Memorandum

MIAMI-DADE COUNTY

Date: June 25, 2014

To: Honorable Chairwoman Rebeca Sosa and Members
Board of County Commissioners

From: Carlos A. Gimenez
Mayor

Subject: 2014 Mosquito Season Overview

This memo provides information on the 2014 Mosquito Season and the actions of the Public Works and Waste Management Department's (PWWM) Mosquito Control Section to address mosquito infestations countywide and to reduce and prevent the transmission of mosquito-borne illnesses.

The PWWM's Mosquito Control Section is dedicated to reducing mosquitoes using the most effective methods and technologies that will protect human health and enhance the quality of life for all residents. Mosquito control staff conduct truck and aerial spray activities when mosquito counts have exceeded existing standards and the number of complaints has increased. Trucks are deployed nearly every day when mosquito counts are high. Aerial spray missions are conducted to cover large areas of land where mosquitoes are breeding and/or creating a nuisance.

Spray activities are conducted to distribute a safe, EPA-approved insecticide to areas of the County that have recently had high concentrations of mosquitoes. The distribution of insecticides is accomplished in two different methods. The first is with truck-mounted equipment utilizing in-house staff and the second is by aerial application with an aircraft through an established contract with the creation of a work order. Additionally, the United States Air Force (USAF) provides the County with specific dates when their C-130 aircraft is available and in the area to fly training missions and apply the insecticides for the County at no cost. All insecticides used in our operations are applied in strict accordance with label instructions and Florida Statutes as detailed in Chapter 388. The insecticides used to control mosquitoes are non-persistent, which means they last only a short period of time and are biodegraded into harmless byproducts eliminating any residual effects. However, it is suggested that people with known allergies stay indoors during spray activities. As well, PWWM notifies beekeepers and requests that they keep their bees covered during the spraying operations in their area.

Of concern to the public is the possible transmission of mosquito-borne illnesses such as West Nile Virus, Dengue Fever, Encephalitis, Malaria, and most recently Chikungunya Fever. The Florida Department of Health in Miami-Dade (DOH Miami-Dade) investigates these and other human mosquito-borne diseases. DOH Miami-Dade works closely with PWWM's Mosquito Control Section in order to protect our community.

In preparation for the upcoming Independence Holiday where outdoor activities and celebrations increase, PWWM has a list of pre-identified locations where Fourth of July events are being held and has scheduled truck spraying for the morning of July 4, 2014 (list attached).

Over next the few weeks, PWWM will launch an aggressive public education campaign to increase public awareness of our mosquito control efforts. PWWM will work cooperatively with the DOH Miami-Dade in this effort. Public involvement is crucial to prevent mosquito breeding and to reduce the risk of contracting mosquito-borne illnesses. Utilizing the Health Department's "Drain and Cover" campaign, PWWM will communicate simple measures that can be undertaken by residents to prevent mosquito breeding and to protect themselves from mosquito bites and transmission of mosquito-borne illnesses. Copies of the tri-lingual flyer are attached to this memorandum. The "Drain and Cover" campaign is available to the public at http://www.dadehealth.org/downloads/drain_cover.pdf. Residents can also learn about Miami-Dade County's mosquito control efforts by visiting the PWWM website at www.miamidade.gov/publicworks.

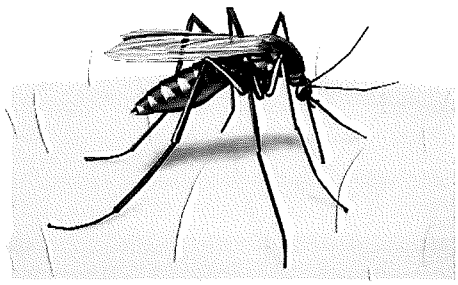
The PWWM's Public Information and Outreach (PIO) Division will make mosquito prevention information available to each Commissioner's office for distribution to constituents or inclusion in newsletters. Please contact PIO Division Director Gayle R. Love at 305-514-6607 or loveg@miamidade.gov for more information.

Attachment

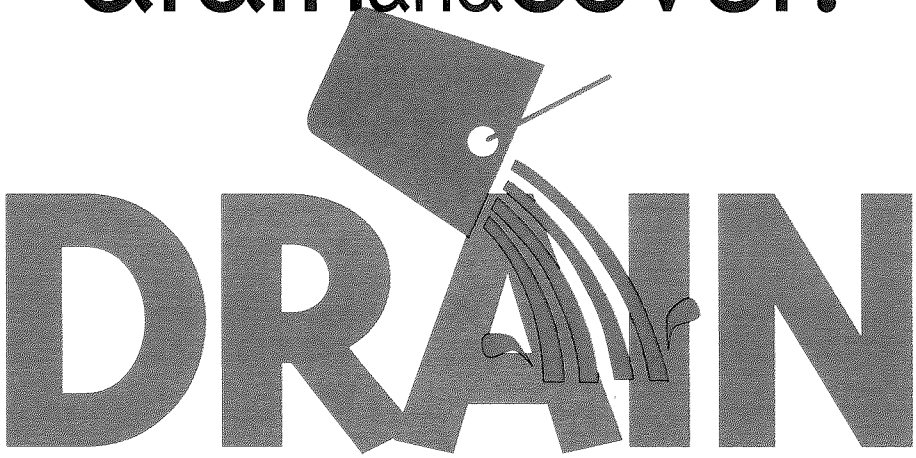
c: Honorable Harvey Ruvin, Clerk of the Board
R. A. Cuevas, Jr., County Attorney
Alina T. Hudak, Deputy Mayor and Interim Director of Public Works and Waste Management
Antonio Cotarelo, County Engineer, Public Works and Waste Management

Fourth of July event locations for mosquito abatement activities:

- Peacock Park (Coconut Grove) – 2820 McFarland Rd
- Bayfront Park (Downtown) – 301 Biscayne Blvd
- FIU Biscayne Bay Campus (NE) – 3000 NE 151 St
- Country Walk (South Dade) – 14601 Country Walk Drive
- Barnacle Park (Coconut Grove) – 3485 Main Hwy
- Biltmore Hotel (Coral Gables) – 1200 Anastasia Ave
- Black Point Marina (South Dade) – 24775 SW 87 Ave
- Lakes of the Meadows – From 147th Ave to 157th Ave and from Bird Road to Miller Drive
- Hammocks – From 147th Ave to 167th Ave and from Kendall Drive to 120th Street



Feeling the sting of mosquitoes? Then it's time to drain and cover.



Drain standing water.

Drain water from garbage cans, house gutters, pool covers, coolers, toys, flower pots or any other containers where sprinkler or rain water has collected.

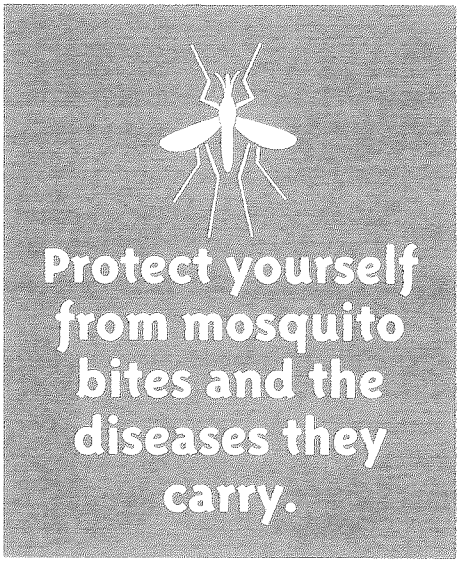
DISCARD:
old tires, drums, bottles, cans, pots and pans, broken appliances and other items that aren't being used.

EMPTY AND CLEAN:
birdbaths and pets' water bowls at least once or twice a week.

PROTECT:
boats and vehicles from rain with tarps that don't accumulate water.

MAINTAIN:
the water balance (pool chemistry) of swimming pools. Empty plastic swimming pools when not in use.

Stop mosquitoes from living and multiplying around your home or business.



Don't forget to drain and cover.

COVER YOUR SKIN WITH:

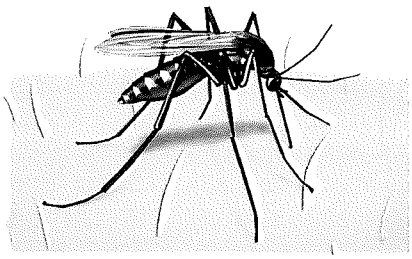
CLOTHING If you must be outside when mosquitoes are active, cover up. Wear shoes, socks, long pants, and long sleeves.

REPELLENT Apply mosquito repellent to bare skin and clothing. Always use repellents according to the label. Repellents with DEET, picaridin, oil of lemon eucalyptus, and IR3535 are effective. Use mosquito netting to protect children younger than 2 months.

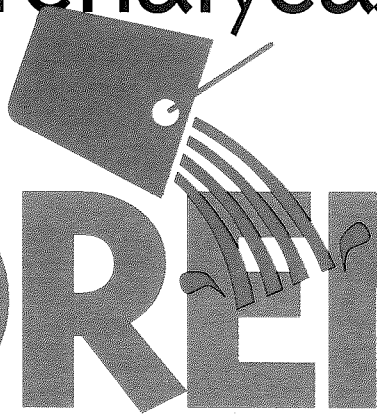
COVER DOORS AND WINDOWS WITH SCREENS.

Keep mosquitoes out of your house. Repair broken screens on windows, doors, porches, and patios.

Florida HEALTH
Miami-Dade County



¿Siente la picada de los mosquitos? Entonces es hora de drenar y cubrir.



DRENE

Drene el agua estancada.

Drene el agua de potes de basura, cañerías residenciales, cubiertas de piscina, neveras portátiles, juguetes, materos o cualquier otro contenedor donde se ha acumulado agua de rociadores o de lluvia.

DESCARTE:
llantas viejas, recipientes para agua, botellas, latas, potes y ollas, aparatos rotos y otros artículos que no se estén utilizando.

VACÍE Y LIMPIE:
baños para pájaros y tazones de agua para mascotas por lo menos una o dos veces por semana.

PROTEJA:
botes y vehículos de la lluvia con cubiertas que no acumulen agua.

MANTENGA:
el balance químico de la piscina. Vacíe piscinas de plástico cuando no se estén utilizando.

Detenga a los mosquitos para que no vivan y se multipliquen alrededor de su casa o negocio.

No se olvide de drenar y cubrir.

CUBRA

CÚBRASE LA PIEL CON:

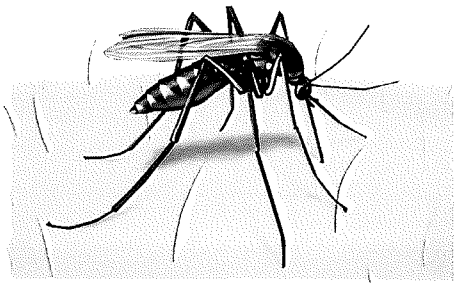
ROPA Si usted debe estar afuera cuando los mosquitos están activos, cúbrase. Póngase zapatos, medias, pantalones largos y mangas largas.

REPELENTE Aplique repelente de mosquitos en la piel descubierta y en la ropa. Siempre utilice repelentes de acuerdo a las instrucciones en la etiqueta. Repelentes con DEET, picaridin, aceite de eucalipto de limón y IR3535 son eficaces. Use mallas de mosquitos para protejer niños menores de 2 meses.

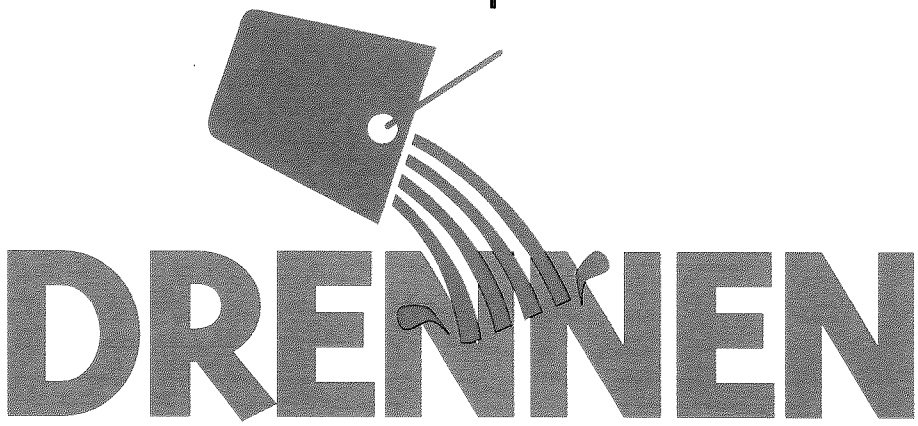
CUBRA PUERTAS Y VENTANAS CON MALLAS.

Mantenga los mosquitos fuera de su casa. Repare mallas rotas en ventanas, puertas, porches y patios.

Florida HEALTH
Miami-Dade County



Ou santi moustik ap pike w?
Sa vle di li lè pou drennen epi kouvri.



Drennen dlo dòmi.

Drennen dlo nan poubèl, goutyè, kouvèti pisin, glasyè, jwèt, potaflè oswa tout lòt resipyan kote dlo pou wouze oswa dlo lapli stoke.

JETE:
vye kawotchou, dwoum, boutèy, bidon, po ak kastwòl, aparèy kase ak lòt atik ki pap sèvi.

VIDE EPI NETWAYE:
basen zwazo ak abrevwa bèt domestik yo, youn oswa de fwa pa semenn omwens.

PWOTEJE:
bato ak machin kont lapli ak bach ki pa kenbe dlo.

KENBE:
konpozisyon chimik dlo pisin yo.
Vide pisin an plastik yo lè yo pap sèvi.

Anpeche moustik viv epi miltipliye bò lakay ak biznis ou.

Pwoteje tèt ou kont piki moustik ak maladi yo pote.

Pa bliye drennen epi kouvri.

KOUVRI

KOUVRI PO W AK:

RAD Si ou dwe rete deyò lè moustik yo aktif, kouvri kò w. Mete soulye, chosèt, pantalon long, ak manch long.

SOLISYON KANPE LWEN POU MOUSTIK Pase solisyon kanpe lwen sou po w ak rad ou. Toujou itilize solisyon kanpe lwen jan etikèt la di l la. Solisyon kanpe lwen ki fèt ak DEET, ikaridin, esans sitwon ekaliptis, ak IR3535 efikas. Itilize moustikè an til pou pwoteje timoun pi piti pase 2 mwa.

SKRINE PÒT AK FENÈT YO.

Pa kite moustik rantre nan kay la. Repare skrin fenèt, pòt, galri ak teras yo.

Florida HEALTH
Miami-Dade County