



Databases and tools for pest risk assessment – capacity development opportunities for countries

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Find pest and crop information in compendium datasheets

Links are provided to tools here

Browse the most recent datasheets

The screenshot shows the Crop Protection Compendium website. At the top, there is a navigation bar with links for 'Other CABI sites', 'Home', 'Overview', 'About', 'Help', 'Contact', 'Mobile', and 'Login'. The main header features the CABI logo and the title 'Crop Protection Compendium' with the tagline 'The world's most comprehensive site for information on crop pests'. Below the header is a navigation menu with tabs for 'Datasheets', 'Abstracts', 'Full Text', 'Library', 'Glossary', and 'More Resources'. A search bar is prominently displayed, allowing users to search over 27,000 datasheets and over 390,000 abstracts. Below the search bar, there are links for 'Advanced Bibliographic Search' and 'Advanced Datasheet Search'. The main content area is divided into sections: 'Tools' (including PRA Tool, Horizon Scanning Tool, and Sign up for pest alerts), 'Latest content' (featuring 'Spodoptera frugiperda (fall armyworm)' and 'Tomato brown rugose fruit virus (Tomato brown virus)'), and a detailed page for 'Spodoptera frugiperda (fall armyworm)'. This detailed page includes a 'Summary' section with a 'Last modified' date of 18 December 2021, a 'Taxonomic Tree' (Domain: Eukaryota, Kingdom: Metazoa, Phylum: Arthropoda, Subphylum: Uniramia, Class: Insecta), and a 'Host Plants and Other Plants Affected' list (Abelmoschus esculentus (okra), Acalypha (Copperleaf), Agrostis (bentgrasses), Agrostis gigantea (black bent), Agrostis stolonifera (creeping bentgrass)). There is also a 'Generate report' button and a 'Don't need the entire report?' section.



Use the **Horizon Scanning Tool** to identify potential invasive species that are not present in your country but are present in selected source areas

- Targeted users: risk assessors, plant protection officers, quarantine officers, protected area managers and researchers
- To identify pests already in neighbouring countries for surveillance, pathway management and contingency planning
- To quickly generate a pest list for a plant commodity pathway-initiated PRA
- To prioritize species for pest-initiated PRAs

CABI
Horizon Scanning Tool
Prioritizing invasive species threats

The Horizon Scanning Tool is a decision support aid that helps you identify and categorize species that might enter a particular geographic area from another geographic area.

Free	Premium
<ul style="list-style-type: none">• Refine by habitats, pathways and taxonomic groups• Access ISC datasheets	<ul style="list-style-type: none">• Refine by additional filters - plant hosts and plant parts in trade• Access ISC and CPC datasheets
Begin scan	Sign in / Sign up

The tool uses CABI data to generate a list of species that are absent from your selected 'area at risk' but present in 'source areas' i.e. geographic areas with similar climates to your 'area at risk', neighbouring areas or selected trading partners.

Using the Horizon Scanning Tool

- Select your 'area at risk' or area of interest which doesn't currently have a pest/invasive species present
- Select potential 'source areas' where species are present and act as points of entry to your 'area at risk'
- Scan for results
- View species results

Search for 'CABI Horizon Scanning Tool' in your browser to find out more



Conduct a PRA using the CABI PRA Tool

Home > CABI PRA Team

My Personal View | CABI PRA Team | FAOSFE Workshop 2021 | PRA case studies | PRA demos | PRA testing | Create New Team

The PRA Tool has been updated with a new report format for pest-initiated PRAs. If you have any feedback, particularly related to the PRA reports, please contact PRA@cabi.org.

Welcome back CABI PRA Team

PRA Home | My Team's Previous PRAs | My Team's Regulated Pest List | Team Management

Start a new PRA session

By Pathway ⓘ | By Pest ⓘ

My Team's Previous PRAs

Session number	PRA type	PRA title	PRA start date	PRA due date	Status	Last Modified	Completed	PRA report	Delete session
P03440	Pathway	Demo Lemons from Morocco to UK			In Progress	26/02/2021		Report	X Delete
P05173	Pathway	Demo Exporting rice seeds from India to Belize (excluding weeds and vertebrates)	11/02/2021		In Progress	22/02/2021		Report	X Delete
P05172	Pathway	Demo Exporting rice seeds from India to Belize	11/02/2021		In Progress	11/02/2021		Report	X Delete
P03442	Pathway	Demo Mangoes from India to Italy			In Progress	11/12/2020		Report	X Delete

- Targeted users: risk assessors in NPPOs
- Initiate a PRA 'By Pathway' or 'By Pest'
- Generate plant commodity pest lists
- Use CPC data for pest categorization
- Save your own pest status information
- Use templates that are closely aligned to ISPMs 2 and 11 for risk assessment and to select risk management options
- Work in a team, online and offline

Gratis subscriptions available to NPPOs **117** lower- and middle-income countries

Please contact PRA@cabi.org for further information



PRA Trainings- Commodity and Pest Initiated PRAs

2021	2022
March: Eastern Africa region – 9 countries, 24 participants	PRA workshop in Ghana in February 2022, 22 specialists;
June: SADC region – 16 countries, 59 participants	PRA write-shop for Kenya (KEPHIS) in July 2022; 15 pest-initiated PRAs finalized
November: SADC – 3 countries, 20 participants	SADC PRA Training, 87 specialists from 14 SADC countries in August 2022 (SADC MS PRA teams and PRA protocol)
December: ECOWAS – 11 countries, 37 participants	Ethiopia training in May 2022- 20 participants
	Uganda Training September 2022 - 15 participants
	COLEACP-CABI training for Caribbean countries -19 trainees ; 15 PRAs

Usage of the Pest Risk Analysis Tool

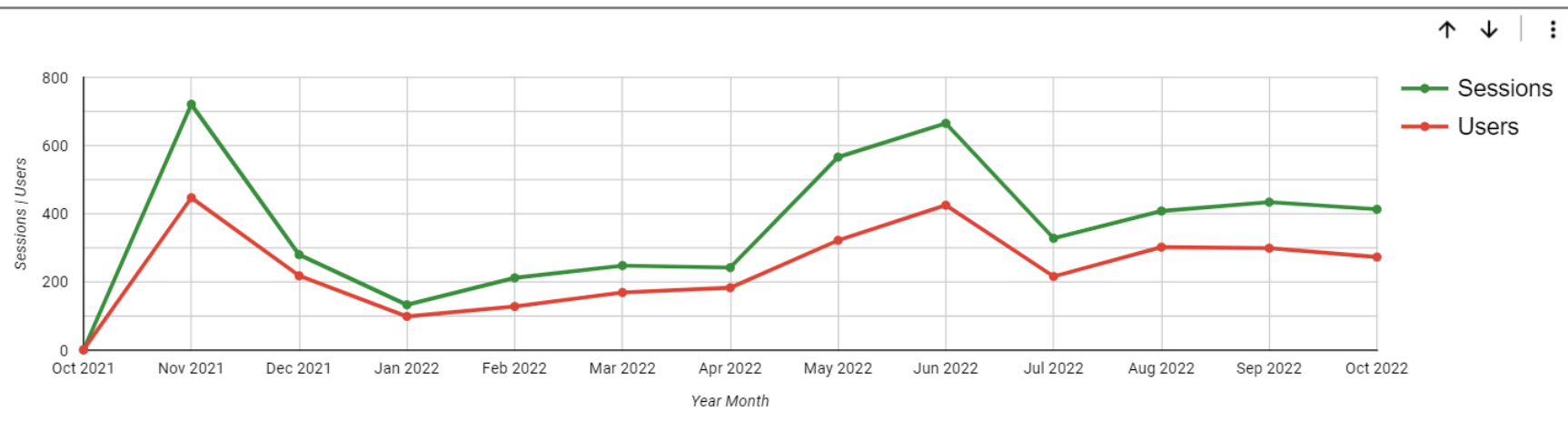
Oct 30, 2021 - Oct 30, 2022

Users
1,072

Visits
4,651

Page Views
37,472

Avg. Visit Length
21:41



COUNTRY	USERS	VISITS
Kenya	123	414
Indonesia	72	138
Pakistan	59	346
Ethiopia	39	315
Zambia	39	405
Ghana	36	245
Guinea	35	189
Namibia	35	135
Angola	35	144
South Africa	28	81
Uganda	26	152
Trinidad & Tobago	21	86
Suriname	20	149
Philippines	15	25
Grenada	14	39
Madagascar	13	28
Malaysia	12	41
Jamaica	12	99
...
Grand total	841	4,001

- Countries receiving training rank highest in the usage of the PRA Tool

Challenges & Opportunities for Capacity Building on PRA

- More trainings on PRA and decision support tools/databases
 - Tools to assess likelihood of pest establishment
 - BIO-CLIM, CLIMEX
 - Decision support tool to aid the selection of appropriate measures for reducing risk and facilitating the safe movement of plants and plant products
- Increase horizon scanning activities
- Establish/strengthen PRA teams
- Establish national/regional harmonised approaches for PRA
- Extend scope to BCA and LMOs
- Share good PRA practices





Future improvements for the CABI tools

- Additional features for pest prioritization in the Horizon Scanning and PRA Tools
- PRA Tool translations, French as priority
- Conduct regional/trade bloc risk assessments
- PRA Tool addition for risk analysis of BCAs and LMOs (intentional introductions)
- Address climate change in horizon scanning and PRA
- Use of CABI Tools for Self-study online PRA training programmes

شكرا جزيلًا
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 merci
 शुक्रिया
 xie-xie
 obrigado
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thank you
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