



BOCM PAULS Pig Growth Simulator

One of the key profitability goals of modern pig production is to ensure that you are exploiting the true lean growth potential of your pigs under a wide variety of genetic, environmental, nutritional and financial situations. Today this is even more so with the widespread adoption of the Hampshire and Pietrain genotypes into the UK breeding programmes.

Each individual pig unit operates under a different set of factors and these variables need to be taken into account in order to optimise performance, ie:

- > Breed
- > Genotype (lean tissue deposition rate)
- > Sex
- > Feed Intake
- > Disease Status
- > Environment (Temperature, Buildings, Stockmanship, Feeders)
- > Stocking Density

To this end the BOCM PAULS Pig Growth Simulator programme has been continually developed and updated over the last thirty years, using information from both in house R&D trials and computer calculations, based on the growth response of the pig to changes in energy and amino acid supply under a given set of circumstances to ensure that unit net margin is maximised.

The Pig Growth Simulator's functionality incorporates a carcass programme which calculates the daily lean growth potential on any particular unit. This determines the Net Energy and digestible amino acid levels required to support that potential lean growth. This, in conjunction with feed intake, allows the correct specification of diet to be formulated. How the pig responds to this specification will however vary depending on its genotype, liveweight and sex. The pig's environment can also influence this response through climatic conditions, management factors or disease challenge, but the Growth Simulator has been configured to take this into account.

The relative growth of lean and fat resulting from any particular set of circumstances will then dictate the carcass composition and hence the killing out percentage and grading profile. This information in turn can be used in conjunction with the DataPorc suite of carcass analysis programmes from Porcofram Marketing to allow changes to be made to the choice of diet, stock or slaughter weight and market outlet to provide a full financial costing, on an on-going basis. This combination of programmes makes the BOCM PAULS system unique and creates important synergies.

To learn more about the BOCM PAULS Growth Simulator programme or the suite of DataPorc carcass programmes to see how they can assist you to optimise the financial performance of your pigs please contact:

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