

# Bristol Poultry Research Farm



## Insect farming to support sustainable poultry production

### Challenge

The consumption of poultry meat and eggs is expected to continue to increase considerably and this increases the demand for poultry feed ingredients to support a sustainable intensive production system.



## Action

Numerous research studies offer significant evidence that insects have an enormous potential as a feed item for poultry. Chickens are one of the best converters of protein for human consumption and are able to do this from food waste inedible by us, a resource totaling 1.3 billion metric tons each year. They are also enthusiastic consumers of insects.

University of Bristol Vet School is leading an Innovate UK-funded project to examine the feasibility of on-farm production of insect larvae from food waste to be used as a feed component for poultry, and to assess nutritional, health and welfare outcomes in chickens.

The research is being undertaken within the £1 million state-of-the-art Bristol Poultry Research Farm developed by CIEL and the University of Bristol. The facility offers specialist, industry-focused research capability for both laying hens and broilers.



## Impact

The study aims to advance progress towards sustainable livestock production, with an emphasis on animal health and welfare.

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