiotics** ٠
- **Fermentation Products** ٠
- Others



🔶 Diamond V











Fermentation Products

- New Class of feed additives
 Fermentation technology
- Fermentation technology
- More animal health than nutrition
 - Healthier animals perform better
 - Some influence on microbiota
 - Primary Mode of Action
 - Intestinal morphology





POULTRY

Fermentation Products

Animal Health

- Supports the Innate functions of GI tract (morphology, phagocytic cells)
- Interacts systemically with Adaptive functions (inflammation, antibody titers)
- Promotes optimal microflora
- Incredibly stable (200° F)
- Long shelf life (years)
- Very concentrated (micro-bins or premix)
- No live organisms, functional metabolites





