



ActiSaf

A concentrate of generosity



Actisaf[®]

Improving fattening lamb performance

Proven effects on zootechnical performance

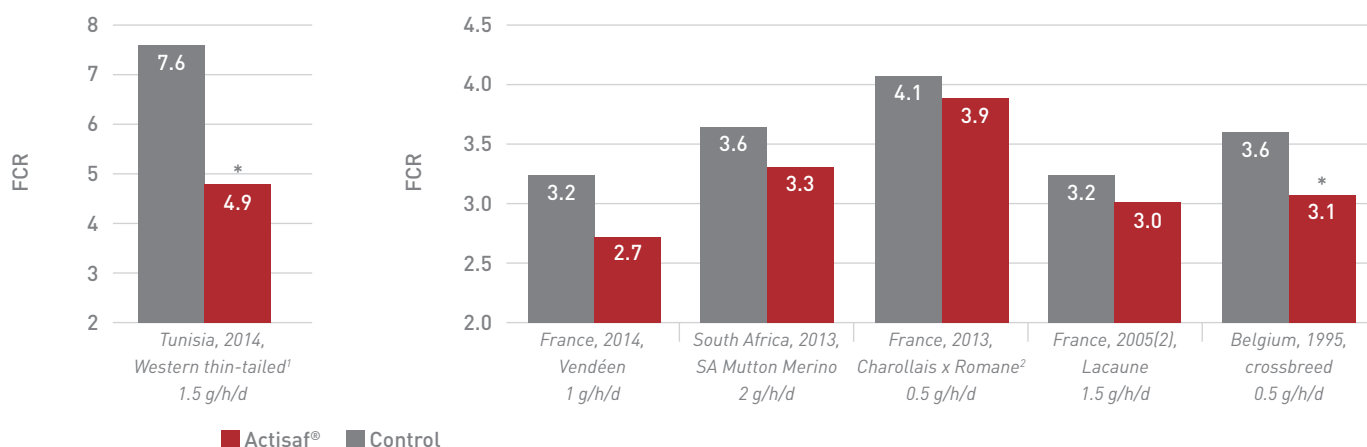
Comparative studies, conducted under controlled conditions, have proven the effect of Actisaf® on feed assimilation and daily weight gain, both in restricted feeding and *ad libitum* systems.

Numerous field trials, conducted in different regions and with various breeds, have confirmed a consistent improvement in feed efficiency and growth in fattening lambs.

↑ Feed efficiency

Actisaf® improves FCR by **14%**

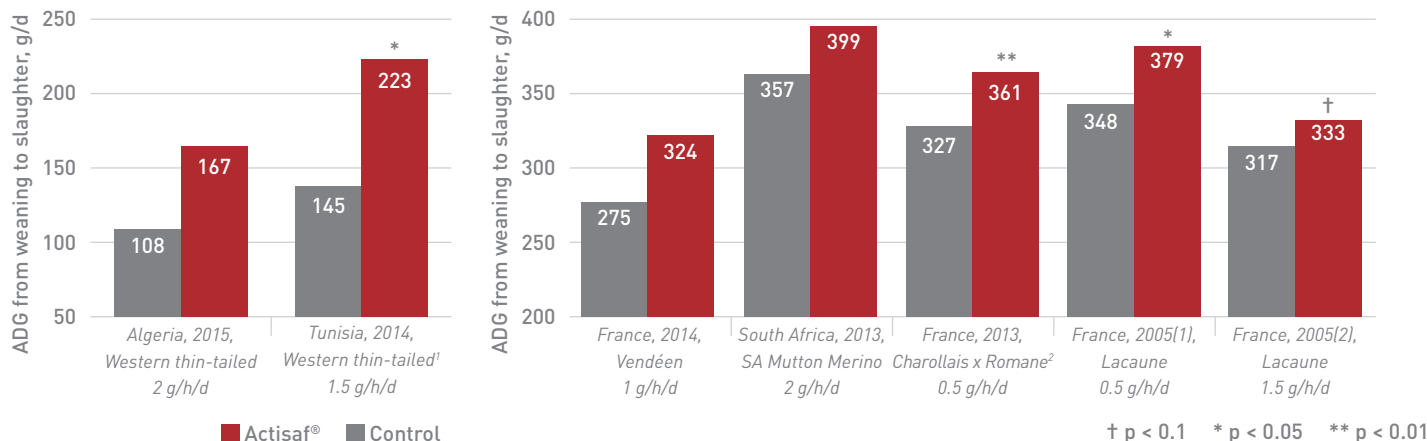
Effect of Actisaf® on Feed Conversion Ratio (FCR) in fattening lambs.



↑ Growth performance

Actisaf® increases ADG by **23%**

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



1- MAAMOURI O., JEMMALI B., BADRI I., SELMI H., ROUISSI H., 2014, « Effects of yeast (*Saccharomyces cerevisiae*) feed supplement on growth performances in « Queue fine de l'Ouest » lambs ». *Journal of New Sciences* Volume 8(1). Published August, 01, 2014.
 2- BIJJA M., DUCOURTIEUX C., JULIEN C., 2013, « Effets de l'addition de produits à base de levures sur les performances zootechniques d'agneaux à l'engraissement ». *Journées 3R*, December 3-4, 2014, Paris, France.



Modes of action on the rumen ecosystem

Actisaf® is a probiotic live yeast that optimizes the rumen environment, supporting the fiber-fermenting and lactate-utilizing bacteria. This improves fiber digestion, lowers lactic acid levels and consequently raises pH, reducing the risk of acidosis.

1



Balanced microflora

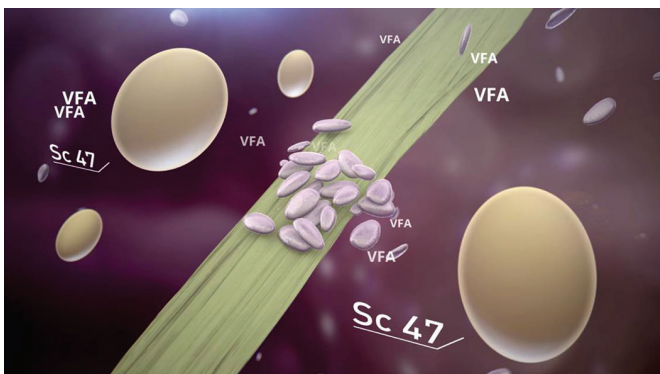
↑ Fibrolytic bacteria

2

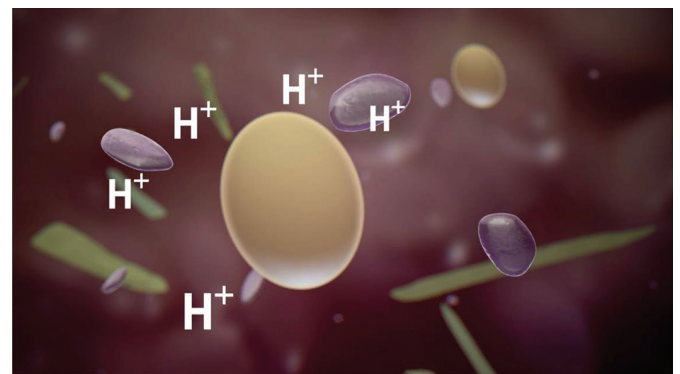


Increased pH

↑ Lactate-utilizing bacteria



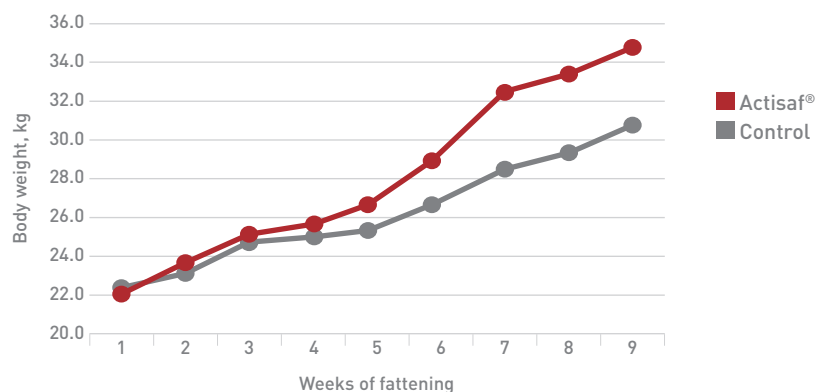
↑ Fiber digestibility



↓ Risk of acidosis



Higher yield & better growth



Tunisia, 2014, Western thin-tailed
1.5 g/h/d

Faster and stronger growth

Actisaf® can improve feed efficiency and growth increasingly as the supplementation period progresses, or it can reduce the time taken to reach target slaughter weight. This is dependent on the particular fattening regime.

↑ Benefit during fattening period

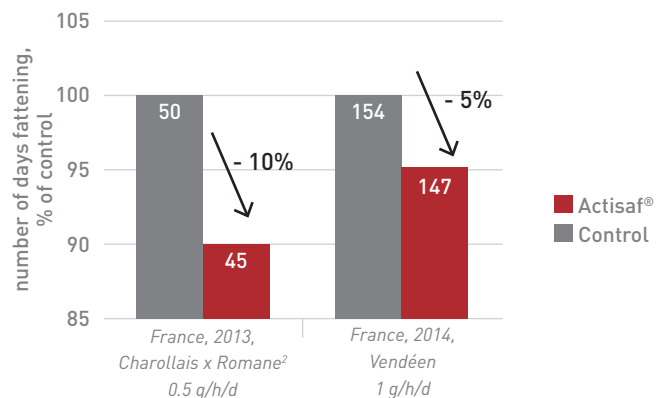
Effect of Actisaf® vs. Control on ADG and FCR in lambs fattened for 2 different periods.

Duration of fattening	ADG	FCR
33 days	+ 6.52%	- 6.76%
53 days	+ 11.76%	- 9.09%

South Africa, 2013, SA Mutton Merino
2 g/h/d

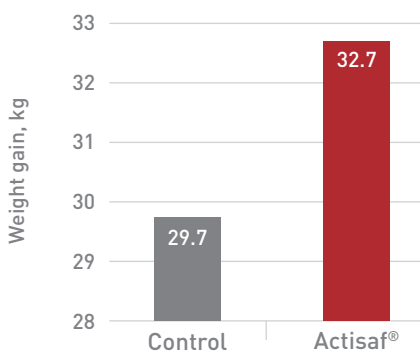
↓ Duration of fattening period

Effect of Actisaf® on the time taken to reach target body weight.



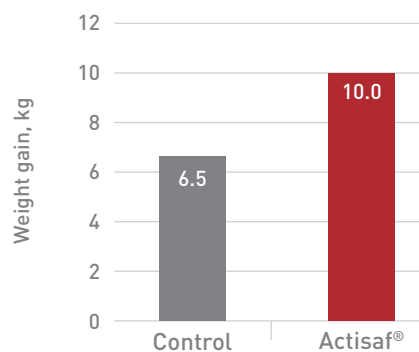
↑ Live weight gain and height gain at slaughter

+ 3 kg in 110 days



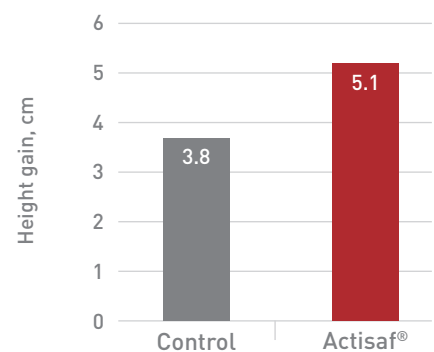
France, 2014, Vendéen
1 g/h/d

+ 3.5 kg in 60 days



Algeria, 2015, Western thin-tailed
2 g/h/d

+ 1.3 cm in 60 days



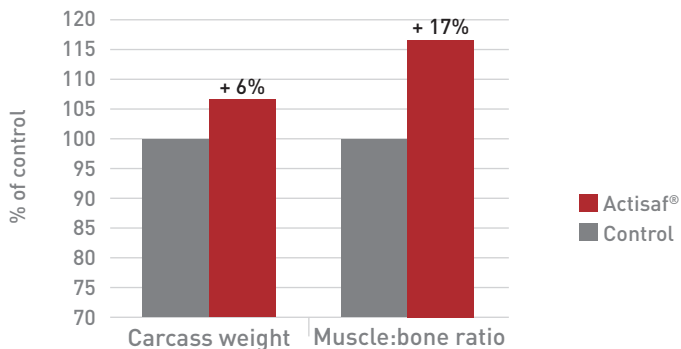
Algeria, 2015, Western thin-tailed
2 g/h/d

Improved carcass yield and quality

Actisaf® also increases carcass yield, conformation and fat cover by increasing lamb growth over the whole fattening period.

↑ Carcass weight

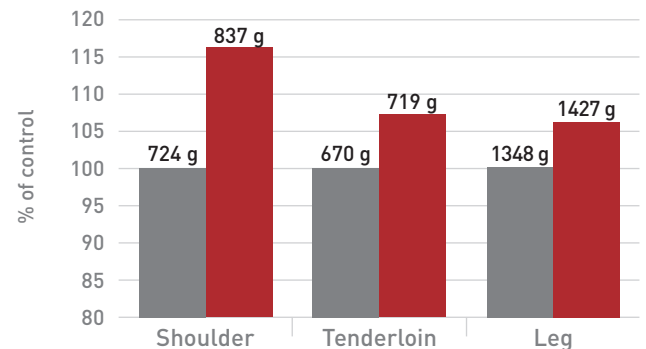
Effect of Actisaf® on carcass weight and muscle: bone ratio.



Tunisia, 2005, Sicilo-Sarde
2 g/h/d

↑ Value of prime cuts

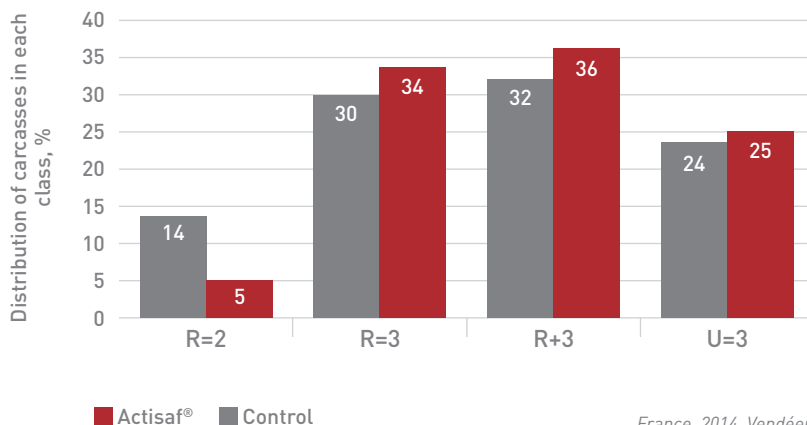
Effect of Actisaf® on carcass development.



Tunisia, 2005, Sicilo-Sarde
2 g/h/d

↑ Carcass quality

Effect of Actisaf® on lamb carcass according to the EUROP grading scale:
≥ 95 % of good or very good carcass conformation with average fat cover

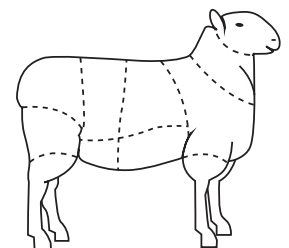


France, 2014, Vendéen
1 g/h/d

Carcass conformation:

E = Excellent
U = Very good
R = Good
O = Fair
P = Very poor

+ / = / - correspond to subdivisions into thirds of the carcass conformation class

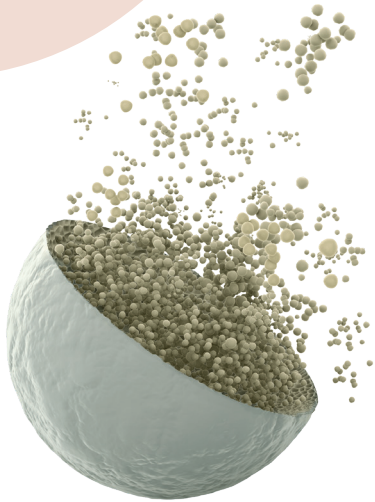
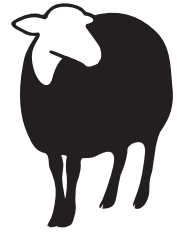


Fat cover:

1 = low
2 = slight
3 = average
4 = high
5 = very high

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- ↑ Growth performance
 - ↑ Feed efficiency
 - ↓ Duration of fattening period
 - ↑ Carcass yield and quality
-
- 3:1 Return On Investment*

Recommended intake in extensive or intensive rearing

Fattening lambs

0.5 – 2 g/head/day

For any questions, please contact your local sales representative.



* ROI calculated on South African trial, 2013, SA Mutton Merino

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**
by Lesaffre