

### **BAT Conclusions – Lockes & Blackhall Farm**

Cranley Barn Farm activity will run according to the New Best Available Techniques ([https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv%3AOJ.L\\_.2017.043.01.0231.01.ENG&toc=OJ%3AL%3A2017%3A043%3AFULL](https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv%3AOJ.L_.2017.043.01.0231.01.ENG&toc=OJ%3AL%3A2017%3A043%3AFULL) ). Taking into consideration odour, nitrogen and phosphorous excretion and dust pollution. The review of housing to reach this conclusion is found in the table below.

### **Housing Review - summary of buildings**

**Date:** \_July 2020\_\_\_\_\_

**Farm:** \_\_\_\_\_Lockes & Blackhall\_\_\_\_\_

<b>Name of building</b>	<b>Function</b>	<b>Is building management BAT or not BAT?</b>	<b>Is building design BAT or not BAT?</b>	<b>Is it identified in Housing Improvement Plan?</b>
Blackhall Shed 1	Finishing	BAT	BAT	N/A
Lockes Shed 1	Finishing	BAT	BAT	N/A
Lockes Shed 2	Finishing	BAT	BAT	N/A
Lockes Shed 3	Finishing	BAT	BAT	N/A

Lockes Shed 4	Finishing	BAT	BAT	N/A
Lockes Shed 5	Finishing	BAT	BAT	N/A

Nitrogen and phosphorous excretion

Manure analysis done by BQP on a blue print BQP farm has shown the excretion of nitrogen per pig place is 4.9 kg and of that 0.49 kg is available nitrogen and excretion of phosphorous is 3.92kg of which 2.35kg is available phosphorous. As part of being an IPPC permitted unit Lockes & Blackhall Farm will yearly analyse manure to estimate nitrogen and phosphorus excreted from each pig place and report results found.

## Feed

Please find below an overview of the crude protein and phosphorous inclusion in the diets at Lowfield Farm.

### BQP Dietary Phosphorus and Protein Position Statement 10/09/2018

BQP formulate their pig diets to ensure an adequate supply the correct nutrients, vitamins and minerals are available to pigs dependent on their age and specific weight. BQP are also aware of the issues related to excretion where excess nutrients, vitamin and mineral are supplied. Dietary minimum (and sometimes maximum) levels of nutrients are set on feed specifications to ensure that correct nutrient levels are fed. Current minimum and maximum protein, and minimum digestible phosphorus levels of BQP diets for Lockes & Blackhall Farm and shown in the table below along with approximate weight of pigs that diets are fed to.

Diet	Approximate liveweight fed to (kg)	Protein minimum %	Protein maximum %	DPP (digestible phosphorus) minimum %
Weaner pellet	18-40kg	17.5	19.5	0.3
Grower Meal	40-65 kg	16.5	19	0.26
Finisher Meal	65-105kg	15.5	18.5	0.25

In addition, Phytase enzymes are formulated into all BQP finisher pig diets to ensure optimum digestibility and therefore minimum excretion of available phosphorus by the pigs.

Helen Webb

Technical Manager

BQP