



# Pest Risk Analysis Tool

## Pathway-initiated PRAs

This user guide focuses on the workflow for compiling plant commodity pathway PRAs. Additional documents cover general aspects of using the tool ('Getting started'), logging in and conducting pest-initiated PRAs.

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## Introduction

The PRA Tool currently has two workflows for conducting a PRA: **By Pathway** or **By Pest**:

A pathway-initiated PRA is focused on a single pathway which may have multiple pests associated with it. This type commonly arises from a request to import a new plant commodity or a commodity from a new country of origin.

A pest-initiated PRA is focused on a particular pest that may have multiple pathways of entry. This type may arise from a new information about the pest, a pest alert, interception or the results of a horizon scanning exercise.

This user guide describes the process for conducting a **pathway-initiated PRA** in the CABI PRA Tool.

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

**Stage 1:** Initiation – documenting the reason for the PRA and identifying the pests that may be introduced to the PRA area via the pathway;

**Stage 2:** Risk assessment – determining the likelihood of entry, establishment, spread and potential consequences of individual pests associated with the pathway in order to decide whether phytosanitary measures are required;

**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/>

## Initiation

Details of the PRA pathway are entered on this page. The information added to these fields is used to search the Compendium (CPC) data to generate pest lists. The search also incorporates any relevant user modifications to pest status made in the tool that will overrule the CPC. The title, selection of **Demo** mode on or off, importing and exporting country/area, and crop are mandatory fields.

When selecting a crop by common name, please check the scientific name is correct. You may also find that there are multiple entries for common crops under the genus and individual species names, please select all that apply to ensure the pest list is complete.

Once you have generated the pest lists you can no longer edit the 'Demo' mode, exporting and importing countries/areas, crops and commodity types in the initiation page. To make changes to these fields, you will need to start a new PRA session from the Home page. The other text fields can be edited.

Please note that the pest lists are not updated by later changes to the Compendium data or to pest status modifications made outside the current PRA.

**You do not need to save the pest lists** – these are automatically saved once generated.

## Initiation: by Pathway

### Title \*

Name the session for future reference

Importing onions for consumption from South Africa to Zambia

(40 characters left)

### Is this a demo or test PRA? \*

Yes	No
-----	----

**Demo mode** is for demonstration and learning purposes. Select this option if you do not want the pest information you add to this session to be used in later PRAs

### PRA start date

01/Jan/2021

### PRA due date

30/Sep/2021

### 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.

Zambia

(2994 characters left)

### Initiation and scope of the PRA

This can include information on:

- Details of the applicant
- Reason(s) why the PRA is required
- Details of the commodity (species, variety, condition (such as fresh, dried or processed))

Request from an importer to meet high demand. Cured multi-sized onion bulbs in their skins, cleaned to removed soil, with minimal root material attached and pseudostem trimmed to 2 cm sourced only from registered producers in the Transvaal region.

(2753 characters left)

The importing and exporting countries and crops selected will be used to generate pest lists from CPC data.

Start typing and select from the picklists below.

### Country/area of origin \*

South Africa

### Importing country/area \*

Zambia

### Select the crop(s) being imported \*

Start typing (3 characters required)

Imported crop	Remove
Allium cepa (onion)	

Start typing the country and crop to select from the picklists

### Select the commodity type

This is an optional section that may help to reduce the pest list results. Select all plant parts that make up the commodity to be imported.

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> All                                       | <input type="checkbox"/> Fruits including pods              | <input type="checkbox"/> Seedlings, micro-propagated plants                        |
| <input type="checkbox"/> Bark                                      | <input type="checkbox"/> Growing medium accompanying plants | <input checked="" type="checkbox"/> Stems (above ground), shoots, trunks, branches |
| <input checked="" type="checkbox"/> Bulbs, tubers, corms, rhizomes | <input type="checkbox"/> Leaves                             | <input type="checkbox"/> True seeds including grain                                |
| <input type="checkbox"/> Flowers, inflorescences, cones, calyx     | <input type="checkbox"/> Roots                              |  |

The **commodity type** selection is optional – select all the plant parts that constitute the commodity to focus the pest list, or skip

### Do previous PRAs exist for this or a similar pathway?

Yes	No
-----	----

### Weed potential of the commodity

Is the commodity itself likely to become an invasive weed? It may be necessary to conduct a separate weed risk assessment using the By Pest option on the Home page.

Allium spp. are not weeds of concern.

### Description of the pathway

This can include information on:

- Production area
- Existing practices for harvesting, processing and packaging
- Mode and route of transport

Transport will be by overland truck in disinfected crates.

Select **Generate Pest List** to continue to the next stage and view pest lists compiled from Compendium data and any pest distribution updates you have added via other PRAs (not created in 'Demo' mode)

### Add commodity volume/quantity

To be confirmed

### References

Expand the **References** box to add full citations. This text box will be accessible throughout the tool and can be edited and added to at any point. References are included in the PRA report

Generate Pest List

## Excluding pest groups that are not of interest

The pathway search often generates long lists of pests that are recorded from the crop (in the field or greenhouse) and are present in the country/area of origin. Because there are incomplete data associating pests with more specific commodity types in trade, the use of the commodity filter to refine the search may not reduce the number of results substantially. If you wish to focus your PRA on certain pest groups only, you can select the groups here and the others will be removed. Those groups cannot be added back into the PRA after generating the pest list however; another PRA is required to make that choice again.

### Pest groups to include in this PRA

The compendium search can generate large lists of pests associated with the pathway. Take this opportunity to exclude pest groups you are not interested in for this PRA

<p>Show me all pests I do not want to refine my list</p> <p><b>Generate full list</b></p>	<p>Let me select groups of pests Refine my list and exclude pests I am not interested in (this operation cannot be reversed)</p> <p><b>Select groups of pests</b></p>
---	---

### Select pest groups you are interested in:

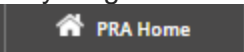
Numbers refer to the pests that are reported on the selected crop and are present in the country/area of origin according to CPC data

<input type="checkbox"/>	Plants (16)
<input checked="" type="checkbox"/>	Bacteria (7)
<input checked="" type="checkbox"/>	Viruses (9)
<input checked="" type="checkbox"/>	Fungi/Chromista (34)
<input checked="" type="checkbox"/>	Invertebrates (46)
<input type="checkbox"/>	Diseases of unknown aetiology (1)

**Confirm selection**

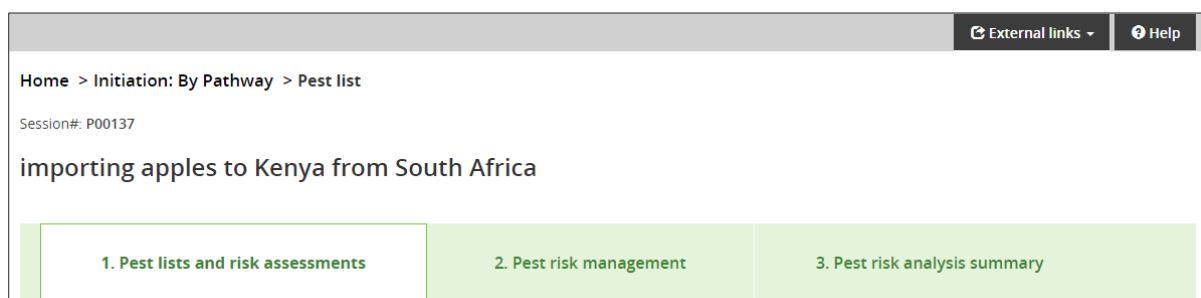
The excluded pest groups are recorded in the PRA report.

## Navigation in the tool

The Home page can be accessed at any stage of the PRA process via the **breadcrumb trail** at the top of the page or by selecting  in the top left-hand corner on the tool. It is recommended that you use these options rather than the back arrow on your browser because this ensures that the system closes the windows properly.

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

- [Pest lists and risk assessments](#)
- [Pest risk management](#)
- [Pest risk analysis summary](#)



## Pest lists

To familiarize yourself with this tab, please try the page tour

[Take a page tour](#)

Two lists of pests are generated from the pathway details entered at the initiation stage. The pests are categorized based on Compendium data:

### Pests potentially requiring phytosanitary measures

- Present in the country/area of origin
- Absent in the importing country/area
- A pest of the crop selected
- Liable to be carried in or on the commodity type selected or there is no data on the commodity type for that pest (this is an incomplete dataset)

Individual risk assessments can be completed on pests included in this table but first it is recommended that you conduct additional research to improve the accuracy of the pest list. Pests in this table can be excluded from the assessment if the above criteria are not met (see **User actions**).

### Pest excluded from the assessment

- Present in the country/area or origin
- Present in the importing country/area
- A pest of the crop selected
- Liable to be carried in or on the commodity type selected or there is no data on the commodity type for that pest (this is an incomplete dataset)

Pests in this table can be included in the assessment if you have additional information that disagrees with the Compendium data and indicates that it is not present in the importing country/area or is already regulated there, or is potentially transported with the commodity (see **User actions**).

Select the list you wish to view by selecting the button next to the relevant list title:

1. Pest lists and risk assessments

2. Pest risk management

3. Pest risk analysis summary

Categorized pest lists

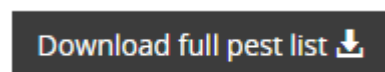
Pests have been categorized into two lists based on CABI's distribution data and details of crop and commodity types entered at the Initiation stage. Select which list to view below:

Pests potentially requiring phytosanitary measures  
 Pests excluded from assessment

Or view both lists by downloading the full pest list [Download full pest list](#)

## Full pest list

The full pest list is the combination of the two lists detailed above. The title of the PRA and date of download, and URLs to relevant Compendium datasheets will also be added to the CSV file for download.



The full pest list is also included in Appendix I of the PRA report output. The CSV file is a generic spreadsheet format and can be opened in MS Excel and other applications.

## What information is provided in the table?



An extract of a table of 'Pests potentially requiring phytosanitary measures' is included below. It provides a button to access the **Risk assessment** and shows the data used to categorize each pest, any user modifications and annotations to the pest status and, in the final column, provides access to various **User actions** which enable you to work on finalizing this pest list.

The Compendium does not hold quarantine pest lists and other regulatory information. Regulatory status can be added manually by the risk assessor in a PRA or via the **Regulated pest list** on the Home page.

Please note that the pest list is generated when the PRA is first created, any subsequent updates to the pest information in the Compendium, or user modifications, will not be reflected in the pest list for the existing PRA.

Risk assessment	Pest name	Type	On crop	On commodity type	Country/area of origin	Importing country/area	Number of countries where present	Regulatory status	Notes	Modified by user	User actions
<a href="#">Select assessment</a>	Aleurodicus dispersus (whitefly)	Arthropoda	Yes	Yes	Present	Absent	73				...
<a href="#">Select assessment</a>	Aonidiella aurantii (red scale)	Arthropoda	Yes	?	Present	Absent	95	1			...
<a href="#">Select assessment</a>	Aspidiotus destructor (coconut scale)	Arthropoda	Yes	?	Present	Absent	121				...
<a href="#">Select assessment</a>	Athelia rolfsii (sclerotium rot)	Basidiomycota	Yes	Yes	Present	Absent	137				...
<a href="#">Select assessment</a>	Banana streak disease	Virus	Yes	?	Present	Absent	49				...

The columns can be sorted and searched by clicking on the heading.

<b>Risk assessment</b>	Button to access the risk assessment for that pest and an indicator of progress
<b>Pest Name</b>	Scientific name (common name) of the pest as used in the CPC
<b>Type</b>	Broad taxonomic group of the pest
<b>On crop</b>	'Yes' when the pest has been recorded as a pest of the crop(s) selected at the initiation stage
<b>On Commodity type</b>	'Yes' when the pest has been recorded on the commodity types selected at the initiation stage and "?" when there is no commodity information available for that pest. This information is from the 'Plant Trade' table in the CPC pest datasheet
<b>Country/area of origin</b>	Status of the pest in the country/area of origin (exporting country)
<b>Importing country/area</b>	Status of the pest in the importing country/area
<b>Number of countries where present</b>	A count of the number of countries/states/provinces where that pest has been recorded as present in the CPC distribution data. This may help to prioritize the pest list
<b>Regulatory status</b>	This can be added manually for pests that already have a regulatory status for the importing country/area. If a regulatory status has already been saved in the tool, it will display here
<b>Notes</b>	The presence of the  icon indicates that a note has been added. The note can be viewed by clicking on the icon
<b>Modified by user</b>	The presence of the  icon indicates that the data in the table has been modified by the user
<b>User actions</b>	A pop-up that allows you to: go to the that pest's risk assessment; exclude the pest from the assessment; add a regulatory status; add notes; go to the pest's CPC datasheet; export and import from MS Word for offline working

### Pests potentially requiring phytosanitary measures


This is a list of the pests recorded on the selected crop and not recorded or recorded as absent in the importing country/area, or present with special regulatory status.

At this stage you should be aiming to include here all the pests that are associated with the pathway and are either already regulated or are candidates for detailed risk assessment and potential regulation. Additional sources of pest information should be consulted to ensure the most accurate pest list is produced. If you have additional information, you can overrule Compendium data to switch lists and exclude pests from further assessment or add pests into the PRA. It is suggested that you include a reference or note to support the updated status. This type of user modification is included in the report under the section on **Modified Pest Records**.

## Pests potentially requiring phytosanitary measures - User actions ●●●

Primary action	Secondary action	Outcome
<b>Go to risk assessment</b>		Goes to the individual risk assessment template for that pest
<b>Edit rapid assessment</b>		Goes to a rapid assessment if already saved for this pest
<b>Exclude from risk assessment</b>	Options available:	Moves the pest from this list and adds it to the list of 'Pests excluded from the assessment'
	Present in importing country/area	Updates the distribution status of the pest to present in the importing country/area
	Absent in country/area of origin	Updates the distribution status of the pest to absent in the country/area of origin
	Not known as a pest of the crop	Updates the value in the 'On crop?' column to 'No'
	Not known in/on selected commodity types	Updates the value in the 'On commodity?' column to 'No'
	Other	The notes field is compulsory if 'Other' is selected
<b>Add Regulatory status</b>		Adds a value of 1-4 to the Regulatory status column in the table where relevant to the importing country/area
	<b>1</b> = Quarantine pest, absent from the country/area	Please note that if you add or edit a regulatory status in a PRA that is not created in 'Demo' mode, the status will update the saved 'Regulated Pest List' for your account. This can be viewed in a tab on the Home page. This status will display in future pathway PRA pest lists.
	<b>2</b> = Quarantine pest, present in the country/area but not widely distributed and under official control	
	<b>3</b> = Regulated non-quarantine pest, present in the country/area but whose presence in plants for planting affects their intended use	
	<b>4</b> = Pest requiring phytosanitary measures (not yet officially listed)	



Primary action	Secondary action	Outcome
<b>Add notes</b>		Notes added will be saved and visible by clicking on  in the pest list
<b>View datasheet</b>		Opens the CPC datasheet for that pest in a new browser window
<b>Generate datasheet</b>		Creates a PDF download of the datasheet in a new browser window
<b>Export assessment to edit in Word</b>		A risk assessment template is downloaded in MS Word for editing offline
<b>Import assessment to edit in Word</b>		Select this option to import the Word template you exported. This will overwrite the current risk assessment


### Pests excluded from the assessment

This is a list of the pests of the selected crop that are recorded as present in both the importing and exporting country/area according to the Compendium data. These are excluded from the assessment because they do not meet the pathway criteria for a quarantine pest.

You can overrule the Compendium data to switch lists and include pests in the 'List of pests potentially requiring phytosanitary measures'. It is useful to include a reference or note to support the exclusion. This added information is included in the PRA report.

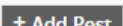
### Pests excluded from the assessment - User actions •••

Primary action	Secondary action	Outcome
<b>Include as pest potentially requiring phytosanitary measures</b>	Options available:	
	Absent in importing country/area	Updates the distribution status of the pest to 'absent' in the importing country/area
	Present, under official control in importing country/area	Update the distribution status of the pest to 'present' in the importing country/area
	Other	The notes field is compulsory if 'Other' is selected

Primary action	Secondary action	Outcome
<b>Add notes</b>		Notes added will be saved and visible by clicking on  in the pest list
<b>View datasheet</b>		Opens the CPC datasheet for that pest in a new browser window
<b>Generate datasheet</b>		Creates a PDF download of the datasheet in a new browser window

The list of pests excluded from the assessment is included in an Appendix of the PRA report.

### Add a pest

Pests can be added to the 'List of pests potentially requiring phytosanitary measures' by selecting  which is found at the bottom of the pest list.

You may wish to do this because you have information about the pest's occurrence in the country/area of origin or on the crop that is not yet recorded in the Compendium. Try searching for the pest using its scientific or common name in the picklist. If found, a link will be provided to the datasheet. If the name is not found it can be manually entered as a new pest name.

Please add the pest type, and also the regulatory status for the importing country/area if known.

Add 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

**Type \***


What is the regulatory status of the pest?


### How are user modifications to pest status handled in the tool?

If you have additional information to overrule the Compendium pest status for presence or absence in the importing or exporting country/area and have saved this as a 'user modification' in a Pathway PRA that is not set to 'Demo' mode, your information will be used instead of the Compendium data for generating pest lists in new PRAs.

These records will be shown in the pest list with an orange user modification  icon and will include a note that gives the reason for inclusion in the pest list and any reference or note you had added. Pests excluded from the assessment based on your data are also indicated in this way.

Risk assessment	Pest name	Type	On crop	On commodity type	Country/area of origin	Importing country/area	Number of countries where present	Regulatory status	Notes	Modified by user	User actions
Select assessment	Aceria tulipae (dry bulb mite)	Arthropoda	Yes	?	Present	Absent	34				...
Select assessment	Alternaria porri (purple blotch)	Ascomycota	Yes	Yes	Present	Present	89	2			...
Select assessment	Aphelenchoides besseyi (rice leaf nematode)	Nematoda	Yes	Yes	Present	Absent	77				...
Select assessment	Aspergillus niger (black mould of onion)	Ascomycota	Yes	Yes	Present	Absent	72				...
Select assessment	Botryotinia fuckeliana (grey mould-rot)	Ascomycota	Yes	Yes	Present	Absent	56				...
Select assessment	Burkholderia cepacia (sour skin of onion)	Proteobacteria	Yes	Yes	Present	Absent	28				...
Select assessment	Candidatus Phytoplasma asteris (yellow disease phytoplasmas)	Firmicutes	Yes	Yes	Present	Absent	45				...
Select assessment	Chalara elegans (black root rot)	Ascomycota	Yes	Yes	Present	Absent	63	1			...

 The orange icon indicates that the record was modified in a previous PRA.


 The black icon indicates that the record was modified in the current PRA.

The orange icon flags up the pests that are not derived directly from Compendium data when you first generate the pest list. Any edits you make to those pest records will be saved with the black icon to show that the record has been modified in the current PRA. The orange icon will also change to black when you start a risk assessment as that indicates that the modification from a previous PRA has been accepted as valid for this PRA.

**Aphis gossypii (cotton aphid)**

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**User modification: Absent in importing country**

 **Notes and references**

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Bobel L, Jones J, 2008. Eradication of Aphis gossypii from Zambia. Plant Disease, 90(6):976.

The note provides the reason for the modification and any references or notes you had added. To edit the text or select other options go to the 'User actions' menu

When a regulatory status has been added in the current PRA or drawn from the saved 'Regulated Pest List', a black user modification icon is displayed.

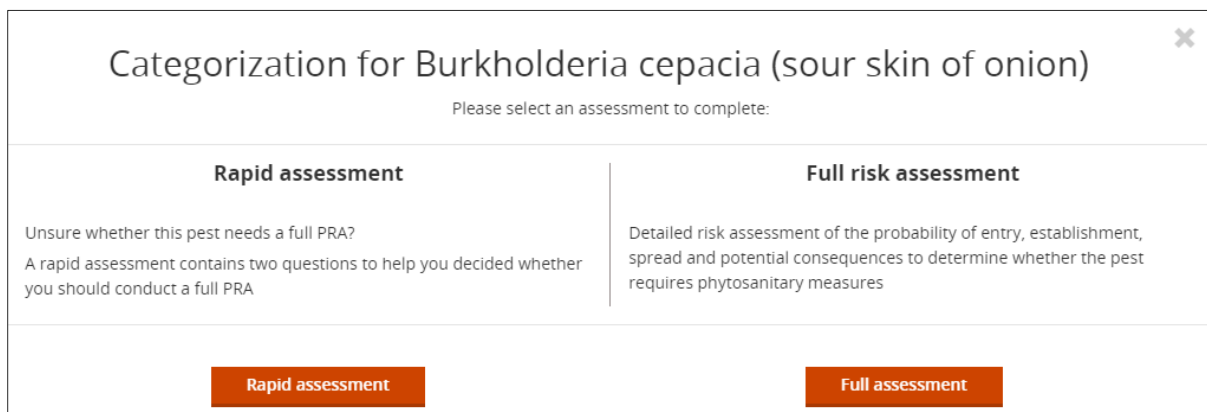
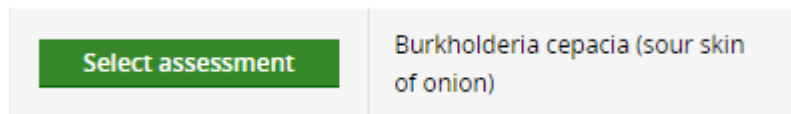
User modifications to the pest's presence on the host(s) and commodity type(s) are not currently included in this data feedback to future PRAs and the user modifications for presence/absence are saved against the country/area as an importing or exporting country and are not taken into account if that role is reversed. Manually added pests, statuses added in 'By Pest' PRAs and risk assessment and risk management sections are also not included by the tool in future PRAs but the information could be copied across from previous PRAs.

Your modification to presence/absence in the importing/exporting country will be ignored in future PRAs if the Compendium record has been updated to agree with the status you entered.

The 'Demo' mode has been added so that PRAs can be created that take into account any user modifications but do not contribute data to future PRAs.

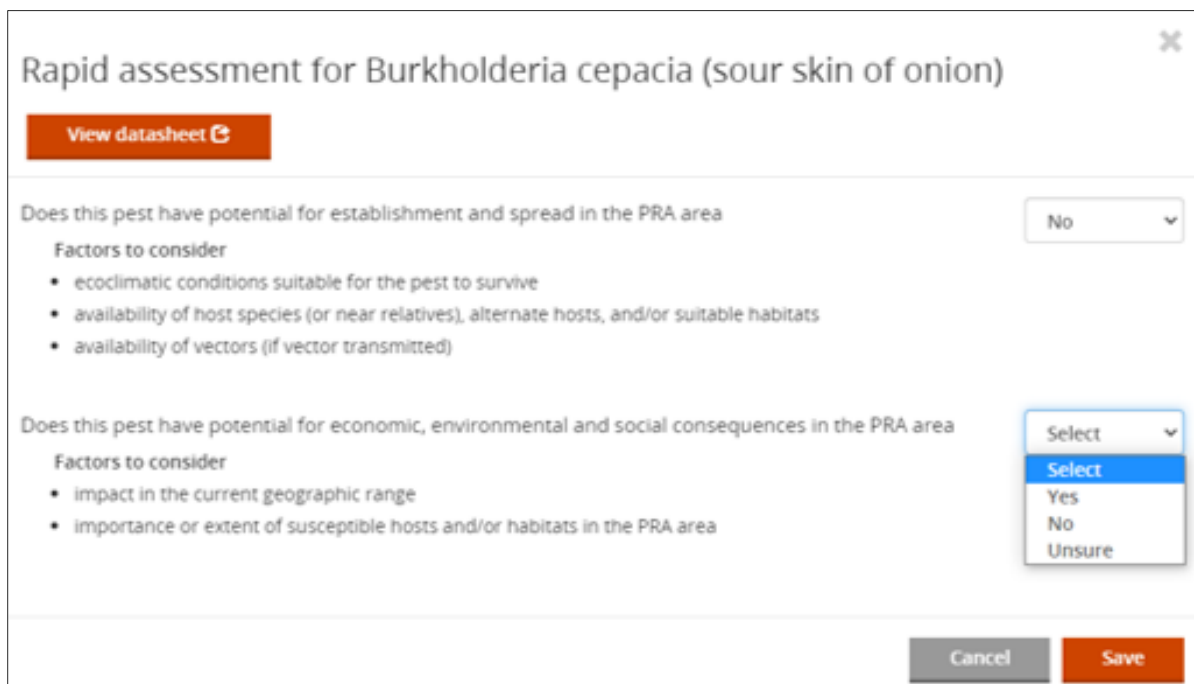
## Select assessment

The first column in the 'List of pests potentially requiring phytosanitary measures' is a button which enables you to conduct a **Rapid assessment** to continue the pest categorization or to go to the **Full risk assessment**:

A screenshot of a dialog box titled 'Categorization for Burkholderia cepacia (sour skin of onion)'. Below the title, it says 'Please select an assessment to complete:'. There are two columns: 'Rapid assessment' and 'Full risk assessment'. The 'Rapid assessment' column contains the text: 'Unsure whether this pest needs a full PRA? A rapid assessment contains two questions to help you decided whether you should conduct a full PRA'. The 'Full risk assessment' column contains: 'Detailed risk assessment of the probability of entry, establishment, spread and potential consequences to determine whether the pest requires phytosanitary measures'. At the bottom, there are two orange buttons: 'Rapid assessment' and 'Full assessment'.

## Rapid assessment

This option allows you to record a quick judgement of the likelihood of establishment and impact which can be useful if you have enough information to conclude that a pest does not meet the criteria of a quarantine pest without starting a detailed risk assessment. You can still proceed with a full risk assessment if you want to provide full information. The results of the rapid assessment are included in the PRA report.

A screenshot of a form titled 'Rapid assessment for Burkholderia cepacia (sour skin of onion)'. At the top left, there is an orange button labeled 'View datasheet' with a document icon. Below this, there are two main sections. The first section is 'Does this pest have potential for establishment and spread in the PRA area' with a dropdown menu set to 'No'. Underneath, it lists 'Factors to consider' with three bullet points: 'ecoclimatic conditions suitable for the pest to survive', 'availability of host species (or near relatives), alternate hosts, and/or suitable habitats', and 'availability of vectors (if vector transmitted)'. The second section is 'Does this pest have potential for economic, environmental and social consequences in the PRA area' with a dropdown menu set to 'Select'. Underneath, it lists 'Factors to consider' with two bullet points: 'impact in the current geographic range' and 'importance or extent of susceptible hosts and/or habitats in the PRA area'. At the bottom right, there are two buttons: 'Cancel' and 'Save'.

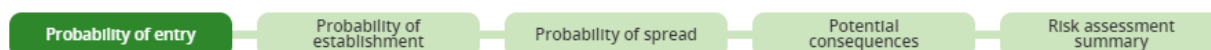
The 'List of pests potentially requiring phytosanitary measures' shows the following risk assessment options:

Select assessment	Burkholderia cepacia (sour skin of onion)	Select a rapid or full risk assessment to start the process for this pest
Full PRA recommended	Botryotinia fuckeliana (grey mould-rot)	Your rapid assessment indicates that the pest justifies further detailed assessment
Not required	Atherigona orientalis (pepper fruit fly)	Your rapid assessment indicates that a full risk assessment is not justified
Continue	Aphelenchoides besseyi (rice leaf nematode)	Continue compiling the the detailed risk assessment for this pest

## Risk assessment

A detailed risk assessment can be completed for each pest in the 'Pests potentially requiring phytosanitary measures' list. Each risk assessment can be saved and edited at any point.

The risk assessment component comprises five tabs:



The first four tabs link to forms with a set of questions. Text can be added below each question. Guidance is provided for some questions under **Factors to consider**. These factors can be used for focusing research or copied into the text box to use as headings. Access to the datasheet is provided but additional resources will usually need to be consulted to complete the risk assessment.

The full citations of sources cited in the PRA should be added to the **References** section at the bottom of each page. There is a single references section for the whole PRA. This can be expanded/collapsed by clicking on the green arrow. You need to click on the **Edit References** button to enter text. This is to ensure only one user at a time is editing this section when working in 'Team View'. If it is locked for editing, please save your references in another document and return later.

▼ References

Edit References

Next to each question, there are two dropdown lists: **Rating** and **Confidence level**. These are provided to help you assign a summary rating and confidence level for each of the four steps (probability of entry, establishment, spread and potential consequences) in the risk assessment.

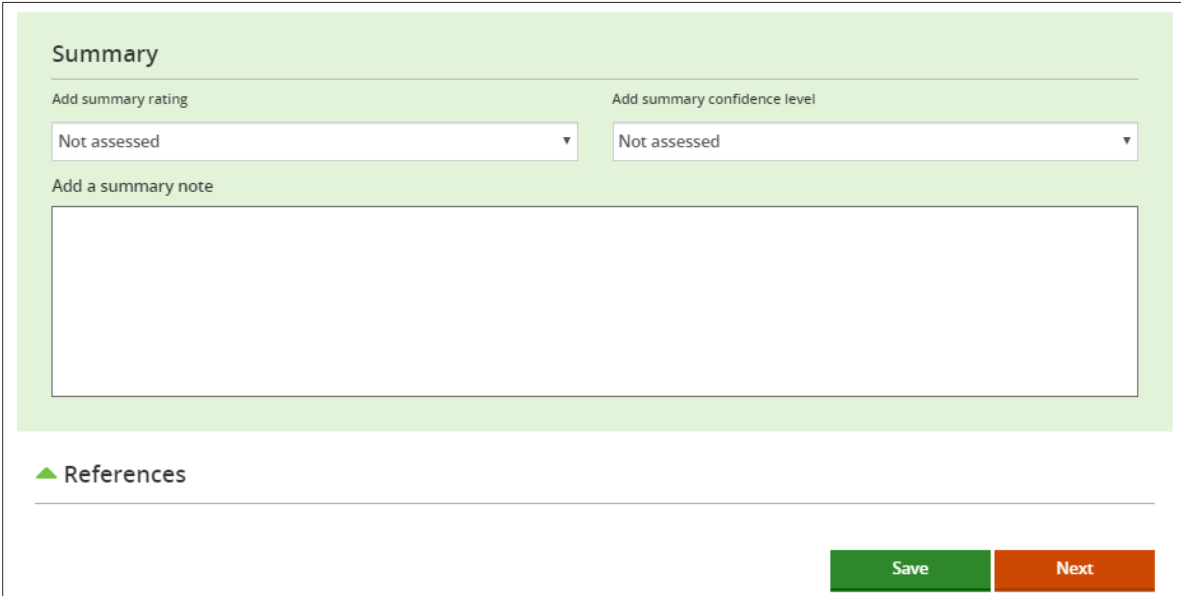
**Ratings available are:**

Not assessed  
Negligible  
Low  
Medium  
High

**Confidence levels available are:**

Not assessed  
Low  
Medium  
High

At the bottom of each tab, these dropdown options are provided for you to conclude the probability of entry, establishment, spread and potential consequences:



The summary rating and confidence level from each tab are carried forward in the PRA to the final risk assessment tab which is the **Risk assessment summary**, so it is important to complete these as fully as possible. There is no automated summary, it is up to you as the risk assessor to make the conclusions and explain any uncertainty that arises from conflicting or incomplete information.



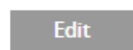
Saves and remains on the risk assessment page. If your internet connection is unstable, it is recommended that you go to the bottom of the page and 'Save' at frequent intervals



Saves and moves onto the next stage of the risk assessment

### Risk assessment summary

The risk assessment summary page contains a table with the summary ratings and confidence levels you have entered for the probability of entry, probability of establishment, probability of spread and potential consequences.



Select to return to the risk assessment and edit to 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 concludes the risk assessment stage:

### Does the pest require phytosanitary measures?

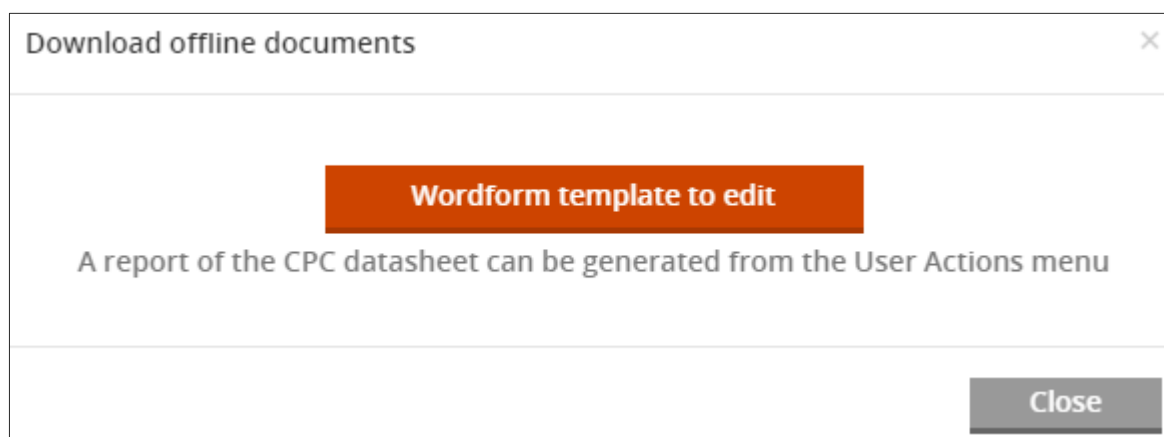
Yes  No

**Yes** – the pest will be moved to the ‘Pest risk management’ list with the option to assign risk management measures

**No** – the pest will still be moved to the ‘Pest risk management’ list but will be annotated with management ‘Not required’

### Exporting a Word risk assessment form to edit offline

Once a PRA has been created online in the tool, an MS Word version of the risk assessment form for an individual pest can be exported from the ‘User actions’ menu in the ‘List of pests potentially requiring phytosanitary measures’. This is useful if you do not want to use the internet the entire time and means you can also involve others who do not have access to the tool to contribute to the risk assessment of particular pests. The export can be created at any time and can include partially edited sections but note that **importing the Word form back into the online tool will overwrite any content that exists in the PRA for that pest**. A special file is created with the pest name and it is this same file that must be re-imported into the tool, it cannot be copied to create a form for a different pest.



The Word form includes the PRA initiation details and existing references which are un-editable, but the risk assessment text boxes, risk ratings, confidence levels and additional references are the same as in the tool. If it is concluded that phytosanitary measures are required for the pest, the risk management form can also be completed. The exported Word form supports tracked changes if this functionality is important to you.

A PDF of the datasheet can also be downloaded to use offline.

This export/import functionality is intended for those who can complete the PRA online in the tool. If it is not intended to complete the PRA online, you could use the extended PRA report in Word because this has a blank template in an Appendix which can be manually copied for additional individual pests.

## Pest risk management

To familiarize yourself with this tab, please try the page tour

Take a page tour

Pests are moved to the 'Pest risk management' tab once the risk assessment has been concluded by answering the question 'Does the pest require phytosanitary measures?'. From this list, management options can be selected for individual pests.

Risk management	Pest name	Type	Probability of entry	Probability of establishment	Probability of spread	Potential consequences	Risk assessment	Regulatory status	Notes	Modified by user	User actions
Continue	Aceria tulipae (dry bulb mite)	Arthropoda	High	Medium	Medium	High	Complete	1			...
Not Required	Cornu aspersum (common garden snail)	Mollusca	Medium	Low	Medium	Low	Complete				...
Edit	Ditylenchus destructor (potato tuber nematode)	Nematoda	High	Medium	Medium	High	Complete				...
Start	Haematonectria haematococca (dry rot of potato)	Ascomycota	High	Medium	Medium	High	Complete				...

**Risk management** Button to access the risk management form and indicator of the risk management status for that pest

**Pest name** Preferred scientific name (preferred common name)

**Type** Taxonomic group of the pest

**Probability of entry** The summary rating from the risk assessment

**Probability of establishment** The summary rating from the risk assessment

**Probability of spread** The summary rating from the risk assessment

**Potential consequences** The summary rating from the risk assessment

**Risk assessment** 'Complete' when at least one of the risk assessment steps has a summary rating. Otherwise it is 'incomplete' and you may wish to revisit

**Regulatory status** Existing regulatory status, if added by the user in the tool


**Notes** The presence of the icon indicates that a note has been added. The note can be viewed by clicking on the icon

**Modified by user** The presence of the icon indicates that the data in the pest list table has been modified by a user

**User actions** A pop-up that allows you to: go to and complete risk management; review the completed risk assessment; add notes; go the pest's CPC datasheet; generate the PDF download of the datasheet



## Risk management - User actions •••

Primary action	Secondary action	Outcome
<b>Go to and complete risk management</b>		Links to the form where management measures can be assigned to the pest
<b>Review completed risk assessment</b>		Links to the risk assessment form for the pest to view or modify the assessment
<b>Add notes</b>		Notes added will be saved and visible by clicking on  in the pest list
<b>View datasheet</b>		Opens the CPC datasheet for that pest in a new browser window
<b>Generate datasheet</b>		Creates a PDF download of the datasheet in a new browser window

The risk management buttons show the following options:

<b>Start</b>	Listroderes costirostris (vegetable weevil)	Start risk management for this pest
<b>Continue</b>	Aceria tulipae (dry bulb mite)	Continue to assign phytosanitary measures for this pest
<b>Edit</b>	Ditylenchus destructor (potato tuber nematode)	Revisit a completed risk management form
Not Required	Cornu aspersum (common garden snail)	According to the risk assessment, this pest does not require phytosanitary measures in this pathway

A risk management form is available for each pest requiring phytosanitary measures. It contains a predefined set of general phytosanitary measures that can be assigned to each pest. To **select a phytosanitary measure**, click on the check box and **add details** in the text box underneath. If you do not select with a tick, the notes will not be carried forward to the 'Pest risk analysis summary'. Although the text boxes are small in the form, they are not limited in size and can include headings and citations where needed.

Risk management for *Ditylenchus destructor* (potato tuber nematode) ✕

Last modified on 08/11/2019

View datasheet ↗

**▼ At the place of production**

**Inspection or testing**

Rejection of bulbs with swollen or rotted parts indicating active nematode infestation. Positive identification to determine the agent may be required.

**Post-harvest treatment**

Cleaning and removal of soil and other plant debris.

**Treatment of crop, field or place of production**

**Specially protected growing conditions**

## Pest risk analysis summary

This tab displays all the management options that have been selected in the PRA and groups the pests for which each has been assigned. This provides an overview to enable you to summarize the import conditions for stakeholder communication. Management options for each pest can be edited by returning to the 'Pest risk management' tab if needed. It may not be necessary to address all pests with the same level of detail

▼ At the place of production		
Management option	Pest	Notes
Inspection or testing	Aceria tulipae (dry bulb mite)	Farms supplying onions to Zambia should be registered with the NPPO and regularly inspected
	<i>Ditylenchus destructor</i> (potato tuber nematode)	Rejection of bulbs with swollen or rotted parts indicating active nematode infestation. Positive identification to determine the agent may be required.
Treatment of crop, field or place of production	Aceria tulipae (dry bulb mite)	Use pest-free planting stock Remove un-harvested plant parts and decaying infected plant tissues Destroy volunteer onion plants and crop debris as soon as the crop is harvested.
Post-harvest treatment	<i>Ditylenchus destructor</i> (potato tuber nematode)	Cleaning and removal of soil and other plant debris.
▼ After harvest and during transport		
Management option	Pest	Notes
Post-harvest treatment	<i>Ditylenchus destructor</i> (potato tuber nematode)	Heat treatment using temperatures above 45C (CPC 2019)

Text boxes are provided to conclude the PRA which includes the **Summary** for the risk phytosanitary measures that have been selected to provide an appropriate level of protection for the PRA area for this commodity pathway and a place to note **Next steps** and **Contact details**. The summary should include details of missing information and uncertainty that were encountered while preparing the PRA. There is no limit to the amount of text that can be entered in the text boxes.

The screenshot shows a form titled "PRA notes" with a light green background. It contains three main sections, each with a text input area and an "Edit" button:

- Summary:** A large text box for entering a summary of missing information and uncertainty.
- Next steps:** A text box for noting the next steps in the process.
- Contact Details:** A text box for providing contact information.

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

The PRA will then show as 'complete' in your 'Recent PRAs' and 'Previous PRAs' on the Home page. You can still go back and edit the PRA at any time by clicking on the PRA title.

## PRA report

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

There are two report options:

- View report (completed sections only) – this is the default report type. It includes all the sections that have been compiled for this PRA.
- View full report (all completed section with template questions) – this will produce a report containing all sections that have been compiled plus a blank template of the risk assessment questions and risk management options to allow for further work outside of the tool.

CABI  
Pest Risk Analysis Tool (beta)

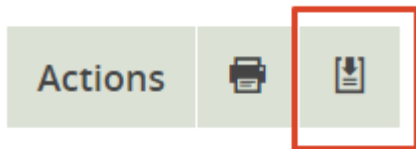
Home > Initiation: By Pathway > Pest list  
Session#: P00179  
Test - Coconut imported from Solomon Islands to Fiji

↓ PRA Report ▾ External links ▾ Help

View report  
(completed sections only)

View full report  
(all completed sections with template questions)

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



The PRA report can also be accessed directly from the PRA list on the Home page.

For further information and news, please visit the [Help](#) page or contact [PRA@cabi.org](mailto:PRA@cabi.org).