Forestry Commission

Responding to tree pests and diseases in urban green spaces

Barnaby Wylder – Forestry Commission Plant Health Forestry team

Presentation content

- **The urban tree/pest and disease interface**
- **Reporting tree pest and disease symptoms**
- **Mitigating measures**

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Image: B Wylder Forestry Commission

The urban tree / pest & disease interface

- Lots of potential pathways to introduce pests and diseases

B Wylder Forestry Commission

Ben Jones Forestry Commission

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Images: B Wylder Forestry Commission

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The urban tree / pest & disease interface

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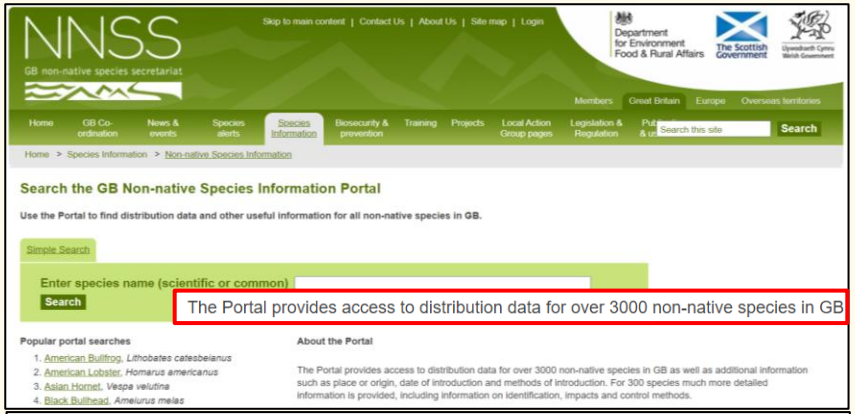
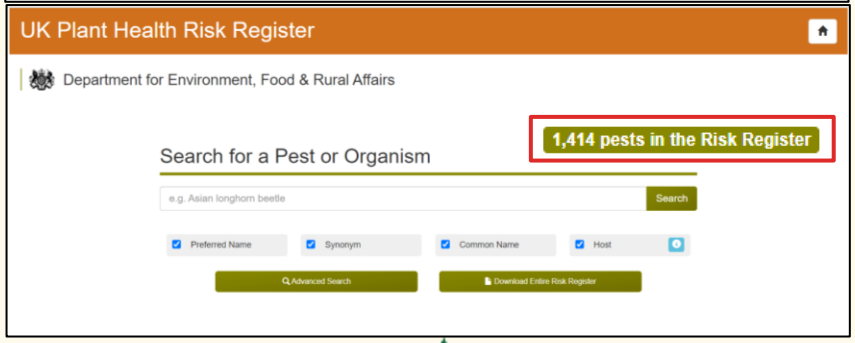
- Presence of Invasive Non-Native Species

Images: B Wylder Forestry Commission

The urban tree / pest & disease interface

- Lots of potential pathways to introduce pests and diseases
- Trees frequently under additional stress.
- Presence of Invasive Non-Native Species
- Unfortunately, a perfect mixing pot!





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Example urban fungal issue

Images: B Wylder Forestry Commission

Example urban fungal threats

Images: B Wylder Forestry Commission

Example urban fungal threats

Images: B Wylder Forestry Commission

Example urban *Phytophthora* threats

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Images: B Wylder Forestry Commission

Example urban *Phytophthora* threats

Images: B Wylder Forestry Commission

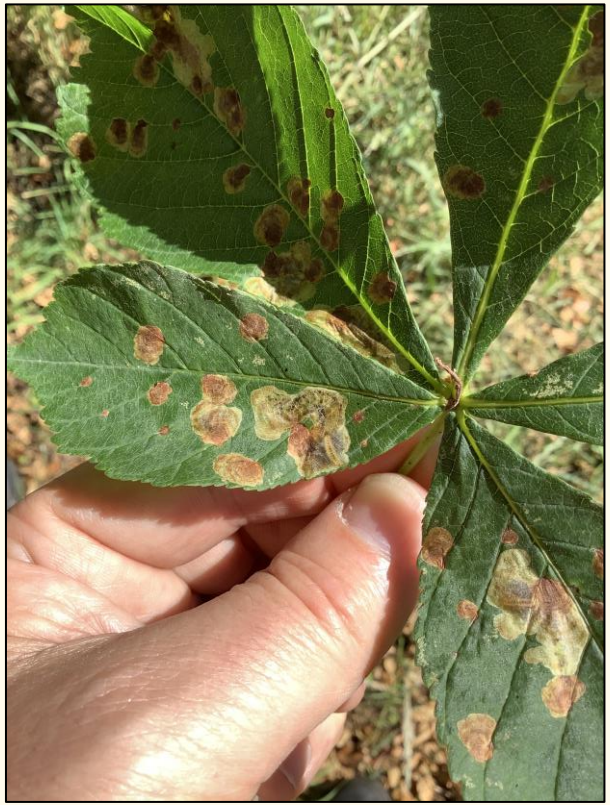
Example urban bacterial threats

Images: B Wylder Forestry Commission

Example urban bacterial threats

Images: B Wylder Forestry Commission

Example urban invertebrate threats



Images: B Wylder Forestry Commission

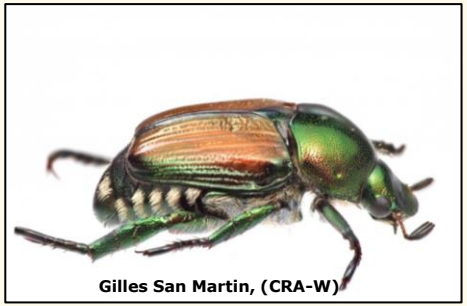
Example urban invertebrate threats

Images: B Wylder Forestry Commission

Some nearby threats…

James Roberts – Forestry Commission

Matteo Maspero, Fondazione Minoprio, Como


Gilles San Martin, (CRA-W)

Arzu Seza, Ordu University, Ordu

Gilles San Martin

Eduard Jendek

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Tree Alert

Tree Pest & Disease sighting reporter

https://treealert.forestresearch.gov.uk

Info required:

- **About you**
- **About your observation** (incl. grid reference and at least 3 good quality photos)

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Images: Forestry Commission

Mitigation – Awareness / preparedness

GOV.UK

Policy paper

Plant biosecurity strategy for Great Britain (2023 to 2028)

Published 9 January 2023

Department for Environment Food & Rural Affairs

UK Plant Health Information Portal

An online hub for plant health information, data and resources

Enter the name of a pest or plant you are interested in

Start typing to see suggestions...

European and Mediterranean Plant Protection Organization
Organisation Européenne et Méditerranéenne pour la Protection des Plantes

Enter your search

HOME | ABOUT EPPO | MEETINGS | ACTIVITIES | RESOURCES | MEMBERS ONLY

The Great Britain Invasive Non-Native Species Strategy

2023 to 2030

Date: February 2023

Department for Environment Food & Rural Affairs

Llywodraeth Cymru Welsh Government

The Scottish Government

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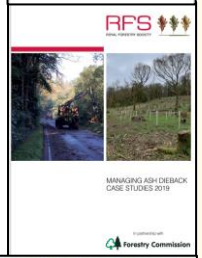
Mitigation – Planning vs reacting

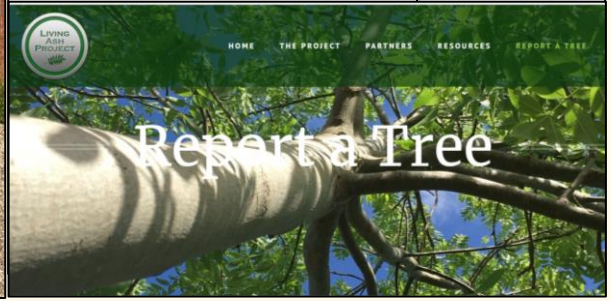
Images: B Wylder Forestry Commission

Mitigation – Resilient species choice

Images: B Wylder Forestry Commission

Mitigation – Threat reduction



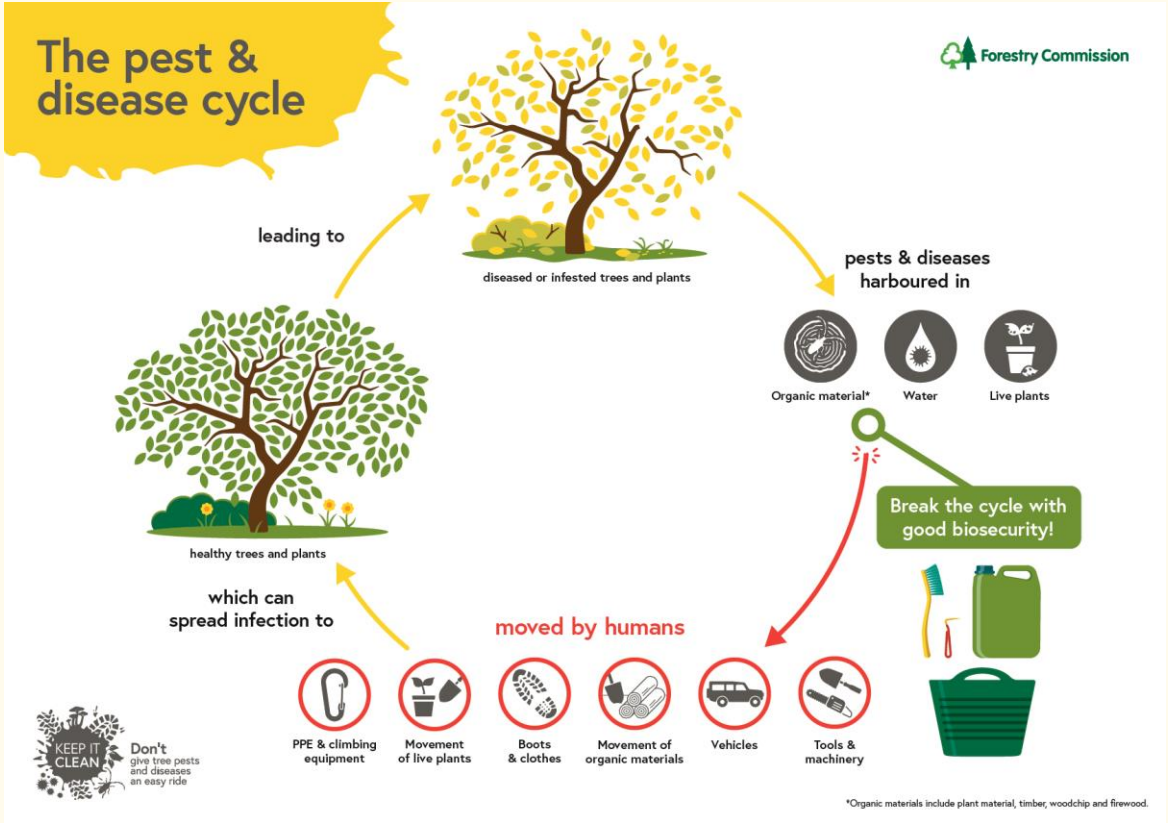


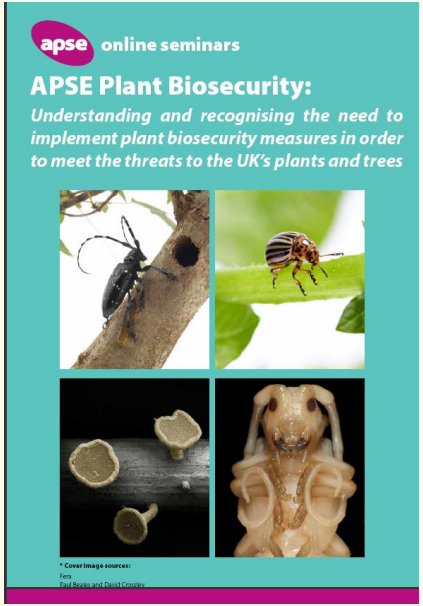
Images: B Wylder Forestry Commission

Mitigation – Threat reduction

Images: B Wylder Forestry Commission

Mitigation – Biosecurity





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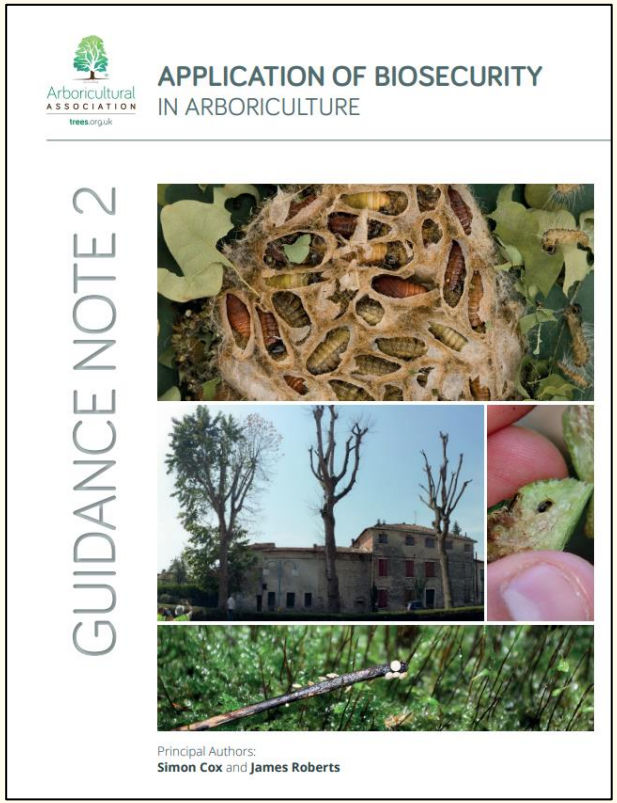
Mitigation – Biosecurity

Images: B Wylder Forestry Commission

Mitigation – Biosecurity



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Summary:

Prepare for threats
Report symptoms - TreeAlert
Plan/undertake biosecurity