

INTRODUCING

SNAPP - Sustainable Nutrition for Animal Protein Productivity

Using by-product sourced plant extracts to replace zinc oxide



SNAPP is an exciting project that will deliver a sustainable viable alternative to zinc oxide, providing industry with a new, natural solution that can be relied upon to improve the health and survival of post-weaning piglets.

Zinc oxide, routinely added to piglet feed, acted as an anti-microbial agent to reduce incidence of ill thrift & morbidity and improve growth & productivity. The aim is to investigate the efficacy of alternatives such as supplementary phytochemicals.

Background and scope

The project follows on from previous feasibility studies where pigs fed diets supplemented with polyphenols showed improved gut health and survival rates.

Polyphenols are anti-microbial, anti-inflammatory and antioxidant compounds found in plants. Naturally occurring polyphenol-rich compounds are available from agri-food by-products (AFBPs) generated by agriculture and food processing activities. There are significant quantities of surplus fruit and vegetables generated from harvesting and processing for human consumption. These can be processed to provide polyphenol-rich supplements.

SNAPP will investigate various AFBPs and processing techniques before using the most promising in controlled feed trials at the University of Leeds National Pig Centre, and subsequently on commercial pig farms.

Impact

- Valorisation of surplus fruit and vegetable agrifood by-products, increasing revenue for farmers
- Improved pig production and profitability
- Reduced emissions by reducing waste to landfill
- Innovative new product development promoting employment and supporting transition to low-carbon circular bioeconomy

Be involved

Share your views

Ensure SNAPP successfully addresses key industry challenges by **completing this short survey**

Your insight will help direct the discussion at an upcoming SNAPP industry workshop in September.

Inform the discussion

Join us at the first SNAPP Industry Workshop, providing an opportunity to learn more about the project, have your voice heard, ask any questions you may have and enjoy a networking lunch whilst learning about the outstanding research capability at the National Pig Centre.

**Wednesday 13 September, 10am – 3pm,
National Pig Centre, Tadcaster, near Leeds**

REGISTER NOW

For further project information, please visit the [SNAPP website](#)

Lead partner:



Consortium partners:



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