

Mosquito Control Communication Toolkit

Dr. Ricky Telg, UF/IFAS PIE Center

Adriane Rogers, Florida Department of Agriculture and Consumer Services





Overview

 The UF/IFAS Center for Public **Issues Education in** Agriculture and Natural Resources recently received a grant from the Florida Department of Health to develop informational messages about mosquito control in Florida.







Overview

The content in the guide was created with research from focus groups, a professional panel and
academic publications to effectively communicate to Floridians so they better understand mosquito control. Professional panel included the Florida Department of Agriculture and Consumer Services, the Centers for Disease Control and Prevention, and the UF Department of Entomology and Nematology.





CDC Southeastern Center of Excellence in Vector Borne Diseases The Gateway Program









Prevent and Protect

- Two Toolkits
 - Mosquito Control
 - Emergency Response
- Toolkit items
 - Social media posts
 - Social media schedule
 - Customizable Info-sheets
 - Customizable Infographics

- Informational handouts
- FAQs
- Instructions





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PREVENT & PROTECT: MOSQUITO CONTROL MESSAGES FOR YOUR COMMUNITY



Prevent and Protect: Mosquito Control Messages for Your Community is a resource for Florida's local officials to effectively communicate about mosquito management to our state's citizens. *The UF/IFAS Center for Public Issues Education in Agriculture and Natural Resources (PIE Center)*, as part of a Florida Department of Health grant, created the **Prevent and Protect** web page and related materials below to help local officials communicate to residents of Florida's cities and counties about the importance of mosquito control efforts and how residents can help reduce mosquito populations. The PIE Center has also compiled helpful resources from the Florida Department of Agriculture and Consumer Services, Florida Department of Health, Centers for Disease Control, and the Environmental Protection Agency.

Download the toolkit

Want helpful tips and content to use when communicating with residents about mosquito control during an emergency, such as a hurricane or disease outbreak? Check out the emergency response toolkit.

Visit Emergency Response





Toolkit Booklet



PREVENT & PROTECT

MOSQUITO CONTROL MESSAGES FOR YOUR COMMUNITY

Prevent & Protect is a resource for Florida's local officials to effectively communicate about mosquito management to our state's citizens. The UF/IFAS Center for Public Issues Education in Agriculture and Natural Resources (PIE Center), as part of a Florida Department of Health grant, created the Prevent & Protect resource to help local officials communicate to residents of Florida's cities and counties about the importance of mosquito control efforts and how residents can help reduce mosquito populations.

The UF/IFAS PIE Center conducts research and educates on how people form and act on opinions regarding complex agricultural and natural resources issues.

IN THIS GUIDE

• • •

Mosquitoes can negatively impact your community's health, economy and enjoyment of the outdoors. Learn how to communicate about these issues in this guide.

In this guide, you will learn how to use two toolkits designed to educate your community about mosquito control. Each toolkit has pre-made social media posts and graphics that are easy to use to inform the public about the importance of mosquito control. The Mosquito Control Toolkit is intended to educate the public on mosquito control and the negative impact mosquitoes can have in your community. There are four parts to the Prevent & Protect toolkit: personal responsibility, mosquito-borne illnesses, nuisance and economy, and application method. The Emergency Response Toolkit is designed to educate the public about mosquito control emergency response actions, primarily after a hurricane or flood and during a disease outbreak. Both toolkits include social media content with suggestions on when to publish each post, as well as instructions on how to download the components and customize each item to best fit your mosquito control educational efforts. The content in this guide was created with research from focus groups, a professional panel and academic publications.







Social Media

- Social media schedule and customizable posts available. Includes four weeks of content for Facebook and Twitter.
- Each week has a different theme:
 - Personal Responsibility
 - Mosquito-borne illness
 - Nuisance and Economy
 - Application method





Social media plan

The social media plan includes four weeks of content for Facebook and Twitter. Carefully crafted content, including text posts and graphics, can be used on social media to initiate conversations about personal responsibility, mosquito-borne illnesses, nuisance economy, and application methods, which could lead to an increased awareness of

mosquito control.



Customizable social media posts

Each post mentioned in the social media plan is customizable for your mosquito control efforts. The PIE Center encourages you to not change the message of the social media post, but suggests that you make each post personal to your organization. We have provided a section of each social media post where you can add a logo/graphic or a link to your city or county's mosquito control Facebook or web page. Be sure to include the tagline "Prevent & Protect" in each of your social media posts!





Download

Overall social media plan

Download Twitter content

Download Facebook content

Download

Personal responsibility social media graphics

Mosquito-borne illness social media graphics

Nuisance and economy social media graphics

Application methods social media graphics



Sample posts

Personal Responsibility

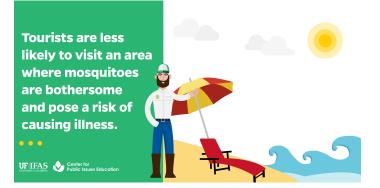


Mosquito-borne illness

Yellow fever, Dengue fever, and Zika are illnesses carried and transmitted by mosquitoes. Mosquito control programs **PROTECT** you by **PREVENTING** mosquito populations from increasing.

- UFIFAS IVANTIA Center for Public Issues Education

Nuisance and Economy







Application Method

Only two tablespoons of insecticide are applied to an area the size of a football field in aerial application.

. . .







Prevent and Protect Characters





Dr. Diaz Health Care Provider in Florida

Brad Mosquito Control Operator in Florida





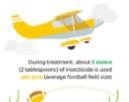
Customizable information sheets and infographics

Customizable information sheets and infographics

The PIE Center worked with graphic designers to develop a set of informational handouts in various formats to best suit your educational programming. Two full page infographics were created to educate various stakeholders about aerial treatment and how residents can prevent mosquitoes at their home. These infographics are also provided in an alternative layout, often referred to as a rack card. The PIE Center recommends working with your local printer to print these rack cards, which can be handed out in your office or left at residents' homes. Two fact sheets were also created to provide information about the impact of mosquitoes on Florida's economy and tourism and the impact of mosquito control on honey bees. These fact sheets can be used to answer questions you may receive from the public or used as supplemental educational materials. Each item can be customized by placing your organization's logo in the recommended section.

DID YOU KNOW?

When airplanes are used to treat a large area with a very small amount of insecticide to kill either the mosquito larvae that hatch from eggs or adult mosquitoes, it's called an aerial treatment. Aerial treatment is a safe, quick, and efficient way to help control mosquitoes that can carry viruses and make people sick.











Customizable infographics

Use online or print them out •



UNIVERSITY of FLORIDA





Customizable infographics

Your organization's logo goes here.



USING AERIAL TREATMENT FOR MOSQUITO CONTROL

DID YOU KNOW?



When airplanes are used to treat a large ana with a very small amount of insecticide to kill either the mosquito larvae that hatch from oggs or adult mosquitose, it's called an aerial treatment. When conducted according to regulation, aerial treatment is a safe, quick, and efficient way to help control mosquitose that can carry viruses and make people sick.

> An all treatment, to the preferred method for special treatment ch with viruses or West Nile or West Nile

Insecticides used for aerial tradiment have been studied for their affoctiveness and safety. The small amount that is used to treat is not expected to pose a health risk for people or petal

UFIFAS 🕹 Center for Fublic Insues Education





Customizable information sheets

Impact of Mosquitoes on Florida's Economy and Tourism . . .

DID YOU KNOW?

AS FLORIDA'S

MOSQUITO

POPULATION

While visiting Florida, out-of-state visitors spend more than \$110 billion in a single year. In 2016, more than 875,000 jobs were directly supported through tourism in Florida. That is one out of every six jobs1

However, Florida's tourism was not always this successful. Mosquito populations posed VISIT FLORIDA EVER a serious threat to both the livelihood of Floridians and appeal to visitors. Since the 1950s, mosquito population control efforts have reduced the number of mosquitoes in Florida by more than 90 percent². Mosquito control has had positive results for the state of Florida. Not only can 21 million people call Florida home, millions of tourists can enjoy its parks, cities and beaches without constant worry of nuisance mosquitoes. The control of mosquitoes leads to increased jobs, revenue and enjoyment.

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INCREASED DECREASED FAILURE TO CONTROL MOSOUITOES CAN NEGATIVELY

ECONOMY VISITORS HEALTH JOBS UFILIFAS S Center for Public Issues Education ication was produced with funding provided by the Florida Department of Healt

TOURISM

INDUSTRY

Impact of Mosquito Control on REVENT **Honey Bees**

DID YOU KNOW?

Mosquito control that focuses on breeding habitat and HELP BEES? mosquitoes that have not reached adulthood do not pose any significant harm to bees. According to the University of Florida Institute of Food and Agricultural Sciences, Bti, a naturally occuring bacterium found in soils, is not harmful to honey bees when used as a larval treatment¹

Aerial treatment for adult mosquitoes can impact bees outside of their hives: however, there are precautions beekeepers can take to protect their bees. Beekeepers should work with their local mosquito control program to stay informed on spraying times and dates and inform programs where bees are located². Beekeepers can also temporarily cover the tops of hives with plywood that extends out one foot on all sides, creating a spray shadow for insecticide droplets.

Mosquito control programs can help protect bees by applying aerial treatment before dawn or after dusk when bees are in their hives. During aerial treatment for adult mosquitoes, only 2 tablespoons of insecticide are applied per acre (approximately the size of a football field). According to the Centers for Disease Control and Prevention, there is no significant difference in honey production between hives in treated and untreated sites over the course of a season³

TREATMENT APPLIED AT

CAN REDUCE EXPOSURE TO BEES

http://edis.ifas.ufl.edu/in813

DAWN OR DUSK

//blogs.ifas.ufl.edu/entnemdept/2017/09/22/mosquito-control-florida-beekeepers



WORK

WITH

MOSQUITO

CONTROL

PROGRAMS

HOW CAN BEEKEEPERS

COVER

TOP OF

HIVE WITH

PLYWOOD

EXTENDING

OUT ONE

FOOT

STAY

INFORMED

ON



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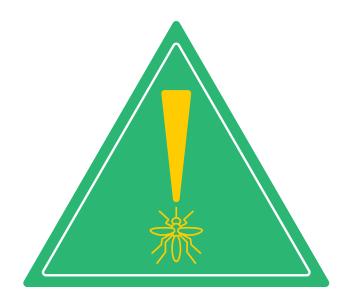




Emergency Response Toolkit

- One week of posts to be used immediately after a natural disaster
 - Educate the public on mosquito activity after a natural disaster
- One week of posts to be used during a disease outbreak
 - Inform the public on the negative effects disease outbreaks can have on public health and the economy







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Visit Emergency Response





Emergency Response Toolkit

PREVENT & PROTECT: EMERGENCY RESPONSE

Type keywords...

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Prevent and Protect: Emergency Response is a resource for Florida's local officials to effectively communicate to our state's citizens about mosquito management during emergency response actions or disease outbreak. *The UF/IFAS Center for Public Issues Education in Agriculture and Natural Resources (PIE Center)*, as part of a Florida Department of Health grant, created the **Prevent and Protect: Emergency Repsonse** web page and related materials below to help local officials communicate to residents of Florida's cities and counties about the importance of mosquito control during emergency response efforts and disease outbreaks. The PIE Center has also compiled helpful resources from the Florida Department of Agriculture and Consumer Services, Florida Department of Health, Centers for Disease Control, and the Environmental Protection Agency.

Download the toolkit

Want to learn more about how you can communicate to your constituents and local residents about mosquito control? Visit Prevent & Protect: Mosquito Control Messages for Your Community.





Emergency Response Toolkit

Social media plan

The social media plan includes two content themes for Facebook and Twitter. Carefully crafted content, including text posts and graphics, can be used on social media to initiate conversations about mosquito control after a natural disaster, such as a hurricane, or during a mosquito-borne disease outbreak.



Customizable social media posts

Each post mentioned in the social media plan is customizable for your emergency response efforts. The PIE Center encourages you to not change the message of the social media post, but suggests that you make each post personal to your organization. We have provided a section of each social media post where you can add a logo/graphic or a link to your city or county's mosquito control Facebook or web page. Be sure to include the tagline "Prevent & Protect" in each of your social media posts!





Download



Download

isease outbreak social media graphics

Natural disaster social media graphics



Special thanks to ...

Rhoel Dinglasan

Associate Professor of Infectious Diseases, University of Florida

Director of the CDC Southeastern Regional Center of Excellence in Vector Borne Diseases

Adriane Rogers

Chief of the Bureau of Scientific Evaluation and Technical Assistance

Florida Department of Agriculture and Consumer Services, Division of Agricultural Environmental Services

Davis Daiker

Assistant Division Director, Division of Agricultural Environmental Services Florida Department of Agriculture and Consumer Services

Blair Siegfried

Professor and Chair in the University of Florida Department of Entomology and Nematology





PREVENT & PROTECT

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