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RANGE ROVER

2026 RHS CHELSEA FLOWER SHOW
GreenSTEM EXHIBITORS

Please note: All information is provided by exhibitors and is subject to change.
For images and further information including full planting lists, please contact showspr@rhs.org.uk

1) Bringing Nature Home

Designer: Dave Green

Media Contact: Laura Scruby
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Bringing Nature Home explores how the nation's gardeners can enhance their garden habitats to increase biodiversity by using the most up-to-date sustainable gardening research and advice. This creates a bridge between the ground-breaking research undertaken by the RHS and its collaborators, and the nation's gardeners who can make real changes to their green spaces.

Visitors will understand that by choosing plants suitable for their unique gardens, that are both great for wildlife and resilient, will result in a beautiful, healthy garden habitat.

The display is inspired by a row of terraced houses with a central wooden structure. A hallway is decorated with houseplants, books and nature-inspired artwork, and reclaimed windows are suspended from the structure, allowing visitors to view planting areas. External planting areas are reminiscent of neighbouring gardens, each separate but interconnected by nature. In addition, an interactive display will encourage visitors to record twelve RHS wildlife wonder plants on a digital map and explore the latest innovations on the award winning RHS Grow app.

2) Aeroponic Frontiers

Designer: Oliver Needham

Media Contact: Portia Hill
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Aeroponic Frontiers will provide visitors with an immersive and educational experience that invites them to see, touch and taste the next generation of sustainable farming. The display showcases cutting-edge innovation in horticulture by using its advanced aeroponics irrigation technology.

The exhibit demonstrates how technology can be used in food crop production and plant breeding to create a more resilient food system and reduce the impact agriculture has on the environment. Visitors will be able to explore a life-size advanced aeroponic vertical farm and interact with cutting-edge LED frow lights and AI-enabled monitoring systems that can be used to track crop health. In addition, visitors will discover 'frontier crops' such as British grown tea, carbon conscious onions, B12 fortified pea shoots and genetically modified dandelions.

The exhibit illustrates how advanced aeroponics and other frontier technologies work together to create a more sustainable food system.

3) Scents & Sensors: sniffing out plant pests and diseases

Designer: Animal & Plant Health Agency

Media Contact: Lucy Carson-Taylor
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Scents & Sensors: sniffing out plant pests and diseases will demonstrate how biology and technology can use invisible scent signals, smells and semiochemicals to protect plant health.

Visitors will discover how dogs can be trained to detect pathogens such as *Phytophthora ramorum*, and quarantine beetles such as *Ips typographus* and *Anoplophora*. In addition, the exhibit will showcase a newly developed e-

nose which can be used to identify infected plants before the visual symptoms even begin to appear.

Visitors will leave with an understanding that smell is a powerful and practical tool for the detection of harmful plant pests and diseases, and how this can be used as an additional tool in UK biosecurity.

4) Nature Inspired Protective Engineering; saving lives one leaf at a time

Designer: Dr Rachael Hazael CEng MiMMM
Sponsor: Cranfield University

Media Contact: Edward Clinton
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Nature Inspired Protective Engineering: saving lives one leaf at a time explores how vegetation and plant structures can mitigate blast waves by transforming ordinary hedges and living walls into scientifically designed shields, which can absorb and deflect pressure to protect people and structures.

The exhibit will showcase the Blast EcoShield which takes horticultural research and applies it to the field of explosive engineering.

Visitors will discover how the natural world can offer solutions to some of humanity's most complex safety challenges.

5) Robocrops: Plant Selection, Beyond the Visible

Designer: University of Lincoln
Sponsor: UKRI, Pinnacle Plants International and CambridgeHOK

Media Contact: Callum Thomas
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Robocrops: Plant Selection, Beyond the Visible will explore how artificial intelligence, robotics and advance sensing has the potential to transform the horticultural industry, particularly in response to challenges such as climate change, rising energy costs and labour shortages.

The exhibit will showcase the University of Lincoln's advanced robotic phenotyping system, PhenAIx. This technology helps to accelerate breeding programmes and facilitate the development of resilient crops by using a digital camera, and depth and multi-spectral sensors to capture and model plant traits that are invisible to the human eye.

Visitors will understand how human expertise paired with technology can help to create a more sustainable, efficient and environmentally responsible horticultural industry. In addition, the vital need for STEM skills in order to future-proof the sector.

6) UKCEH Nature Decoded

Designer: UKCEH team

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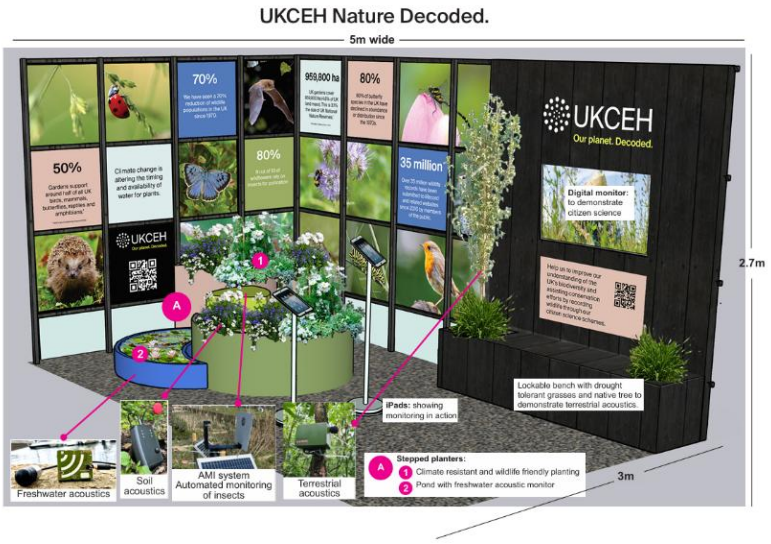

UKCEH Nature Decoded reveals how UK gardens collectively form more green space than all our parks combined, highlighting their power as vital mini ecosystems. The exhibit highlights how research tools are being used in practical applications for biodiversity monitoring.

The design showcases how plant choices shape thriving ecosystems, with pollinator-friendly and climate-resilient species demonstrating practical ways to boost biodiversity. In addition, it highlights how simple actions such as planting wildflowers, reducing pesticides and recording local species can make a meaningful difference.

The exhibit will demonstrate how acoustic monitoring and the automated monitoring of insects (AMI) can be used in ecological research by generating large data sets on species, insects and ecosystems using sound and images. AMI can reveal insect richness, diversity and seasonal changes, whilst acoustic monitoring can make invisible ecological processes tangible.

Visitors will be able to use interactive tools and apps to help them assess and future-proof their own gardens, while also learning how to take part in citizen science schemes and contribute to important datasets on biodiversity. By understanding the impact climate change will have on future planting and why insects are an essential part of our ecosystem, visitors will leave empowered to support nature and contribute valuable data to UKCEH research.