University of Exeter



GREENHOUSE FACILITIES

Controlled plant-growth space for research, product development, testing and external hire

STREATHAM CAMPUS | UNIVERSITY OF EXETER

Three purpose-built greenhouse compartments provide flexible controlled environments for plant biology, biotechnology, environmental science and plant-microbe research.

3
greenhouse compartments

~300 m²
combined compartment footprint

~150 m²
bench-growing space

CAT 2
GMO containment capability

University of Exeter

Flexible, controlled growing environments

Located on the University of Exeter's Streatham Campus, the Biosciences Greenhouse Facility supports external organisations as well as research and teaching. Advanced environmental controls, supplemental lighting and automated irrigation provide year-round growing capability.

Compartments 1 & 2

Controlled-environment growing spaces

Two independently controlled glasshouse compartments maximise natural daylight while providing supplemental LED lighting, air-source heat-pump heating and cooling, continuous temperature and humidity monitoring, and automated irrigation capability.

FOOTPRINT
Approx. 100 m² each

BENCH SPACE
Approx. 50 m² each

LIGHTING
Natural daylight + LED

CLIMATE
Heat-pump heating/cooling

MONITORING
Temperature & RH recorded

IRRIGATION
Automated capability

Compartment 3

Category 2 GMO containment

A dedicated 100 m² high-containment greenhouse operating under negative pressure, with restricted access, programmable dimmable LED lighting, automated irrigation, heating and cooling, and continuous environmental monitoring.

BENCH SPACE
50 m² across 3 benches

CONTAINMENT
CAT 2 GMO / negative pressure

LED LIGHTING
Up to 250 µmol m^{-2} s^{-1} at bench level

PHOTOPERIOD
Programmable & dimmable

COMPLIANCE
Autoclave support

WATER MANAGEMENT
Condensate collection





Work Area 2: dedicated CAT 2 laboratory

A dedicated 25 m² CAT 2 work area/laboratory providing the essential facilities required to support containment research. Equipped with a Class II safety cabinet, microscopes and two plant growth chambers for sample handling, assessment and small-scale experimental work. The area operates under negative pressure to maintain CAT 2 containment compliance.

SUITABLE FOR

- Crop and plant science research
- Plant pathology and host-pathogen studies
- GMO research
- Seed multiplication
- Environmental stress experiments
- Commercial product testing

Greenhouse space for external organisations

Contact us to discuss project requirements, facility suitability, availability and rental options.

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Grow with the University of Exeter

Flexible plant-growth capability for commercial trials, research and innovation.

WHY USE THE EXETER GREENHOUSE?

- Affordable rates for commercial growers and agri-businesses
- Pricing includes watering support and bench space
- Access to a professional plant growth environment
- Located on the University's main Streatham Campus
- Research-adjacent environment. Exposure to crop science researchers and plant experts
- Ideal for trials, propagation, demonstrations and innovation projects

DISCUSS YOUR PROJECT

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OTHER PLANT-GROWTH FACILITIES

Projects requiring different levels of environmental control can also draw on complementary facilities at Exeter.



Explore the GMS

Global Meteorological Simulator

Four independently controlled plant-growth rooms with control of temperature, humidity, light and CO_2, plus rainfall, fog, wind speed and wind direction.



Programmable Conviron cabinets

Plant growth cabinets

30 programmable free-standing cabinets located within the plant science laboratories, providing flexible, precisely controlled growing environments.