Improving piglet livability
Livelle and Neopigg® RescueCare programs have been developed to help to achieve the potential of the swine unit through improved piglet livability. They target three key periods in the breeding cycle.

**Livelle**
- **Product**: Livelle™
- **Critical period**: Sows from weaning until oestrus
- **Product features**:
  - Glucogenic components stimulate reproductive hormones and embryo quality
  - Essential micronutrients stimulating embryo development
- **Benefits**:
  - Embryo quality
  - Piglet uniformity
  - Piglet vitality

**Neopigg® RescueCare**
- **Product**: Neopigg® RescueMilk
- **Critical period**: Piglets from birth until four weeks of age
- **Product features**:
  - Automated liquid feeding system, easy mixing and cleaning.
  - Specially formulated milk replacer, which meets the piglet’s protein and energy requirements and stimulates the development of the digestive system
  - Unique liquid prestarter to stimulate feed intake and prepare piglets for weaning
- **Benefits**:
  - Feed intake
  - Growth rate
  - Gut conditioning pre-weaning

Improving sow performance
Livelle and Neopigg® RescueCare programs have been developed to help to achieve the potential of the swine unit through improved sow performance. They target three key periods in the breeding cycle.

**Livelle™ Transition**
- **Product**: Livelle™ Transition
- **Critical period**: Sows entering the farrowing house until the start of lactation
- **Product features**:
  - Glucogenic components stimulate reproductive hormones and embryo quality
  - Essential micronutrients stimulating embryo development
  - Provilyt™ to stimulate the liver and enhance sow energy efficiency at birth and in early lactation
  - Rich supply of minerals and fermentable fibre to help sow comfort and lactation onset
- **Benefits**:
  - Embryo quality
  - Piglet uniformity
  - Piglet vitality

**Profert**
- **Product**: Profert W.O.I Farrowing
- **Critical period**: Gestation (*)
- **Product features**:
  - Glucogenic components stimulate reproductive hormones and embryo quality
  - Essential micronutrients stimulating embryo development
  - Proviox™, an essential micronutrient and feed additive, to support sow metabolism and foetus development
- **Benefits**:
  - Piglet vitality
  - Piglet weight

Livelle™ is a sow nutrition program designed to enhance sow health and performance in highly productive breeding herds.

Livelle™ transition is a sow nutrition program designed to enhance sow health and performance in highly productive breeding herds.

Neopigg® RescueCare is an automatic liquid feeding system designed to improve piglet performance from birth to weaning. It is particularly valuable in large litters.

Piglet Livability
Giving piglets the best start in life

Provimi™ is a brand of Cargill®, a family-owned company with more than 150 years’ experience in developing food and feed ingredients. Cargill® develops result-oriented nutritional solutions and feeding programs, which help producers and their suppliers grow their business. Provimi™ concentrates feeds for ruminants, swine and poultry are produced under the Provimi™ brand as well as specialty feeds, such as piglet feeds, calf milk replacers and additives.
Improving swine farm efficiency

Sow productivity and piglet livability go hand in hand. They are key drivers for sustainable swine production.

Piglet livability and sow productivity

Two factors play a large role in determining farm efficiency: piglet livability and sow productivity. These have been the focus of new nutritional strategies developed by Cargill®.

- Piglet livability is the sow’s ability to rear more piglets to weaning.
- Sow productivity is determined by the number of piglets weaned per year.

Both are affected by litter size

Larger litters require new nutritional programs

Improvements in genetics, nutrition, herd health and the environment have contributed to larger litters globally. This has also brought challenges that can affect piglet livability: lower and less uniform piglet birthweights.

Adopting new programs can help the sow meet the nutritional demands of her litter and improve piglet and sow performance.

Improving piglet livability

Improvements in the management and nutrition of the sow and the piglet from birth to weaning will impact positively on piglet livability. Fewer stillbirths, through improved sow care, and a reduction in pre-weaning mortality will boost the piglet livability score.

Effect of Livelle™ Profert on piglet birth weight and livability

Livelle™ Profert has been shown to increase average piglet birth weight by 11.5% and piglet livability by 2.1%.

Source: Cargill research, CSIC 25L, USA, 2016

Effect of Livelle™ Transition on birth weight and livability

Livelle™ Transition has been shown to increase average piglet birth weight by 5.1% and piglet livability by 2.1%.

Source: Cargill research, December 2016

Nutritional programs for swine

Cargill® has focussed its research program on developing nutritional programs and products that can support the sow and the piglet from birth to weaning. The insights from the research provide a solid basis to work together with producers in:

- designing current farm performance
- creating a bespoke nutritional strategy
- implementing programs and monitor success.

Two specific programs have been developed:

Livelle™ program: Livelle™ Transition

Livelle Transition has been shown to increase average piglet birth weight and piglet livability.

- By 5.1% and piglet livability by 2.1%

Livelle™ Professor: Neopigg® RescueCare

Neopigg® RescueCare is an automatic liquid feeding system. It supplies fresh self-lib liquid feed, 24/7, to piglets in the farrowing crate, and has raised standards on many progressive units in the past decade.

Neopigg® RescueMilk 2.0 complements the sow’s milk and is followed by the liquid prestarter Neopigg® Smooth 2.0.

Cargill’s nutritional programs offer the latest advances in sow and piglet nutrition, along with on farm advice from its technical team. Success on farm can be measured in improvements in piglet livability and sow productivity. This leads to greater farm efficiency and a healthier business.