

**LIGHTYEARS BEYOND ANYTHING  
YOU'VE EVER FED YOUR COWS.**



## **GALAXIS FRONTIER**

The most scientifically advanced  
microbial solution for dairy cows.

**TALK TO YOUR NATIVE MICROBIALS SALES  
REP TODAY ABOUT ORDERING.**

[GALAXISFRONTIER.COM](http://GALAXISFRONTIER.COM)

# **GALAXIS<sup>TM</sup>**



## OUT-OF-THIS-WORLD RUMEN MICROBES

GALAXIS™ Frontier has the astronomical ability to increase the abundance of the most important microbes in your cow's rumen, resulting in optimized digestion for more energy and efficiency. And this means more of what lactating cows do best.

## A MICROBIAL CONSORTIA ON A MISSION

GALAXIS Frontier is the first and only product composed of four microbes that exist naturally in the bovine rumen. These aren't your run-of-the-mill microbes – this consortia of highly impactful organisms helps to optimize the digestibility of feed. Together, they provide benefits that truly make GALAXIS Frontier otherworldly.



**DY20** *Clostridium beijerinckii* (VFA production) converts sugar into acetate and butyrate to fuel energy



**DY10** *Ruminococcus bovis* (resistant starch degradation) breaks open resistant starches in the feed to access energy



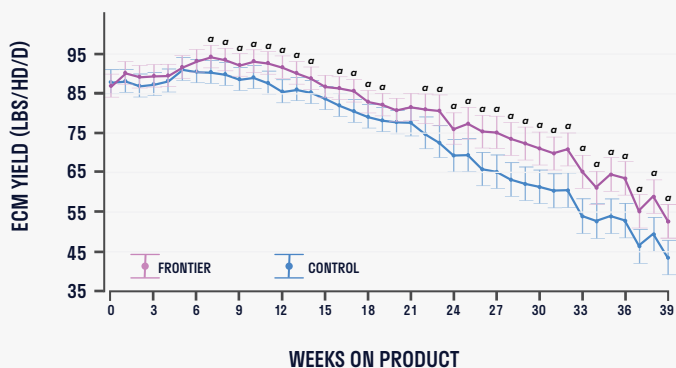
**DY21** *Pichia kudriavzevii* (fibrolytic enzyme production) synthesizes enzymes that catabolize fiber to create more accessible energy in the rumen



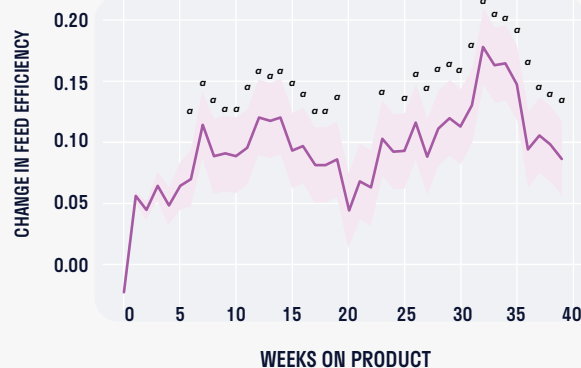
**DY19** *Butyrivibrio fibrisolvens* (biohydrogenation) biohydrogenates linoleic acids found in forage to vaccenic acid, the major substrate for CLA in milk

## ENERGY-CORRECTED MILK YIELD (ECM) AND FEED EFFICIENCY

ECM OBSERVED OVER TIME



FEED EFFICIENCY OBSERVED OVER TIME



$\alpha$  indicates  $P < 0.05$  for CON vs. GALAXIS FRONTIER

Composite data from trials conducted at DairyExperts (Tulare, CA), Michigan State University, University of Illinois, Cornell University, University of Florida.  
Total number of cows = 361 (Galaxis Frontier 181, Control 180)

## OVERALL RESULTS (GALAXIS Frontier)

Milk Yield (lbs.)	+4.58	6.38%
ECM (lbs.)	+5.91	7.98%
Fat (lbs.)	+0.13	3.97%
Protein (lbs.)	+0.11	4.12%
Feed Efficiency (ECM/DMI)	+0.10	6.51%

