

Amino acid requirements of growing-fattening pigs affected by sanitary status

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Do low sanitary status pigs need extra amino acids (methionine, tryptophan, threonine) in their diet compared with high sanitary status pigs?

Materials and methods

—> 612 pigs, complete growing-fattening period (17-110 kg)

Treatment set-up:

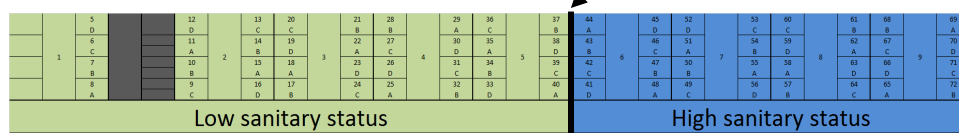
Low sanitary status		High sanitary status	
basal amino acid diet	supplemented amino acid diet (+20%)	basal amino acid diet	supplemented amino acid diet (+20%)

Conclusions

⇒ Extra dietary amino acids can be beneficial for pigs especially when housed in low sanitary status

⇒ This indicates that the amino acid requirement of low and high sanitary status pigs is different

Overview experimental farm:

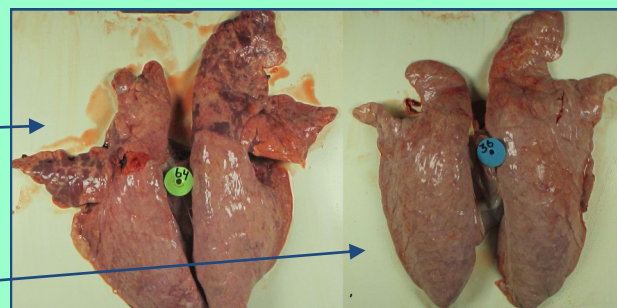
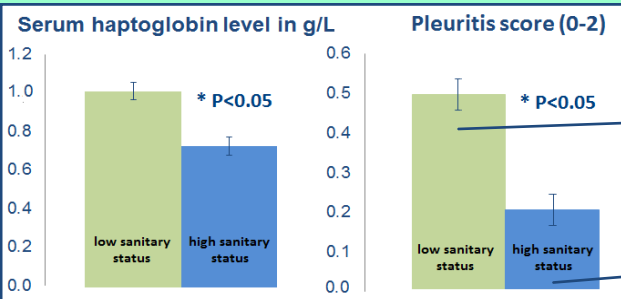
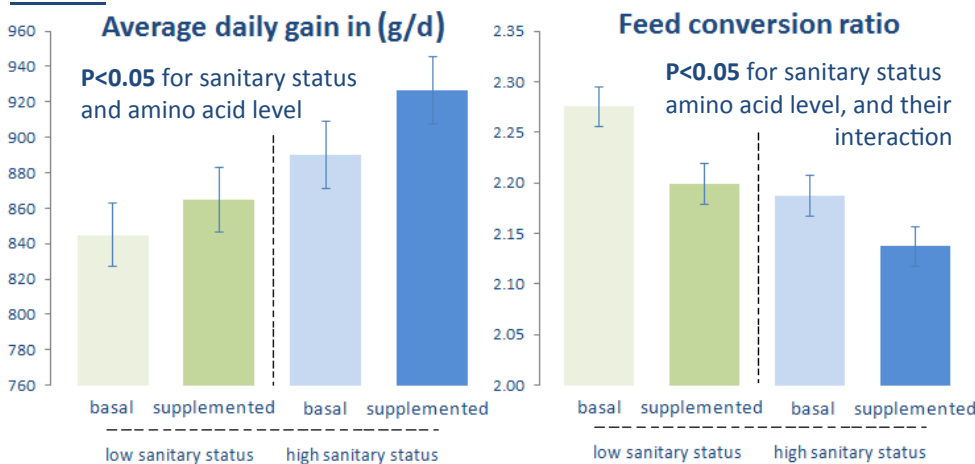


- Not cleaned
- No hygiene protocol
- No medication or vaccination
- Manure was spread regularly in pens

- Cleaned and disinfected
- Strict hygiene protocol
- Pigs : 1. vaccinated with 6 vaccines, 2. dewormed 3. Treated with antibiotics at start



Results



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