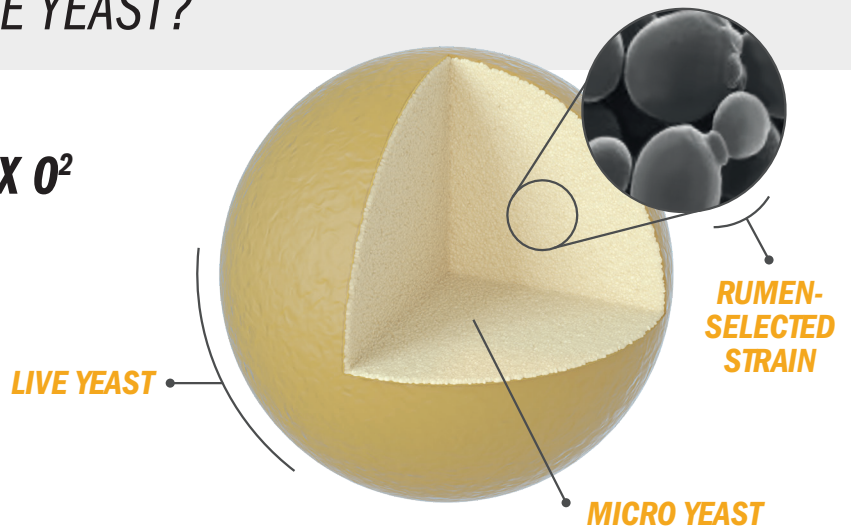


# NOT ALL YEASTS ARE THE SAME.

WHAT IS SPECIAL ABOUT LIVE YEAST?

**Designed for ruminants, ACTIMAX O<sup>2</sup> is a live, probiotic yeast with a high concentration of CFU (20 billion CFUs per gram).**



Higher CFU/head/day together with the oxygen-consuming benefit are associated with:



Greater fiber digestion and VFA production



Reduction of lactic acid production



Improved animal performance and well-being

## FEEDING RATE

ACTIMAX O<sup>2</sup> comes in free-flowing ball form that is virtually dust-free with a 24-month shelf life.

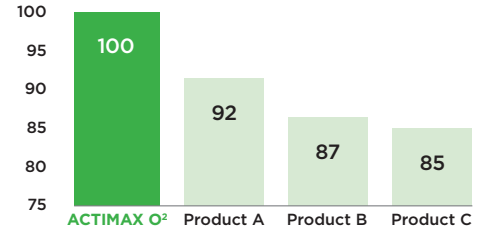
Animal	Feeding Rate
Lactating dairy cattle	3 grams/head/day
Beef cattle	1.5 grams/head/day
Calves	.5 grams/head/day

BENEFITS:

**NATURALLY CONSUMES OXYGEN IN THE RUMEN, CREATING A MORE ANAEROBIC ENVIRONMENT IDEAL FOR FIBER DIGESTION AND LACTIC-ACID-CONSUMING BACTERIA TO PROLIFERATE.**

### THE EFFECT OF LIVE YEAST ON OXYGEN CONSUMPTION

(Relative Difference of O<sub>2</sub> Consumption to Actimax)



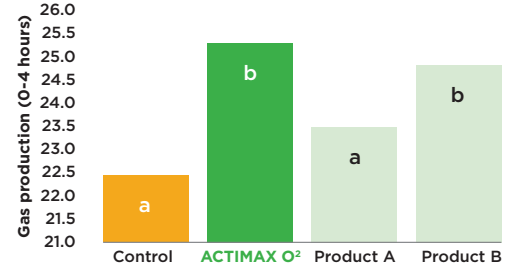
### Alimetrics In Vitro Study

**Results:** ACTIMAX O<sup>2</sup> had a higher proportion of viable yeast compared to products A and B. Furthermore, when the same amount of CFUs were fed among all three trials, ACTIMAX O<sup>2</sup> outperformed the competitors. As initial gas production is an indicator of fermentation, the data suggests that ACTIMAX O<sup>2</sup> could stimulate early dry matter intake as shown in Figure 1. At recommended feeding rates, ACTIMAX O<sup>2</sup> significantly improved gas production compared to other products as shown in Figure 2.

**FIGURE 1:**

The effect of commercial yeast product on gas production when dosed at equal CFUs (0-4 hours).\*

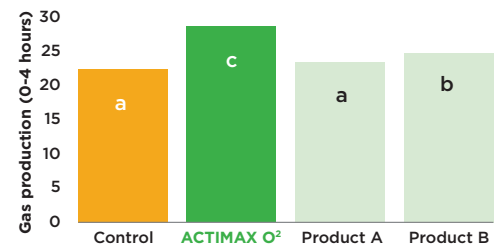
\*Different letters indicate significant differences at P < 0.05.



**FIGURE 2:**

The effect of commercial yeast product on gas production when dosed at typical commercial doses (0-4 hours).\*

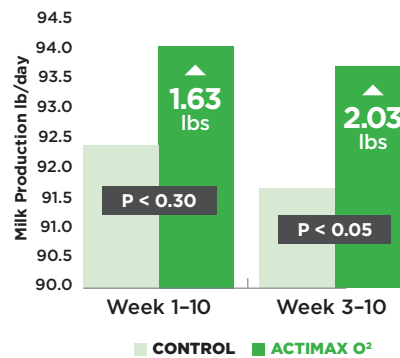
\*Different letters indicate significant differences at P < 0.05.



### U.S. Dairy Commercial Research Farm

**Results:** The use of ACTIMAX O<sup>2</sup> over the overall trial period showed an increase in milk of 1.61 lbs/cow/day compared to the negative control as shown in Figure 3. This became significant at the 3- to 10-week period, where ACTIMAX O<sup>2</sup> increased milk production by more than 2lbs/cow/day. Dry matter intake (DMI) was measured for the entire 10 weeks of the study and the results showed significant increase in DMI by 0.56 lbs/day when cows were fed ACTIMAX O<sup>2</sup> (Figure 4).

**FIGURE 3:**  
Milk Production (lbs/day)



**FIGURE 4:**  
Dry Matter Intake (lbs/day)

