New World Screwworm Response Outreach

DR. NELLY AMADOR JEHN
SMALL ANIMAL PROGRAMS MANAGER
Response Efforts

- Florida State and Federal animal and wildlife officials working jointly
  - Fly-trapping to determine the extent of infestation
  - Disease surveillance to identify additional cases
  - Prevent infestation from spreading to new areas
  - Elimination of New World screwworm flies from the affected Keys
    - Sterile fly release twice weekly at several locations
    - Approximately 1.9 million flies per week
Overview

- Animal Health Checkpoint
  - Outreach
    - Veterinarians
    - Residents
    - Posters/brochures
    - 1-800-HELP-FLA
    - Key Deer Refuge treatments
Disease Surveillance Branch - Animal Checkpoint

- Office of Agricultural Law Enforcement
- Veterinary Support
- Animal Inspectors

- Key Largo on US 1; “Mandatory” inspection of all animals
  - Treatment required for all livestock
  - Companion Animals with wounds were closely examined.
Livestock Treated at Keys Interdiction Stations

This detection of the screwworm in Monroe County is the first detection in Florida in 50 years, and the screwworm poses a significant threat to animals. Early detection is key, and the public’s support of reporting suspected cases and having their animals checked prior to leaving the Keys is crucial.

In an effort to eradicate the screwworm and prevent its spread, the department has established an Animal Health Check Zone and will be checking animals for the presence of screwworm at mile marker 106. Only vehicles transporting animals will need to pull into the interdiction station for inspection.

At the Animal Health Check Zone, it was determined that your livestock are required to receive protection through the administration of a product that will protect both your animal(s) and the animals of the State of Florida. The products used for treatment were selected as the best option for these animals and environmental conditions. The products do have specific labeling which requires that Withdrawal periods following treatment are in effect for use of these animals or their products for human consumption. Please adhere to the table below for withdrawal following treatment. Please do not slaughter animals or use eggs/milk until after withdrawal period has passed. Treatment was provided as either moxidectin or permethrin.

<table>
<thead>
<tr>
<th>Species of Animal /Treatment</th>
<th>Meat withdrawal</th>
<th>Egg/Milk withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poultry/moxidectin (topical)</td>
<td>28 days</td>
<td>Eggs - 7 days</td>
</tr>
<tr>
<td>Goats/moxidectin (topical)</td>
<td>1 day</td>
<td>Milk - 1 day</td>
</tr>
<tr>
<td>Sheep/moxidectin (oral)</td>
<td>11 days</td>
<td>N/A</td>
</tr>
<tr>
<td>Pigs/permethrin (topical)</td>
<td>5 days</td>
<td>N/A</td>
</tr>
<tr>
<td>Cattle/moxidectin (topical)</td>
<td>0 days</td>
<td>1 day</td>
</tr>
</tbody>
</table>

Thank you for assisting in the very important protection of the Florida’s livestock industries.
Hurricane Matthew

Category 4 Hurricane Matthew
Now north of Cuba
Hurricane Watches and Warnings up for Bahamas, and South and East Central Florida
Forecast to remain a cat 4 as it rides within 50 miles (sometimes closer) of the Florida coastline some areas along the coast may receive the dangerous eyewall
BE PREPARED

11:20 PM EDT
4 October 2016
Luckily, it missed us!
Overview

- Interdiction Station
- Outreach
  - Veterinarians
  - Residents
  - Posters/brochures
  - 1-800-HELP-FLA
  - Key Deer Refuge treatments
For Veterinarians

Submission Kits
Phone calls
Clinic visits
Updates at Meetings
For Residents

Community Outreach
Flyers/Posters
Radio/Media
Targeted Outreach

Veterinary Medical Associations
Vet Hospitals
Marinas
Groomers
Pet Stores
State Parks
Realtors
Town Meetings
**IMPORTANT ANIMAL DISEASE NOTICE**

New World Screwworm in Florida

- The U.S. Department of Agriculture confirmed the presence of New World Screwworm on October 3, 2016, in Big Pine Key, Florida. A federal and state response effort was immediately activated.
- New World Screwworms are fly larvae (maggots) that can infest livestock and other warm-blooded animals, including people.
- This is the first time in 30 years that there has been an infestation in the United States and more than 30 years since screwworm has been in Florida.
- Screwworm larvae most often enter an animal through an open wound and feed on the animal’s living flesh. If detected early, animals and people can be treated and fully recover.
- Florida’s endangered Key deer population, which only exists in the Keys in Florida, has already suffered losses due to this infestation. Rapid and thorough response efforts are imperative to save this endangered species and prevent further spread to people and animals.

**What To Look For:**

- Wounds in living animals infected with maggots
- Blood tinged discharge from wound and a foul odor
- Discomfort
- Decreased appetite and milk production
- Exudation from instead of heald or food

If you have an animal with an open wound with any of the signs that are referenced above, consult your veterinarian for assistance. Explain that you are concerned about New World Screwworm due to the recent findings in Florida. If you suspect you have a case of screwworm in your area, please contact the Florida Department of Agriculture and Consumer Services at 1-800-HELP-FLA (1-800-435-7352).

To report a suspected case of screwworm, call 1-800-HELP-FLA (1-800-435-7352). Non-Florida residents can call 888-410-3800. To report a suspected case in a Key deer, call 1-888-604-PWCC (1-888-604-7922).

You can also go to FreshFromFlorida.com/Screwworm and upload a photo and some basic information in order to have a veterinarian review the photo of a suspected case of screwworm.

To sign up for daily New World Screwworm informational updates and to learn how to protect yourself and your pets, please visit FreshFromFlorida.com/Screwworm or call 1-800-HELP-FLA (1-800-435-7352).

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**Noticia Importante Acerca de una Enfermedad Animal**

Gusano Barrenador del Nuevo Mundo en Florida

- La presencia del gusano barrenador, una plaga exótica de animales, fue reportada por el Departamento de Agricultura de EE.UU. el 3 de Octubre de 2016, después de que los resultados de los tests de las muestras de Monroe County, Florida fueron positivas.
- El gusano barrenador del Nuevo Mundo son las larvas de mosca (gusanos) que pueden infestar el ganado y otros animales de sangre caliente, incluyendo personas.
- Esta es la primera vez en 30 años que ha habido una infestación en los Estados Unidos y más de 50 años desde que el gusano barrenador ha estado en Florida.
- Larvas del gusano barrenador con más frecuencia entran en un animal por heridas abiertas y se alimentan de carne de animales vivos. Si se detecta rápidamente, los animales y las personas pueden ser tratadas y recuperarse completamente.
- La población de ciervos en peligro en Florida, que sólo existe en los Cayos de Florida, ya ha sufrido pérdidas debido a esta infestación. Los estériles de una respuesta rápida y completa son imprescindibles para salvar esta especie en peligro de extinción y evitar una mayor propagación de la enfermedad a personas y animales.

**Qué debemos buscar:**

- Heridas en animales vivos infectados de gusanos
- Heridas febriles de sangre y Mal-olor
- Incomodidad
- Deminución de apetito y producción de leche
- Aislamiento del resto del rebaño o manada

Si usted tiene un animal con una herida abierta con cualquiera de los signos mencionados arriba, consulte a un veterinario para asistencia. Explique que usted está preocupado acerca del gusano barrenador debido a los recientemente hallazgos en Florida. Para reportar casos sospechosos de gusano barrenador llame al 1-800-HELP-FLA (1-800-435-7352). Los residentes de Florida pueden llamar al (888) 410-3800. Para reportar un caso sospechoso en Cayo ciegos (888) 464-2925. También puede ir a FreshFromFlorida.com/Screwworm e insertar una foto e información básica de un caso sospechoso de gusano barrenador con el propósito de pedir a un veterinario revisar la foto.

Para inscribirse en actualizaciones diarias de información acerca del gusano barrenador, y para aprender a protegerse y proteger a sus mascotas, por favor visite FreshFromFlorida.com/Screwworm o llame al 1-800-HELP-FLA (1-800-435-7352).

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**USDA**

FDACS-P-01298
Posters Around Town

- Grocery stores
- Gas stations
- Restaurants
1-800-HELP-FLA

- General information about caller and address, if calling in regards to suspected case.
- Information distributed to multiple people.
- Follow up on resolution.
FreshFromFlorida.com / Screwworm

- Education
- Get daily updates
- Submit photos for review
- Resources
Disease Surveillance Branch

- Animal Health Checkpoint
- Outreach and Investigation
  - Resources for vets, public, pet stores, groomers, marinas, grocery stores, dog parks, etc.
  - Public meetings
  - Posters, Door hangers, Tri-fold brochures
  - Toll-free Hotline 24 hr/day; 7 days/week
    - Investigation of reports of myiasis
- Website: www.FreshFromFlorida.com/screwworm
What About Deer Treatment? !?
Deer Treatment

- **Hand Medicating**
  - Lure closer with fruits, then give Doramectin infused “Power Ring”, aka donuts!
  - Try and mark with paint to show deer was treated.

- **Treatment Stations**
  - Doramectin infused paint rollers
Deer Treatment Station
Deer Treatment Stations
Actions to Take

- Monitor animals closely for suspicious wounds
- Notify Authorities Immediately
  - 1-800-HELP-FLA (1-800-435-7352)
- Treat infested wounds with larvicide
- Closely monitor animal movements out of Florida Keys
- Sick or injured Key Deer 1-888-404-FWCC (3922) ext. 7 or 1-305-470-6863 ext. 7.
Additional Resources

Internet Resources:
- Florida Department of Agriculture and Consumer Services
  - www.FreshFromFlorida.com
- USDA-APHIS Veterinary Services
  - www.aphis.usda.gov/vs
- USAHA Foreign Animal Diseases “The Gray Book”
  - www.vet.uga.edu/vpp/gray_book/index

Telephone:
- 1-800-HELP-FLA or 1-800-435-7352
Questions?