



Pest Risk Analysis decision support tool

Help

Pest initiated PRAs

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About the Tool

The Pest Risk Analysis tool is a decision support tool that presents scientific information from the CABI Crop Protection Compendium (CPC) to aid the selection of appropriate measures for reducing the risk of pest introduction and facilitating the safe movement of plants and plant products.

Features include:

- A framework in which risks associated with the importation of plant commodities and the introduction of pests into new areas can be identified and assessed
- PRA initiation 'By Pathway' or 'By Pest'
- Generation and categorization of pest lists associated with a commodity pathway
- Facilities for users to add new information and overrule existing Compendium data
- Links to relevant Crop Protection Compendium datasheets
- A template to complete risk assessments for individual pests

- A template to assign management measures to each pest identified as a risk
- An editable report of all stages of a PRA

Sign in

Sign in via a MyCABI account. Login credentials are the same as MyCABI credentials on the CPC and other CABI sites.

If you do not already have a MyCABI account, you can register on the PRA login screen.

Signing out of MyCABI

It is recommended you close your PRA session when you have finished, either by:

- Closing the browser tabs you have been using
- Signing out of MyCABI

The tool is structured around the three stages of Pest Risk Analysis

Stage 1: Initiation - identifying the reason for the PRA and the pest of concern to the PRA area

Stage 2: Risk assessment - determining the probability of entry, establishment, spread and potential consequences of an individual pest in order to determine whether it meets the criteria of a regulated pest;

Stage 3: Risk management - selecting the appropriate management options to reduce the risks identified in Stage 2.

For further guidance on the PRA process please refer to the International Standards for Phytosanitary Measures developed by IPPC, in particular [ISPM 2](#) and [ISPM 11](#) at <https://www.ippc.int/en/core-activities/standards-setting/ispms/>

For queries about this tool, please contact PRA@cabi.org.

[View your home page](#)

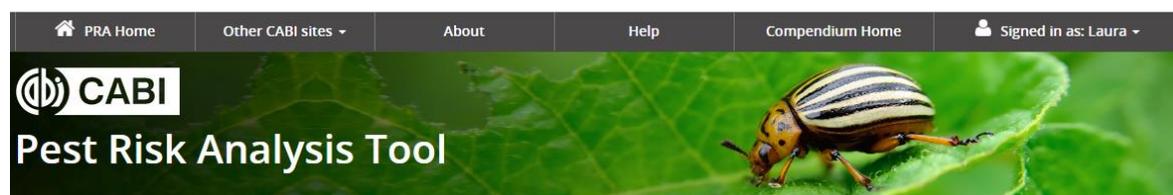
[A list of other relevant CABI sites](#)

[Background information on the tool](#)

[Access to the full help document](#)

[Links to the CPC home page](#)

[Sign in/out of the tool here](#)



Home page

Once you have created your MyCABI account, you will have access to your home screen.

This screen has three tabs

- **PRA Home** – to view your five most recently created and/or edited pest risk analyses
- **Previous PRAs** – to view all pest risk analyses that you have created
- **My CABI** – to edit your MyCABI personal details.

PRA Home page

To **start a new pest initiated pest risk analysis:** select the **By Pest** button

To **download an existing PRA report:** select the Report hyperlink button

To **delete a PRA session:** select the **Delete** button

Note: this will permanently delete the selected session.

View the status of reports

- In progress – this indicates that the pest lists have been generated and some of the risk assessment / risk management stages may have been started.
- Complete – this PRA has been marked as complete (see date of completion in the adjacent cell).

PRA Home	Previous PRAs	My CABI
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Start a new PRA session

By Pathway	i	By Pest	i
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Recent PRAs

Session number	PRA type	PRA title	PRA start date	PRA due date	Status	Completed date	PRA report	Delete session
P00006	Pathway	Coconut from Solomon Islands to Fiji	08/11/2018	15/11/2018	In Progress		Report	X Delete
P00731	Pest	FAW in Australia			In Progress		Report	X Delete
P00713	Pathway	Importing coconut from Solomon Islands to Fiji			In Progress		Report	X Delete
P00404	Pathway	Importing onions to Dominica from the Netherlands	05/06/2019	04/07/2019	In Progress		Report	X Delete
P00690	Pest	FAW in Algeria			In Progress		Report	X Delete

Previous PRAs

View all Pest Risk Analysis forms created in your account.

All columns in this **table can be sorted AZ / ZA** and **filtered** to facilitate navigation through larger lists.

A maximum of 25 PRAs will be listed per page, use the pagination icon at the bottom of the table to navigate through multiple pages.

PRA Home	Previous PRAs	My CABI
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Previous PRAs

Session number	PRA title	PRA start date	PRA due date	Status	Completed date	PRA report	Delete session
P00103	Importing onions to Kenya from China	09/Oct/2018	29/Mar/2019	In Progress		Report	X Delete
P00102	Importing apples to Kenya from South Africa	07/Oct/2018	28/Feb/2019	In Progress		Report	X Delete
P00101	Importing pears to Kenya from South Africa	06/Oct/2018	27/Feb/2019	In Progress		Report	X Delete
P00100	Importing citrus to Kenya from Egypt	04/Oct/2018	22/Feb/2019	In Progress		Report	X Delete
P00099	Importing wheat to Kenya from Poland	01/Oct/2018	28/Dec/2018	In Progress		Report	X Delete

My CABI

Make changes to the contact details stored in your MyCABI account.
Make changes to contact preferences.

PRA Home

Previous PRAs

My CABI

My Profile

First Name**Last Name****Email****Role/job****University**

- I am happy to be contacted for user feedback
- I am happy to be contacted about CABI product and services

[Update profile](#)

[Delete My CABI Account](#)

Initiation

Details of the PRA are entered in this screen. The information added to the search for a pest field is used to search the Compendium data to link to relevant datasheets.

Search for a pest: start typing to search the CPC for a species. Searching the CPC will allow the tool to provide a link to the species datasheet.

Initiation: By Pest

Pest name *
Search the Crop Protection Compendium to link to a pest datasheet. Or if you cannot find the pest in the search dropdown you can add a new pest

Search for a pest Or add a new pest name

Country at risk *
Select country

Suggested title for PRA (this can be edited) *
<Pest name> in <country> (100 characters left)

PRA start date
PRA due date

PRA area
An officially defined country or part of a country for which the pest risk analysis is being conducted. Define as precisely as possible.
 (3000 characters left)

Define scope of PRA
This can include information on:

- Reason(s) why the PRA is required
- Details of the pathway
- Mode(s) of transport

 (3000 characters left)

Reason for PRA
Select reason for PRA

Do previous PRAs exist for this pest?

References

If the species does not appear in the drop down, it is not in the CPC. Use Add new pest name which is a free text field

Do previous PRAs exist for this pest? Selecting Yes will open up two additional text boxes:
Details of previous PRAs for the pest in the PRA area
Details of other relevant PRAs for the pest .

Expand the **reference box** to add references. This text box will be visible throughout the tool and can be edited and added to at any point. All references added to his text box will be added to a reference section in the report.

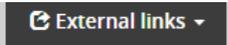
*Pest name, country at risk and title are compulsory fields.

Next

Links to Categorization, the next stage of the PRA.

Navigation in the tool

Two links are also available throughout the tool

 External links ▾	Opens a new tab and provides a list of external resources
 Help	Links to the Help page



The tool is designed around **four tabs that you can access at any point** in the PRA process:

- Categorization
- Risk assessment
- Risk management
- PRA summary

There is also a **breadcrumb trail** that allows for navigation throughout the tool:

Home > Initiation: By Pest > Categorization > Risk Assessment > Risk Management > PRA summary

Categorization

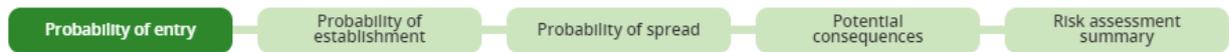
Categorization is a rapid assessment of the pest's identity, distribution and potential impacts to determine whether the pest potentially requires phytosanitary measures

- If the pest does not fulfil criteria to qualify as a quarantine pest, the PRA process can stop.
- If the pest does fulfil the criteria to qualify as a quarantine pest or in the absence of sufficient information, the uncertainties should be identified and the PRA process should continue to the risk assessment stage.

A quarantine pest is defined as: A pest of potential economic importance to the area endangered thereby and not yet present there, or present but not widely distributed and being officially controlled (FAO, 2019 [ISPM 5](#)).

Risk assessment

Risk assessment is composed of five tabs:



Under the first four tabs there is a set of questions. Text can be added below each question. Guidance is provided for some questions under Factors to consider. These Factors to consider can be used for guidance or copied into the text box to use as headings.

Next to each question, there are two drop down lists: Rating and confidence level. These are selected manually to allow you to assign a summary rating and confidence level for probability of entry, probability of establishment, probability of spread and potential consequences before deciding whether the pest requires phytosanitary measures.

Ratings available are:

Not assessed
Negligible
Low
Medium
High

Confidence levels available are:

Not assessed
Low
Medium
High

Summary section

At the bottom of each tab there is the option to provide a summary rating and confidence level along with some text to conclude the output for probability of entry, probability of establishment, probability of spread or potential consequences:

Summary

Add summary rating

Add summary confidence level

Add a summary note

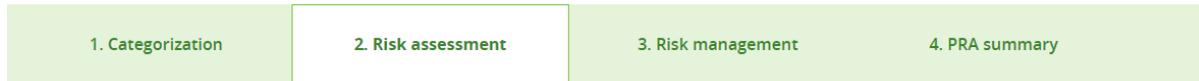
▲ References

Saves and remains on the risk assessment page

Saves and moves onto the next stage of the risk assessment

Probability of entry

Relevant pathways for introduction can be selected and assessed as part of the risk assessment process.



Risk Assessment for Spodoptera frugiperda (fall armyworm)



How might Spodoptera frugiperda (fall armyworm) enter the PRA area?

Select relevant pathways for introduction. Pathways can represent any means that allow the entry or spread of a pest. Selected pathways will be assessed individually for probability of entry and risk management

[+ Add pathway](#)

You have not currently selected any pathways

Summary note for probability of entry

[+ Add pathway](#)

Selecting Add pathway opens a pop-up window

Add pathway ✕

--Select pathway--

Pathway description

(500 characters left)

▼ 1. What is the probability of the pest being associated with the pathway at origin? Add rating

Factors to consider

- prevalence of pest in the source area
- occurrence of life stage able to associate with pathway
- seasonal timing
- pest management procedures applied at place of origin

Not assessed ▼

Add confidence level

Not assessed ▼

A dropdown list of predefined pathway is available. Additional details on the pathway being assessed can be added to the pathway description field.

Custom pathway can be added by selecting 'Other' from the pathway dropdown

There are a four risk assessment questions, addressing probability of entry, which can be answered for each pathway selected. Each pathway is assessed individually.

Summary

Add summary rating Add summary confidence level

Add a summary note

A summary statement, rating and confidence level can be added to conclude the probability of entry of the pest associated with that particular pathway.

Do you consider this pathway a major or a minor pathway?

Major Minor

The option selected (Major OR Minor) is added to the report.

Does this pathway require management measures?

Yes No

Yes: the pathway will be added to the risk management stage, so that management measures can be assigned to that specific pathway.
No: the pathway will not be added to the risk management stage.

Save

Selecting Save will close the window and add all relevant information to the probability of entry summary page.

The Probability of entry summary page lists all pathways that have been assessed.

Added pathways						
Pathway	Summary rating	Summary confidence level	Major/minor pathway?	Pathway requires management measures?	Edit pathway	Delete pathway
Budwood/graftwood	Medium	Medium	Minor	No	Edit	✖ Delete
Seeds for planting	Medium	High	Major	Yes	Edit	✖ Delete

Summary note for probability of entry

The table displays all pathways that have been assessed, the summary rating and confidence levels and whether the pathway requires specific management measures. A summary statement can be added for the probability of entry of the pest, considering all pathways identified and assessed.

[Preview PRA Report](#)

Risk assessment summary

The Risk assessment summary page contains a table with the summary ratings and confidence levels selected for probability of entry, probability of establishment, probability of spread or potential consequences.

Edit

Select to return to the risk assessment and edit the relevant tab.

Based on the information included in the risk assessment, the decision should be made as to whether the pest requires phytosanitary measures. This completes the risk assessment stage:

Does the pest require phytosanitary measures?

Yes No

Yes – the option to continue to risk management will appear

No – the PRA can end

Risk management

The Risk management form lists all pathways that were identified as requiring phytosanitary measures at the probability of entry stage and contains a predefined set of phytosanitary measures to address post-entry management measures.

Select an appropriate phytosanitary measure by clicking on the check box and **adding details** in the text box underneath.

Risk management for: **Agonoxena pyrogramma**

▲ At the place of production

<input checked="" type="checkbox"/> Inspection or testing	<input type="checkbox"/> Post-harvest treatment
Type your note here... <small>(1000 characters left)</small>	Type your note here... <small>(1000 characters left)</small>
<input type="checkbox"/> Treatment of crop, field or place of production	<input type="checkbox"/> Specially protected growing conditions
Type your note here... <small>(1000 characters left)</small>	Type your note here... <small>(1000 characters left)</small>

Once all risk management options have been considered this stage can be marked as complete:

Are management options for **Agonoxena pyrogramma** complete?

Yes No

Pest risk analysis summary

What information is in the table?

The Pest risk analysis summary tab provides a summary of the risk assessment ratings and the management options selected for each pathway and post entry. Management options can be edited by returning to the Pest risk management tab.

There are two text boxes available to add a summary and details of next steps:

PRA summary notes
Type your note here...

(1000 characters left)

Next steps
Type your note here...

(1000 characters left)

Save and return to pest list

Change PRA status to complete

The PRA can be finalized by clicking on the **'Change PRA status to complete'** button below.

The PRA will then show as 'complete' in your recent PRAs and previous PRAs on the homepage. You can still go back and edit the PRA at any time by clicking on the PRA title in the recent PRAs and previous PRAs tables.

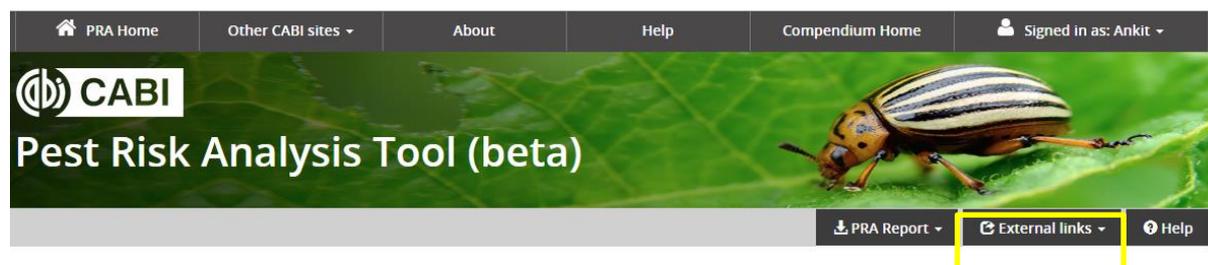
Report

The report output can be generated at any stage of the PRA process.

The report will initially be generated as an HTML document but can be exported as a Word document by selecting the download button:



External links



A dropdown of relevant websites is provided.

International Organizations

[Food and Agriculture Organization \(FAO\)](#)

[IPPC International Phytosanitary Portal \(IPP\)](#)

[International Seed Federation \(ISF\)](#)

[Standards and Trade Development Facility \(STDF\)](#)

[World Trade Organization \(WTO\)](#)

[Regional Plant Protection Organizations \(RPPOs\)](#)

[National Plant Protection Organizations \(NPPOs\)](#)

Phytosanitary Standards and Regulations

[IPPC International Standards for Phytosanitary Measures \(ISPMs\)](#), see particularly and [ISPM 2](#) and [ISPM 11](#) for PRA and [ISPM 5](#) for a glossary of phytosanitary terms

[WTO Sanitary and Phytosanitary Measures](#)

[EPPO Platform on PRAs](#)

Agricultural Production and Trade Statistics

[FAOSTAT](#)

[UN Comtrade Database](#)

[USDA Foreign Agricultural Service \(FAS\)](#)

[IPPC PRA Training Materials](#)