



**ADM Research Facility
Mendon, IL**



Our ADM Feed Development Lab is a world-class facility that develops animal feed and pet food products, ingredients, and services. ADM uses sophisticated *in-situ* and *in-vitro* techniques and individual feeding studies to determine the nutrient content, related feeding value, and best use for liquid and dry ingredients, as well as associated ingredient blends.

ADM Animal Nutrition™ is a leading provider of a wide range of innovative products for the animal nutrition market. A global leader in amino acids, ADM Animal Nutrition also offers high-quality feed products, supplements, premixes, custom ingredient blends, and specialty feed ingredients to aid in optimizing animal health and nutrition.

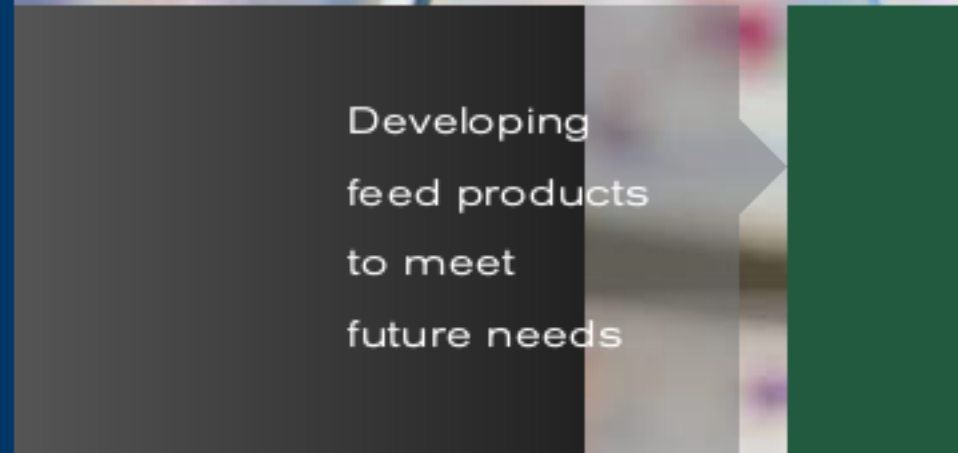


ADM Animal Nutrition™
A division of Archer Daniels Midland Company
1320 Highway 61, Mendon, IL 62351
217-936-2250
ADMAnimalNutrition.com

SM0228-0917



**Animal Nutrition
Feed Development
Lab**



Developing
feed products
to meet
future needs





INNOVATIVE

RUMEN FERMENTATION

In-vitro

- Individual Tube Fermentation
- ANKOM Gas Production System
- ANKOM Daisy Incubation

In-situ

- Cannulated cows for bag drops
- 16-Hour Rumen Undegraded Protein (RUP)
- Intestinal Digestion
- CNCPS Pools
- Kd rate of digestion for protein, fiber and starch

METRICS OF RUMEN FERMENTATION

- Rumen pH
- Volatile Fatty Acids
- Rumen Hydrogen Sulfide
- Rumen Ammonia-N

MARKERS OF IMMUNITY & METABOLISM

- Haptoglobin
- IgA
- IgG
- PUN

SERVICES

PROXIMATE ANALYSIS

- Moisture
- Crude Protein
- Crude Fat
- Crude Fiber
- Ash

FAT AND FIBER

- ADF
- aNDF
- Acid and alkaline fat hydrolysis

ELISA MYCOTOXINS

- Aflatoxin
- Fumonisin
- Zearalenone
- DON

HPLC VITAMIN E

HPLC METHOPRENE

COST EFFECTIVE

FECAL STARCH

PARTICLE SIZE ANALYSIS

- Penn State
- Sieve

MICROCHEMICAL SPOT TEST

MICROSCOPY SERVICES

- Contamination
- Reverse Engineering

GROSS ENERGY

% SALT

(calculated from Chloride)