

Plan Overview

A Data Management Plan created using DMPTool

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Title: Yellow Crazy Ants Survey on Tetiaroa

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Funder: Tetiaroa Society

Template: Tetiaroa Field Station

Project abstract:

Anoplolepis gracilipes, yellow crazy ants, are an invasive species impacting the Tetiaroa atoll in French Polynesia. For this project, we will count yellow crazy ants along transects on the Onetahi motu of Tetiaroa. We will perform a card count and lay ant baits of peanut butter and sugar water along transects to count yellow crazy ants on the card and in the baits. We also will test yellow crazy ant preference for sugar water versus peanut butter at sites where both sugar water and peanut butter baits are deployed.

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Yellow Crazy Ants Survey on Tetiaroa

Researchers will count the number of yellow crazy ants that walk across the card during the card count at each point along the transect. Researchers will count the number of yellow crazy ants in the sugar water and peanut butter vials at each point along the transect. Researchers will also note the presence or absence of other ant species at each point of the transect. All data will be recorded in the EpiCollect5 app Yellow Crazy Ant Survey form. The data recorded in the forms will be exported as a .CSV file and cleaned in Excel.

- No
- Yes
- Yes

Yellow crazy ants will be collected in the baited vials.

EpiCollect5 will record the GPS coordinates at each sample site along the transects so all data collected at a particular transect site will have coordinates recorded. When possible, researchers will take a photo of the sites through the EpiCollect5 camera feature.

Completed data sets are intended to be used to extrapolate the yellow crazy ant population on Onetahi motu and help identify locations on Onetahi for the deployment of yellow crazy ant control measures.

An anticipated challenge of data sharing will be ensuring understandability of the data. To improve understanding, one measure that can be taken is to provide supplementary information clarifying the titles of spreadsheet data.

GPS coordinates and photos of the sites along the transect will accompany the data.

Question not answered.

Question not answered.

- No

Question not answered.

Question not answered.

UC Berkeley ISP students will be responsible for data cleaning and management tasks.

All data related to the number of yellow crazy ants and their location should be retained, shared, and preserved for future use and comparisons in order to track changes in the yellow crazy ant population and measure the effectiveness of ant control programs.

Planned Research Outputs

Dataset - "Yellow Crazy Ants on Tetiaroa Survey"

A data set of yellow crazy ant numbers counted at sites of transects of Onetahi atoll. Information in the dataset includes the number of yellow crazy ants in each baited vial and the number of ants recorded during card counts at each site of the transects.

Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
Yellow Crazy Ants on Tetiaroa Survey	Dataset	Unspecified	Open	None specified		None specified	None specified	No	No