

Mosquito Habitat Mapper



Zika Zapp Bingo Activity Guide

PLAY ZIKA ZAPP BINGO

LEARNING OBJECTIVES

Build awareness of:

1. The many different breeding habitats used by container mosquitoes. There are 30 categories used in the **GLOBE Observer Mosquito Habitat Mapper App**.
2. The four life-cycle stages of a mosquito (egg, pupa, larva and adult). The **GLOBE Mosquito Habitat Mapper** focuses on the larval stage, but asks when taking a sample if mosquito eggs, pupae or adult mosquitoes are also found in the sample or nearby.

PREPARE

- Print out different **Zika Zapp Bingo Cards** for each learner or team, plus one **Call Sheet** (images of mosquito breeding sites and life-cycle stages with names)*
- Cut up the Call Sheet and put individual pieces into a container (e.g., bowl, box, bag or hat).
- Collect or create markers for players or groups to use. Markers could be pennies, small rocks or other objects (to create markers, you can use this guide's template). **IDEAS:** Laminate bingo boards and reuse. To make sturdier markers, you could (1) print or paste paper markers onto cardboard or laminate and (2) cut them out. Use dry erase markers on laminated boards.

PLAY

- Hand out a different card to each learner or team.
- Each player should mark off the center square, which is a "free" space.
- The "caller" selects one of the mosquito habitat site or life-cycle stage images, calls out its name and displays the image.
- Players place a marker over the mosquito habitat or life-cycle stage image if it is on their card.

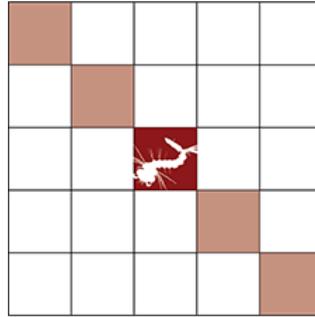
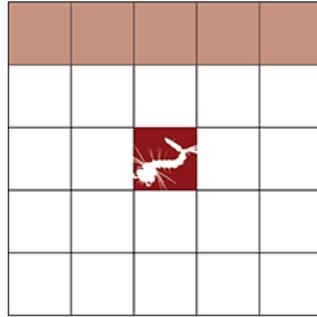
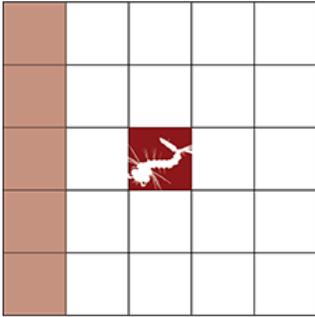
WIN

- A player or team covers a row of spaces in any direction (vertically, horizontally or diagonally) and calls out **"ZikaZapps!"** (see also variations on Page Two of this guide).
- The caller checks the player or team's card. If they are correct, they win the round. If not, they are either (1) disqualified from that round or (2) they could keep on playing.
- ~~Continue until a specific number of winners have called out "ZikaZapps" (e.g., a round can~~

VARIATIONS

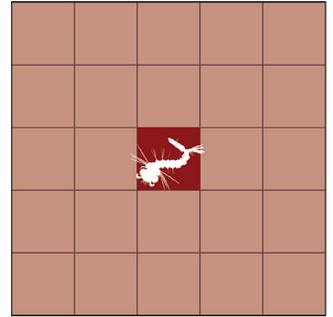
STANDARD PLAY

Cover one row in any direction (vertically, horizontally or diagonally)



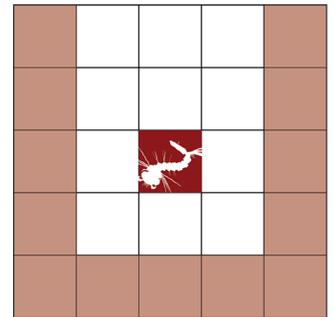
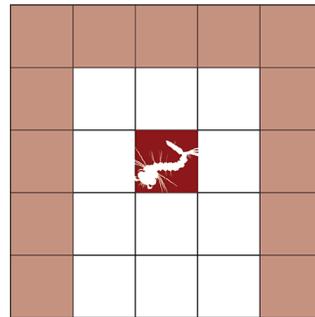
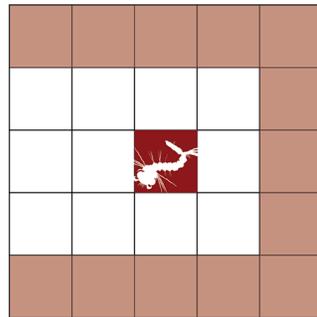
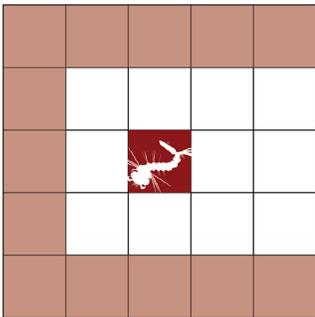
BLACKOUT

Cover all squares



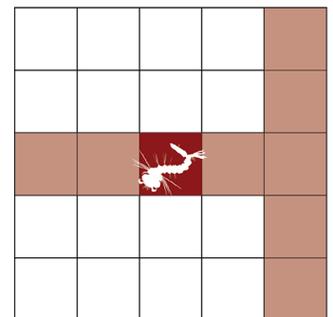
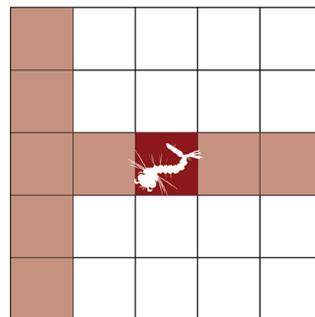
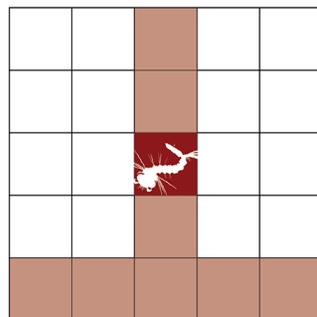
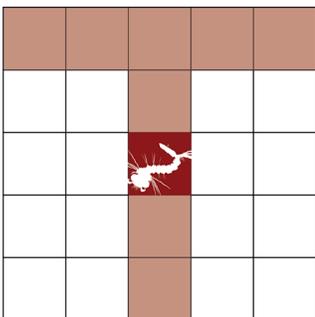
U-SHAPED

Cover three outside rows to form the letter "U"



T-SHAPED

Cover spaces in the shape of the letter "T"



MARKER TEMPLATES



INSTITUTE
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STRATEGIES

- Play the Zika Zapp Bingo game with friends to learn about mosquitoes.
- Download the GLOBE Observer App and open Mosquito Habitat Mapper.
- Share your observations with scientists.
- Combining your ground observations with satellite observations can help NASA scientists better predict when and where mosquito-borne disease might occur.
- LEARN MORE • observer.globe.gov

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