

Village of Port Barrington Integrated Pest Management Plan

Introduction

"Pests" can be defined as populations of living organisms (animals, plants, or microorganism) that are injurious to humans, their structures, or to animals or plants of interest and value to humans. Integrated Pest Management (IPM) is an approach that establishes a sustainable approach to managing pests by combining biological, cultural, physical, and chemical tools in a way that minimizes health, environmental and economic risks. Elimination of all pests is not the goal in IPM. The goal of IPM is to optimize, not maximize pest control.

IPM Team

Name	Role in IPM Program	Phone #	Email Address
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IPM statement

It is the goal of the Village of Port Barrington (Village) is to implement IPM by focusing on long-term prevention or suppression of pests through: accurate pest identification, frequent monitoring for pest presence, applying appropriate action levels, and making the habitat less conducive to pests using mechanical, physical, and biological controls whenever possible. When pesticides are used, they will be used in a manner that minimizes risks to people, property, and the environment, and only after other options have been shown ineffective.

Our pest management objectives are:

- identifying pests and their natural enemies
- ongoing monitoring and record keeping for regular sampling and assessment
- determining the pest population levels that can be tolerated based on health, environmental and economic concerns and setting action thresholds where pest populations or environmental conditions warrant remedial action;
- preventing pest problems through improved sanitation, waste management, addition of physical barriers, and the modification of habitats that attract, harbor or foster breeding of pests;
- relying to the greatest extent possible on nontoxic, biological, cultural or mechanical pest management methods, or on the use of natural control agents;
- when necessary, using chemical pesticides with preference for products that are the least harmful to human health and the environment; and

- record keeping and reporting of pest populations, surveillance techniques and remedial actions taken.

The IPM Team recognizes and adheres to the following procedures:

- Integrated Pest Management programs are designed to prevent pest problems whenever possible. This is done through monitoring, regular inspections, high standards of sanitation and pest-proofing measures, and modification of environmental conditions conducive to pest problems.
- The IPM Team will set up periodic inspection, monitoring and reporting procedures. All personnel involved in these activities will be informed and trained in their roles within the IPM program. Forms will be provided/created to aid staff and pest professionals in performing and recording actions.
- The IPM Team will establish pest tolerance thresholds and response times for common pests. These thresholds will serve as indicators for the implementation of active control measures. Control measures will not be undertaken if pest damage or populations are below threshold levels unless special circumstances necessitate reduction of a pest population. In such cases a review of the tolerance thresholds will be conducted.
- When pests exceed tolerance thresholds, non-chemical pest control measures and IPM strategies as described in the IPM pest outlines will be practiced and action will occur within the specified response time.
- Pesticides can be used when appropriate, along with other management practices, when other pest prevention and non-chemical control measures have failed to reduce pests below tolerance thresholds. When a pesticide must be used, products that are the least harmful to human health and the environment will be chosen.
- Pesticides will be used only in containerized baits, or for spot treatments targeting the pest problem areas where a minimal amount of material can be used. Routine spraying for pests is prohibited. Routine general spraying of non-target pests is prohibited.
- All pesticide applications must be approved by the IPM Coordinator prior to application. All notification requirements will be met before the pesticide application.
- The application of pesticides is subject to the Federal Insecticide, Fungicide, and Rodenticide Act (7 USC 136 et seq.), U.S. EPA regulations, Occupational Safety and Health Administration regulations, and state and local regulations.
- Follow-up inspections and monitoring will be performed to determine the effectiveness of the IPM strategies applied. The IPM coordinator will continually update the IPM plan with the knowledge gained from the follow-up inspections.
- Public education is an important part of community pest control and should be shared through newsletters, the Village website and social media postings, signage, take-away racks at the Village Hall, etc. Public cooperation is an important part of community-wide pest control and should be supported and encouraged.
- The IPM plan will be reviewed annually to ensure that current IPM strategies are included.

The Village of Port Barrington has had the philosophy of minimal pesticide use for quite some time, keeping in line with County and State Department of Agriculture and Health Department recommendations. Park and easement turf grasses are typically not treated with pesticides or fertilizers. River channel weed control was moved from herbicide spray applications to weed cutting years ago. A future goal of the Village of Port Barrington IPM is to further reduce aquatic herbicide use in pond and playground and Village garden maintenance.

Being that the Village is a community surrounded by water, mosquitoes remain the biggest challenge in pest control. Over the last couple of decades, the Village has moved from spraying for adult mosquitos to the use of biological larvicides when thresholds indicate. Education is also a large part of the Village mosquito management program, emphasizing the removal of standing water around the home as potential mosquito habitat and self-protection. Adult mosquito management is relied on only when disease is present in vector populations and is contracted out to Clarke. Other pests are dealt with on an as-needed basis if/when they become a threat to the health, safety and/or the economic well-being of the community.

In a community with shallow aquifers, the Village supports policies to govern cautious water protection. There are no-phosphorus, illicit discharge and chemical storage ordinances in place. Also by Ordinance, sections of the Village are under a designated water protection area. These policies, along with a solid Integrated Pest Management Plan, serve as a foundation for a healthier environment for area flora and fauna...and humans! Village Officials continue to search out and implement policies and procedures to ensure the health, safety and the enjoyment of surrounding areas for all.