

## **ARM & HAMMER ANIMAL NUTRITION** Maximize MP for a win-win

GETTING



#### **OVERVIEW**

- The FERMENTEN<sup>™</sup> Advantage
- MP: More Miles to the Gallon
- More Milk, Greater Efficiency
- Get Heifers Going Sooner
- Maximize MP, Maximize Value
- Fuel Up: Recommended Feeding Rates

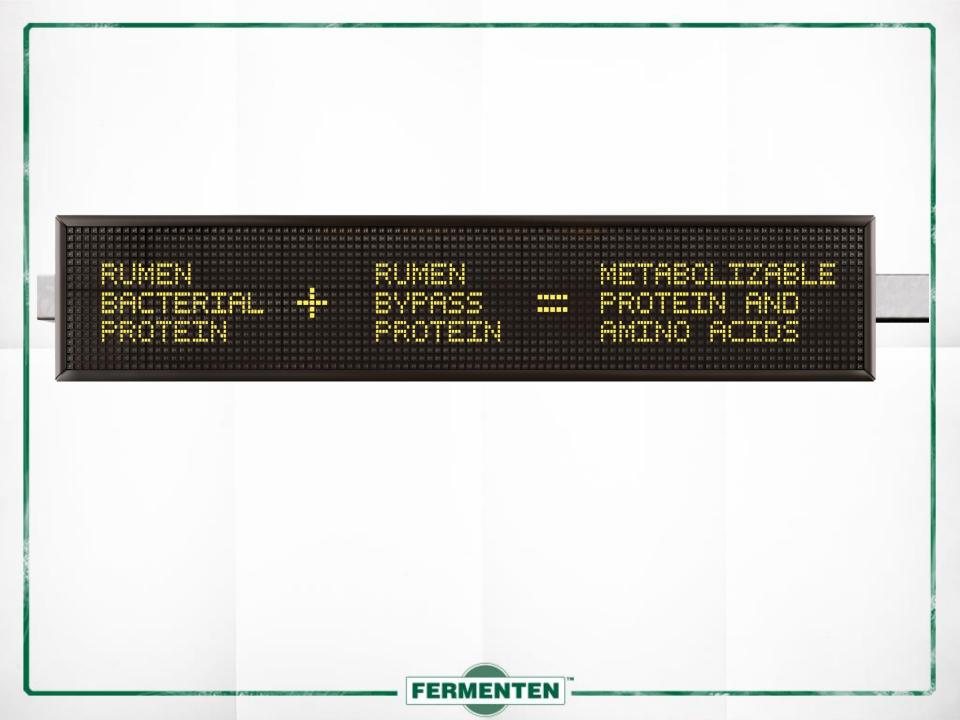


#### THE FERMENTEN ADVANTAGE

- Delivers peptides, amino acids and nucleotides, the building blocks of metabolizable protein (MP)
- More MP means:
  - Cows milk more
  - Heifers reach breeding size faster
  - Greater lifetime productivity
  - Herd profitability increases







#### MORE MILES TO THE GALLON

 FERMENTEN delivers the amino acid building blocks for greater MP

FERMENTE

- Aids in nutrient utilization
- Boosts production
- Improves feed efficiency



For the safe and consistent route to more MP choose FERMENTEN, which contains no animal byproducts.

# ROAD

MP is the ideal form of protein that is digested postruminally and supplies essential amino acids to the cow.

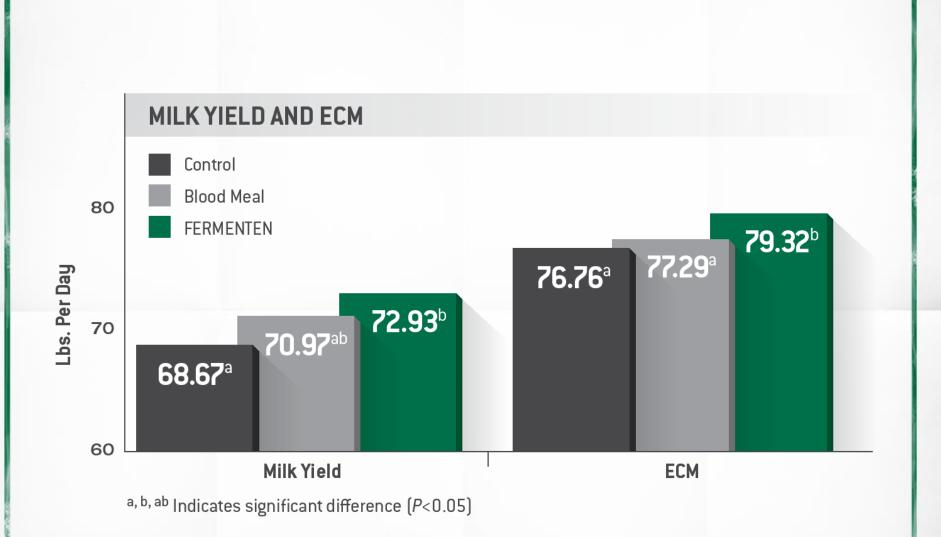


#### GREATER MILK. GREATER EFFICIENCY.

- 2012 research<sup>†</sup> found cows fed FERMENTEN—when compared to control and blood meal diets—showed improvements in:
  - Milk yield
  - Energy-corrected milk (ECM)
  - Feed efficiency

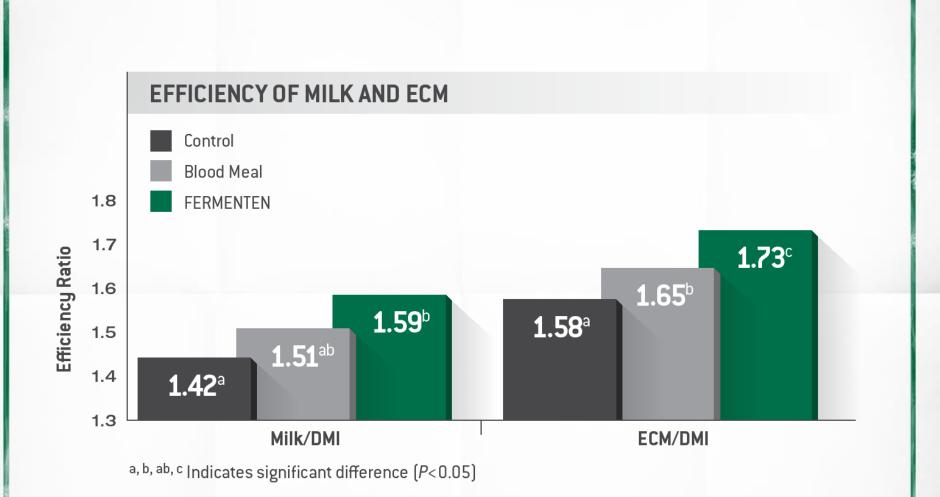
<sup>+</sup> Block E, Evans E, Clark N. New Solutions Can Replace Blood Meal as Amino Acid Source. Arm & Hammer Animal Nutrition Research Bulletin. Data on file.





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Diets formulated with FERMENTEN deliver the same or better efficiency as a diet formulated with blood meal<sup>†,‡</sup>

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<sup>‡</sup> Trial conducted at University of Delaware. Data on file.

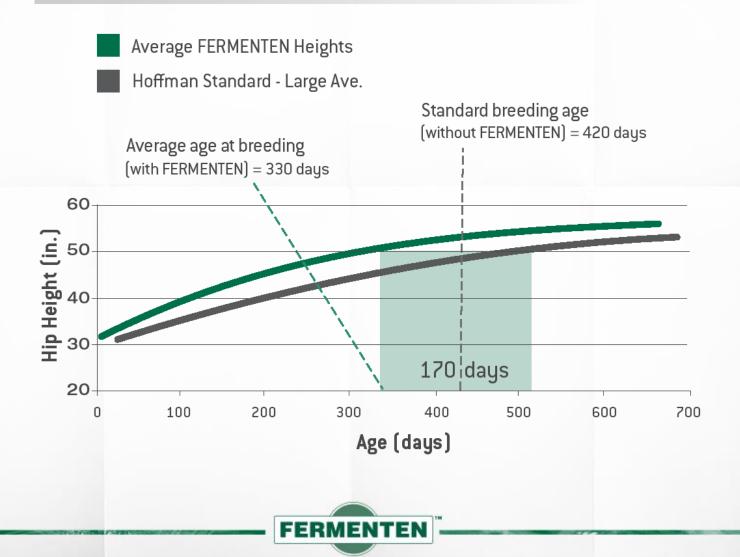


## GET HEIFERS GOING SOONER

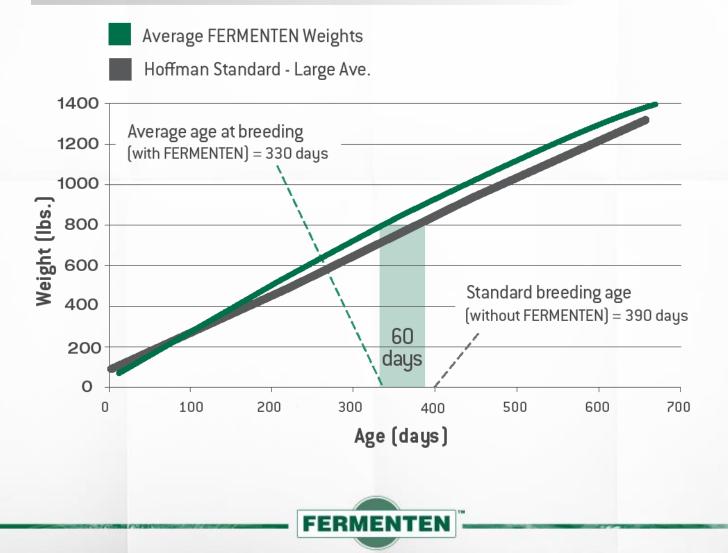
- A large on-farm trial<sup>†</sup> in north central U.S. fed FERMENTEN to 2,200 heifers from weaning to calving at a rate of 3% of ration dry matter
- Heifers fed FERMENTEN:
  - Reached breeding height 170 days sooner than heifers not fed FERMENTEN and 90 days sooner than the Hoffman Standard
  - Achieved breeding weight 60 days sooner than the Hoffman Standard



#### FERMENTEN HEIFERS MET BREEDING HEIGHT AT 11 MONTHS



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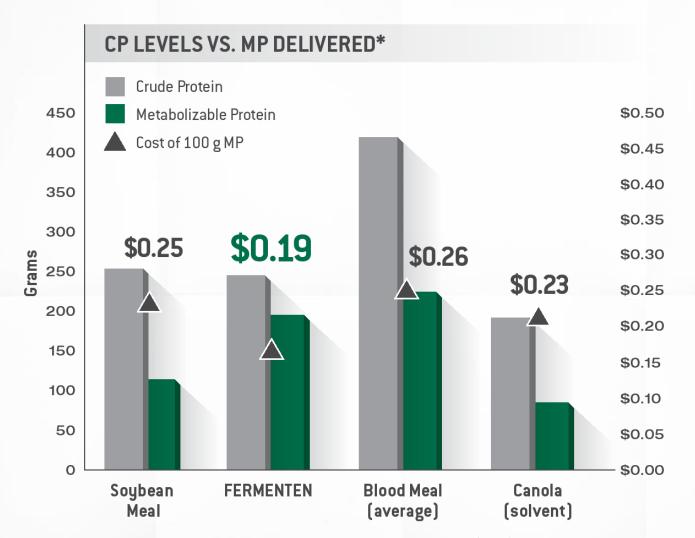
Producers can meet heifer weight and height goals by delivering the high-quality, efficient source of MP found in FERMENTEN.



#### MAXIMIZE MP, MAXIMIZE VALUE

- Feeding similar levels of crude protein (CP) delivers vastly different MP levels, which can lead to overfeeding protein
- FERMENTEN drives MP production to deliver the best value





\* Values based on the increase in MP predicted in CPM Dairy (v5.0) by adding one pound of each supplement to a high-producing cow's diet. Assumed prices/ton of soybean meal, FERMENTEN, blood meal and canola were \$500, \$650, \$1,000 and \$375, respectively.





# Want comparative pricing for your herd?

We've got an app for that. Contact your ARM & HAMMER<sup>™</sup> representative for details.



#### Take the shortcut to bigger profits.

Control FERMENTEN The FERMENTEN Difference			
	Cow/Day		1,000-cow herd/305-day lactation
Milk Production (Ibs.)†	68.67	72.93	873,300.00
Milk Fat (%) <sup>†</sup>	4.43	4.2	
Milk Protein (%) <sup>†</sup>	3.22	3.22	
Dry Matter Intake (lbs.)†	49.23	46.43	(854,000)
Feed Efficiency (Milk Production/DMI) <sup>†</sup>	1.39	1.57	
Milk Income (fat + protein + other)ª	\$18.09	\$18.87	\$237,900
Ration Costs <sup>b</sup>	\$5.91	\$5.57	(\$103,700)
FERMENTEN Cost <sup>c</sup>		\$0.49	\$149,450
IOFC	\$12.18	\$12.81	
ADDITIONAL IOFC WITH FERMENTEN		\$0.63	\$192,150

#### FERMENTEN Boosts Milk and Improves Feed Efficiency

a Used milkpay.com, Midwest Order

b Assumes cost of \$0.12/lb.

c Assumes cost of \$0.35/lb. FERMENTEN cost; feeding rate of 3% of DM





FERMENTEN helped improve feed efficiency from 1.39 to 1.57, resulting in additional \$191 IOFC per cow per year.





\*Based on continuous culture fermenter studies. \*\*Based on a controlled study with 45 cows over 3 months.



## FUEL UP: RECOMMENDED FEEDING RATES

- Work with your nutritionist to review ration MP estimates and account for increased bacterial protein production from FERMENTEN
- Feed FERMENTEN as a primary protein source at a rate of 3% of total ration dry matter.

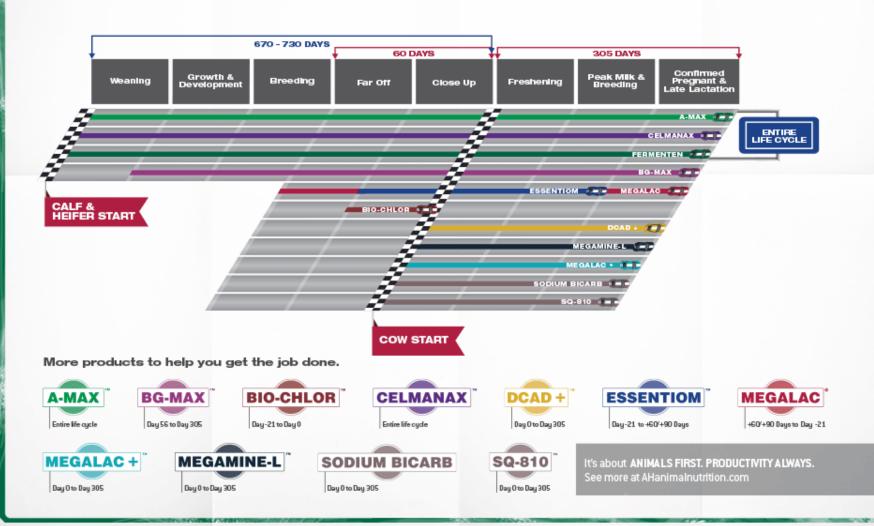
Cows	Up to 3% ration dry matter
Heifers	2 – 2.5% ration dry matter



# Navigate the life cycle journey with FERMENTEN. Birth Day 0 Pre-fresh Day -21 W8.800 Dry-off Day -60 Weaning Day 56 Breeding Day +90 Calving Day O Peak Milk Day +60 Breedin Day 30 FERMENTEN FERMENTEN

# Navigate the life cycle journey with FERMENTEN.





#### **QUESTIONS?**



To learn more about FERMENTEN, your pit crew is standing by: contact your nutritionist, veterinarian or Arm & Hammer Animal Nutrition representative or fuel up at AHanimalnutrition.com.





## THANK YOU!

