New datasheets on plant pathogens of concern to the United States to be published in the Invasive Species Compendium

Invasive plant pathogens represent a threat to US agriculture, forestry and the environment. Accurate information on their biology, distribution range, hosts, impacts, diagnosis and management are required to prevent their introduction, eradicate new incursions or mitigate the damage they cause. The Invasive Species Compendium (ISC) is an open access encyclopedic resource published by CABI (www.cabi.org/isc) that brings together a wide range of different types of science-based information to support decision-making in invasive species management worldwide. It comprises over 2200 detailed invasive species datasheets that have been written by experts, edited by CABI, peer reviewed and enhanced with data from specialist organizations, images, maps, and a bibliographic database of abstracts and full text articles. Basic information is included on a further 6000 invasive species that await prioritization for more detailed expert attention. Over 1 million users visited the site in 2017.

The Federal Interagency Committee on Invasive Terrestrial Animals and Pathogens (ITAP) Subcommittee on Plant Pathogens has identified the worst plant pathogens that are either in the US and have potential for further spread, or represent a new threat if introduced. Of these, 50 requiring new detailed ISC datasheets have been selected for the project. In the first phase, 22 datasheets have been commissioned from experts and the editing, peer review and publication of these has begun. Completion of this set is due by the end of March 2019.

The datasheets will also be of interest to researchers, regulators, policy makers and risk assessors in other regions and will be included in the Crop Protection Compendium (www.cabi.org/cpc) which is a subscription product with more extensive coverage of crop pests, diseases and weeds, and also the Forestry Compendium (www.cabi.org/fc) where relevant.

Compendia datasheet information can be used to generate reports and lists of species from several starting points. For instance, a search for a country datasheet enables the user to view and download a list of all species recorded for that country. An alternative list is available from the new Horizon Scanning Tool which helps the user identify and categorize pests and invasive species that are NOT present in a 'country at risk' but may represent a threat because they occur in neighbouring countries, regions with similar climates, or countries with trade and transport links.

Development of Compendia websites is on-going and a new ISC platform will be launched in September under CABI’s Action in Invasives Programme. This will add new content to the Compendium focusing on major invasive species that affect livelihoods in the least developed countries and will provide new opportunities for the future.
Phase 1 datasheets:

**Anguina tritici**
‘*Candidatus Phytoplasma pini’*
‘*Candidatus Phytoplasma australiense’*
‘*Candidatus Phytoplasma solani’*
*Coniothyrium glycines*
*Cotton leaf curl complex*
*Cotton leaf curl Gezira virus*
*Cowpea mild mottle virus*
*Cucumber green mottle mosaic virus*
*Geosmithia morbida*

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**Pear blister canker viroid**
**Peronosclerospora philippinensis**
**Phytophthora alni species complex**
**Phytophthora austrocedrae**
**Plantago asiatica mosaic virus**
**Raffaelea lauricola**
**Raffaelea quercivora**
**Rathayibacter toxicus**
**Sclerophthora rayssiae var. zeae**
**Thecaphora frezii**
**Tomato apical stunt viroid**

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www.cABI.org/isc