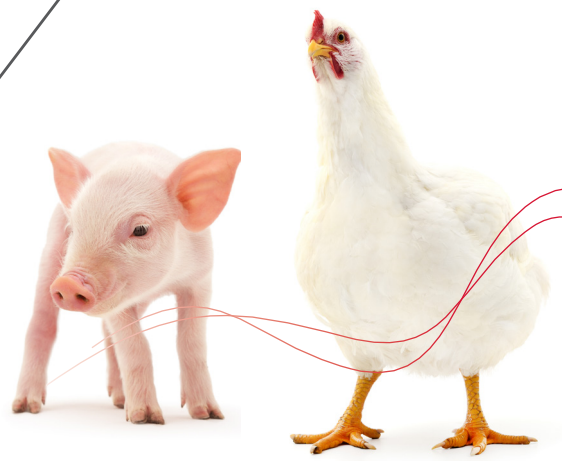


MAXFERM

BREAKING UP FIBER MATRIX



MAXFERM is a dried fungal fermentation product produced by fermentation of a plant substrate with fungi to increase nutrient digestibility and animal performance. MAXFERM contains residual enzymatic activity to degrade non-starch polysaccharides (NSP) and to release other nutrients bound in the fiber matrix.

IMPROVES NUTRITIONAL VALUE

Improved feed conversion and the selective use of cereal types or co-products containing high amounts of non-starch polysaccharides (NSP) are key factors to reduce feed costs. However, monogastric animals do not produce endogenous enzymes to break down NSP. Supplementing animal feed with MAXFERM minimizes the adverse effects of NSP and increases the digestibility of nutrients. Furthermore, *in vitro* results showed that MAXFERM has a faster wound healing effect strengthening gut integrity.



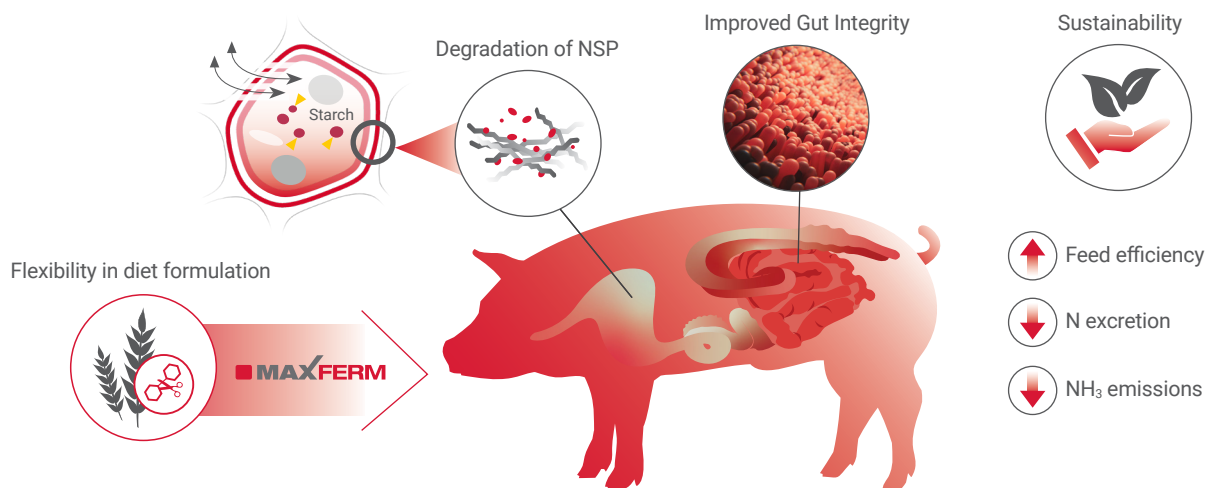
CHARACTERISTICS

- Postbiotic effect
- Degradation of NSP
- Environmental friendly

APPLICATION BENEFITS

- Flexibility in diet formulation
- Matrix values upon request
- Reduced nutrient excretion

F1: Mode of action of MAXFERM.



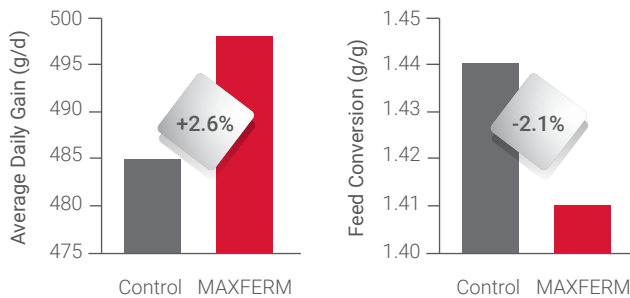
IMPROVED PERFORMANCE IN PIGS

Animals: Exp. 1: Piglets (n=120), weaned at 25 d of age
 Exp. 2: Grower-finisher (n=200; DanBred x Piétrain); 40-d trial; 2-phase feeding

Treatments: Exp. 1 and 2: (1) Control; (2) Control + MAXFERM (200 ppm)



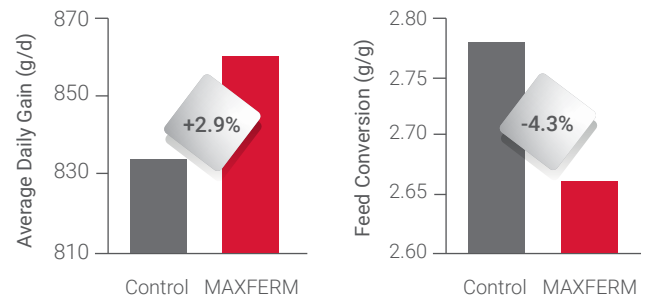
F3: Performance of weaning piglets (Exp. 1).



Source: LVA Futterkamp, 2012.



F4: Performance of grower-finisher pigs (Exp. 2).



Source: ISF, 2014.

For Exp. 1 and Exp. 2, average daily gain was numerically greater for MAXFERM than Control. The feed conversion ratio was numerically lower for MAXFERM than Control for both trials. **MAXFERM improved performance in piglets and in grower-finisher pigs.**

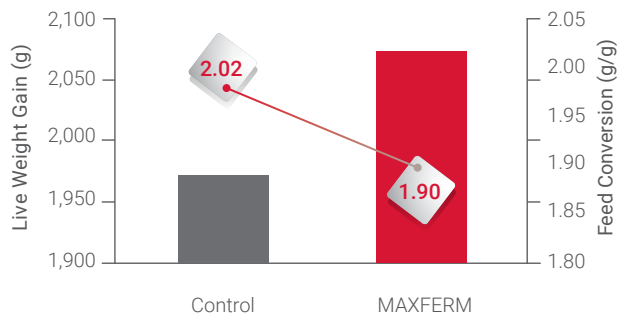
IMPROVED PERFORMANCE IN BROILER

Animals: Broiler (n=150; Ross 308); 36-d trial

Treatments: Exp. 1 and Exp. 2: Control; (2) MAXFERM (200 ppm)



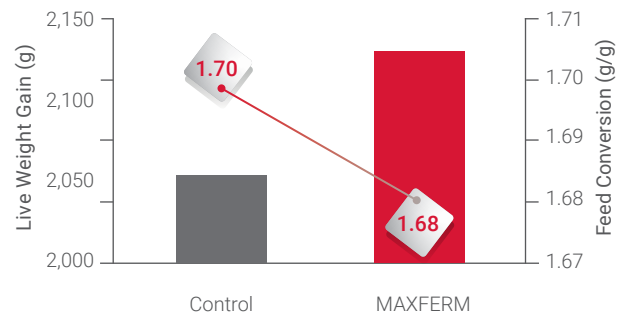
F5: Performance of broiler (Exp. 1).



Source: ISF, 2010.



F6: Performance of broiler (Exp. 2).



Source: ISF, 2010.

In Exp. 1 and Exp. 2, live weight gain was numerically greater for MAXFERM compared to Control. The feed conversion ratio was numerically lower for MAXFERM compared to Control for both trials. **MAXFERM improves the performance of broiler.**