

R&D Snapshot

PigGas - Pork Industry Greenhouse Gas calculator and case studies

Investigator: Ian Kruger, NSW Department of Primary Industries

Purpose:

- Develop a producer-friendly decision support tool which calculates emissions profiles of individual piggeries and provides mitigation options.

Take home messages:

- “PigGas” is a graphical spreadsheet model which allows producers to understand and quantify their piggery’s emissions and drivers using site specific factors (diets, sale weights, transport distances, waste treatment systems etc)
- Identifies potential energy savings and income streams from trading carbon credits and allows testing of possible scenarios to reduce on-farm emissions
- PigGas was tested on six farms which found a large variation in on-farm emissions (0.99 to 6.39 kg CO₂-e / kg HSCW) depending on infrastructure, production and management
- Different scenarios to reduce emissions were modelled yielding reductions from 5% to 87%.

Additional information:

- Visit Ian Kruger at APL’s stand at the Victorian Pig Fair (16-17 April 2013)
- Contact Janine Price at janine.price@australianpork.com.au, 02 6270 8827 or Ian Kruger at iankrugerconsulting@gmail.com, 0401 365 488 to register interest in PigGas Workshops
- After 17 April click here to view the User Guide and Case Studies.

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