



# ActiSaf

A concentrate of generosity



# Actisaf<sup>®</sup>

Improving fattening beef cattle performance

[phileo-lesaffre.com](http://phileo-lesaffre.com)

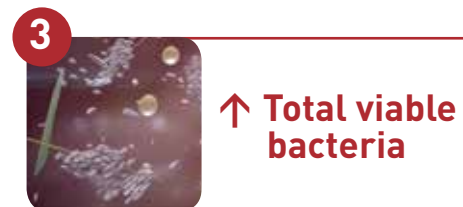
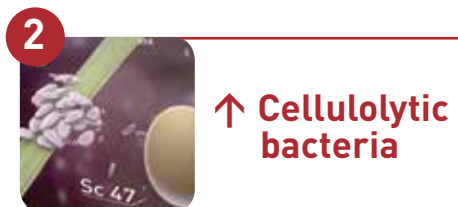
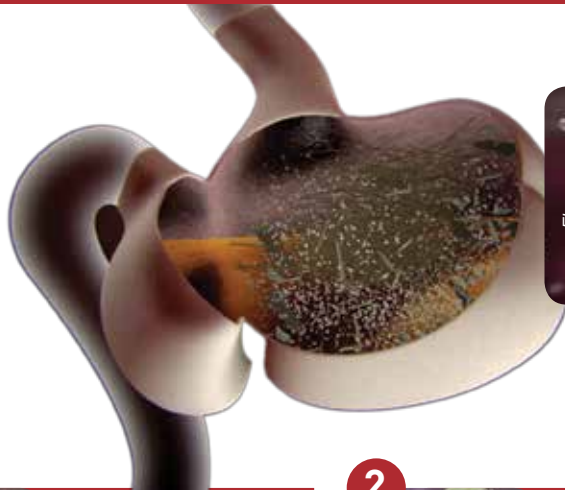


**Phileo**

LESAFFRE ANIMAL CARE

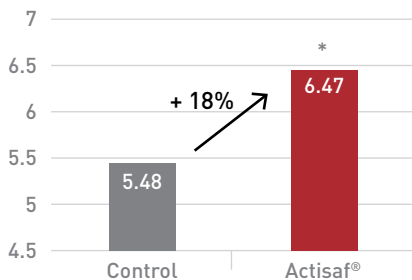
# ActiSaf

## Combined mode of action on rumen microbiota



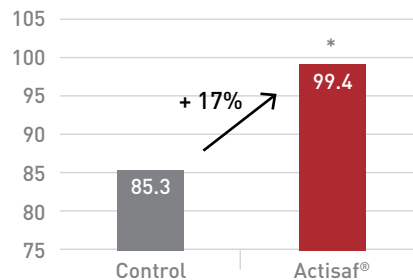
### ↑ pH

Effect of Actisaf® on ruminal pH in beef cattle fed a highly acid-generating diet<sup>2</sup>



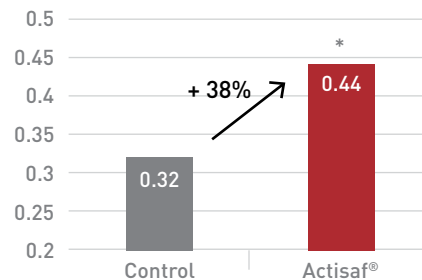
### ↑ Volatile Fatty Acids

Effect of Actisaf® on total VFA production (mM)<sup>3</sup>



### ↑ Nitrogen flow

Effect of Actisaf® at low pH (5.5) on microbial nitrogen flow (g/d)<sup>4</sup>



↑ Growth  
↑ Feed efficiency



↑ Meat production  
↑ Carcass quality

<sup>1</sup> Data on file, 2016.

<sup>2</sup> Garcia-Estefan, A. et al., 1999. Mineral availability and ruminal fluid pH of crossbred steers fed Actisaf®. Texas A&M University System, Amarillo. 1999 Plains Nutrition Council Spring Conference, Publication No. AREC 99-9, Texas A&M Research and Extension Center, Amarillo. Page 94. [Feed with a higher sugar content (starch and glucids > 60%) and low fibre content (< 10%).

<sup>3</sup> Marden et al., 2008. How does live yeast differ from sodium bicarbonate to stabilize ruminal pH. J. Dairy Sci.;91: 3528-3535.

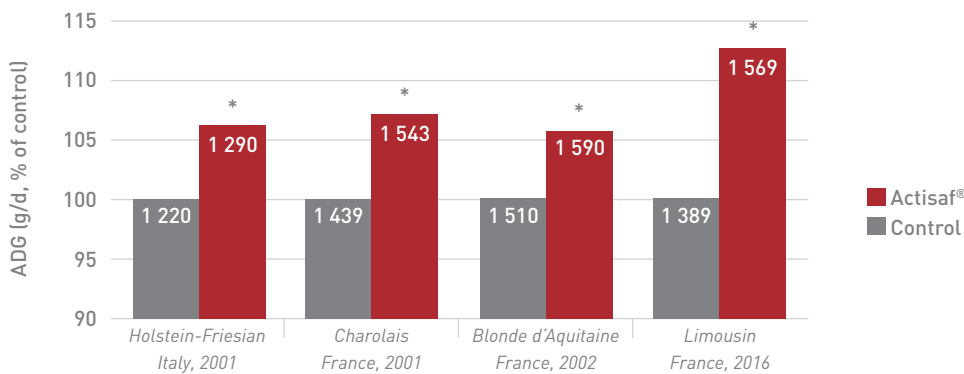
<sup>4</sup> Effect of Actisaf® on the rumen flora, 1999. University of Missouri, USA [in vitro study].

## Better growth & Reduced feed costs

Numerous field trials, carried out with various breeds, have demonstrated a consistent improvement in growth, and better utilisation of the diet, with Actisaf® in fattening beef cattle.

### ↑ Growth performance

Effect of Actisaf® on Average Daily Gain (ADG) in fattening beef cattle.

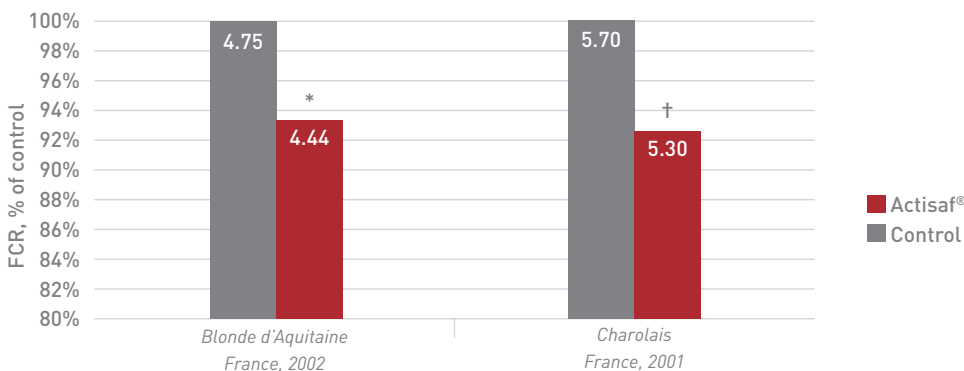


\* p < 0.05

Actisaf®  
increases ADG  
by **5 - 13%**<sup>a</sup>

### ↑ Feed efficiency

Effect of Actisaf® on Feed Conversion Ratio (FCR) in fattening beef cattle.



\* p < 0.05 † p < 0.01

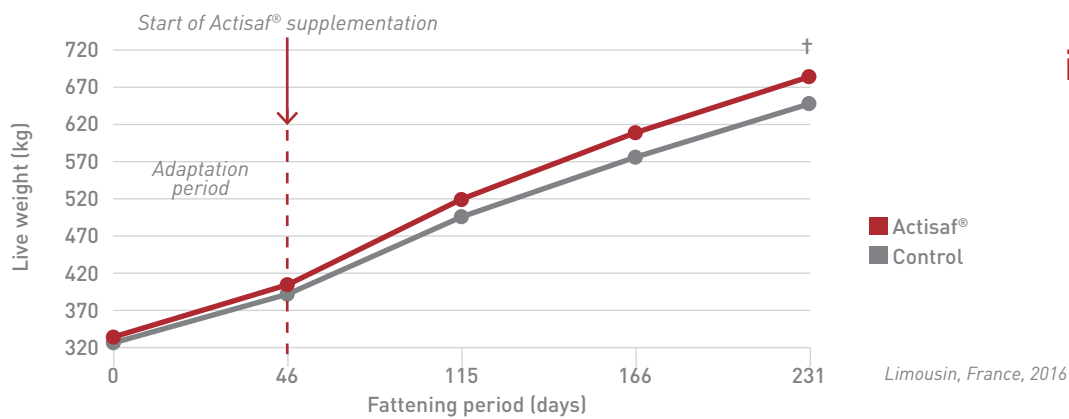
Actisaf®  
improves FCR  
by **7%**

## Heavier weight & Shorter fattening period

Actisaf® increases live weight gain in beef cattle throughout the fattening period. This accelerated weight gain usually enables animals to reach target body weight sooner, resulting in valuable cost savings for the farmer.

### ↑ Live weight gain

Effect of Actisaf® on beef cattle live weight during the fattening period.

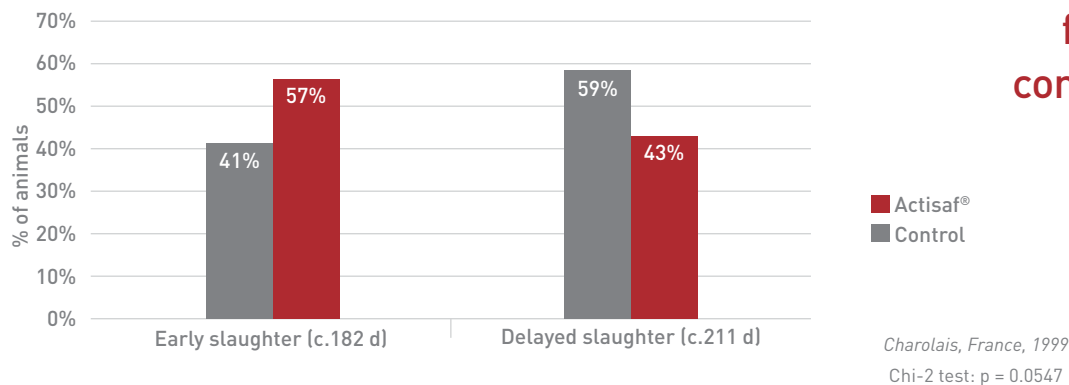


Actisaf® increases live weight gain by **6%** in 6 months

† p < 0.1

### ↓ Duration of fattening period

Effect of Actisaf® on the percentage of animals slaughtered at an earlier or later stage.



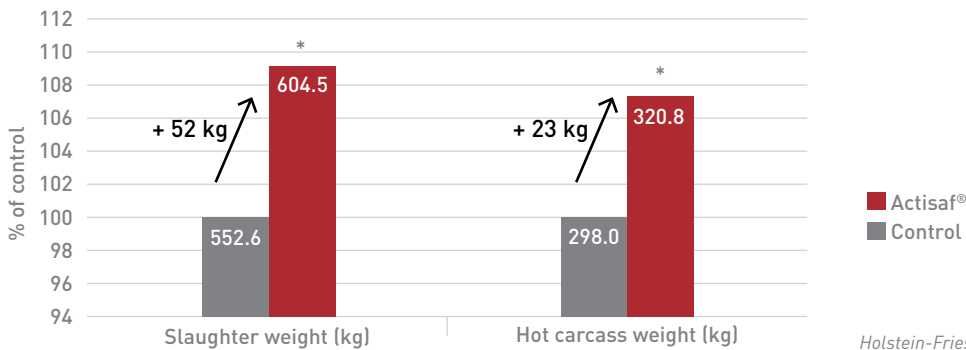
Actisaf® shortens the fattening period: **57%** early slaughter for Actisaf®, compared to 41% for control

## Increased meat production & Better carcass quality

Actisaf® also increases meat production and carcass quality, improving carcass conformation at slaughter.

### ↑ Meat production

Effect of Actisaf® on slaughter weight and hot carcass weight.



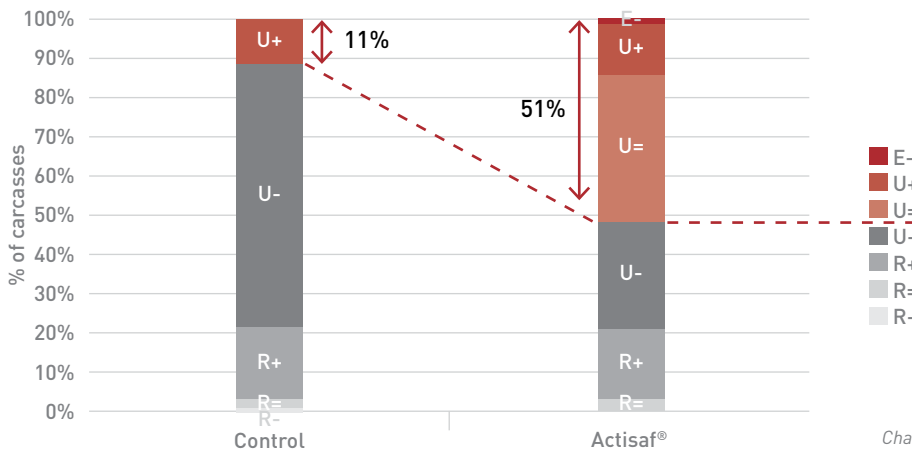
Holstein-Friesian, Italy, 2001

\* p < 0.05

Actisaf® improves weight at slaughter by **9%**

### ↑ Carcass quality

Effect of Actisaf® on beef carcass conformation according to the EUROP grading scale.



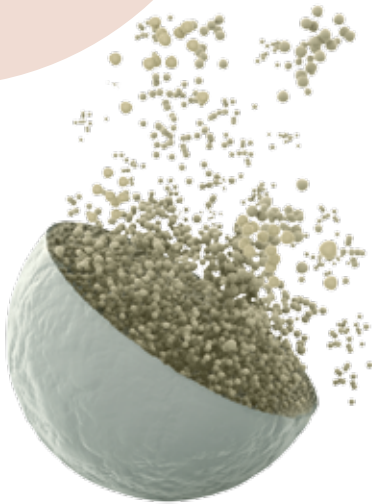
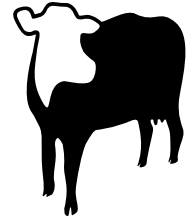
Charolais, France, 1999

Chi-2 test: p = 0.0001

With Actisaf®: 5-fold increase in very good and excellent carcasses above U=

# ActiSaf

A concentrate of generosity



- ↑ Growth & ↓ Feed costs
- ↑ Live weight & ↓ Fattening period
- ↑ Meat production & ↑ Carcass quality

**8:1 Return On Investment<sup>b</sup>**

## Recommended intake

Cattle for fattening

2 - 6 g/head/day  
≈ 1 g / 100 kg live weight\*

\*Minimum dose european registration:  $4 \times 10^9$  CFU/kg of complete feed (with a moisture of 12 %)  
1g of Actisaf® =  $10^{10}$  CFU

For any questions, please contact your local sales representative.



<sup>b</sup> ROI calculated from a Limousin trial in France, 2016

137, rue Gabriel Péri – BP 3029  
59703 Marcq-en-Baroeul - France  
Tel. : +33 320 81 61 00 – Fax : +33 320 99 94 82

info@phileo.lesaffre.com

 **Phileo**  
LESAFFRE ANIMAL CARE