

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** (page two of this guide, which shows images of mosquito breeding sites and life-cycle stages with names). **IDEAS:** laminate and reuse boards and call sheets. If using PowerPoint slides for your Call Sheet, download them (observer.globe.gov/toolkit), mix up the slides' order, and display.
- 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:** 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 call sheet or 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" randomly selects one of the mosquito habitat site or life-cycle stage cards and calls out its name.
- 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 **"ZikaZapp"**! (also see variations on page three 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 "ZikaZapp" (e.g., a round can have one or more winners).

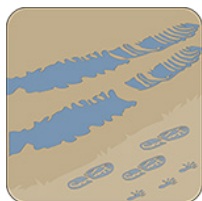
Mosquito Habitat Mapper



Zika Zapp Bingo Call Sheet



Abandoned car



Animal, people
or tire tracks



Animal dish or
trough



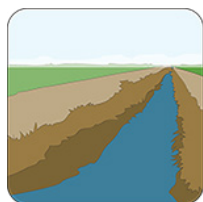
Birdbath



Can, bottle, cup



Trash/disgarded
objects



Ditch



Estuary



Grill



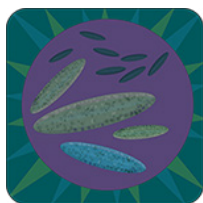
Hollows in trees



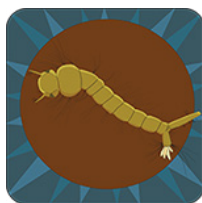
Hollows in plants



House structure



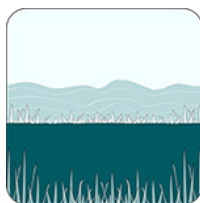
Mosquito eggs



Mosquito larva



Mosquito pupa



Lake or pond



Mosquito trap



Pool



Puddle



Public works



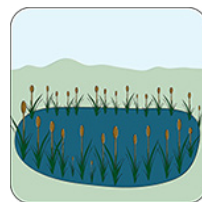
River or stream
edge



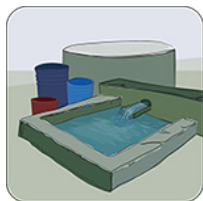
Shells (animal or
plant)



Stadium cup



Swamp



Tank



Tire



Trash container



Water storage
jars



Well or cistern

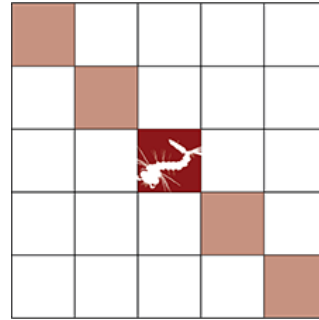
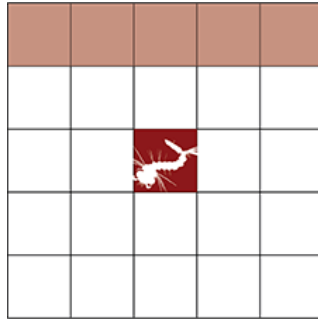
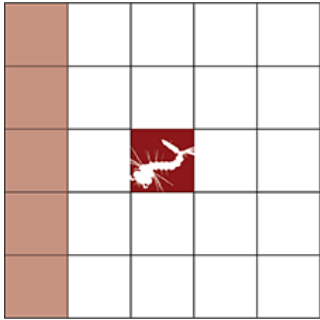


Plant pot

VARIATIONS

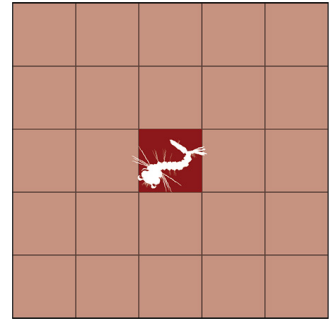
STANDARD PLAY

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



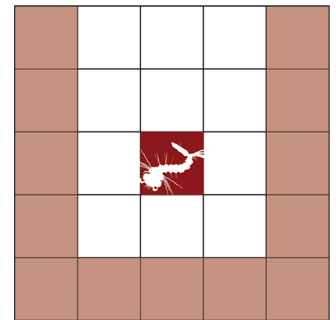
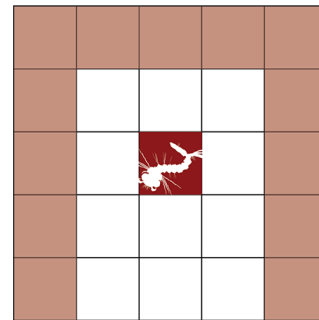
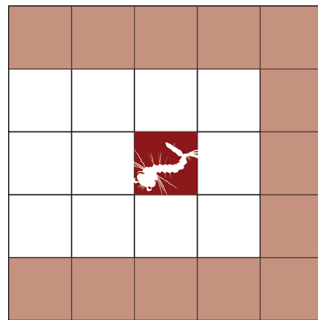
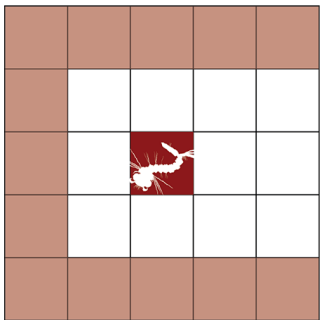
BLACKOUT

Cover all squares



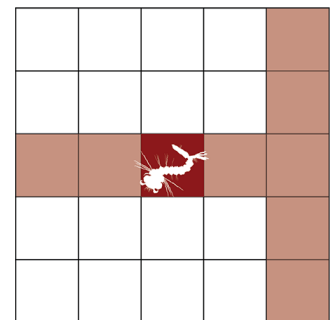
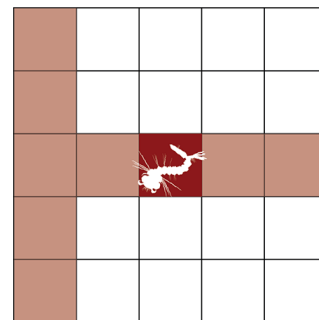
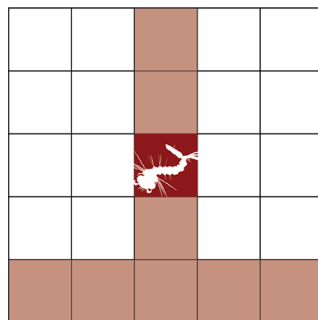
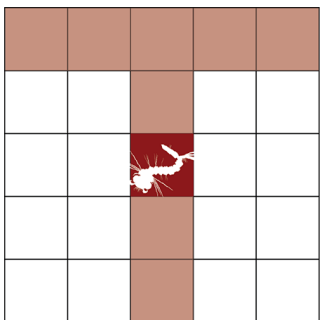
U-SHAPED

Cover three outside rows to form the letter “U”



T-SHAPED

Cover spaces in the shape of the letter “T”



MARKER TEMPLATE



INSTITUTE
for GLOBAL
ENVIRONMENTAL
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

GLOBE
mosquito
habitat
mapper