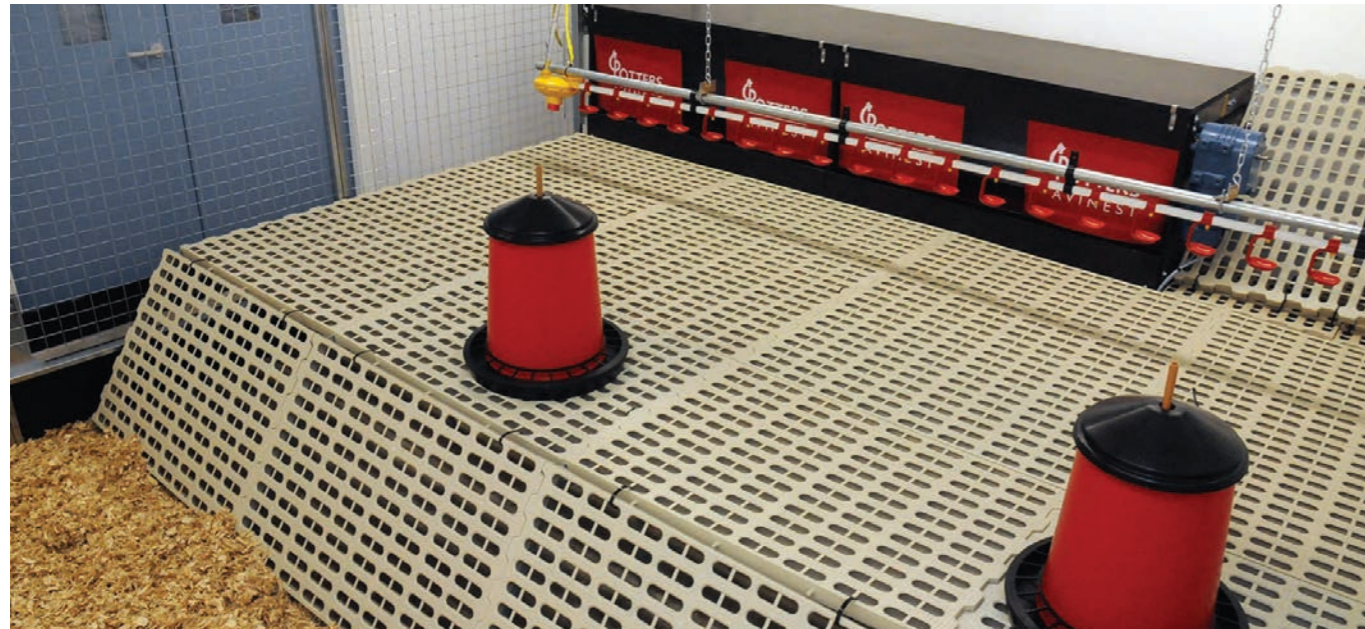




# Bristol Poultry Research Farm





## Sustainable productivity and driving consumer confidence by improving bird welfare

With a track record of working alongside industry to refine methods of catching, transport and slaughter, as well as evaluating housing systems and welfare assessment methods, the Bristol Poultry Research Farm offers many possibilities for small-scale trials aimed at improving bird health, welfare and productivity.

Expertise is matched by the facility's flexibility in configuration to accommodate a broad scope of studies.

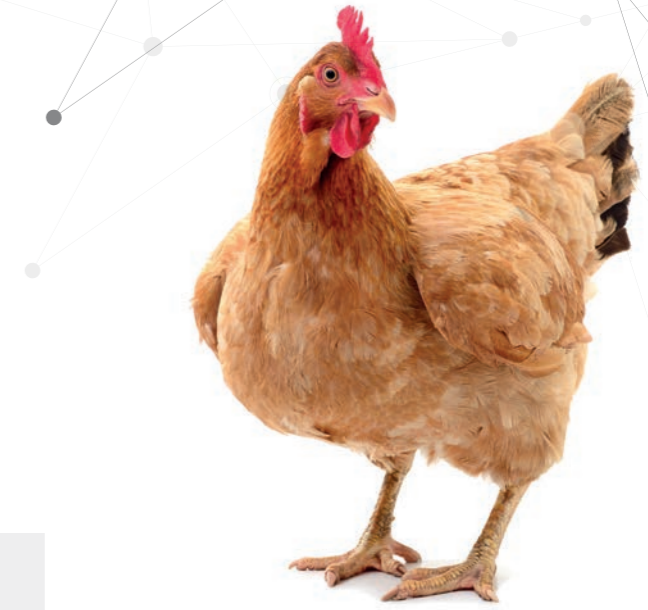
The £1M state-of-the-art poultry facility offers specialist, industry-focused research for both laying hens and broilers. Collaborative research opportunities include housing design, injurious pecking, red mite, rearing systems, bone biology and welfare assessment.

- ✓ Designed to bridge the gap between commercial systems and small experimental units for any poultry species
- ✓ Combining industry standard housing with poultry monitoring, at a flock and an individual level
- ✓ Fully monitored and controlled hatching facility that can run trials for both hens and broilers
- ✓ Home Office compliant suites of four rooms, for 20 adult hens per room, are also available.



### Contact

E: [sarah.lambton@bristol.ac.uk](mailto:sarah.lambton@bristol.ac.uk)  
[www.bristol.ac.uk](http://www.bristol.ac.uk)



## Technical specification

### Facilities

- Individually controlled experimental rooms 8
- Pens per room
  - Broilers Flexible
  - Layers 1
- Birds per room
  - Broilers Up to 200
  - Layers Up to 100
- Floor area
  - Broilers 15.8m<sup>2</sup>
  - Layers 10.1m<sup>2</sup>
- Floor material Optional
- Environmental control and monitoring Yes
- Data-enabled Yes
- Video, audio and RFID Yes
- Auto feed and weigh (Broilers) Yes
- Egg incubation & hatching (Layers and Broilers) Yes
- Isolated hatching facilities 2

### Observations and measurements

#### Routine

- Body weights
- Daily feed intake
- Calculation of feed conversion
- Mortality
- Water consumption
- Gait score
- Egg quality, weight and laying rate
- Air quality, light levels and temperature

#### Specialist

- Measuring behaviour
- Microbiology
- Immunology
- Litter score & moisture
- Pain assessment
- Post mortem
- Carcass analysis (including MRI)
- Infection studies
- Food pad lesions

#### Additional

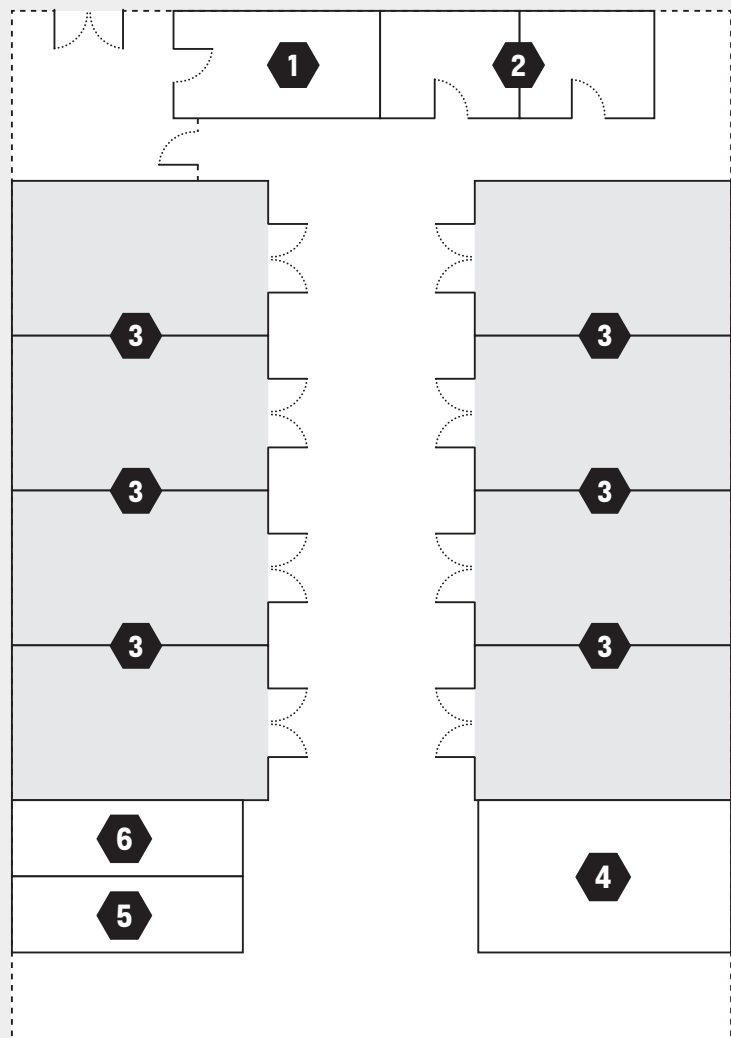
- Broilers Layers
- Hock burn Feather quality
- Butchery Keel bone score on live birds



## Schematic layout

### > Bristol Poultry Research Farm

- 1 Communications
- 2 Hatching Rooms
- 3 Experimental Rooms 15.8m<sup>2</sup>
- 4 Equipment / Store Area
- 5 Handling Room
- 6 Control Room



Plan for illustrative purposes only



CIEL, Innovation Centre, York Science Park  
Heslington, York YO10 5DG

T: 01904 567716 / E: [enquiries@cielivestock.co.uk](mailto:enquiries@cielivestock.co.uk)  
[www.CIELivestock.co.uk](http://www.CIELivestock.co.uk)

