milkiwean®
TOTAL PIGLET PERFORMANCE



MILKIWEAN VITAL START PROGRAMME

Protecting pig health and business profitability

trouw nutrition
a Nutreco company



PROTECTING PIG HEALTH AND BUSINESS PROFITABILITY



Today's complex swine market demands new ways of doing things. Tighter legislative frameworks, volatile prices and new consumer lifestyles require businesses to think differently, hone their approach and focus on what's truly important. But, in an environment where everything changes at an incredible pace, one factor remains constant: animal health.

> **Healthy livestock provide the gateway to an efficient and profitable operation, for business success in pig production hinges on the fact that a healthy pig will always be the most high-performing.**

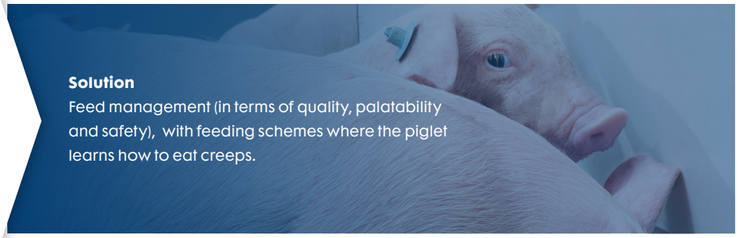
Keeping pigs healthy, however, is no easy task. Production goes hand in hand with challenges, risks and uncertainties, intensified by growing regulatory pressures. Luckily, by tapping into the latest scientific advances and data-driven technologies, swine operations can not only safeguard the health of their animals, performance, and profits, but also enhance them.

Grounded on the principle that the confluence of feed-, farm- and health-management is paramount in achieving the best on-farm health status, Trouw Nutrition has developed a feeding programme to support the nutritional side of the equation. Milkiwean Vital Start is based on the latest scientific insights into digestive physiology and functional nutrition. The feeding programme protects piglets' digestive health by tackling specific weanling-related challenges, and in turn supports the wider on-farm performance and profitability of your business.

HOW DOES MILKIWEAN VITAL START WORK?

At weaning, the piglet needs to overcome some very specific challenges. Examples of how to deal with these challenges are provided here.

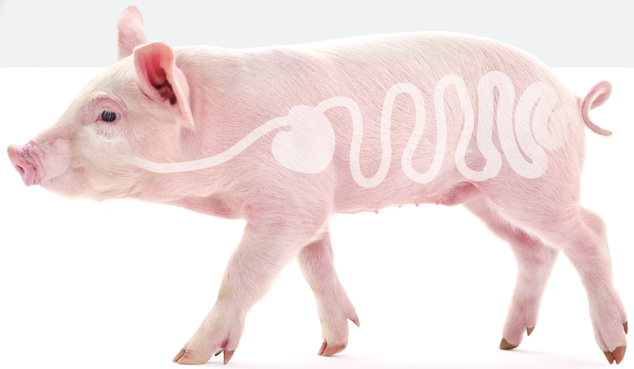
Challenge
Disturbed feed intake patterns.



Solution
Feed management (in terms of quality, palatability and safety), with feeding schemes where the piglet learns how to eat creeps.

Challenge
An immature gastrointestinal tract (lower surface area, lower enzymes, disturbed stomach acidification, inconsistent gut transit time).

Solution
Feed composition that takes these immaturities into account. Combining easily digestible nutrients steered via Kinetio technology with acidifiers and feed buffering capacity that avoid overloading the stomach. Feed safety (low mycotoxin levels) and ingredient quality (low levels of contaminants and anti-nutritional factors) are also important.

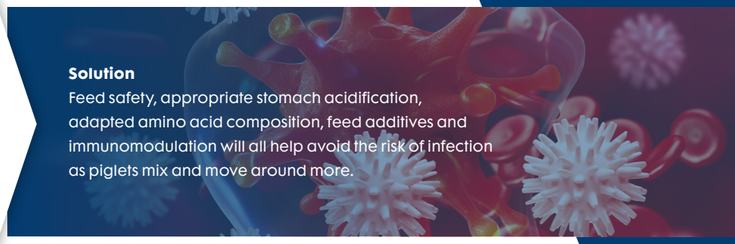


Challenge
Microflora disturbance, dysbiosis, pathogenic overgrowth.



Solution
Efficient digestion and feed intake, supported by a feed additive package to keep disturbances under control and by the use of fibre to manage microflora and steer gut transit time via Kinetio technology.

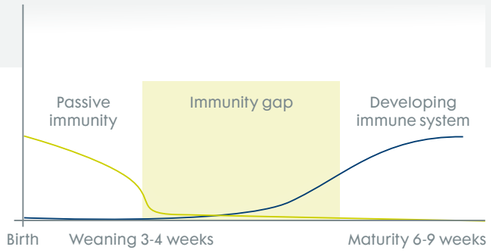
Challenge
Changes in environment and infection pressures, leading to greater immune activity.



Solution
Feed safety, appropriate stomach acidification, adapted amino acid composition, feed additives and immunomodulation will all help avoid the risk of infection as piglets mix and move around more.

Challenge
An immunity gap before immunity training is complete.

Solution
Supporting the immune system, minimising the piglet's digestion workload via Kinetio technology and avoiding disturbances in the hindgut and microflora.



FIVE DRIVERS OF DIGESTIVE HEALTH

Milkiwean Vital Start is an effective tool for any farm looking to improve the gut health status of its herd. The programme focuses on five key drivers of digestive health:



The Milkiwean Vital Start feeding programme has been proven to help:

- Reduce the incidence of diarrhoea
- Reduce mortality rates during the nursery period
- Deliver high performance and profitability



Note: Trials were conducted in different climates, production systems and farm conditions all over the world. See the trial report summaries attached.



ASK YOUR TROUW NUTRITION REPRESENTATIVE HOW MILKIWEAN VITAL START CAN IMPROVE YOUR SWINE PRODUCTION AND DELIVER LIFELONG PERFORMANCE IN PIGS

trouw nutrition
a Nutreco company