



**ADM Research Facility  
Mendon, IL**

Our ADM Feed Development Lab in Mendon, IL, works to develop innovative 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  
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**Animal Nutrition  
Feed Development  
Lab**

Developing  
feed products  
to meet  
future needs



## INNOVATIVE

## SERVICES

## COST EFFECTIVE

### 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
- IgG
- IgA
- PUN

### 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

### FECAL STARCH

### PARTICLE SIZE ANALYSIS

- Penn State
- Sieve

### MICROCHEMICAL SPOT TEST

### MICROSCOPY SERVICES

- Contamination
- Reverse Engineering

### GROSS ENERGY

### % SALT

(calculated from Chloride)