



Scotland's Plant Health Centre

Funded by the Scottish Government

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Controlling the climate

Providing food

Supporting biodiversity

Making things

Social wellbeing

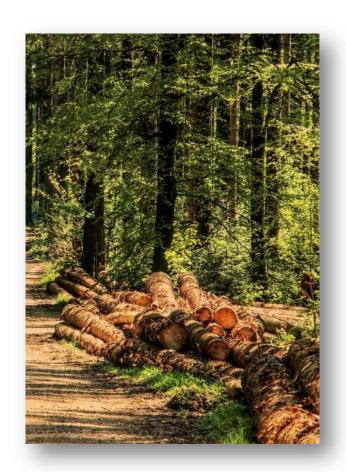


Plants in Scotland?



Plant health is at the heart of Scotland's rural economy and natural environment

- Rural economy £2 b
- Food and drink sector £14 b
- Food and drink exports £5 b
- Environmental benefits £21 b



Pests and diseases are already here



Increasing Plant Health risks



- Increased global trade
- Pressures of climate change



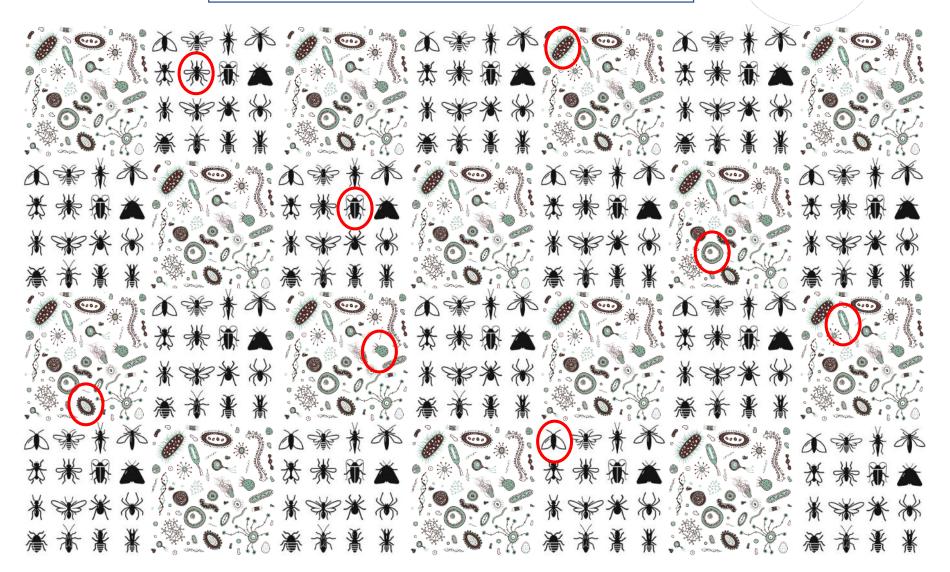


UK Plant Health Risk Register



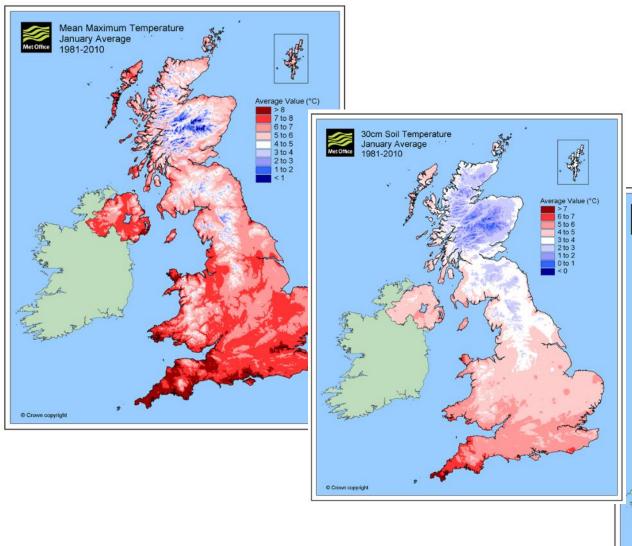


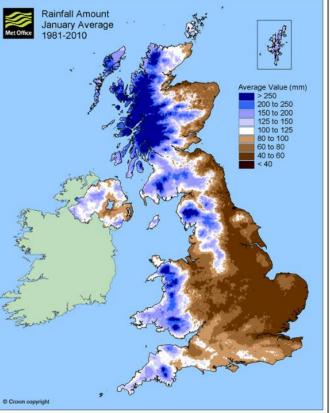
>1000 pests and pathogens threatening the UK



The Scottish climate







Scottish plants







The cost of Ash Dieback





2012

£15b



Emerald Ash Borer

- Killed >100m ash trees in USA
- Travelling west from Russian at 30 km / year
- Risk through wood packaging and timber trade



Xylella fastidiosa



A Centre of Plant Health knowledge in Scotland







CPHOS

Scot Gov

Industry
Public bodies
Landowners
Public



Scot Gov funded research

Wider research community

Plant Health Centre

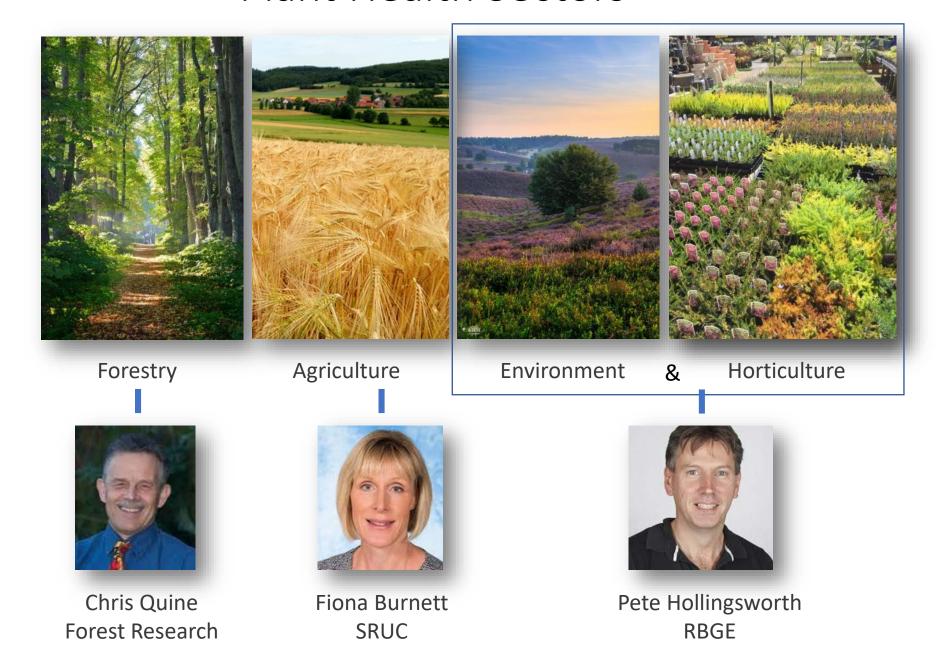


Plant Health Centre Directorate





Plant Health Sectors



What does the Plant Health Centre do?



Single access point for advice and knowledge

Focus on <u>Scotland's</u> plant health needs

Integrates plant health across sectors

Complement not duplicate work of other Scottish and non-Scottish orgs

What does the Plant Health Centre do?

Horizon scanning

Prioritise pests for Scotland

Improve access to data

Bring together knowledge networks

Short term evidence

Commission research to fill evidence gaps

Strengthen surveillance and emergency responses

Engagement with stakeholders



Regular government and stakeholder meetings





- One to One
- **Events**
- Centre-specific events



Horticulture

PHC Launch Event



- Royal Botanic Garden Edinburgh
- 60 participants
- Workshops on plant health needs
- Outputs to commissioning





Other Events and Meetings



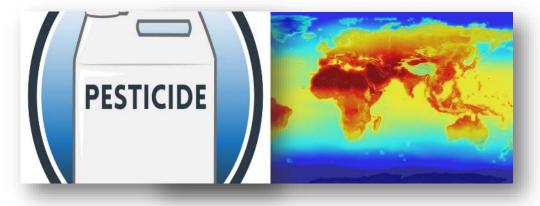


Commissioned projects





Specific threats



Spread, survival and control



Supporting Scotland's aims and challenges



Enabling, networking, cross sector working

Commissioned projects



Project	Environment	Forestry	Horticulture	Agriculture
Web resource				
P. ramorum				
Bark beetles				
Biodiversity strategy				
Xylella fastidiosa				
Xylella fastidiosa				
Xylella fastidiosa				
Network analysis				
Mobile technology				
Climate change				
Pesticide withdrawals				
Sharing solutions				
Metaldehyde				
PCN				
Zebra chip				

Zebra chip



- Candidatus Liberibacter solanacearum
- Vectored by Psyllids
- Big losses
 - USA New Zealand (Potato) Zebra chip
 - Finland (Carrot)





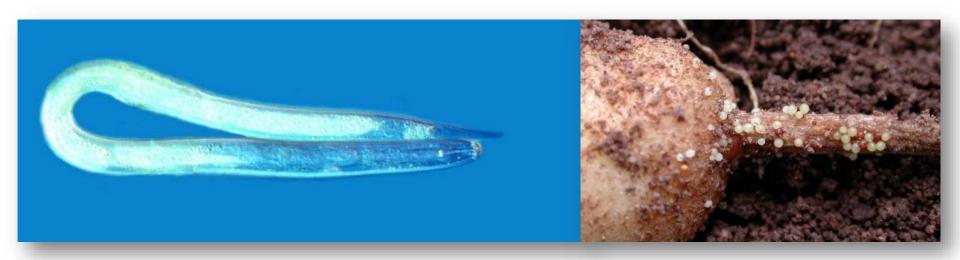


Potato Cyst Nematode



- Globodera rostochiensis
 - Present for decades
 - Good cultivar resistance
 - Population steady

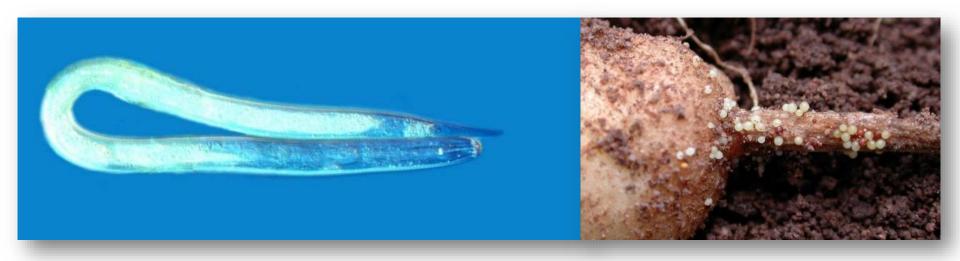
- Globodera pallida
 - Present for a decade
 - Poor cultivar resistance
 - Doubling every 6-7 years



Potato Cyst Nematode



- PCN management in other countries
- Model future risks: interventions and climate
- Grower behaviours and attitudes
- Economic analysis of impact in Scotland



Evidence Summary Reports



- Status
- Scottish-specific issues
- Knowledge gaps
- PHC perspective
- Key priorities and recommendations







Newsletters



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Scotland's Plant Health Centre

@PlantHealthScot

Bringing forestry, horticulture, environment and agriculture together to co-ordinate plant health knowledge, skills, needs and activities across Scotland

O Scotland, United Kingdom

@ planthealthcentre.scot

Joined February 2018

31 Photos and videos













Tweets Tweets & replies Media

13 Scotland's Plant Health Centre Retweeted

t1 Scotland's Plant Health Centre Retweeted

Adam Kleczkowski @aklecz · May 21

Visiting Białowieża forest to see damage to bark beetle #planthealth @PlantHealthScot. The forest still is fantastic, but huge lps damage



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Worldwide trends

#Ridge

1,885 Tweets

#AEWDoN

239K Tweets

#SundayMorning

6,634 Tweets

#SundayThoughts

15.2K Tweets

#SundayMotivation

8.702 Tweets

Kawhi

Raptors punch a ticket to the NBA Finals for the first time ever

Rantors

Raptors punch a ticket to the NBA Finals for the first time ever



PLANT HEALTH















International Congress on Plant Pathogenic Bacteria (ICPPB)

"The Impact of Plant Pathogenic Bacteria on Global Plant Health"

7th – 12th June 2020 Nicola Sante Iacobellis and Roberto Buonaurio

International *Erwinia* Meeting (IEW) 5th-6th June 2020

Invitation and abstract submission

Assisi, ITALY

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