



Capturing
nature's power

Enhancing performance and
productivity, naturally

Weanex NEO



THE SENSE OF SMELL, PALATABILITY AND INTAKE IMPROVEMENT AT EARLY AGES

The sense of smell is early developed in piglets, as they are very active animals since their birth. Learning chemical signals, like the smell of the mother, helps them to recognize their own position and the nipple. Similarly, Morrow-Tesch and McGlone (1990) showed that piglets prefer fecal odors from sows and do not feel attracted to new smells. This is to say, food-related odors are important and are used to improve the palatability of feed.

In the pig genome, there is a very high number of olfactory receptor gene duplications. It has been detected 1301 functional genes for these receptors. This figure is much higher when compared to the equivalent genes sequenced in other mammals, as for example 350 in humans, which could explain the high olfactory capacity of the swine species.

On the other hand, Boyd et al. (1995) estimated that lactating sows need to produce at least 18 kg of milk per day to meet the energy requirements of a litter of 10 pigs of 21 days, which is greater than the typical production of 10 to 12 kg of milk currently produced by the sows. Therefore, milk production can limit the growth of piglets as breastfeeding progresses. Hence, one of the most popular methods is to provide a creep feeding and other specific solutions to encourage feed intake of piglets during the post-weaning stages.

ENCOURAGING FEED CONSUMPTION FROM THE FIRST WEEK OF LIFE

The **Weanex**® product range is the only intake promoter based on the volatile components present in the placenta, colostrum and sow's milk. **Weanex**® was created to meet the requirements of animals in their earliest stage of life, specifically during the transition from liquid food (breast milk) to solid feed minimizing neophobia impact. This is a turning point in the growth of the animal, due to a decrease in feed consumption and the digestive pathologies inherent to this growing stage. The objective of **Weanex**® is to encourage voluntary consumption starting from the first week of life, to homogenize the litter, and to alleviate problems after weaning.

Weanex® NEO product range includes NHDC (Neohesperidin dihydrochalcone) which has a masking effect (unpalatable ingredients and medicated feed) allowing to reduce existing sweeteners in creep feed and pre-starter formulations optimizing costs.

The **Weanex**® NEO range is designed to be added to the milk replacer, creep feed and pre-starter.

Farrowing

Lactation



Creep feed

Weanex® NEO PLAC

Weaning

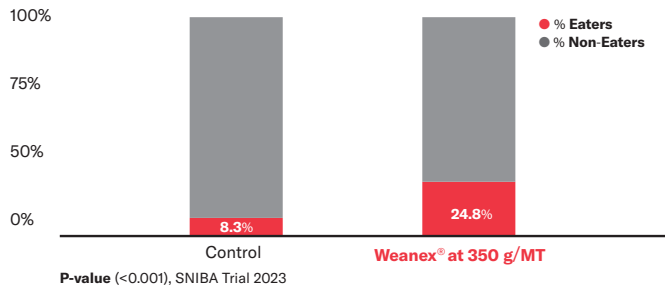
Nursery



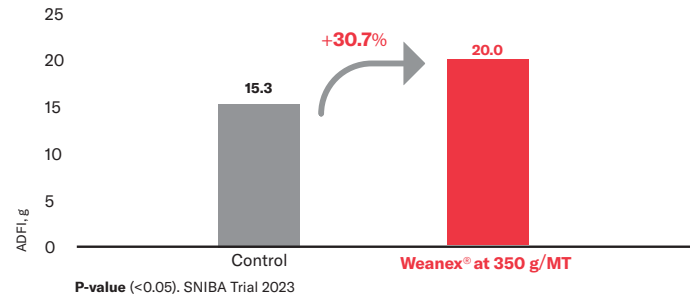
Pre-starter

Weanex® NEO PRO

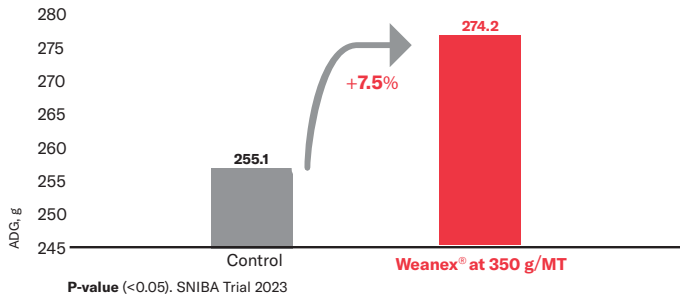
% eaters from 7 to 28 days of life



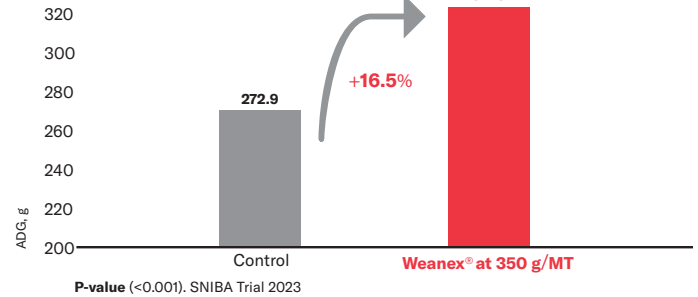
Piglets fed Weanex® increase more than 30% Average Daily Feed Intake (ADFI, g) from 7 to 28 days of life



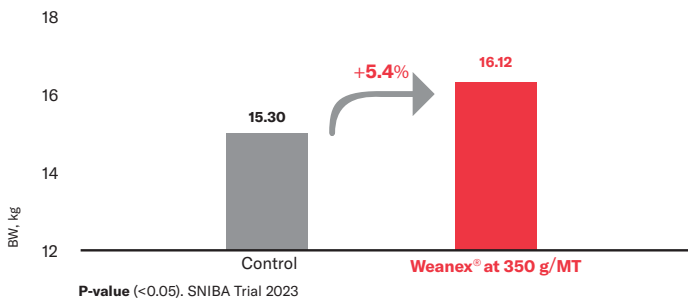
Piglets fed Weanex® increase Average Daily Gain (ADG, g) at 35 days Post Weaning (PW)



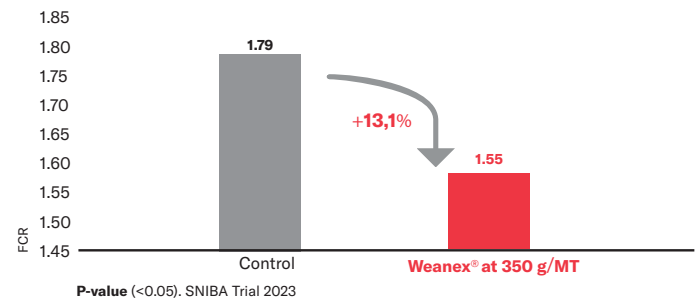
Piglets fed Weanex increase more than 16% Average Daily Gain (ADG, g) from 15 to 35 days PW



Piglets fed Weanex increase more than 5% Body Weight (BW, kg) at 35 days PW



Piglets fed Weanex® show a better Feed Conversion Rate (FCR) from 15 to 35 days PW



Weanex® NEO PLAC is a formulation with patent submission based on free of animal-derived volatile compounds detected in the sow's placenta, which makes **Weanex® NEO PLAC** the ideal option to promote voluntary consumption of feed during first days of life.



Weanex® NEO PRO is a patented formula with a high number of free of animal-derived volatile compounds naturally present in the colostrum and sow's milk. Added to pre-starter, **Weanex® NEO PRO** makes the feed more palatable and attractive to the piglet.

Using Weanex® range we can achieve:

- Increase of 17 points creep feed eaters (24.8% vs 8.3%)
- Increase over 30% of voluntary creep feed consumption.
- 7.5% significant improvement of the ADG at 35 days PW.
- 16.5% significant enhancement in ADG during the starter period
- Over 5% rise in Body Weight by the end of the nursery period
- 13% improvement in FCR during the starter period
- 11.3% mortality reduction at weaning.

HTBA is a world leader in natural flavonoids and B12 forms that creates a measurable impact on well-being through the power of nature.

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