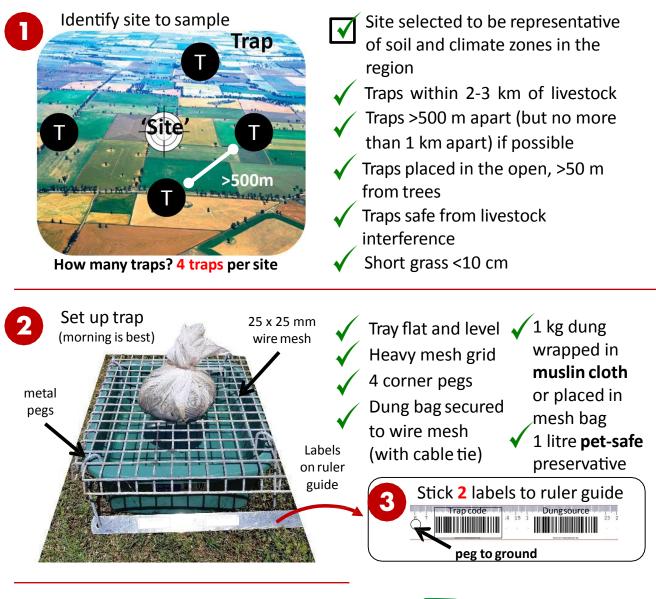


What you Steps 1 to 4: Set up trap and report trap location need to do: Steps 5 to 11: After 24 hrs collect beetle samples





Submit report with MyDungBeetle™ Reporter



Open the MyDungBeetle<sup>™</sup> Reporter app on your mobile device, and follow the instructions on the next page.... and start taking photographs!





Australian Government

This project is supported by Meat & Livestock Australia, through funding from the Australian Government Department of Agriculture as part of its **Department of Agriculture** Rural R&D for Profit program.





DUNG

BEETLE Ecosystem Engineers

# How to submit a report using the MyDungBeetle<sup>™</sup> Reporterapp

### Examples of the four photos required in the report:



(i) Close-up of trap and labels



(ii) Landscape shot facing North (0°)



(iii) Landscape shot facing ESE (120°)



(iv) Landscape shot facing WSW (240°)

Dung beetle survey

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Report

Press camera icon to start.

I am reporting a Trap/Location ID

Please ensure this code is written or printed on the

I am sending a sample

engagement.

I agree to share my report If you agree to share your report, nonpersonal details, photo and map will be

searchable on the MyPestGuide website thereby enhancing community

Continue

9-31.984768, 115.821511, 9.2m

Send report

Jim's Farm site trap?

Where

l found Trap setup

TC-00001

trap

h





Primary Industries and Regional Development MyDungBeetle<sup>TM</sup> Reporter



Open the App. Select the (+) symbol, then:

- a. Check GPS location is turned on (automatic).
- b. Select 'Dung beetle survey' from the drop-down list.
- c. Press the top left camera icon. Select 'Take Photo', close a
   up of whole trap and labels, filling the frame.



Repeat for photos 2-4,: this time step back 3 paces from trap, face the trap, take landscape photos pointing North 0°, ESE 120° and WSW 240° with the trap squarely in the centre of the frame each time (mobile held vertical).

- d. In box labelled 'Where', write site name & trap name
- e. In box labelled 'I found', write "Trap setup"
- f. Select 'I am reporting a Trap/Location ID'
- g. When it appears, press the icon, focus camera on 'Trap code' barcode; wait for number to appear in box. Check that the number in the app matches the number on the label.
- h. In this case, skip 'I am sending a sample'
- i. Select 'I agree to share my report'.
- j. Press 'Continue'. Check your 'State', 'Email' and 'Mobile' details are correct then press 'Send'.

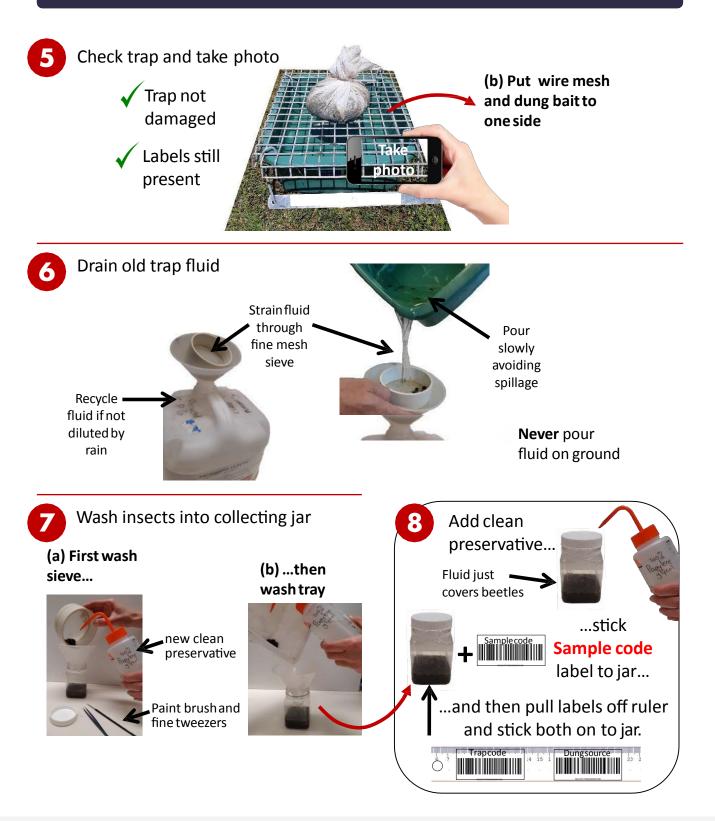


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### After 24 hours





Australian Government
 Department of Agriculture

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# Dung beetle sampling guide



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Submit report with MyDungBeetle<sup>™</sup> Reporter

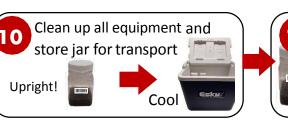
#### Download free App from store

Department of Primary Industries and Regional Development

MyDungBeetle™ Reporter 🌘

Open the App. Select the + symbol, then:

- a. Check GPS location is turned on (automatic).
- b. Select 'Dung beetle survey' from the drop-down list.
  c. Press the top left camera icon. Select 'Attach Photo',
  allowing you to attach close on trap photo from stop [
  - allowing you to attach close-up trap photo from step 5.
- d. In box labelled '**Where**', write site name & trap name
- e. In box labelled 'I found', write "24 hr beetle sample"
- f. Select 'I am reporting a Trap/Location ID'
- g. When it appears, press the icon, focus camera on 'Trap code' barcode and wait for number to appear in box. Check that the number in the app matches the number on the label.
- h. Select 'I am sending a sample'
- When it appears, press the icon, focus camera on
   'Sample code' barcode and wait for number to appear in box. Check that the number in the app matches the number on the label.
- j. Select 'I agree to share my report'
- Press 'Continue'. Check your 'State', 'Email' and 'Mobile' details are correct then press 'Send'.





Report Press camera icon to start. • -31.984768, 115.821511, 9.2m b Send report to Dung beetle survey Where Jim's Farm site trap I found 24hr beetle sample I am reporting a Trap/Location ID g TC-00001 ¢ Please ensure this code is written or printed on the trap I am sending a sample SC-00001 I agree to share my report If you agree to share your report, non-personal details, photo and map will be searchable on the MyPestGuide website thereby enhancing community engagement. Continue

Store beetle samples in a cool dark place (eg fridge/freezer) and when you have a box full of samples ready, either mail to an address below or arrange with your university partner to collect



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## What happens if.....

East: Paul Weston

Australian Government

Department of Agriculture

I don't know which site to choose
See the information in the background document provided on 'Site selection'.
I don't know what 'pet-safe' preservative is
Antifreeze is a chean effective preservative
NEVER use etnylene
to nots and livestock. Use only non-toxic propylene glycol antifreeze
I lost some trap equipment
You could contact the Survey Advisory Group, but if you are in a rush use the details on
your 'Equipment list' to get replacements from the local hardware store.
I don't know which label to use
All barcode labels will be provided for you on pre-printed sticky labels.
'Dung source' barcode: Eight identical labels provided per dung source batch. Every trap
that uses the same 'dung source' MUST have matching codes.
'Trap code' barcode: When you set up a new trap, pull off the lefthand label from the
next row of 2 identical 'Trap code' barcodes on the sheet (labels are not pre-assigned)
'Sample code' barcode: When you collect any kind of sample, pull the next 'Sample
code' barcode off the sheet (they are not pre-assigned)
There is no mobile reception in my area
No problem. Make your reports on MyDungBeetle™ Reporter as normal.
When back in range, the device will sync the next time you open the app.
My mobile device has a flat battery Reminder: carry a spare battery!
Always carry a waterproof field notebook and pencil. Write out all necessary
information on the day, and make the report when your mobile is charged.
Rain has diluted the preservative
If tray is over half full with rain, pour off fluid into 20 L 'WASTE' container (do not recycle)
> The trap is damaged and beetle sample spilled.
Still make the MyDungBeetle™ report as normal – type "Partial sample" in the 'I found'
box if there are some beetles left (still collect the beetles into a jar as normal); type "No
sample" if the whole sample is lost (do not collect beetles or send sample).
> The beetles won't all fit in one jar
Use the smallest possible jar, as this saves money on postage. If the biggest 🔟 📰
jar is still too small, use two jars (label them identically, and write '1 of 2' and '2 of 2')
FI forgot my sieve
Carefully pour the entire trap contents directly into four jars (or more if needed). Label
the jars identically, and write '1 of 4', '2 of 4', '3 of 4' and '4 of 4'.
, , . , . ,
Need more help?
Contact the Survey Advisory Group:
East: Paul Weston 02 6033 4815: 0420 318 570: dungbeetle@csu.edu.au



This project is supported by Meat & Livestock Australia, through funding from the Australian Government Department of Agriculture as part of its Rural R&D for Profit program.

West: Raphael Didham 08 9333 6762; 0401 514 718; <u>dungbeetle@uwa.edu.au</u> We can help tailor the sampling program to best meet your needs

02 6933 4815; 0429 318 570; dungbeetle@csu.edu.au

