



**Project Number & Title:** 2C-120/Lactoferrin as a new feed additive improves sow milk production and pig production

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**Aims and Objectives:** To demonstrate lactoferrin as a new feed additive improves sow milk production and pig production

### Key Findings

Maternal nutritional intervention of lactoferrin in gilts during gestation and lactation:

1. tended to improve piglet body weight gain and therefore helps to optimise piglet growth.
2. significantly increased gilt milk production.
3. tended to increase litter size (through lower incidences of stillborn and mummified piglets) and piglet weaning weight.
4. significantly increased the concentration of IgA in gilt serum and sIgA in piglet serum ( $P < 0.05$ ).

### Application to Industry

1. To file in the patent application on maternal lactoferrin supplementation improves milk production.
2. To support a large sample size trial to confirm and refine the pilot study findings
3. To develop a lactoferrin rich feeds for pregnant and lactation sow and gilts.