

# ***Integrated Pest Management Plan***

## ***James Madison University***

### ***Facilities Management***

The purpose of this Integrated Pest Management (IPM) Plan is to guide the use of environmentally sensitive pest management strategies and least-toxic control methods at James Madison University. Integrated Pest Management (IPM) is defined as managing pests (plants, fungi, insects and/or animals) in a way that protects human health and the surrounding environment and that improves economic returns through the most effective, least-risk option. Core elements of IPM include:

- Use of least-toxic chemical pesticides
- Minimum use of chemicals
- Use of chemicals and pesticides only in targeted locations and for targeted species
- Routine inspection and monitoring
- Proactive communication

## **Goals**

The goals of the James Madison University IPM Plan are to minimize the impact of site management practices on the local environment, and to reduce the exposure of occupants, staff and maintenance personnel to potentially hazardous chemical, biological and particle contaminants.

The plan addresses environmental practices for outdoor and indoor integrated pest management. Outdoor IPM should focus on keeping the property's pest populations under control and preventing pests from entering the building, with a focus on the building envelope and landscaping features. Indoor IPM should focus maintaining the building envelope to avoid intrusions and managing pest attractants.

## **Strategy**

The IPM program utilizes a four-tiered approach to pest control by setting action thresholds, monitoring and identifying pests, prevention, and finally control. The IPM promotes the use of a range of preventative and non-chemical approaches to control pest populations and stave off infestation. If an infestation with unacceptable impacts occurs, thereby warranting additional treatment, IPM favors the use of least-toxic pesticides. The targeted application of a toxic pesticide is allowed only after all other reasonable non-toxic options are exhausted.

## **Scope**

This IPM Plan applies to the building interior and grounds of all James Madison University areas, 791 acres. The plan includes approved IPM strategies for managing and eradicating pests that are common to the area, and provides resources to facilitate learning about new and emerging IPM strategies. This plan is applicable at all times.

## **Record Keeping**

Monitoring the effectiveness of the IPM Plan over time requires diligent tracking of several items: pest populations and locations; management strategies employed; quantities and types of chemicals and products used; and the outcome of pest management activities. James Madison University shall maintain records that include the information below.

1. Notification to occupants: date, time method
2. Date, time and location of pesticide application
3. Target pest
4. Prevention and other non-chemical methods of control used
5. Type and quantity of pesticide used, including trade name and active ingredient
6. Summary of results
7. Name of the pesticide applicator
8. Application equipment used

## **Performance Measurements, Quality Assurance and Control**

The environmental performance of the IPM program shall be compiled from IPM records and analyzed on a semi-annual basis. An IPM report identifying the types of pest problems encountered at the buildings and the types and quantities of all pesticides used shall be generated by James Madison University for review. The following metrics shall be tracked throughout the year and documented in the report to evaluate the IPM Plan:

1. The severity and location of all major pest infestations
2. The amount of each pesticide product used by volume

Routine inspection and monitoring is performed by James Madison University personnel, including facilities and custodial staff. Particular attention will be paid to problem areas.

## **Responsible Parties**

The IPM manager is responsible for the consistent monitoring and correct implementation of the IPM Plan. James Madison University and Steritech are responsible for record keeping and performance measurement.