# Instructions for aircraft disinsection—pre-embarkation cabin and hold for a Boeing 747

Video description and transcript

[This is the accessible text transcript for the Instructions for aircraft disinsection—pre-embarkation cabin and hold video for a Boeing 747](http://www.agriculture.gov.au/biosecurity/avm/aircraft/disinsection/procedures/disinsection-videos).

## Screen 1

### Introduction

[Video description: text panel over cloud background.]

Australian and New Zealand legislation states that all aircraft entering Australia and New Zealand must be disinsected.

The Australian Government Department of Agriculture and the Ministry for Primary Industries New Zealand work in partnership to develop and regulate joint aircraft disinsection requirements.

## Screen 2

### Introduction

[Video description: text panel over cloud background.]

Mosquitoes can spread diseases that can cause serious illness, even death. Different types of mosquitoes spread different diseases.

Australia and New Zealand are island nations that are mostly free of the types of mosquitoes that spread serious diseases such as dengue, malaria, Zika virus, chikungunya and yellow fever.

## Screen 3

### Introduction

[Video description: text panel over cloud background.]

By preventing the establishment of these types of mosquitoes in Australia and New Zealand, we also prevent outbreaks of these serious diseases in our population. Therefore, the entry and establishment of exotic mosquitoes via international aircraft is considered a significant risk to public health.

## Screen 4

### Introduction

[Video description: text panel over cloud background.]

Australia and New Zealand carries out aircraft disinsection to reduce this risk and it is a key part of our biosecurity. ​​​​Biosecurity has played a critical role in shaping our nation to become one of the few countries in the world to remain free from the world’s most severe pests and diseases.

The World Health Organization also acknowledges that aircraft disinsection is an effective and important measure to prevent the importation of new mosquitoes to a country or region.

## Screen 5

### Introduction

[Video description: text panel over cloud background.]

The method you are about to view is Pre-embarkation cabin and hold Disinsection

This video shows disinsection procedures for a dual-aisle Boeing 747. For advice on disinsection measures for other aircraft, see the [Schedule of aircraft disinsection procedures for flights into Australia and New Zealand](http://www.agriculture.gov.au/biosecurity/avm/aircraft/disinsection/procedures/schedule-aircraft-disinsection).

## Screen 6

[Video description: text panel over image of cabin with passenger seats.]

The section you are about to view is Pre-embarkation cabin disinsection

Use spray containing 2% permethrin to treat the cabin:

* at the last overseas airport before departure to Australia or New Zealand
* after catering has been loaded and before passengers commence boarding.

One main entry door per level may be left open.

## Screen 7

[Video description: image of pilot in flight deck.]

The aircraft’s air conditioning must be switched off during disinsection and for 5 minutes after completion. Recirculation fans set at the lowest flow rate may be used if they are essential to the aircraft’s operation.

## Screen 8

[Video description: image of pilot switching air-conditioning button off.]

## Screen 9

[Video description: image of cabin crew member opening every overhead and sidewall locker on one side of aircraft.]

Overhead and sidewall lockers must be open during spraying.

## Screen 10

[Video description: image of cabin crew member opening every overhead and sidewall locker on other side of aircraft.]

## Screen 11

[Video description: image of cabin crew member spraying flight deck toilet.]

Spray flight deck toilet for 2 seconds using an up-and-down motion.

## Screen 12

[Video description: image of cabin crew member walking through door and spraying flight deck.]

Spray flight deck floor for 3 seconds.

## Screen 13

[Video description: image of two cabin crew members walking through doors and spraying in both aisles towards overhead lockers on both sides of aircraft.]

Walk down the aisle and spray the overhead lockers. Take one step per second.

## Screen 14

[Video description: image of cabin crew member spraying toilet area.]

Spray toilet areas for 2 seconds using an up-and-down motion.

## Screen 15

[Video description: image of cabin crew member spraying crew rest area.]

Spray crew rest areas for 3 seconds using an up-and-down motion.

## Screen 16

[Video description: image of cabin crew member spraying internal baggage storage area.]

Spray internal baggage areas for 2 seconds using an up-and-down motion.

## Screen 17

[Video description: image of cabin crew member spraying galley area.]

Spray galley area using an up-and-down motion. Do not spray directly onto the food preparation area.

## Screen 18

[Video description: text panel over cloud background]

Pre-embarkation cabin disinsection is complete.

## Screen 19

[Video description: text panel over image of ladder and open cargo hold door.]

The section you are about to view is Pre-flight hold disinsection.

Use spray containing 2% permethrin and 2% d-phenothrin to treat the hold:

* at the last overseas airport before departure to Australia or New Zealand
* after all cargo has been loaded and just before hold doors are closed.

Leave hold doors open just wide enough to put the can in and activate nozzle. Ensure the can discharges to disinsect all areas of the hold.

## Screen 20

[Video description: image of pilot in flight deck.]

The aircraft’s air conditioning must be switched off during disinsection and for 5 minutes after completion. Recirculation fans set at the lowest flow rate may be used if they are essential to the aircraft’s operation.

## Screen 21

[Video description: image of aircraft cargo door opening.]

## Screen 22

[Video description: image of person placing cans inside open hold door and activating spray.]

## Screen 23

[Video description: image of activated can.]

Check that the cans are functioning correctly, and close the door immediately.

## Screen 24

[Video description: image of hold door closing.]

## Screen 25

[Video description: image of clock.]

Wait at least 7 minutes for the can to empty.

## Screen 26

[Video description: image of hold door opening narrowly.]

To retrieve the cans, open the hold door by a narrow gap only.

## Screen 27

[Video description: image of can inside hold, and person retrieving and shaking the cans to check if they are empty and then removing the cans. He then steps down from the hold door.]

If you retrieve the cans from the hold before departure, ensure they are empty.

## Screen 28

[Video description: image of hold door closing.]

Close the hold door immediately.

## Screen 29

[Video description: image of Pre-flight and top of descent disinsection certificate.]

Complete Pre-embarkation disinsection certificate for cabin and cargo hold area.

## Screen 30

[Video description: text panel over cloud background.]

If hold cans are left in the hold for the flight, the hold section of the certificate must be completed prior to the holds being sprayed. Pre-flight hold disinsection is complete.

## Screen 31

### Conclusion

Thank you for completing aircraft disinsection. This will help protect Australia and New Zealand from pests and diseases.

[End of video.]

[End of transcript.]