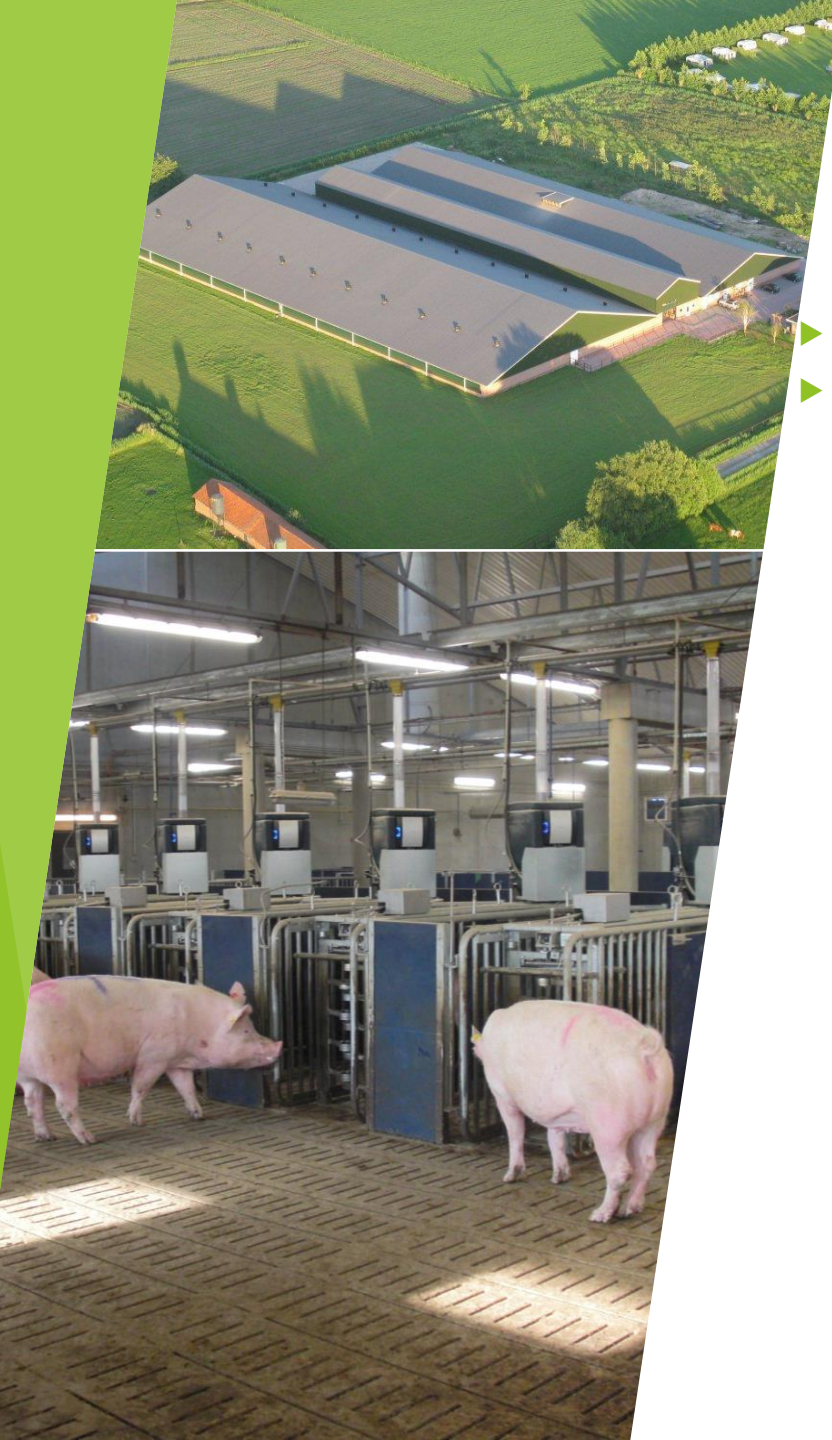# Pig Stable Treatment with QM-BioStable

▶ Location: LTO test farm "van Krey", The Netherlands

▶ Test setup:

  ▶ 2 Identical stables, completely separated (including manure basements)

  ▶ Temperature, humidity, feed, water conditions the same in both stables (computer controlled)

  ▶ Number of piglets per stable: 50

  ▶ Treatment Program during 100 days

    ▶ Stable 1: QM-BioStable

      ▶ 1 L QM-BioStable added per 100 m^3 manure in basement

      ▶ Every week 1 L Biostable per 1000 m^2 floor surface (1 L in 100 L water)

    ▶ Stable 2: Control

      ▶ 1 L water added per 100 m^3 manure in basement

      ▶ Floor surface sprayed with 100 L water per week

▶ Monitoring Program:

  ▶ Digital Ammonia monitors at the entrance of the ventilation shaft connected to computer system for data registration

  ▶ Animal Health

  ▶ Mortality

Pig Stable Treatment with QM-BioStable

Effect of QM-BioStable on Ammonia (NH3) emissions in pig stable
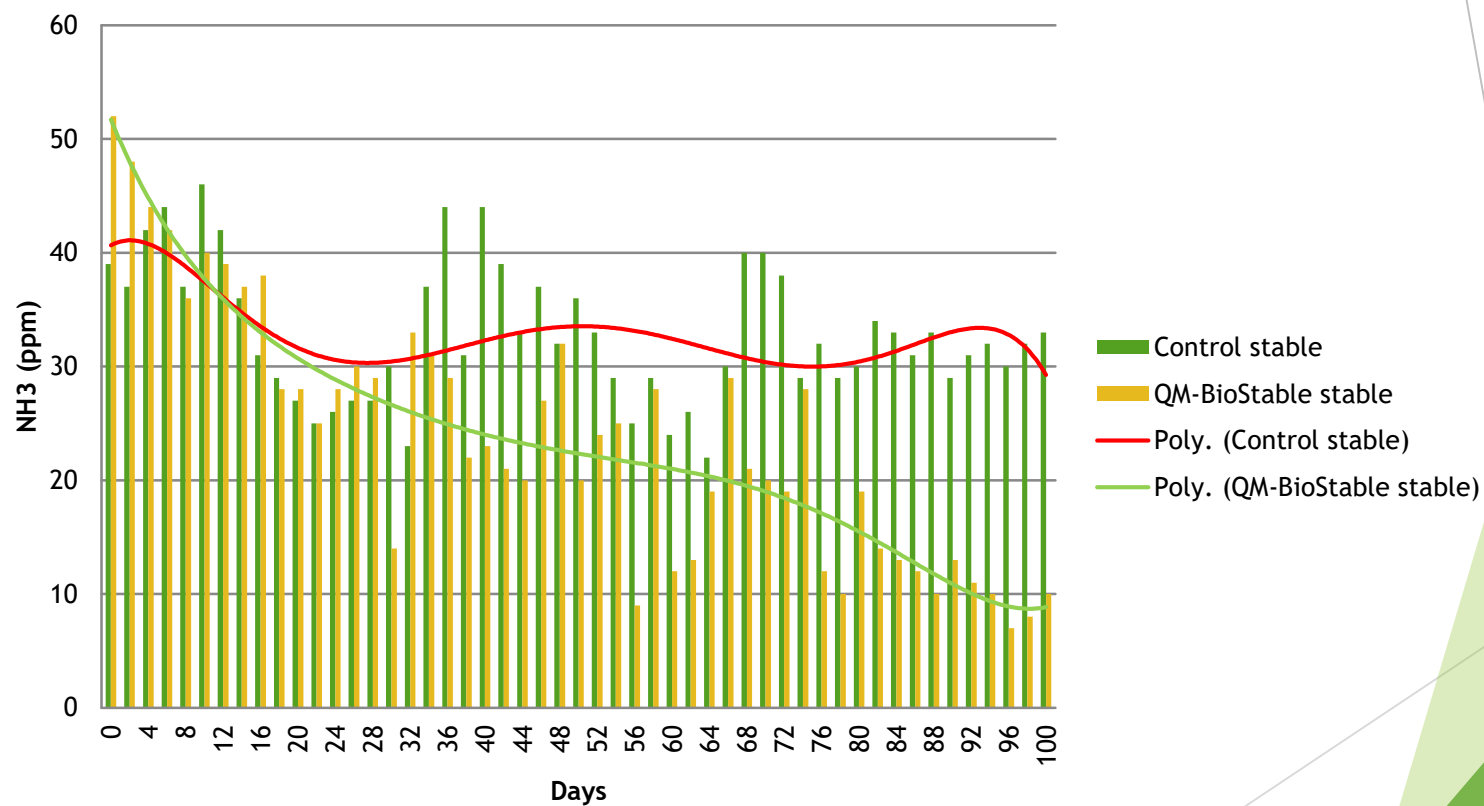
Pig Stable Treatment with QM-BioStable

- Animal Health
  - Pneumonia:
    - Control Stable: 35 piglets
    - Treated Stable: 6 piglets
- Mortality
  - Control Stable: 4 pigs
  - Treated Stable: 0 pigs

- Conclusions
  - At the end of the treatment program Ammonia levels are 70% lower than in the control stable.
  - Animal health improved in comparison to the control stable; less pneumonia
  - There was zero (0) mortality in the test stable in comparison to 8% mortality in the control stable.

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