

# Board of County Commissioners Leon County, Florida

## Policy No. 11 - 3

Title: Mosquito Control Integrated Pest Management Policy

Date Adopted: May 24, 2011

Effective Date: May 24, 2011

Reference: N/A

Policy Superseded: N/A

---

It shall be the policy of the Board of County Commissioners of Leon County, Florida that:

### **1. Purpose**

It is the goal of Leon County to reduce chemical exposure whenever possible, to humans and the environment by minimizing the use of pesticides through the application of Integrated Pest Management (IPM) practices and emphasizing proven, effective, least-toxic and non-toxic approaches and products for the suppression of mosquito populations.

### **2. Applicability**

The Mosquito Control Program of the Division of Operations shall comply with this policy.

### **3. The IPM Program**

The aim of the IPM Program is to suppress mosquito populations with minimum chemical exposure to humans, the environment, and non-target organisms. The success of the program depends on adherence to the step-by-step IPM process as listed. IPM is not a single chemical approach or strategy, but a decision making process that involves a combination of practices to control mosquitoes. The success of the program depends on adherence to the step-by-step IPM process. IPM requires more information, thought and team planning than ordinary, single-approach management strategies, but the outcome is a healthier community and environment. All mosquito control strategies will adhere to the step-by-step process in the following section.

#### 4. The IPM Process

Steps:

1. SCOUTING - Identify the type of mosquito problem by scouting and inspection.
2. MONITORING - Determine the extent of problem; use visual inspection or monitoring devices; keep records.
3. ANALYSIS – Based on findings in 1 or 2, determine if action should be taken, or take no action based upon action thresholds and continue monitoring.
4. REVIEW CONTROL OPTIONS – Review cultural, mechanical, biological, as well as chemical control options.
5. SELECT CONTROL TACTICS - Select the most environmentally sound and economically viable treatment strategies to suppress the mosquito problem. Least-toxic methods must be used before more toxic ones.
6. USE ACCEPTABLE PESTICIDES - Use only products which are on the EPA's list of approved pesticides.
7. ADHERANCE TO APPLICATION REQUIREMENTS – Ensure all applicable manufacturers', State, and Federal requirements are adhered to in the handling and application of all pesticides.
8. EVALUATE RESULTS – After implementation of control measures, evaluate to determine if action taken has been effective in mosquito reduction and is cost effective.