



# Safety Instruction

## Integrated Pest Management (IPM)

### INTRODUCTION:

This policy sets forth Oregon State University's written Integrated Pest Management (IPM) program as required by ORS Chapter 634. The objective of the IPM program is to maintain pest populations below action threshold levels while:

- ensuring minimal human exposure to health risks
- inflicting minimal hazards on the environment
- providing for effective monitoring through inspections and standardized record-keeping
- evaluating the effect of the IPM practices

OSU Departments will develop IPM programs that address the following principles:

1. Prevention of pest problems.
2. Monitoring for the presence of pests and pest damage.
3. Establishing the pest population density that can be tolerated or correlated with a damage level sufficient to warrant treatment based on health, public safety, economic or aesthetic thresholds.
4. Treating pest populations via biological, cultural, mechanical, and chemical methods that consider human health, ecological impact, feasibility and cost effectiveness.
5. Evaluating the effects and efficacy of pest treatments.
6. Comply with specific requirements related to child care facilities where applicable.

### SCOPE:

This policy applies to all OSU buildings and property. OSU facility departments will oversee all contracts for pest control. Any appropriately licensed vendor may provide pest control services at OSU. Contractors will comply with the OSU and Department IPM program.

Departments who have employees monitoring or treating pest problems or managing any contractors who monitor and/or treat pest problems will develop a Departmental IPM program. All pest control contractors will abide by the Departmental IPM program when performing work on OSU property.

All pest monitoring and pesticide applications at OSU child care facilities will abide by the specific IPM requirements found within ORS Chapter 634.

### RESPONSIBILITIES:

**Department** - The responsible Department will carry out their IPM program and are also responsible for keeping EH&S informed of any violations of the program, enforcing compliance with the program, and notifying EH&S upon discovery of any new pest infestations and any pests which have not previously been identified on campus. Department IPM coordinators will provide written notification to building occupants in accordance with the approved Departmental IPM program. When a pesticide label specifies a required quarantine time the applicator will post the treatment area with signs notifying all occupants of the quarantine requirements and the treatment application time. Each Department's IPM Plan will include a master list of identified pests, monitoring methods, and acceptable treatment procedures.

**Environmental Health and Safety** - EH&S is responsible for administering the OSU IPM policy and assisting Departments in managing their IPM programs.

**Contact EHS:**  
safety@oregonstate.edu  
oregonstate.edu/ehs/  
541 • 737 • 2273

**IPM Coordinator** - Is responsible for identifying employees within their department who monitor or treat pests or who manage contractors who monitor and/or treat pests on University property or in University buildings. The IPM Coordinator will also be responsible for maintaining required employee training and licensure records, ensuring employees are aware of and follow the approved Departmental IPM program, and will share any additional knowledge of specific hazards (e.g. electrical, confined space, atmospheric) in the target work area with the contractor prior to the any work being started.

IPM Coordinators for OSU child care facilities will follow the IPM requirements found within ORS Chapter 634 for annual training, low-impact pesticide use, pest monitoring, overseeing notice of applications, and record keeping.

### **DEFINITIONS:**

**Action Threshold** is the level of infestation, damage, or highly potential damage that is identified as unacceptable. Under IPM concepts, levels below Action Thresholds will not normally warrant chemical control methods.

**Integrated Pest Management (IPM)** is a decision making process for determining the need for pest suppression treatments and determining time, location, strategy, and mix of tactics to use. In IPM programs, a treatment is not made according to a pre-determined calendar schedule, but is made only when monitoring indicates that the pest will cause unacceptable economic, health, or aesthetic damage.

**Low Impact Pesticide** is any pesticide included on the OSU Integrated Plant Protection Center (IPPC) Low Impact Pesticide list.

### **GENERAL REQUIREMENTS:**

IPM prevention strategies are designed to proactively manage and minimize pest issues, and to prioritize the use of non- and least-toxic measures, when practical. In the event that pest control is needed, this plan requires the use of the least-toxic option that is likely to be effective.

#### Inspection and Monitoring

Pest management begins with preventative measures, namely visual inspection for pest occurrences and monitoring of previously identified pest populations. Monitoring traps may also be used to evaluate the existence and concentration of pests.

#### Preventative Strategies

Targeted maintenance activities are the first step to controlling an observed pest. The IPM Coordinator will determine the appropriate preventative strategy depending on pest type and its location within the building or grounds. Typical activities at this stage of the IPM process include the following:

Sanitation – reduce or remove habitat and food sources for pests:

- Clean garbage containers and interior spaces, e.g., tenant kitchens
- Work with tenants to improve cleanliness practices and/or develop cleaning solutions to prevent future pest issues
- Clean areas around exterior and loading dock garbage containers, and keep adjacent sidewalks and alleys free of trash and other debris

Structural Maintenance – prevent pests from entering the building:

- Identify and perform structural repairs, e.g. caulking, sealing, screening
- Replace door sweeps or stripping on applicable doors to produce a good seal to the ground.

**Low Impact Pesticides** - All pesticides applied at OSU should adhere to the list of low impact pesticides as maintained by OSU Integrated Plant Protection Center (IPPC). For applications of chemicals not on the list, the OSU IPPC, Oregon Department of Agriculture, or EH&S should be consulted as necessary.

**New Pests** – Each IPM Coordinator will work with the Department and pest control vendor to develop a monitoring and treatment plan for any new pests found. Most information regarding specific pests can also be found on the Oregon Department of Agriculture or Oregon State University Extension Service web sites.

**Notification** - The IPM Coordinator will inform pest management contractors of the IPM program. The IPM Coordinator will advise the contractor of any additional known safety provisions that may be in place. The contractor will notify a department IPM coordinator a minimum of 48 hours prior to any treatment and debrief the department coordinator if there was any deviation from the work plan during the treatment. Department IPM coordinators will provide written notification to building occupants in accordance with the approved Departmental IPM program. When a pesticide label specifies a required quarantine time, the applicator will post the treatment area with signs notifying all occupants of the quarantine requirements and the treatment application time.



**Safety Data Sheet (SDS) and Pesticide Label** – The Department IPM Coordinator will maintain copies of the SDS's and pesticide labels for all pesticides listed in the pest control list. The Department contact will provide copies for any material not listed in the pest control list to EH&S prior to any application. The applicator will have the SDS and pesticide label on-site for any pesticide treatment on University property.

**Pesticide Disposal** - University personnel applying pesticides will follow University and manufacturer disposal recommendations. Contractors will not dispose of treatment residuals such as containers or container rinse water in University waste streams (e.g. storm wastewater, sanitary sewer, dumpsters, catch basins).

**Treatment Record System** - The Department IPM coordinator or the contractor will maintain a clean, legible record with a minimum of the following information for any pesticide treatment:

- name of the University Department contact authorizing work
- name(s) of the applicator(s)
- time and date of application(s)
- pesticide name, formulation, manufacturer and Product EPA Registration No.
- rate and total quantity of material applied
- treatment method (e.g. bomb, bait, injection, baseboard spray, foundation spray, drench)
- specific location where material applied (e.g. building, room, area)
- target pest

The Department IPM coordinator will initiate filling out a treatment record with applicable information prior to any application and maintain the original record on-site during the application. The applicator will then update the record with time, total material applied, and any changes made onsite. The contractor will deliver all original records to the Department IPM coordinator.

The Department IPM coordinator will retain the original treatment records for a minimum of 4 years. The Department IPM coordinator will also send a summary of the treatment records to EH&S at least quarterly using a State ODA approved use reporting worksheet. EH&S will be responsible for forwarding all use logs to the State ODA as required per legislation.

**LIST OF DEPARTMENTS:**

Department	Department Contact & Phone #
Athletics - Landscape	Eric Reisdorf, 737-2328
MU	Sid Cooper, 979-2928
Housing - Residence Halls	Patrick Yurkanin, 737-6142
Housing - Landscape	Patrick Yurkanin, 737-6142
Facilities Services - Academic Buildings	Joe Majeski, 737-7646
Facilities Services - Landscape	Bill Coslow, 737-3488
OSU Foundation	Brian Bauder, 737-7774
Recreational Sports	Bill Calendar, 737-6827
Farm Services	Seth Spencer, 737-3275
Greenhouses	Jim Ervin, 737-6205

**LIST OF CHILD CARE FACILITIES:**

Child Care Facility	IPM Coordinator & Phone #
Bates Hall	Bill Coslow, 737-3488
Child Care Facility	Sid Cooper, 979-2928, Mike Mayers, 737-4105

**Pest Sighting Log**

Date	Pest	Location	Time of day	Above/Below Action Threshold

**PEST CONTROL TREATMENT RECORD:**

Target Pest	
OSU Authorizer:	Department:
Contractor Business Name:	
<b>Pesticide</b>	
Trade Name:	Formulation
Manufacturer:	EPA Product Registration No.
<b>Application Information</b>	
Time & Date	
Building & Room # or Area treated:	
Applicator(s):	
Method:	
Rate:	
Total Material Applied:	