



Livelle™ sow programme

Provimi's solution for optimal sow performance

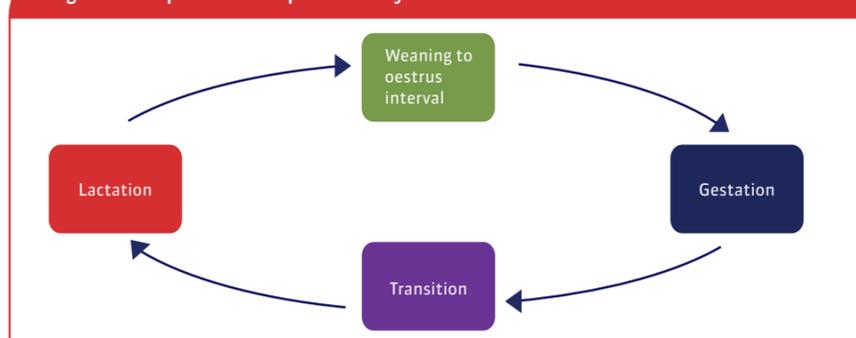
”Nutritional support to unlock the genetic potential of sows and piglets”

Livelle™ Provimi’s solution for optimal sow performance

During the past decade sow production has increased dramatically. In Western Europe the top 10 producing farms wean more than 35 piglets per sow, per year. As would be expected, sows on these farms require optimal nutrition as well as optimal management. With regard to nutrition, this means specialised diets that support the sow during every part of her production cycle.

The productive cycle of sows can be divided into four distinctive phases: 1) Weaning to insemination interval, 2) Gestation, 3) Transition, i.e. end gestation and early lactation, 4) Lactation (Figure 1). During each of these phases sows have specific nutritional needs. Highly prolific sows in particular demand specialized diets for each phase.

Figure 1: Four phases of sow production cycle



The effect of increased productivity

History has shown that as production increased, the 1-phase gestation and lactation diet was replaced by a separate diet for gestation and lactation, i.e. a 2-phase diet. In order to increase litter size even more, flushing during the weaning-to-estrus interval became common practice on almost every sow farm, i.e. a 3-phase diet. A more recent development is the division of the lactation diet into a start-lactation and finish-lactation diet (Figure 1). This division is made to optimise piglet vitality and colostrum production during the transition period, and maximise the milk yield and piglet growth in the lactation period.

The Livelle™ programme

The Livelle™ programme is a complete sow programme with different concepts, specialties and products. Livelle™ can be tailored to farm-specific circumstances, i.e. production levels, sow breed and available raw materials. Table 1 shows the technical performance of a sow farm which has been using the Livelle™ sow concept for several years.

The Livelle™ programme focuses on highly specified premixes and concentrates which are aligned to optimise sow production. In addition, proven specialties and additives are added to supplement the premixes, thereby increasing productivity even further.

Table 1: Results of a Dutch farmer using the Livelle™ sow programme

	2007	2009	2011	2013
Weaned/sow/year	30.0	32.0	33.8	34.3
Delivered/sow/year	29.5	31.3	33.0	33.0

Source: Provimi Cargill research

In addition to nutritional solutions, the Livelle™ sow programme also comprises several management techniques to positively affect sow performance. A strong focus point of the Livelle™ sow programme is utilising knowledge of sow body condition to increase sow longevity and allow farmers to feed according to the nutrient needs of the sow. In order to successfully gather this information, we offer a back fat analysis tool which gives insight into the condition development within your herd, and offers the opportunity to take appropriate action when necessary.

Besides the above mentioned phases, gilt rearing and management are also important pillars to maximise sow performance. Your Provimi consultant can advise you on a gilt rearing programme that fits the Livelle™ sow programme.

The sow specialties featured in Livelle™ are:

- **Provilyt:** to enhance liver metabolism and function and support energy metabolism during transition and throughout the lactation period.
- **Profert:** a unique fertility product to stimulate reproductive performance. Profert helps to stimulate oocyte development, oocyte quality and embryonic survival around ovulation.
- **Proviflush:** an antioxidant, vitamin and mineral blend to support sows during the more stressful periods of the year, i.e. moulting period and summer. Proviflush supports embryonic development and gives your sows the extra boost when they need it.

