



DESCRIPTION SWINE RESEARCH

Swine facilities

- **Gestating sows unit:** Group housing, 2 dynamic groups of 300 sows with 4 individual feeding stations per group
- **Lactating sows unit:** 14 rooms with 8 sows per room. Pens equipped with storage feeder
- **Weaner unit:** 16 rooms with 10 pens per room and 6 piglets per pen
- **Growing-finishing pigs unit:**
 - Commercial unit: 12 rooms with 8 pens per room and 9 pigs per pen
 - Commercial unit: 18 rooms with 8 pens per room and 15 pigs per pen
 - Individual feeding stations: 5 rooms with 8 individual station per room and 10 pigs per pen
- **Faecal digestibility unit:** 48 individually growing pigs pens
- **Laboratory facility:** 36 metabolic units for piglets or 18 metabolic units for growing pigs and sows

Practical Research

- Individual feed intake
- Body weight and back-fat
- Individual feed intake.
- Faecal score
- Medical treatments
- Study parity effect

GESTATING SOWS

- Individual feed intake
- Body weight and back-fat
- Faecal score
- Piglets individual body weight at birth and weaning
- Creep feed consumption

LACTATING SOWS

Fundamental Research

- Follicle development
- Tolerance studies
- Faecal digestibility
- Microbial faecal and urine analysis
- Behaviour studies
- Blood analysis

- Faecal digestibility
- Behaviour studies
- Milk production and composition
- Microbial faecal and urine analysis
- Blood analysis
- Monitor farrowing process





Practical Research

- Individual body weight at weaning
- Feed intake, ADG, FCR and energy conversion
- Faecal score
- Medical treatments

PIGLETS

Fundamental Research

- Ileal and faecal digestibility
- Nitrogen retention tests
- Dose reponse experiments
- Bacterial challenges
- Blood and microbiota analysis
- Immune system challenges
- Preference experiments

- Body weight, feed intake, ADG, FCR and energy conversion per pen
- Carcass measurements
- Faecal score
- Medical treatments

GROWING PIGS

- Ileal and faecal digestibility
- Nitrogen retention tests
- Dose reponse experiments
- Interaction animal genetics and nutrition
- Bacterial challenges
- Individual feeding stations
- Behaviour studies



- Chemical analysis diets
- NIR analysis of diets and feedstuffs

LABORATORY ANALYSIS

- In-vitro digestibilities
- Gas chromatography analysis
- ELISA and microbiota analysis

