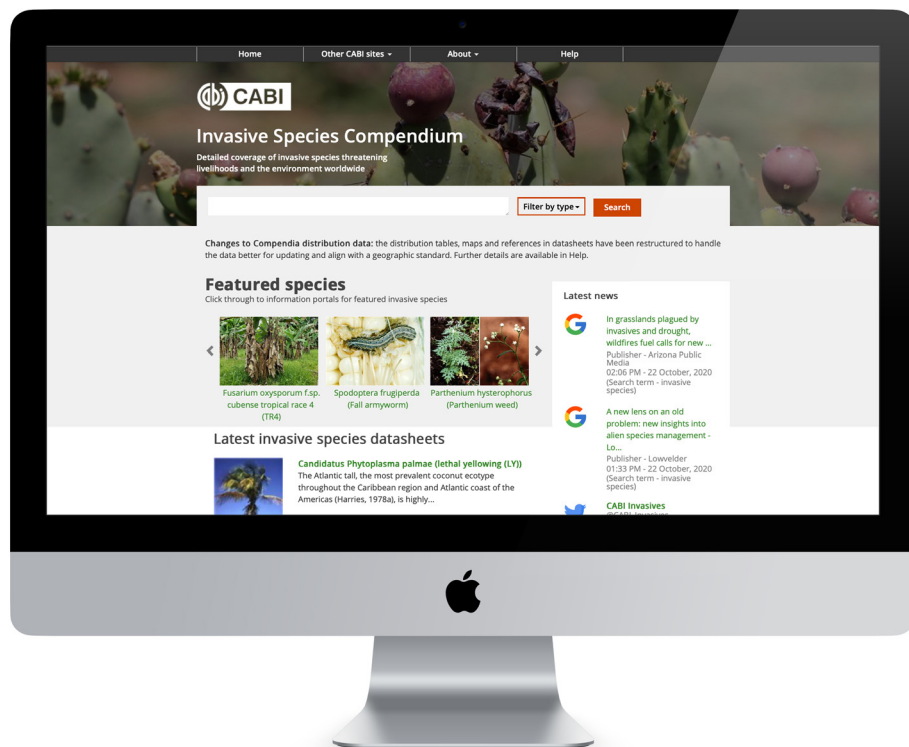




New datasheets on plant pathogens of concern to the United States published in the Invasive Species Compendium

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 2400 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 2 million users visited the site between October 2019 and October 2020.

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. In a two-phase project implemented between September 2017 and July 2020, datasheets covering 50 of the most important of these pathogens were commissioned from experts, edited, peer reviewed and published in the ISC.

Datasheets in the compendium are of interest to researchers, regulators, policy makers and risk assessors throughout the world. They will also 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 (www.cabi.org/horizonsscanningtool) 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 including the addition of new content to the ISC focusing on major invasive species that affect livelihoods in the least developed countries and will provide new opportunities for the future.

Datasheets:

Agropyron mosaic virus

Anguina tritici

Bipolaris victoriae

Blumeria graminis

'*Candidatus Phytoplasma australiense*'

'*Candidatus Phytoplasma phoenicium*'

'*Candidatus Phytoplasma pini*'

'*Candidatus Phytoplasma solani*'

'*Candidatus Phytoplasma trifolii*'

Citrus leprosis virus C

Clover yellow mosaic virus

Cocksfoot mottle virus

Coniothyrium glycines

Cotton leaf curl disease complex

Cotton leaf curl Gezira virus

Cowpea mild mottle virus

Cucumber green mottle mosaic virus

Cucurbit aphid-borne yellows virus

Diplodia seriata

Fusarium oxysporum f.sp. medicaginis

Fusarium oxysporum f.sp. niveum

Fusarium oxysporum f.sp. vasinfectum

Grapevine red blotch virus

Heterodera ustinovii

Kuehneola uredinis

Meloidogyne enterolobii

Meloidogyne incognita

Mycosphaerella gibsonii

Pantoea stewartii

Pear blister canker viroid

Pectobacterium brasiliense

Peronosclerospora philippinensis

Peronospora belbahrii

Phytophthora alni species complex

Phytophthora austrocedri

Phytophthora ramorum

Plantago asiatica mosaic virus

Podosphaera spiraeae

Pseudocercospora fuligena

Pseudomonas cichorii

Raffaelea lauricola

Raffaelea quercivora

Ralstonia solanacearum

Sclerophthora rayssiae var. zeae

Thecaphora frezii

Tomato apical stunt viroid

Tomato leaf curl New Delhi virus

Tuberose mild mottle virus

Verticillium dahliae

Xanthomonas vasicola pv. vasculorum

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