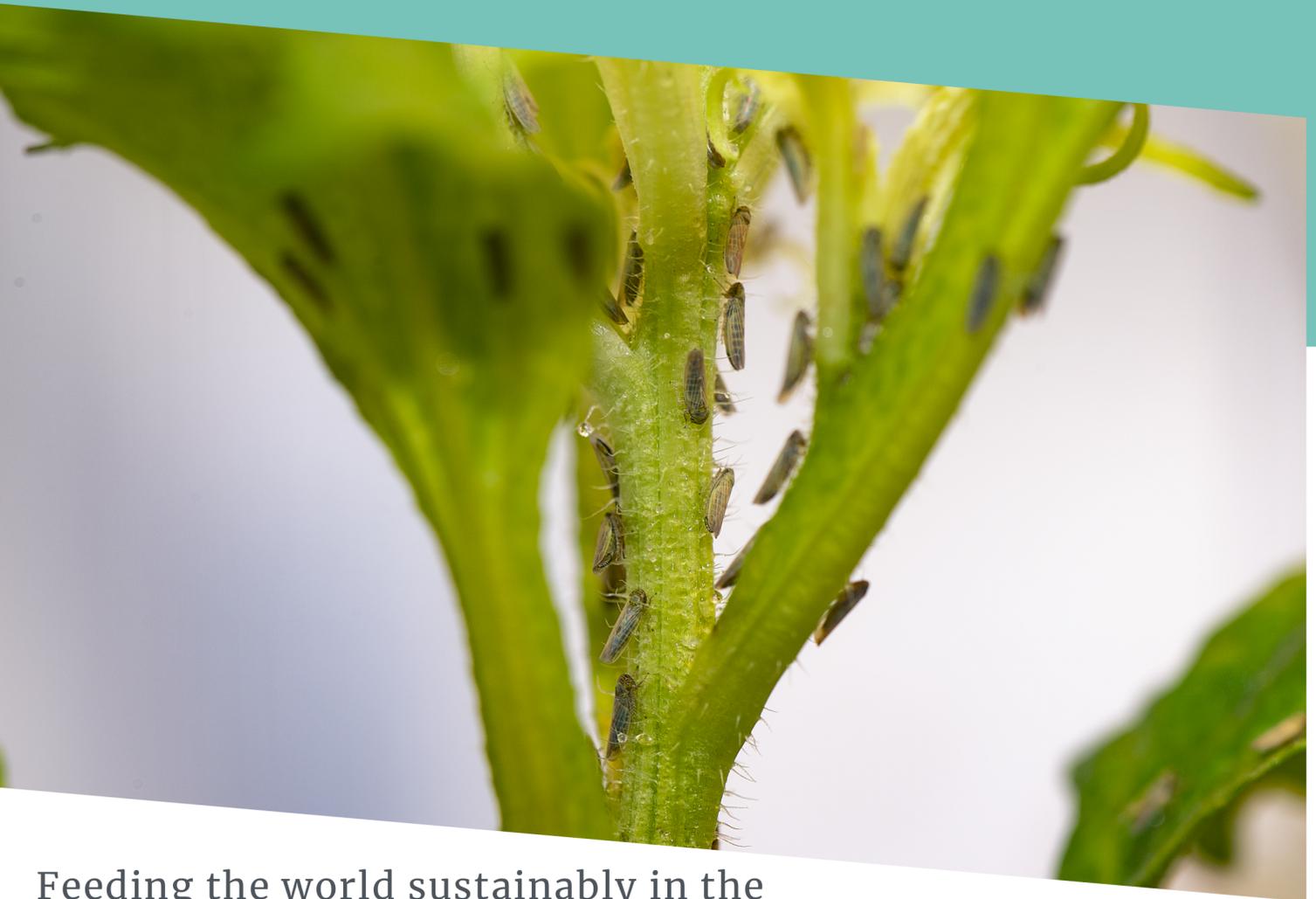


# Advancing Plant Health (APH)

TheSainsburyLaboratory

# TSL

John Innes Centre



Feeding the world sustainably in the face of the climate emergency is one of the biggest challenges of our time.

APH is a research programme which advances our understanding of how plants interact with diseases and pests in order to deliver solutions that promote beneficial interactions in vital crops across the UK and the World.

To do this, scientists at the John Innes Centre work in collaboration with The Sainsbury Laboratory on a strategic research programme called Advancing Plant Health.

Up to **30%**  
of global crop yields are  
lost each year to pests  
and diseases, costing  
the world economy

**\$540bn**  
each year.



# APH

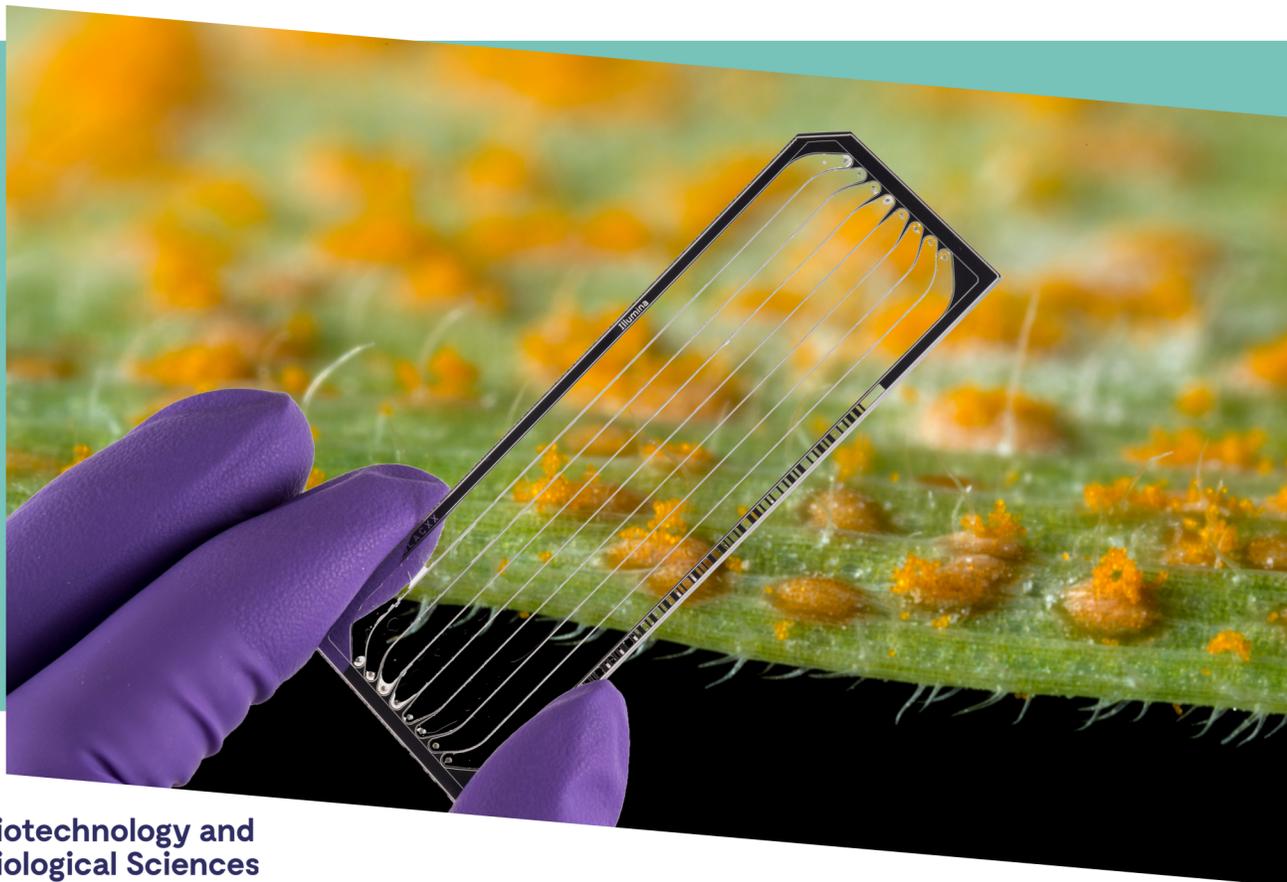
ADVANCING  
PLANT  
HEALTH

**SCAN FOR  
MORE INFO**



To tackle crop losses from pests and diseases the Advancing Plant Health (APH) strategic programme is investigating the molecular mechanisms behind plant interactions with pathogens, pests, and beneficial microbes.

By building upon recent discoveries in plant immune systems, genomics, and advanced bioimaging, the programme aims to protect crops against diseases and parasites and enhance plant growth, resilience, and sustainable agricultural productivity.



**Biotechnology and  
Biological Sciences  
Research Council**

Advancing Plant Health (APH) aims to deliver new solutions to promote beneficial interactions and disease/pest resistance in crops of both national and global significance. It integrates research expertise from the John Innes Centre and The Sainsbury Laboratory.

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