

# MEGALAC<sup>®</sup> Rumen Bypass Fat

## the industry standard for bypass fat

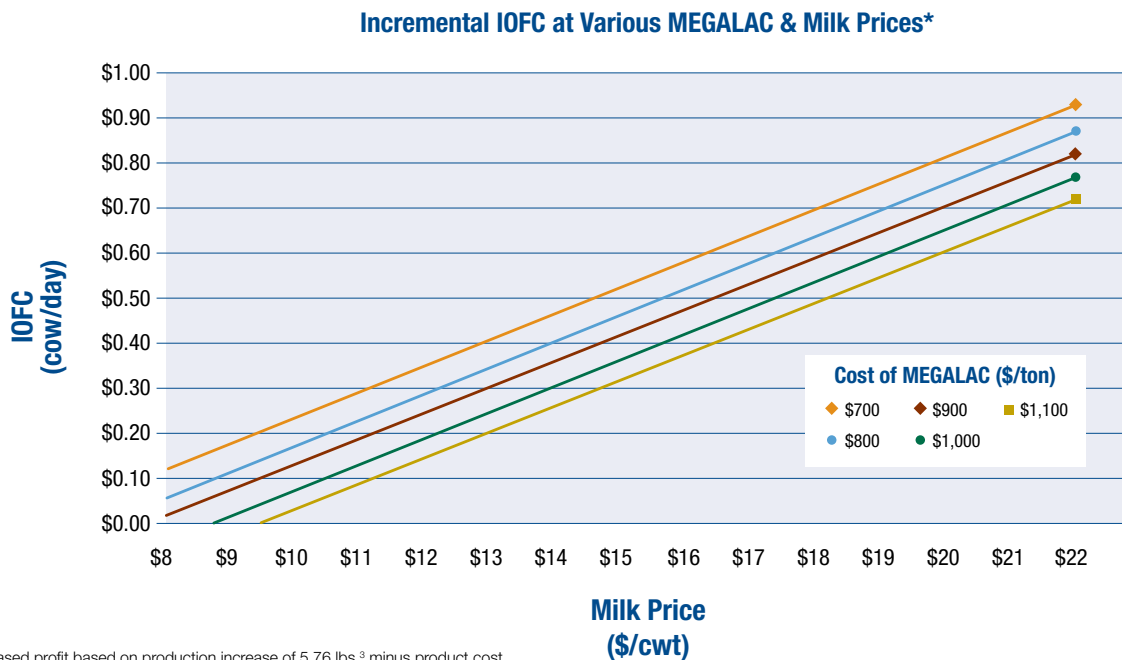
Made in the U.S.A. for over 20 years, MEGALAC<sup>®</sup> Rumen Bypass Fat is the original bypass fat, developed and introduced to the dairy industry by Church & Dwight Co., Inc. Arm & Hammer Animal Nutrition was the first dairy feed ingredient supplier to prove that feeding rumen-protected fat leads to improved income over feed costs (IOFC) when milk prices are low and *even greater profits when prices are high*. *Even today more dairy producers rely on MEGALAC for their cows' energy needs than any other fat source.*

### The Goal—Optimize Feed Utilization

- Profit improves when cows produce more milk with less dry matter intake
- MEGALAC is the **only** bypass fat with a USDA-measured Net Energy of Lactation (NE<sub>L</sub>) value
  - MEGALAC has 2.96 Mcal/lb.<sup>1</sup> of NE<sub>L</sub>
  - *All other* bypass fats on the market have *estimated* NE<sub>L</sub> values taken from MEGALAC research
  - MEGALAC is more than 85%<sup>2</sup> digestible in the small intestine at the recommended feeding rates

### MEGALAC—Always a Solid Investment

History demonstrates the volatility experienced within the dairy industry, both in feed costs and milk price. As reflected in the graph, MEGALAC is a solid investment that delivers improved IOFC, regardless of milk price.



\*Increased profit based on production increase of 5.76 lbs.<sup>3</sup> minus product cost.

### At any milk price MEGALAC contributes to bottom-line profits

Graph based on:

- MEGALAC feeding rate of 1 lb./head/day
- Production of 5.76 lbs.<sup>3</sup> more fat-corrected milk per cow per day, based on published studies comparing cows fed MEGALAC<sup>2</sup> to controls with no additional fat.



## MEGALAC Beats the Competition

All bypass fats are not equal

- Amount of Total Fatty Acids (energy) differs vastly among products
- 122 field samples show MEGALAC has the highest level of Total Fatty Acids in the industry

Consistency is not equal among products

- Energy content varies with other bypass fats, causing daily milk-yield fluctuations
- Based on field sample data, MEGALAC is the most consistent bypass fat available

MEGALAC stands out from the competition

- Higher Total Fatty Acid levels
- Less variability
- More value in your ration compared to other bypass fats

Contact your Arm & Hammer representative to find out more about why MEGALAC is the best choice for dairy cows.

## MEGALAC—The most researched fatty acid supplement on the market

There are 54 published research trials (142 total comparisons) with MEGALAC to date

- The trials compare MEGALAC to no added fat, tallow, oilseeds, greases and other manufactured products, using a variety of feeding rates, scenarios and operations
- 36 were field trials conducted under “commercial-type” conditions with 93.6% of them demonstrating increased milk production with MEGALAC
- 89% of the published studies showed overall higher feed efficiency with MEGALAC

## Recommended Feeding Rate

Feeding MEGALAC at .5 lbs. to 2.0 lbs. per cow per day is necessary to meet the energy requirements of high-producing cows, depending on production phase. For best results, work with your nutritionist to incorporate MEGALAC into a properly balanced ration.

To find out more about MEGALAC, contact your ARM & HAMMER® representative or your nutritionist, visit [AHDairy.com](http://AHDairy.com) or call 800-526-3563.

**MEGALAC®**  
the original

\*\*Every dairy operation will vary when feeding MEGALAC.

1 Andrew SM, Tyrrell HF, Reynolds CK, Erdman RA. Net Energy Value for Lactation of Calcium Salts of Long-chain Fatty Acids for Cows Fed Silage-based Diets. *J Dairy Sci* 1991;74 (8):2588.

2 Sanchez WK. Energy Barrier Breaker® Research Summary. Church & Dwight Co., Inc., 2001. Page 10, Table 1 and Figure 5.

3 Sanchez WK. Energy Barrier Breaker® Research Summary. Church & Dwight Co., Inc., 2001. Page 13, Table 2.

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## MEGALAC— The Only Option

Why would you gamble with another bypass fat?

- Most-researched fatty acid supplement, with over 54 published research studies to date
- Only bypass fat with a USDA-measured NE<sub>L</sub> value
- Made in the U.S.A. for over 20 years
- Facilities certified by both FCI and SafeFeed/SafeFood certification programs
- Consistently delivers the highest levels of Total Fatty Acids
- Product diversity with both MEGALAC PLUS™ to increase component production, and MEGALAC®-R, to improve reproductive performance



Arm & Hammer  
Animal Nutrition

