

General information

- **Commercial unit:** 12 rooms with 8 pens per room and 9 pigs per pen
18 rooms with 8 pens per room and 15 pigs per pen
- **Individual feeding stations:** 5 rooms with 8 individual stations per room and 10 pigs per pen
- Homogeneous groups of pigs: selection based on body weight, gender and genetics
- Type of experiments: comparative experiments on performance and carcass measurements
interaction between **diet and animal genetics or health**
dose-response experiments
registration and tolerance experiments (conform EU standards)
- Experiments performed with **2 to 8 treatment groups**
- Start of experiment around **25 kg** body weight, duration **up to slaughter (120 kg)** or shorter

Standard observations

- Individual or pen body weight, feed intake, ADG and FCR
- Individual carcass measurements
- Multiphase feeding as pelleted diets.
- Restricted or *ad libitum* feeding.
- Performance data given per phase.
- Accurate mixing of commercial and experimental produced diets to reduce costs.



Additional measurements

- Faecal scores
- Interaction diet and genetics or diet and behaviour
- Back fat scanning
- Blood samples
- Bone and body composition
- Water intake

Accuracy: LSD*

		Commercial unit	Individual feeding stations
Number of treatments		2-8	2-8
Number of replicates		10-12	20
Starter phase 25-50 kg	ADG (g/d)	40	30
	Feed intake (g/d)	70	50
	FCR	0.10	0.08
Overall 25-120 kg	ADG (g/d)	30	25
	Feed intake (g/d)	60	40
	FCR	0.07	0.06
Carcass measurements	Meat percentage (%)	0.60	0.50

*Reliable estimates (P<0.05) based on earlier performed experiments