



Economic benefits in pelleted feed production

- » Increased pellet output
- » Increased moisture retention
- » Environmental impact reduction

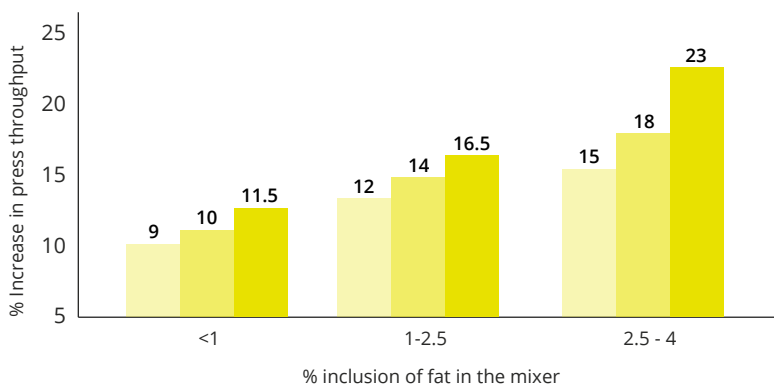


Increased pelleted feed production with economic and environmental benefits

SURF·ACE is a liquid preservative premixture with multiple economic and environmental benefits to the customer. Through the retention of SURF·ACE during the production of pelleted feed, the application exerts an emulsifier action.

This increases pellet output, improves conditioning, enhances the durability of the pelleted feed, reduces the formation of fines, and improves the overall quality of the final feed product. Additionally, it decreases the costs of feed production mostly through energy savings and environmental improvements while assuring the microbiological quality of the feed.

Increase in press throughput



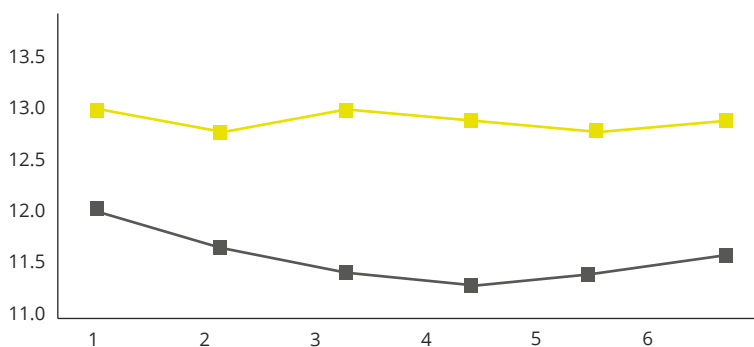
Increase in press throughput (t/h) under identical Amp consumption in different feed mills.

- 1% hydrating solution
- 1.5% hydrating solution
- 2% hydrating solution

Values are average obtained from more than 40 factories (range of production from 5 to 20 t/h).

*high inclusion of hydrating solution in high-fat diets might adversely affect the durability values of the feed

Improved process loss management

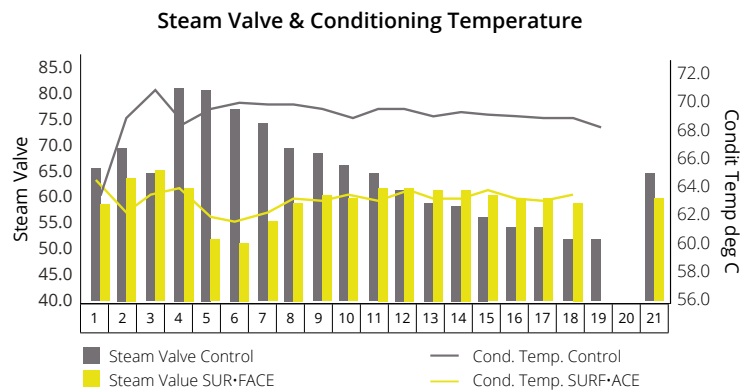
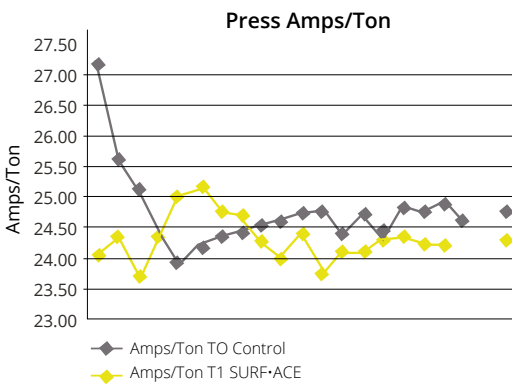


Depending on the feed being treated, **up to 90% hydrating solution** is usually retained in the finished feed.

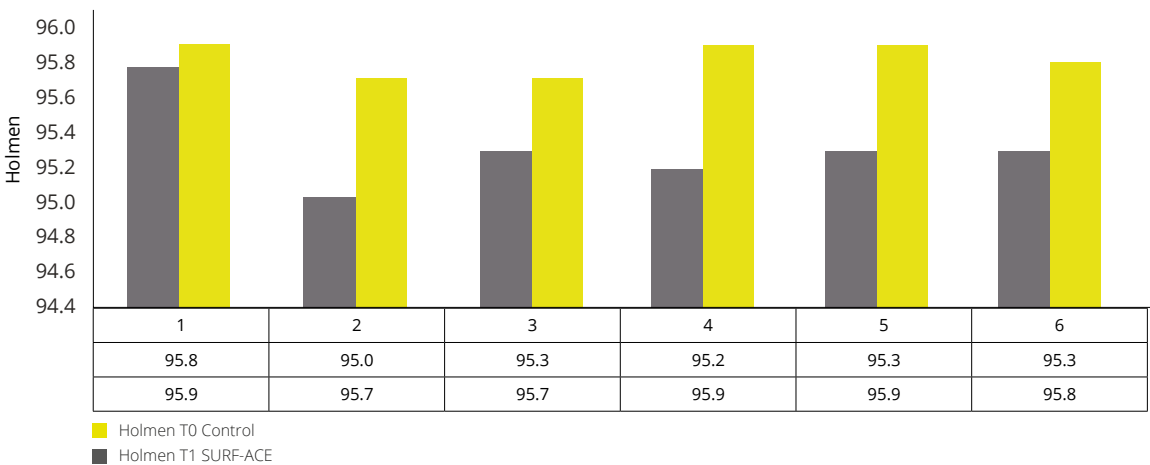
- Moisture T1 SURF-ACE
- Moisture TO Control

Economic and environmental benefits in feed production

Improved press power consumption and steam usage



Better Product Quality (Holmen)



SURF-ACE improves pellet quality (Holmen), reducing the fines to be reprocessed

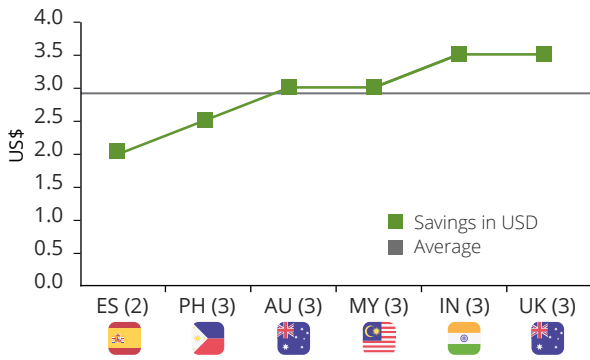
Substantial cost savings in the feed mill

Average improvement

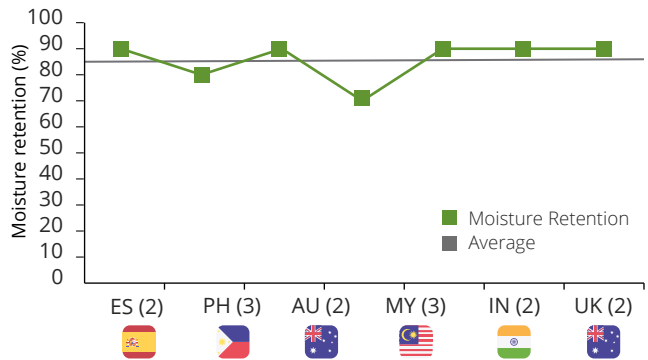
- » Energy saving 12.5%
- » Tons per hour 14.0%
- » PDI 4.5 points
- » Moisture retention 84%
- » Mould counts control (no water)
- » Savings in USD \$2.90 per MT

Savings in USD Per Ton of Feed Average \$2.90

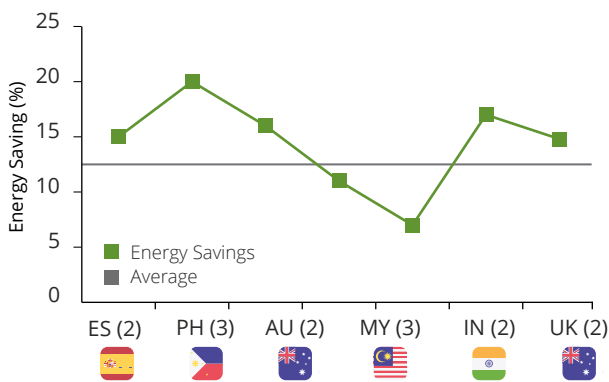
(Not including additional savings on throughput)



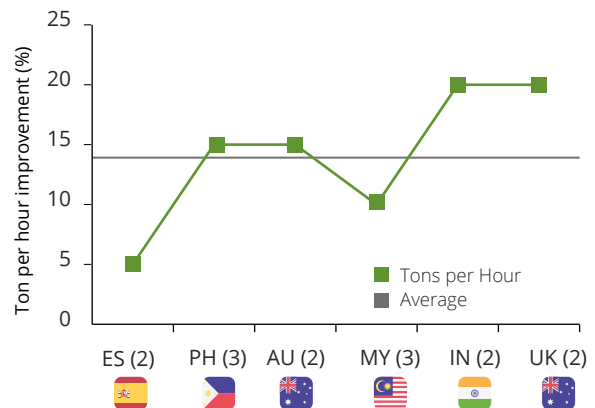
Moisture Retention Above 84%



Energy Savings Average 14%



Ton Per Hour Improvement 14%



Your Benefits

SURF•ACE offers a sustainable range of economic and environmental benefits to the feed producer, which can be used to optimize feed production and product quality.