



Safety Instruction

Integrated Pest Management (IPM)

INTRODUCTION:

This procedure sets forth Oregon State University's 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 will implement IPM that addresses 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:

Integrated Pest Management applies to all OSU buildings and property, except agricultural operations. Typically OSU facility maintenance departments will oversee all contracts with pest control contractors for their respective areas. Any appropriately licensed contractor may provide pest control services at OSU. All pest control contractors will comply with the pesticide regulations and OSU's IPM procedures when performing work on OSU property.

- All Child Care Facilities who have employees monitoring or treating pest problems or managing any contractors who monitor and/or treat pest problems **must** designate an IPM Coordinator, maintain a written IPM plan, and comply with special additional IPM requirements related to low-impact pesticides, training, licensing, postings, notifications, and record keeping.
- All Non-Child Care Facilities must follow the principles of IPM found within ORS Chapter 634, designate an IPM Coordinator, and maintain a written IPM plan.

RESPONSIBILITIES:

Department - The Department that is taking part in or overseeing the performance of pest control, will maintain a written IPM Plan and notify EH&S of any IPM management issues or violations of the program. Departments will provide IPM monitoring and/or application records to building occupants as requested.

Environmental Health and Safety - EH&S is responsible for ensuring the OSU IPM procedure is current and assisting Departments in managing their IPM programs.

IPM Coordinator – IPM Coordinators for OSU Child Care Facilities will follow and/or oversee the IPM requirements for annual training, low-impact pesticide use, pest monitoring, notice of applications, and record keeping. IPM Coordinators for Non-Child Care Facilities will manage their department's IPM program. IPM Coordinators are responsible for managing in-house employees or private contractors who monitor and/or treat pests on University property or in University buildings. As applicable for Child Care Facilities, the IPM Coordinator will also be responsible for giving or overseeing notice

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and posting warnings, overseeing prevention efforts, ensuring proper applications and evaluating results, maintaining required employee training and licensing, ensuring employees follow their IPM plan, and share any additional knowledge of specific hazards (e.g. electrical, confined space, atmospheric) in the target work area prior to any work being started.

OSU School IPM Program - The mission of the OSU School IPM Program is to work with schools and school districts in their IPM efforts and to provide training and resources for the community and IPM Coordinators.

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.

Child Care Facility is an Oregon prekindergarten or federal Head Start program, and for the intent of the regulations, will also include any other similar OSU child care facility.

Department is the department or campus organization that is undertaking or overseeing pest control measures within their respective areas and facilities.

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 that meets the requirements of the Low Impact pesticide list.

Non-Child Care Facility is any OSU facility other than a Child Care Facility.

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 Child Care facilities must adhere to the list of low impact pesticides. All other OSU facilities should attempt to use low-impact pesticides when possible.

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 OSU IPM procedure and will advise the contractor of any additional known safety provisions that may be in place. For Child Care Facilities, the IPM Coordinator or designee will provide written notification to building occupants at least 24 hours prior to treatment. Warning signs must be placed at least 24 hours before the application occurs and removed no earlier than 72 hours after treatment. Both the notice and sign information must follow content information found in the regulations.

Safety Data Sheet (SDS) and Pesticide Label – The IPM Coordinator will maintain copies of the SDS's and pesticide labels for all pesticides used, or if applied by a contractor, be able to access these documents quickly.

Pesticide Application Records - Application records are to be maintained for a minimum of 4 years for Child Care Facilities and a minimum of 3 years for Non-Child Care Facilities. The 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) and license number(s)
- pest condition that prompted the application
- pesticide name, formulation, manufacturer and Product EPA Registration No.
- time and date of application(s), treatment location and method applied
- rate and total quantity of material applied
- type of application and whether application proved effective (Only for Child Care Facilities)
- dates the IPM Coordinator initiated and removed required notices required by ORS 634.74 (Only for Child Care Facilities)
- copies of all notices given under ORS 634.74 (Only for Child Care Facilities)

TRAINING:

Every year IPM Coordinators who manage the integrated pest management program shall receive OSU School IPM Coordinator training (6 hours). This training also offers continuing education to those who hold a pesticide applicators license approved by the Oregon Department of Agriculture (ORS Chapter 634).

ADDITIONAL RESOURCES:

<u>Non-Child Care Facilities</u> (minimum required documents)	<u>Child Care Facilities</u> (minimum required documents)
<u>IPM Plan Template – Non-Child Care Facilities</u>	<u>IPM Plan Template – Child Care Facilities</u>
	<u>Checklist for School Staff Applicators</u>
	<u>Checklist for Commercial Pesticide Applicators</u>
	<u>Pesticide Application Record Keeping Form</u>

WEB RESOURCES:

- [OSU School IPM Program](#)
- [Oregon Department of Agriculture School IPM](#)
- [National Pesticide Information Center](#)
- [Oregon State University Low-Impact Pesticide List](#)
- [Hiring an Outside Contractor](#)