

Plant Health Alliance



Plant Health Management Standard

Supporting professional horticulturalists help protect our plants from exotic pests

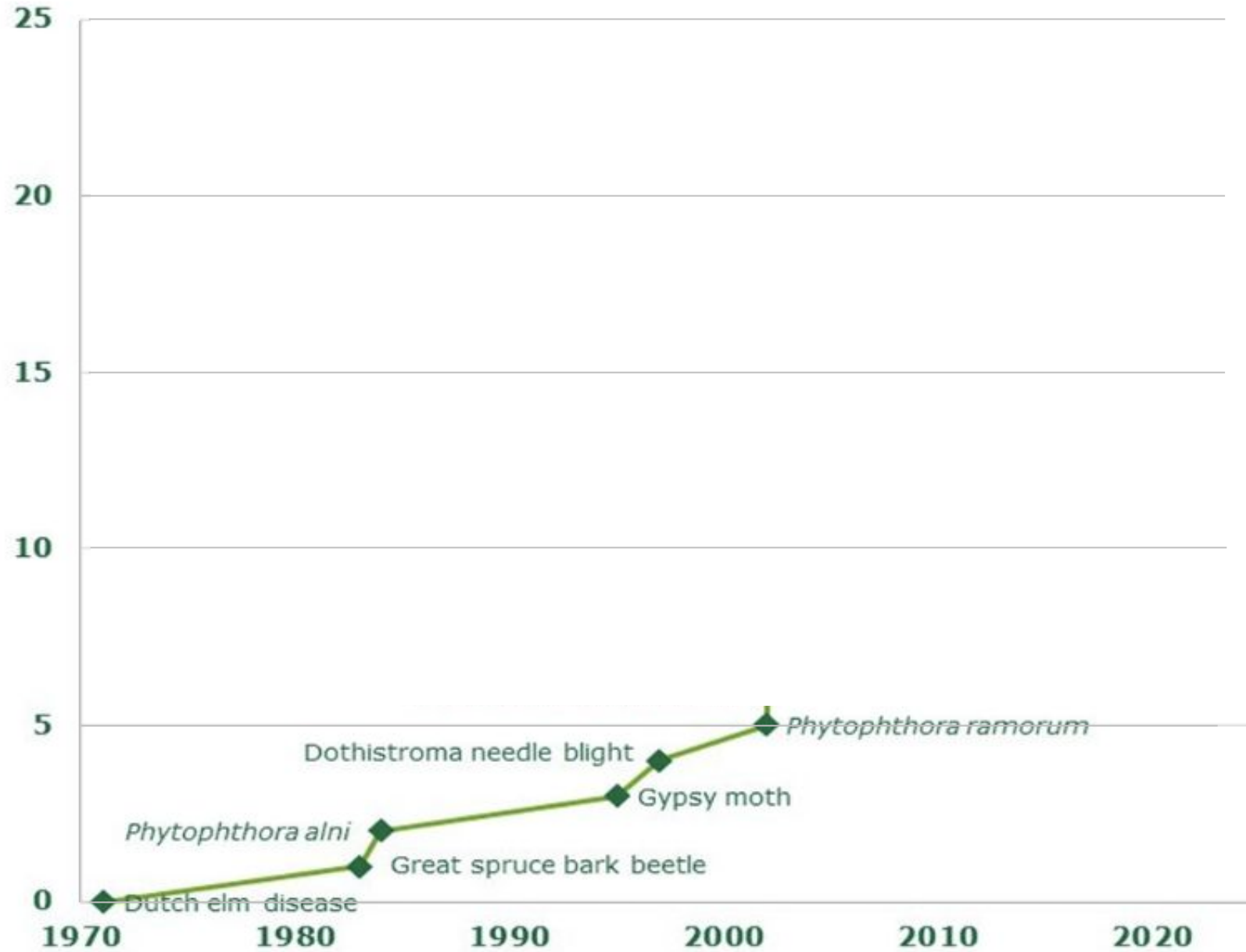
Alistair Yeomans MCIHort MICFor

(Horticulturalist and Forester)





Supporting professional horticulturalists help protect our plants from **exotic pests**





2011



2007



2005

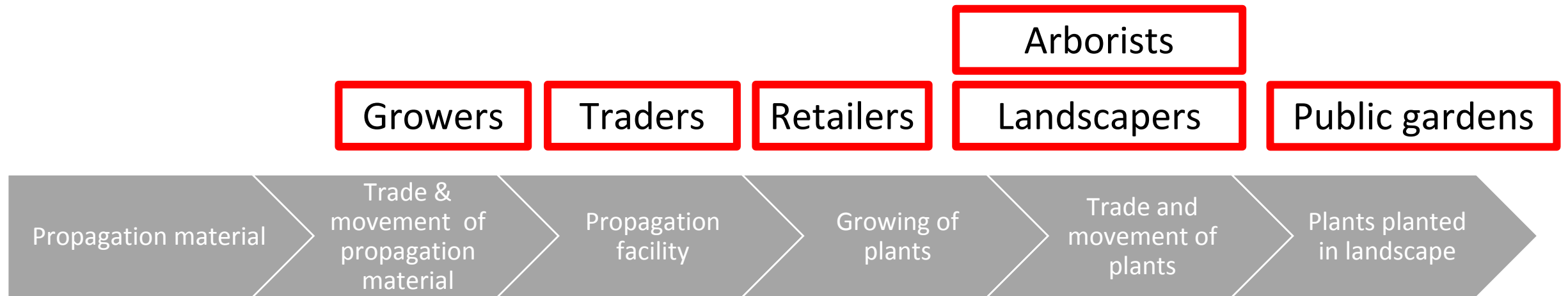


2012





Supporting **professional horticulturalists** help protect our plants from **exotic pests**



Reality – over 80% of plants (volume and value come from international sources)

Most common pathway for notifiable plant pests to be introduced to a new area is by the movement of live plants

Plant Diseases and Biosecurity, Beales et al. 2019

Plant Pests (and diseases) spread via national and international supply chains



Ramorum disease (*Phytophthora ramorum*)

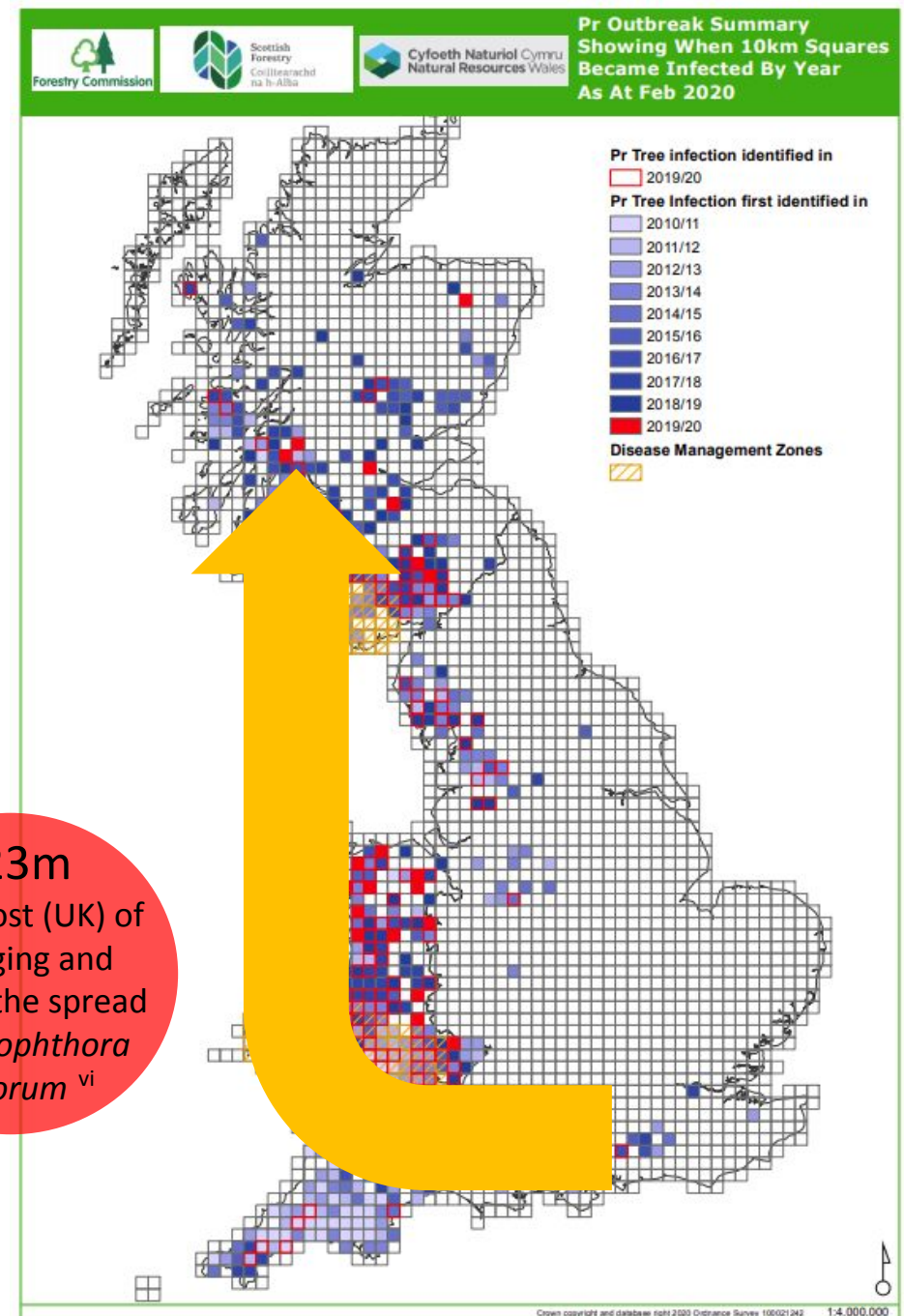
The first UK **finding** was made on a viburnum plant in February 2002 at a garden centre in Sussex.

The first record on a mature tree in the UK was on a 100-year-old southern red oak (*Quercus falcata*) in November 2003, and it was first found on Japanese larch (*L. kaempferi*) in South-West England in 2009.

Polyphagous plant pest (disease) 150 species

£23m
5 year cost (UK) of
managing and
slowing the spread
of *Phytophthora
ramorum* ^{vi}

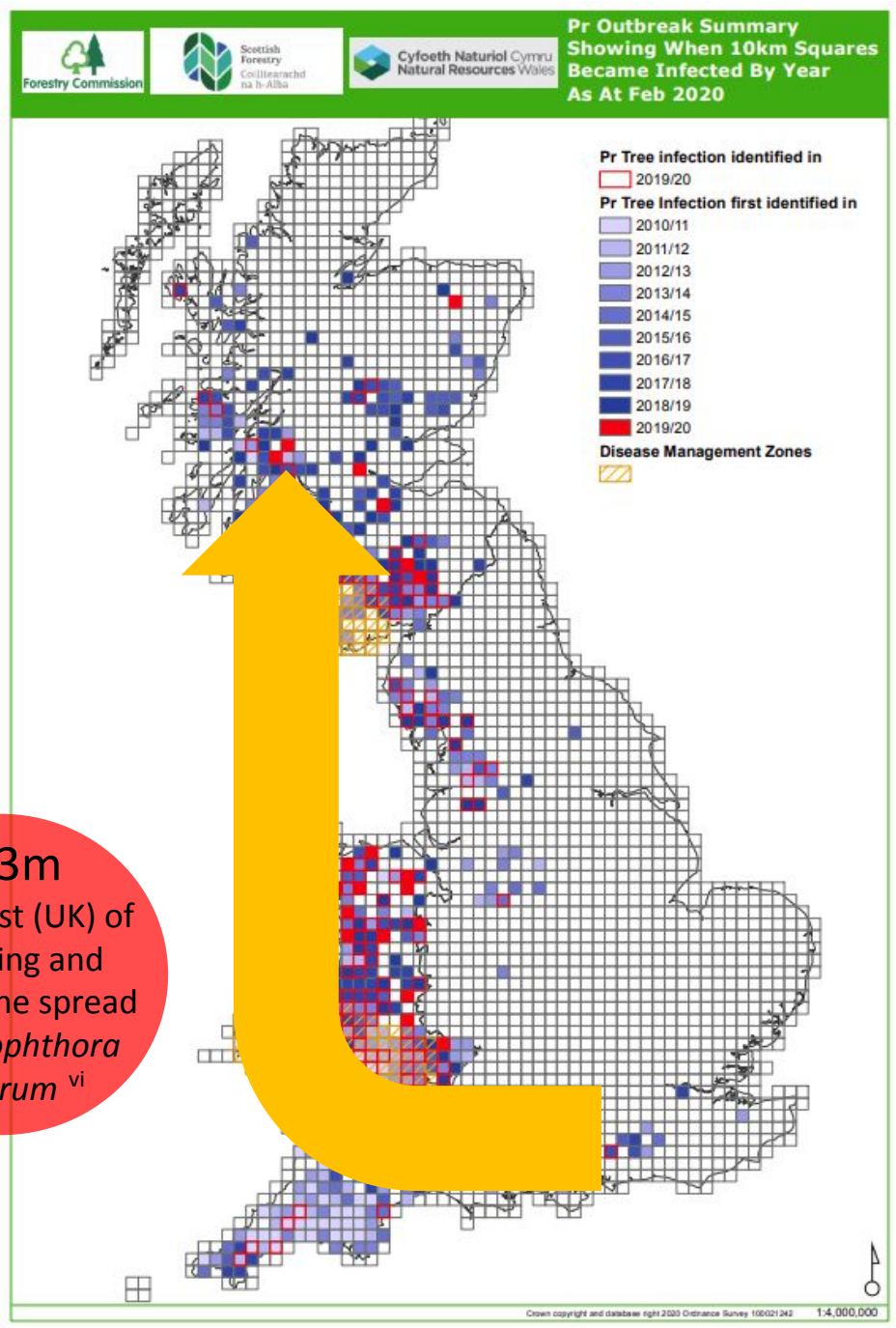
<https://planthealthportal.defra.gov.uk/pests-and-diseases/high-profile-pests-and-diseases/phytophthora/>





Phytophthora ramorum (PHYTRA) - <https://gd.eppo.int>

£23m
5 year cost (UK) of
managing and
slowing the spread
of *Phytophthora
ramorum*^{vi}





YouTube search:

Xylella Helen Mirren

<https://www.youtube.com/watch?v=2xnsdASNvzQ>

YouTube 68 Search

BRIGIT
Vector Borne Disease of Plants

Xylella: How can we protect our plants?
Narrated by Dame Helen Mirren

0:00 / 4:15

Xylella : How can we protect our plants?
7,361 views • Jan 12, 2020

54 3 SHARE SAVE ...

YouTube 68 xylella helen mirren Search

These measures would be catastrophic for any garden centres or nurseries that are inside the 5km area

2:09 / 4:15

Xylella : How can we protect our plants?
7,363 views • Jan 12, 2020

54 3 SHARE SAVE ...



Plant Biosecurity - Nine sections

1. Plant Health Regulations
2. Plant Biosecurity Policy
3. Plant Health Responsibility
4. Site and Operations Pest Risk Analysis
5. Supply Chain Management
6. Hygiene and Housekeeping
7. Plant Health Controls
8. Monitoring and continual improvement
9. Training and recognition

Written by plants-people for plants-people



Plant Healthy
Certification Scheme



Plant Health Management Standard
Version 1.2



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1st July 2022



Nine sections

Section 4: Site & Operations Pest Risk Analysis :

notifiable plant pest*
management information for
professional operators

* Notifiable pests - the Union quarantine pests or pests subject to measures adopted pursuant to Article 30(1), protected zone quarantine pests and Union regulated non-quarantine pests



Plant Healthy
Certification Scheme



Plant Health Management Standard
Version 1.2

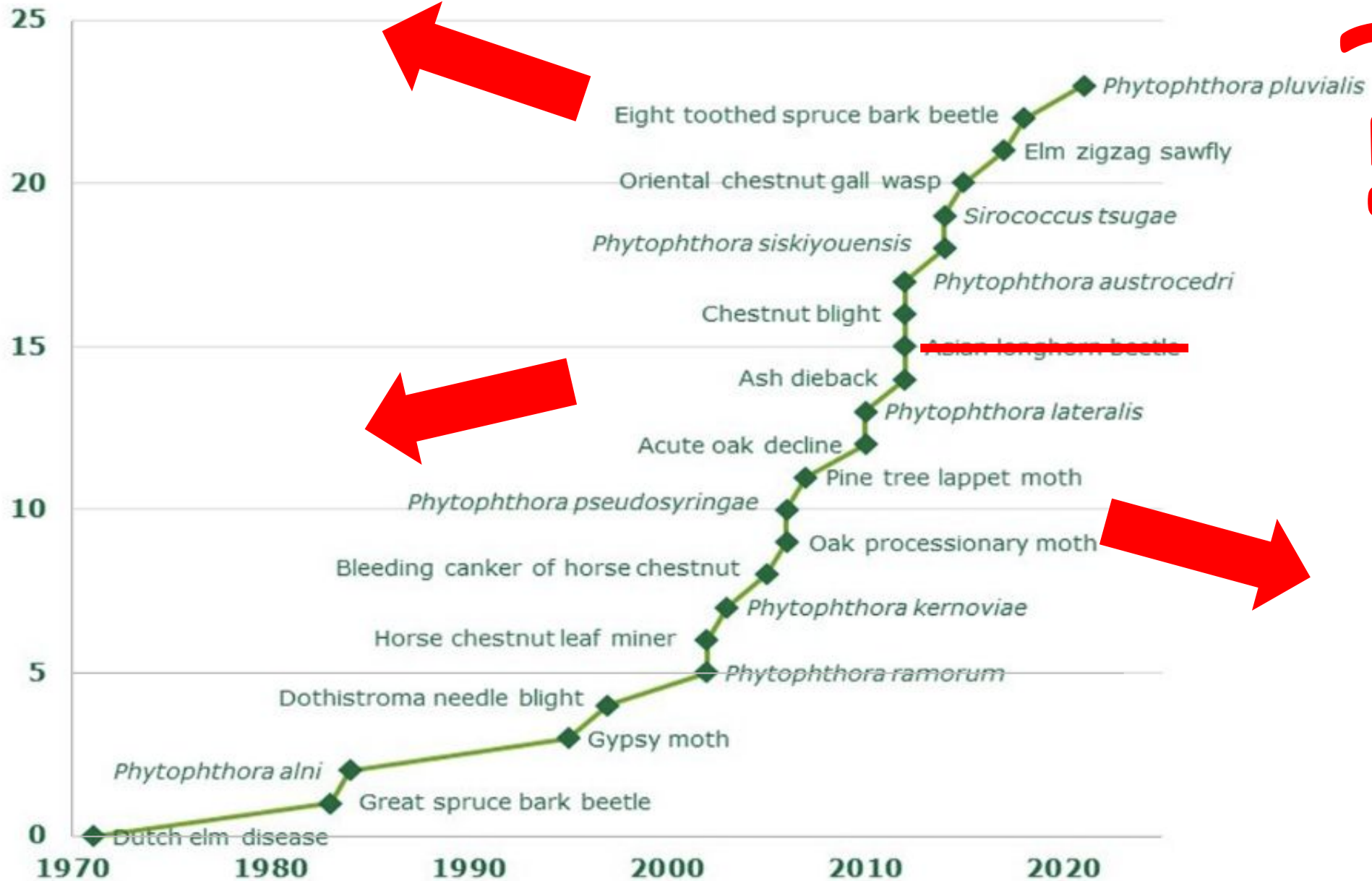


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1st July 2022



Supporting professional horticulturalists help protect our plants from **exotic pests**





REG (EU) 2016/2031 - Article 89 - Authorisation of professional operators to issue plant passports

The competent authority shall grant an authorisation to a professional operator to issue plant passports for particular families, genera or species...of plants... where that professional operator.... possesses the necessary knowledge to carry out the examinations... concerning notifiable pests that could affect the plants... concerned, and concerning the signs of the presence of those pests, the symptoms caused by them, and the means to prevent the presence and spread of those* pests.*

UK Plant Health Risk Register



Department for Environment, Food & Rural Affairs

1,407 pests in the Risk Register

Preferred Name

Synonym

Common Name

Host



Q Advanced Search

Download Entire Risk Register

* Notifiable pests - the Union quarantine pests or pests subject to measures adopted pursuant to Article 30(1), protected zone quarantine pests and Union regulated non-quarantine pests



Agrilus anxius

Agrilus anxius (AGRIAX) - https://gd.eppo.int



Agrilus planipennis

Agrilus planipennis (AGRIPLU) - https://gd.eppo.int



Anoplophora chinensis

Anoplophora chinensis (ANOLCN) - https://gd.eppo.int



Anoplophora glabripennis

Anoplophora glabripennis (ANOLGL) - https://gd.eppo.int



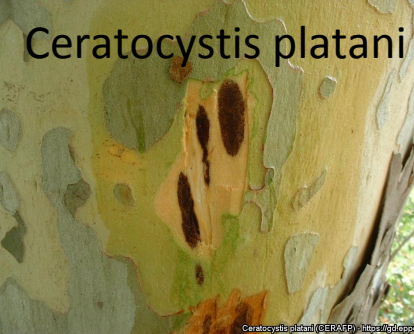
Aromia bungii

Aromia bungii (AROMBLU) - https://gd.eppo.int



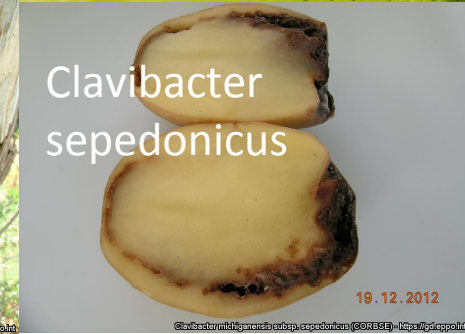
Bactericera cockerelli

Bactericera cockerelli (BACTCO) - https://gd.eppo.int



Ceratocystis platani

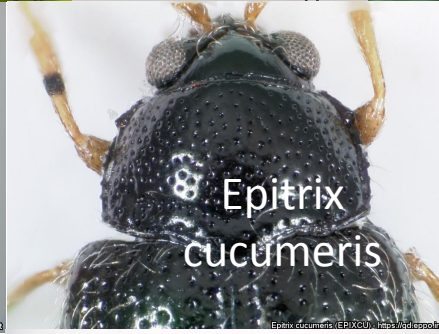
Ceratocystis platani (CERAFP) - https://gd.eppo.int



Clavibacter sepedonicus

19. 12. 2012

Clavibacterium sepedonicus (CLAVSE) - https://gd.eppo.int



Epitrix cucumeris

Epitrix cucumeris (EPICUCU) - https://gd.eppo.int



Epitrix papa

Epitrix papa (EPICPPA) - https://gd.eppo.int



Epitrix tuberis

Epitrix tuberis (EPITUT) - https://gd.eppo.int



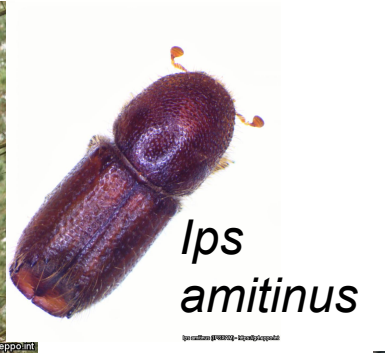
Epitrix subcrinita

Epitrix subcrinita (EPISUB) - https://gd.eppo.int



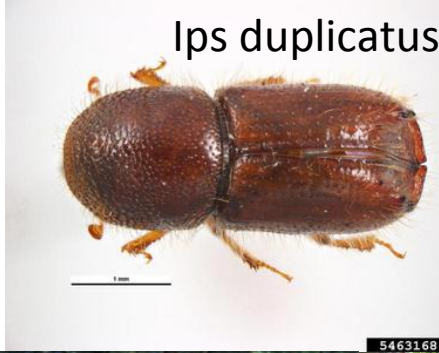
Fusarium circinatum

Fusarium circinatum (GIBBCI) - https://gd.eppo.int



Ips amitinus

Ips amitinus (IPSAMIT) - https://gd.eppo.int



Ips duplicatus

54631.68

22 priority pests 

Regulations 2020
UK Draft Statutory Instruments

SCHEDULE 1 - New Annex to Commission
Implementing Regulation (EU) 2019/1702



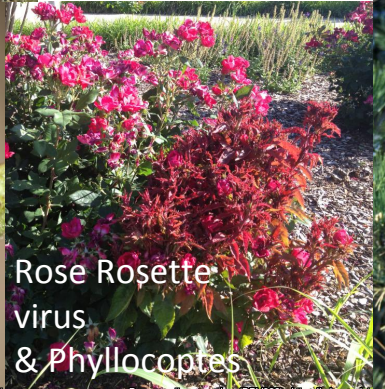
Ips typographus

Ips typographus (IPSTYP) - https://gd.eppo.int



Leptinotarsa decemlineata

Leptinotarsa decemlineata (LPTIND) - https://gd.eppo.int



Rose Rosette virus & Phylloxera

Rose rosette virus (RRV) - https://gd.eppo.int



Thaumetopoea pityocampa

Thaumetopoea pityocampa (THAUPIT) - https://gd.eppo.int



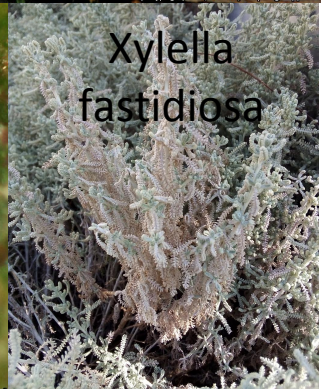
Thaumetopoea processionea

Thaumetopoea processionea (THAUPRO) - https://gd.eppo.int



Thrips palmi

Thrips palmi (THRIPL) - https://gd.eppo.int



Xylella fastidiosa

Xylella fastidiosa (XYLEFA) - https://gd.eppo.int

Agrilus bilineatus



Agrilus bilineatus (AGRLBL) - https://gd.eppo.int

Agrilus biguttatus



Acute oak decline



Candidatus Liberibacter solanacearum



Candidatus Liberibacter solanacearum (LIBEPS) - https://gd.eppo.int

Phytophthora infestans



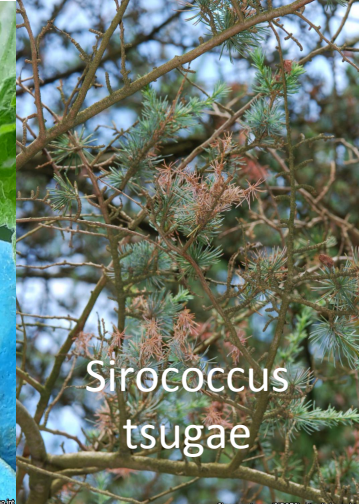
Phytophthora infestans (PHIP) - https://gd.eppo.int

Prodidiplosis longifila



Prodidiplosis longifila (PRODIP) - https://gd.eppo.int

Sirococcus tsugae

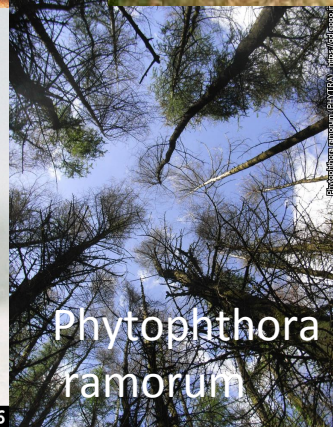


Sirococcus tsugae (SIROTS) - https://gd.eppo.int

Xylosandrus germanus



UGA2104006



Phytophthora ramorum

Dendroctonus valens



UGA1241451

17 pests



With a mitigated risk rating of 60 or above on the UK Plant Health Risk Register (as of November 2022)

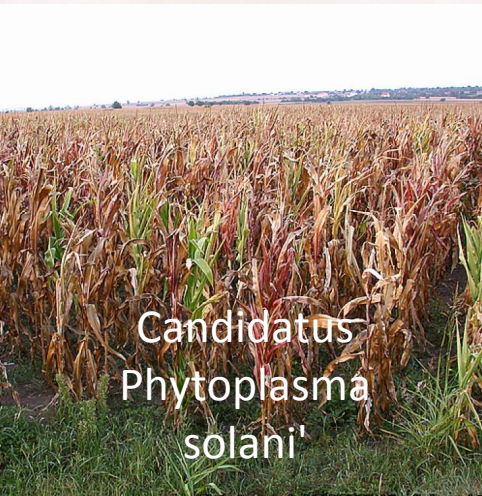


Lonsdalea populi

Hyalesthes obsoletus

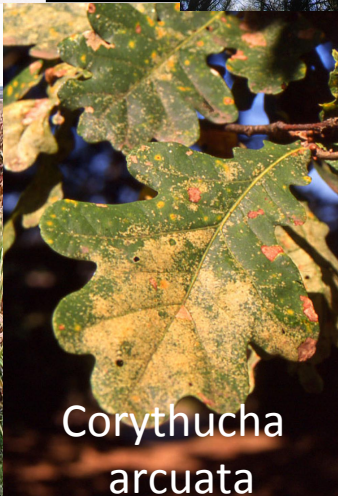


Candidatus Phytoplasma solani



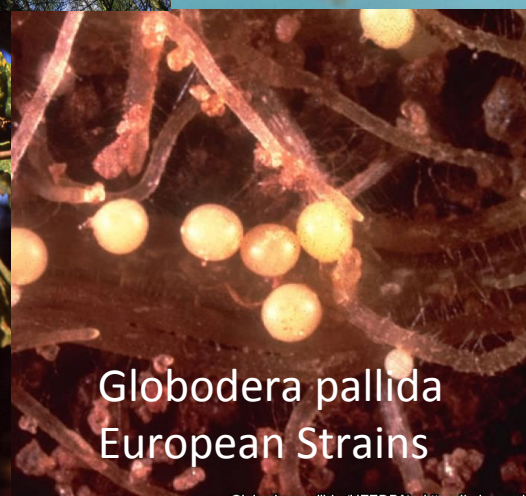
Candidatus Phytoplasma solani (PHYPSO) - https://gd.eppo.int

Corythucha arcuata



Corythucha arcuata (CORTAR) - https://gd.eppo.int

Globodera pallida European Strains



Globodera pallida (HETDPA) - https://gd.eppo.int

Platynota stultana



Heterobasidion irregulare



Heterobasidion irregulare (HETER) - https://gd.eppo.int

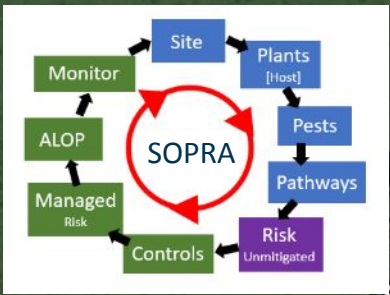


The Thirty-Nine Pests

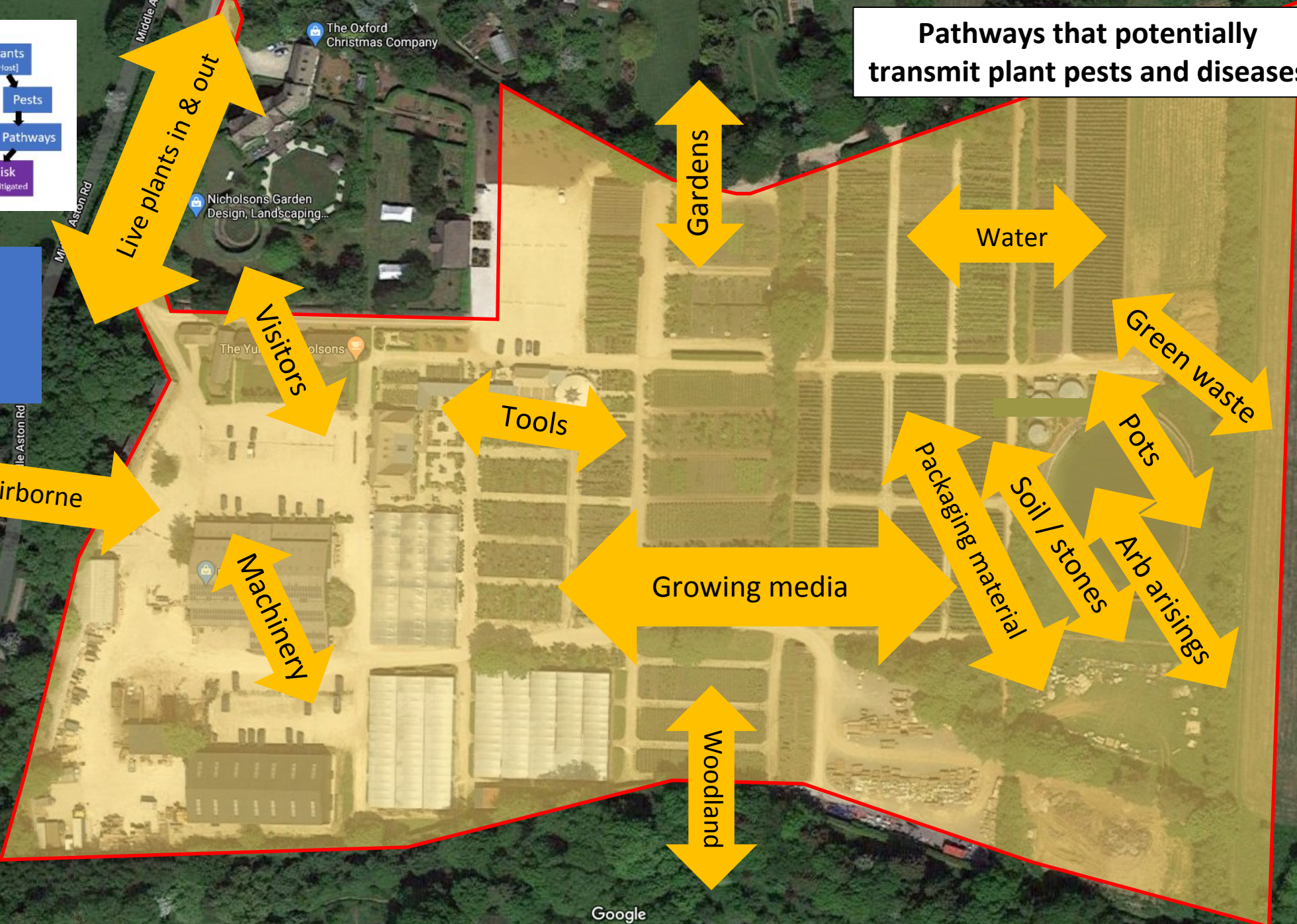
<i>Thaumetopoea processionea</i>	<i>Aromia bungii</i>	<i>Xylella fastidiosa</i>	<i>Agilus bilineatus</i>	<i>Phytophthora ramorum</i>	<i>Acute oak decline</i>	<i>Agilus biguttatus</i>	<i>Corythucha arcuata</i>	<i>Xylosandrus germanus</i>	<i>Bretziella fagacearum</i>
Oak processionary moth	Red-necked longhorn beetle	Xylella	Two-lined chestnut borer	Ramorum disease	Acute Oak Decline	Oak jewel beetle; Oak splendour beetle; Two-spot woodborer	Oak lace bug	Black timber bark beetle; Smaller alnus bark beetle; tea root borer	Oak wilt; Wilt of oak
Moth	Beetle	Bacteria	Insect	Oomycete	Other	Insect	Insect	Insect	Fungus
Present	Absent	Absent	Absent	Present	Present (Limited)	Present (Limited)	Absent	Present (Limited)	Absent
Quercus; Quercus calliprinos; Quercus cerris; Quercus petraea; Quercus pubescens;	Bambusa; Castanea mollissima; Diospyros kaki; Diospyros lotus;	Quercus rubra; Quercus suber	Castanea dentata; Quercus alba; Quercus coccinea; Quercus ellipsoidalis;	Quercus;	Quercus; Quercus cerris; Quercus ilex; Quercus petraea; Quercus pyrenaica; Quercus robur	Quercus; Quercus petraea; Quercus robur	Castanea dentata; Castanea sativa; Quercus; Quercus alba; Quercus aliena; Quercus	Quercus;	Quercus; Quercus alba; Quercus coccinea; Quercus ellipsoidalis; Quercus falcata;
45	36	30	100	80	75	75	60	60	50

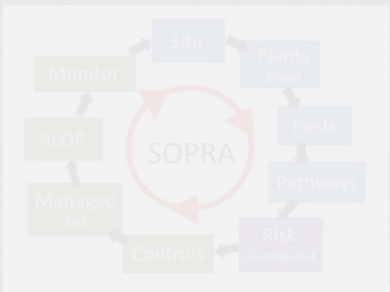
Notifiable Pests – *Quercus spp.*

Pathways that potentially transmit plant pests and diseases



Plant pest pathways

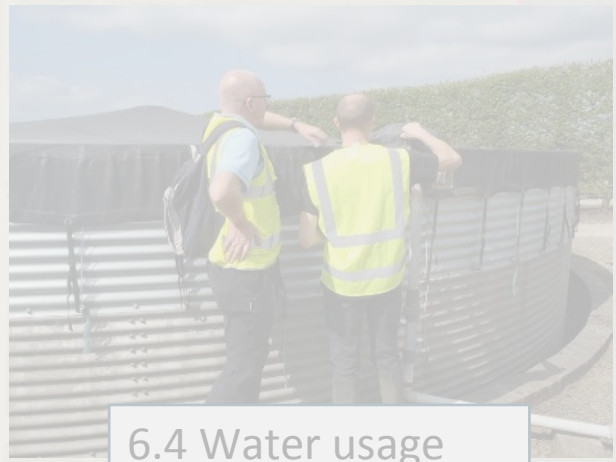




6.5 Cleaning and sterilisation



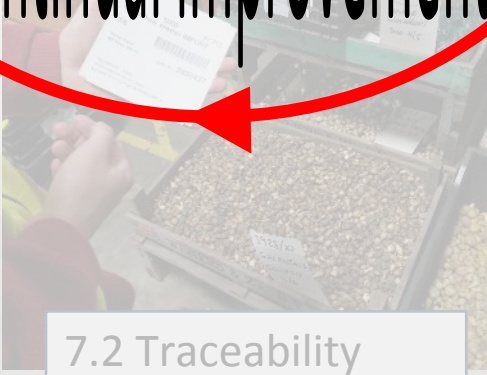
8 monitoring



6.4 Water usage



9 Training and recognition



7.2 Traceability



6.2 Growing media & soil 6.6 Waste

Self assessment and review Continual improvement

Growers, garden retailers, landscapers and arborists, together we can help protect our plants from destructive pests and diseases.

Plant Healthy Certification Scheme

[PLANT HEALTHY SCHEME MANUAL](#)

[DIRECTORY OF CERTIFIED BUSINESSES](#)

STAGE 1

Self Assessment

Register and complete the free Self Assessment Tool.

STAGE 2

Application

Apply to an approved certification body for an audit.

STAGE 3

Continual improvement

Key sources of information and training.

Plant Healthy Assessment v1.2

RESUME LATER

22%

2. Plant Biosecurity Policy


PURPOSE: Demonstrating the business or organisation's awareness of the threat posed by notifiable pests and their commitment to plant biosecurity

2.1 Plant Biosecurity Policy [CRITICAL]

A plant biosecurity policy must be in place and communicated to all relevant personnel 

Yes No N/A

2.2 Plant Biosecurity Policy Review

The Plant Biosecurity Policy must be reviewed at least annually as part of a continuous improvement process 

The review is signed and dated by a senior manager within the business as part of the process of continuous improvement

Yes No N/A

SAVE PROGRESS

BACK

NEXT

STAGE 1

Self Assessment

Register and complete the free Self Assessment Tool.

STAGE 2

Application

Apply to an approved certification body for an audit.

STAGE 3

Continual improvement

Key sources of information and training.

Grown in Britain (GiB)



GiB are a not-for-profit independent Certification Body that run a number of assurance schemes to improve the stewardship, health and resilience of trees and woodlands in the UK. They certify the whole supply chain from nurseries, to forests, through to timber processors.

They currently provide Plant Healthy auditing services for nurseries, garden centres, landscapers and public gardens, which covers home-grown and imported plant materials.

Contact Grown in Britain: growninbritain.org/plant-healthy/

NSF



NSF is a not-for-profit, non-governmental public health and safety organisation that are trusted by thousands of organisations worldwide. They have been helping businesses in the agriculture, food processing, equipment, restaurant, and retail industries to navigate the food safety and regulatory environment for over 75 years.

STAGE 1

Self Assessment

Register and complete the free Self Assessment Tool.

STAGE 2

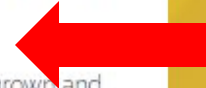
Application

Apply to an approved certification body for an audit.

STAGE 3

Continual improvement

Key sources of information and training.

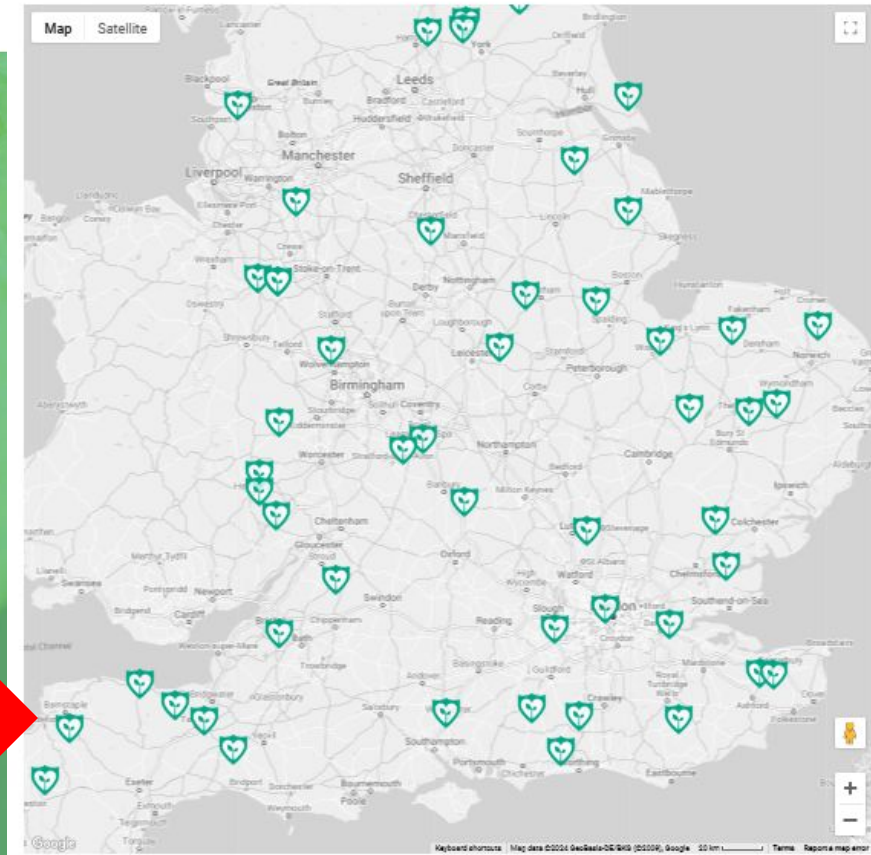


Growers, garden retailers, landscapers and arborists, together we can help protect our plants from destructive pests and diseases.

Plant Healthy Certification Scheme

PLANT HEALTHY SCHEME MANUAL

DIRECTORY OF CERTIFIED BUSINESSES



Certified businesses and organisations

Important - the presence of a member on the list of certified businesses and organisations confirms that the certificate is valid - even if the certificate date has expired (please see explanation at the base of this page)

Business Name	Date Certified	Cert' End Date	Cert' #	Issue #	Scope	Cert' Body	Status
Alba Trees Plc	24/11/2022	23/11/2024	PI ICS-0028-UK	02	Nursery	GIB	Certified
Allensmore Nurseries Ltd	15/09/2022	14/09/2024	PI ICS-0037-UK	02	Nursery	NSF	Certified
Arbor Farm UK Ltd	01/02/2024	31/01/2025	PI ICS-0058-UK	01	Nursery	GIB	Certified
Architectural Plants Ltd	14/02/2024	13/02/2025	PI ICS-0055-UK	01	Nursery Retail Landscaping	GIB	Certified





Plant Healthy Limited reposted this

 **Greenwood Plants Ltd**
3,287 followers
1d • 🌍

We're plant healthy! 🌱 🌿

Greenwood is absolutely delighted to announce that following an audit of our six UK nursery sites by Grown In Britain Ltd, we have been certified plant healthy 🌱

This comes as part of our ongoing commitment to biosecurity, and would not have been possible without the incredible efforts of the G team 🙌

To thank them, we had our own 'plant healthy' cake made, for the whole team to enjoy 🍰

Alistair Yeomans of the Plant Health Certification Scheme said "It's fantastic having an industry leader such as Greenwood on board with the Plant Healthy initiative. We are continually evaluating what we can do to improve biosecurity, and having key operators in the industry such as Greenwood actively adhering to these standards will help ensure we protect the British landscape as effectively as possible" 🌲 🌲

📖 Read more about the news here:
<https://lnkd.in/e9MjhPBY>





Evidence



Practice

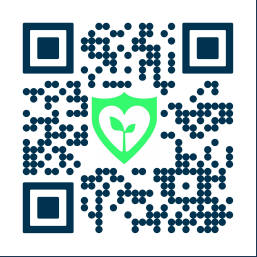
Knowledge exchange

Growers, garden retailers, landscapers and arborists, together we can help protect our plants from destructive pests and diseases.

Together, we can be

Plant Healthy.

www.planthealthy.org.uk



**Apply
Today**