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Form Approved Exp. date: XX/XX/XXXXX

## OMB Control No.: 0920-XXXX Acceptability of Potential Mosquito Control Activities

Introduction: In this section, we will discuss various methods to control Aedes aegypti mosquitos, which can transmit diseases such as dengue, Zika, and chikungunya. These mosquito control methods are used at different stages in the mosquito life cycle, so we will begin by explaining the mosquito life cycle:

Interviewer: Explain here the Aedes aegypti mosquito life cycle, using the visual aid card or the video of the Aedes aegypti mosquito life cycle. If using the visual aid card, read the script below.

- It is a dark-colored mosquito, with white bands on its legs and body. It likes to be close to people, inside and outside houses.
- Aedes aegypti mosquitos bite mainly during daytime, although they will bite at night under artificial lighting.
- Only female mosquitos bite, they need to obtain blood to produce their eggs. Male mosquitoes don't bite.
- Female mosquitoes lay their eggs on the walls of any water-holding container, inside or outside homes.
- Eggs can survive up to 8 months stuck to the walls of containers where they are laid.
- When eggs come in contact with in water, larvae hatch.
- Larvae live in water where they feed and become pupae in as little as 5 days and stay near the surface where they breathe.
- After 2 to 3 days, pupae become adult flying mosquitoes.
- It can take just 7 to 10 days for an egg to become an adult mosquito.

Now we will talk about some methods used to control mosquitos. I will briefly explain each method. All of these methods have been used previously in the United States, Puerto Rico, or in other countries. I would like to know if you think these actions could be useful in your community. There are no right or wrong answers, I would just like to know your opinion.

I1_0. Have you ever heard of <b>indoor residual sp</b>	raying (IRS)? ☐ Yes	□ No		pesn't know	☐ No response
Interviewer: Show the visual aid for IRS.					
<ul> <li>In this type of spraying, a licensed professional work insecticide, meaning that the insecticide continues of the trest on the sprayed section of the spraying should be reapplied every 1 to 3 months.</li> <li>Over time, with repeated use, mosquitoes can be considered.</li> </ul>	working for several mont surfaces, die. pplying it, but it does not dent to enter the house to it needs to be applied to the to keep mosquito pop	cause harr o spray. the majoritoulations lo	n to people ty of house: w.	when it is done	e correctly.
<ul> <li>to the insecticide and do not die when they rest on</li> <li>IRS has been used in many countries, including PR a</li> </ul>				PID:	
I1_1. Would you support the use of indoor residual spraying?	I1_2. What are the r			noose all reason	ns.

Interviewer: Do not suggest responses. Choose all reasons
mentioned below. Use "other" for reasons not listed.
☐ Environmental impact
☐ Wild animal health
☐ Human health
☐ Pet health
Don't think it is/would be effective in this community per response, including the time for reviewing instructions, searching existing data sources, information are considered to a mehit strong since which is the strong since where the strong since which is the strong since whi

	☐ Yes │ ☐ No │ ☐ Doesn't know │ ☐ No response
2_1. Would you support the use of AGO traps for mosquitoes?   Interviewer: Read the responses.    Support   Neutral   Oppose   No response	I2_2. What are the reasons you oppose? Interviewer: Do not suggest responses. Choose all reasons mentioned below. Use "other" for reasons not listed.  □ Environmental impact □ Wild animal health □ Human health □ Pet health □ Don't think it is/would be effective in this community □ Not a community priority/arboviruses are not a concern here □ If the traps are not maintained they can become mosquito breeding sites □ Other:
Sterile Insect Technique	
insects.  13_0. Havehen's female mates with a introduced startly mac, to a mosquitoes, there are different ways of making the mates.  13_1. Woo bacterias Both off these are createrable a lab.  13_1. Woo bacterias Both off these are createrable a lab.  13_2 enetically emodifies than a sopulation startly emodifies than a sopulation.  Interviewed the following of the read the following interviewer in section and interviewer and proposed in the section of the	easing many sterile male insects to compete with wild fertile male  lifered are no offspringulated the population of the insects will decrease.  nales sterile Tixamples include: genetic modification and introduction of sections are the reasons you oppose?  Intend to be released periodically in order to keep the number of sterile mentioned below. Use "other" for reasons not listed.  In this been used prinarily in agriculture.  The released of the major prinarily in agriculture.  The released of the insection of the animals or insects.  The released part of their genetic information changed in a laboratory.  The property of the prinary would be effectives in this community  Through the prinary would be effectives in this community  Through the prinary would be effectives in this community  Through an include a subsection of the prinary
number of states in the US.	
I4_0. Have you ever heard of mosquitoes with <i>Wolbachia</i> ?	☐ Yes │ ☐ No │ ☐ Doesn't know │ ☐ No response
Interviewer read the following:	
Interviewwolbaematisea/bacteridripthat/livesqusideomany/insects,	Midding some mosquito species.
There is a type of Wolbachia that makes Aedes aegypti interviewer reas a type of Wolbachia that makes Aedes aegypti interviewer reas a type of Wolbachia that makes Aedes aegypti interviewer reas to people.	mosquitoes less capable of transmitting dengue, chikungunya, and Zika

- - This term type of whomes of a flastion with the control of the con

- These female mosquitoes without *Wolbachia* lay their eggs, but these do not hatch.

  Mosquitoes with *Wolbachia* can be used in two different ways.

  These mosquitoes need to be released several times per week for a prolonged period to keep the mosquito populations low.
  - Mosquito population will eventually increase again when the releases of mosquitoes carrying Wolbachia stop.
  - Male mosquitoes with Wolbachia have been used in California and the Florida Keys and have been approved for evaluation in Miami, FL.

I4 1. ¿ Would you support the use of <b>male</b>	I4_2. What are the reasons you oppose?
mosquitoes with Wolbachia?	Interviewer: Do not suggest responses. Choose all reasons
Interviewer: Read the responses.	mentioned below. Use "other" for reasons not listed.
	☐ Environmental impact
☐ Support	☐ Wild animal health
☐ Neutral Interview or Show the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid for male and female mosquitoes with the visual aid female mosquitoes are mosquitoes and the visual aid female mosquitoes are mosquitoes are mosquitoes and the visual aid female mosquitoes are mosquitoes and the visual aid female mosquitoes are mosquitoes and the visual aid female mosquitoes are mosquitoes are mosquitoes are mosquitoes and the visual aid female mosquitoes are	☐ Human health th Wolbachia. ☐ Pet health
☐ No response	☐ Don't think it is/would be effective in this community
Interviewer read the following:	☐ Not a community priority/arboviruses are not a concern here
• There is another way to use Wolbachia, that is not a sterile	insect Cerkarage, aboutier feburate archanite exercity delay pachia
mosquitoes carrying Wolbachia are released.	☐ Other:
<ul> <li>When the female mosquito carrying Wolbachia mates with</li> </ul>	a male mosquito with or without Wolbachia, the bacterium is passed
I5_1. Would you support the use of male and female mosquitoes with Wolbachia?	I5_2. What are the reasons you oppose?  Interviewer: Do not suggest responses. Choose all reasons
Interviewer: Read the responses.	mentioned below. Use "other" for reasons not listed.
☐ Support	☐ Environmental impact
☐ Neutral	☐ Wild animal health ☐ Human health
☐ Oppose	□ Pet health
□ No response	☐ Don't think it is/would be effective in this community ☐ Not a community priority/arboviruses are not a concern here ☐ Concerned about safety of use of mosquitoes with Wolbachia ☐ It doesn't make sense because we will still have mosquitoes ☐ Other:
I6_0. Have you ever heard of larvicides?	☐ Yes   ☐ No   ☐ Doesn't know   ☐ No
Interviewer: Show the visual aid for larvicides.	
Interviewer read the following:	

- Larvicides are insecticides that kill mosquito larvae. If applied correctly, larvicides can potentially reduce the number of adult mosquitoes.
- There are different types of larvicides and they come in different formulations, for example: liquid, granules and briquettes. Liquid larvicides can be applied using truck mounted equipment, spraying them over houses, vegetation, empty lots and other places. In this way, this method may be effective to treat most of the places where larvae are found.
- Larvicides can also be applied manually to water where larvae are found, for example, fountains, tree holes, gutters, etc.
- When larvicide is used according to specific label instructions, it does not affect the environment, people, or pets.
- Larvicide application needs to be repeated according to specific label instructions.
- · Although unlikely, with repeated use, larvae could become resistant to the effects of larvicides. Resistance means that the

16 1. Would you support the use of <b>larvicides</b> ?	16 2. What are the reasons you oppose?
Interviewer: Read the responses.	Interviewer: Do not suggest responses. Choose all reasons
	mentioned below. Use "other" for reasons not listed.
Support	☐ Environmental impact
☐ Neutral ☐ Oppose ☐ No response	☐ Wild animal health
	☐ Human health
	☐ Pet health
	☐ Don't think it is/would be effective in this community
	☐ Not a community priority/arboviruses are not a concern here
	☐ Concerned about safety of use of larvicides
	☐ Other: