# MOSQUITOES?

## BIRDS?

### ----background-

avian malaria is a deadly disease to Hawai'i's native birds and is transmitted by mosquitoes.

## WOLBAWHAAT?

### THIS EA EXPLAINS HOW MULTIPLE AGENCIES ARE GOING TO HELP BIRDS:

suppression of

NON-NATIVE WILD MOSQUITO

populations to reduce transmission of avian malaria to THREATENED and ENDANGERED forest birds on East Mayi

By releasing male mosquitoes with a different strain of wolbachia than the females in the selected area. When they mate, the wolbachia is incompatible resulting in no bebes.

### The state of the aren't mosquitoes



needed in the ecosystem

nope. they are not a significant source of diet for any native species. They don't pollinate plants.

### #BIRD FACTS

Okiwikiu and 'akohekohe's population decreased more than 70% over the last 20 yrs 2) Expected extinction is in the next 2 to 10 yrs

3 Kiwikiu has ~150 binds glive and 'akohekohe has ~1,750

### Sn't that a GMO?

nope. Wolbachia is NATURALLY occuring in insects! Other techniques such as gene drive and self-limiting male mosquitoes with edited genes are GM.

### okay so... what if they bite me or my dog?

Oonly FEMALES drink blood.

@wolbachia does NOT transfer between animals and humans,

3 Wolbachia does Not transfer between male and female.