



Integrated Pest Management Plan (IPM)

2019.2020 Update

INTRODUCTION

Pests as defined on ORS 634.700 can interfere with the day-to-day operations of Grants Pass School District #7 facilities. Strategies for managing pest populations will be influenced by the pest species and whether that species poses a threat to the students, staff, property, and/or the environment. Pest management plans will be developed for Grants Pass School District #7 and will include pest management measures.

Integrated Pest Management (IPM) is a proactive strategy that:

- ▶ Focuses on the long-term prevention or suppression of pest problems through economically sound measures that:
- ▶ Protect the health and safety of students, staff and faculty;
- ▶ Protect the integrity of campus buildings and grounds;
- ▶ Maintain a productive learning environment; and
- ▶ Protect local ecosystem health;
- ▶ Focuses on the prevention of pest problems by working to reduce or eliminate conditions of property construction, operation and maintenance that promote or allow for the establishment, feeding, breeding and proliferation of pest populations or other conditions that are conducive to pests or that create harborage for pests;
- ▶ Incorporates the use of sanitation, structural remediation or habitat manipulation or of mechanical, biological and chemical pest control measures that present a reduced risk or have a low impact and, for the purpose of mitigating a declared pest emergency, the application of pesticides that are not low-impact pesticides;
- ▶ Includes regular monitoring and inspections to detect pests, pest damage and unsanctioned pesticide usage;
- ▶ Evaluates the need for pest control by identifying acceptable pest population density levels;
- ▶ Monitors and evaluates the effectiveness of pest control measures;
- ▶ Excludes the application of pesticides on a routine schedule for purely preventive purposes, other than applications of pesticides designed to attract or be consumed by pests;
- ▶ Excludes the application of pesticides for purely aesthetic purposes;
- ▶ Includes school staff education about sanitation, monitoring and inspection and about pest control measures;
- ▶ Gives preference to the use of nonchemical pest control measures;
- ▶ Allows the use of low-impact pesticides if nonchemical pest control measures are ineffective;
- ▶ Allows the application of a pesticide that is not a low-impact pesticide only to mitigate a declared pest emergency or if the application is by, or at the direction or order of, a public health official.

Grants Pass School District #7 has adopted this Integrated Pest Management Plan for the buildings and grounds Grants Pass School District #7 manages. The plan outlines procedures to be followed to protect the health and safety of staff, students and visitors

from pest and pesticide hazards. The plan is designed to comply with Oregon Senate Bill 637. (ORS 634.700 to 634.750)

Objectives of this IPM plan include:

- Elimination of significant threats caused by pests to the health and safety of students, staff and the public.
- Prevention of loss or damage to structures or property by pests.
- Protection of environmental quality inside and outside buildings.

This IPM plan will be stored in the office of the IPM Coordinator.

IPM COORDINATOR

The Maintenance Supervisor will serve as the IPM Coordinator, to implement and monitor the IPM plan per ORS 634.720 to include but not be limited to the following:.

- (a) Giving notice and posting warnings under ORS 634.740;
- (b) Overseeing pest prevention efforts;
- (c) Providing for the identification and evaluation of pest situations;
- (d) Determining the means of appropriately managing pest damage that will cause the least possible hazard to people, property and the environment;
- (e) Ensuring the proper and lawful performance of pesticide applications;
- (f) Evaluating pest management results; and
- (g) Keeping records as required by ORS 634.750.

(2) A plan coordinator shall complete not less than six hours of training each year. The training shall include at least a general review of integrated pest management principles and the requirements of ORS 634.700 to 634.750.

IPM COMMITTEE

The Grants Pass School District #7 District Safety Committee will annually review of the IPM program and provide guidance to the IPM Coordinator in resolving pest-related issues. The IPM coordinator will document inquiries/complaints and bring such inquires/complaints to the committee for resolution involving IPM issues. The committee will address IPM issues as needed and at least annually. Minutes will be taken of committee meetings and kept on file by the IPM Coordinator. Membership will include the IPM Coordinator, Safety Committee members, and Administrators; the committee may also include community members, health advocates, parents and public.

POSTING AND NOTIFICATION OF PESTICIDE APPLICATIONS

The IPM Coordinator shall be responsible to annually notify parents and guardians of planned and emergency applications of pesticides in facility buildings and on facility grounds.

When pesticide applications are scheduled in Grants Pass School District #7 buildings or on grounds (except where identified in section- Site Exemptions), Grants Pass School District #7 Service Providers and staff shall provide notification in accordance with law, including:

1. Written notice of a proposed pesticide application at the campus to parents and guardians of minor students, adult students, school administrators, faculty members and staff members via email and/or text blasts. The 24-hour notice is required giving the name of the pesticide, registration number, the expected area of application, the expected date of application and the reason for the application.
2. If a pesticide is applied at a campus, plan coordinator or a designee of the coordinator shall place warning signs around pesticide application areas beginning no later than 24 hours before the application occurs and ending no earlier than 72 hours after the application occurs. A warning sign must bear the Words "Warning: pesticide-treated area," give the expected or actual date and time for the application and provide the telephone number of a contact person. If a pest emergency makes it impracticable to place the warning signs at least 24 hours before the pesticide application, the plan coordinator or designee shall place the signs as soon as practicable but no later than at the time the application occurs.
3. If a pesticide is applied at a campus, the integrated pest management plan coordinator or a designee of the coordinator shall place the labeling information and material data safety sheet for the pesticide on file at a school on the campus. The plan coordinator or designee shall record and make available the following information:
 - a. The brand name or trademark of the pesticide product; Record Keeping & Public Access to Info
 - b. The United States Environmental Protection Agency registration number assigned to the pesticide product; Record Keeping
 - c. The pest condition that prompted the application; Record Keeping
 - d. A description of the area on campus where the application occurred; Record Keeping
 - e. The approximate amount and concentration of pesticide product applied; Record Keeping
 - f. The type of application and whether the application proved effective; Record Keeping
 - g. The pesticide applicator or public applicator license numbers and pesticide trainee or public trainee certificate numbers of the persons applying the pesticide; Record Keeping
 - h. The names of the persons applying the pesticide; Record Keeping
 - i. The dates on which the plan coordinator gave any notices required by ORS 634.740;
 - j. The dates and times for the placement and removal of warning signs under ORS 634.740.
 - k. Pesticide application records must include copies of all notices given under ORS 634.740.
 - l. A school shall retain pesticide application records required by this section for at least four years following the application date.

Where pests pose an immediate threat to the health and safety of student or employees, the IPM coordinator, after consulting with the facility administrator and custodian, may authorize an emergency pesticide application and follow notification requirements addressed in item 2 above.

RECORD KEEPING & PUBLIC ACCESS TO INFORMATION

Information regarding pest management activities will be made available to the public at the IPM Coordinators office (909 Madrone, Grants Pass, OR 97526). Pesticide application records shall include and make available those items listed in item 3 above. These records shall be maintained for at least four (4) years.

TRAINING AND OUTREACH

All Grants Pass School District #7 staff will be provided with training on Grants Pass School District #7's IPM policy at hire and during annual update training. Training will include the rationale for the IPM policy and program and specific elements including use of the pest-sighting log and prohibition of pesticide applications by non-licensed individuals.

Additionally, designated staff including the IPM Coordinator, Custodians and those who conduct regular inspections of Grants Pass School District #7 facilities will receive advanced training on identifying pest infestations and pest-conducive conditions. This training will improve the ability of Grants Pass School District #7 staff to oversee Service Providers and Grants Pass School District #7 staff compliance with Grants Pass School District #7's IPM policy and plan.

The IPM coordinator will also outreach to school organizations such as PTA's, PTO's and other stakeholders in our school's community through various methods including email, posting to the District website and texting.

SITE EXEMPTIONS

The following sites are exempt from the IPM policy due to non-instructional areas or non-district owned or maintained properties.

1. District Office, District Transportation Facility, and Maintenance Facility, the West Middle School property located at Danielle and Leonard and any other non-instructional facilities.
2. Boys and Girls club, Juvenile Justice Center, Gilbert Creek Park, Portola Park and any other non-district owned or maintained facilities.

GENERAL IPM STRATEGIES

Pest management strategies may include education, exclusion, sanitation, maintenance, biological and mechanical controls, and pre-approved, site-appropriate pesticides.

An Integrated Pest Management decision at Grants Pass School District #7 shall consist of the following steps:

1. Monitoring with sticky traps to Identify pest species.

2. Estimate pest populations and compare to established action thresholds.
3. Select the appropriate management tactics based on current on-site information.
4. Assess effectiveness of pest management.
5. Keep appropriate records.

Decisions concerning whether or not pesticides should be applied in a given situation will be based on a review of all available options. Efforts will be made to avoid the use of pesticides by adequate pest proofing of facilities, good sanitation practices, selection of pest-resistant plant materials, and appropriate horticultural practices.

When it is determined that a pesticide must be used in order to meet pest management objectives, the least-hazardous material, adequate for the job, will be chosen.

Only low-impact pesticides (ORS 634.705 (5)) shall be used if the IPM coordinator deems necessary. Grants Pass School District No. 7 will be using only products included on the Oregon State University Low Impact Pesticides List.

All pesticide storage, transportation, and application will be conducted in accordance with the requirement of the Federal Insecticide, Fungicide, and Rodenticide Act (United States Code 136 et seq.), Environmental Protection Agency regulations in 40 CFR, Oregon Occupational Safety and Health Administration regulations, Grants Pass School District #7 policies and procedures, and local ordinances.

No person shall apply, store, or dispose of any pesticide on Grants Pass School District #7 properties without an appropriate pesticide applicator license. All pesticide applicators will be trained in the principles and practices of IPM and the use of pesticides approved for use by Grants Pass School District #7. All applicators must comply with the IPM policy and follow appropriate regulations and label precautions when using pesticides in or around Grants Pass School District #7 facilities.

INDOOR IPM STRATEGIES

Typical Pests: Mice, Rats, Cockroaches, Ants, Flies, Spiders, Termites, and Microorganisms

Entryways: Doorways, Overhead doors, Windows, and Openings around pipes, Electrical fixtures, and Duct(s)

- Keep exterior doors shut when not in use
- Place weather stripping around doors
- Caulk and seal openings in walls
- Keep vegetation at least one foot from the structure

Classrooms/Offices: Including PAC, Gymnasiums, Hallways, Offices and Classrooms

- Allow food and Beverages only in designated areas

- Corrugated cardboard cannot be stored in excess
- Keep indoor plants healthy
- Keep areas dry as possible by removing standing water and water damaged and wet materials
- In the all class rooms store animal foods in sealed containers and regularly clean cages
- In all areas remove dust and debris
- Routinely clean lockers and desks
- Frequently vacuum carpeted areas.

Food Preparation and Serving Areas: Cafeteria, Kitchen, Teacher's Lounge, Vending Machine areas and Food Storage Rooms

- Store food in containers that are inaccessible to pest
- Store waste in containers that are inaccessible to pests
- Remove all waste at the end of each day
- Place screens on vents, windows and floor drains
- Corrugated cardboard must be removed immediately
- Clean floor drains daily.
- Remove all food debris including crumbs
- Fix dripping faucets and other water leaks
- Promptly clean food preparation equipment after use
- Caulk or paint to seal cracks and crevices

Rooms with Extensive Plumbing: Bathrooms, rooms with sink, locker rooms and Boiler Rooms.

- Promptly repair leaks and correct other plumbing problems
- Routinely clean floor drains, strainers and grates
- Keep areas dry
- Store paper products or cardboard boxes away from moist areas and direct contact with the floors

Maintenance Areas: Mechanical rooms, Janitorial rooms, etc.

- Allow eating only in designated eating rooms
- Clean trash cans regularly
- Use plastic liners in trashcans
- Keep areas clean and dry as possible
- Store paper products or cardboard boxes away from moist areas and direct contact with the floors and walls.

OUTDOOR IPM STRATEGIES

Typical Pest: Mice and Rats. Turf Pest such as broad-leaf and grassy weeds. Insects such as beetle grubs or sod webworms and turf disease.

Ornamental pest such as plant diseases, insects such as thrips, aphids, Japanese beetles and bagworms.

Parking Lots, Loading Docks, Dumpsters:

- Regularly clean trash containers and gutters
- Regularly remove all waste and paper debris

- Secure lids on trash containers
- Repair cracks in pavement and sidewalks
- Provide adequate drainage

Turf: Lawns, Athletic Fields and Playgrounds

- Select turf type's best adapted for the area
- Adjust mowing height to grass type
- Vary mowing patterns to reduce soil compaction
- Do not over or under water turf water in the "A.M."
- Provide good drainage
- Periodically inspect turf for evidence of pest or diseases
- Have soil analyzed to determine fertilizer requirements
- Time fertilizer applications on an appropriate time
- Aerate soil periodically

Ornamental Shrubs and Trees

- Apply fertilizer to annual and perennials during active growing season
- Apply fertilizer to trees and shrubs early in the growth season or during the dormant season
- Prune branches to improve plants and prevent access by pest to structures
- Periodically inspect plants for evidence of pest or disease
- Remove susceptible plants if a plant disease recurs and requires too many resources to keep healthy
- Select replacement plants from among the disease resistant types

Pesticide Applications

The IPM coordinator must approve applications

- An appropriate application uses the least toxic and most effective pesticide
- Applications must be made by licensed applicators
- Applications will be applied when occupants are not expected to be present for at least 12 hours. A sign will be posted 24 hours before the application and remain 72 hours after application
- Applications will be applied according to label directions
- Proper protective clothing or equipment will be used when applying chemicals.
- Areas will be properly vented after application

Storing Pesticides

- Pesticides will be stored off site or in buildings that are locked and inaccessible to all undesignated personnel

The storage area will have adequate ventilation

- Pesticides will be stored in separate locations.
- Storage facilities will be such that the risk of flooding and contaminating the environment will be minimal
- The storage area will be free of ignition sources
- All pesticides will be stored in their original containers with secure lids.
- If pesticides are stored in occupied buildings precautions will be taken to ensure that the air in the storage space has no chance of mixing with the air in the central ventilation system. Containers will be inspected routinely for leaks.

GRANTS PASS SCHOOL DISTRICT #7 SERVICE PROVIDER ROLES

Grants Pass School District #7 service providers including cleaning, pest control and landscape maintenance will be guided by written and signed contracts including Grants Pass School District #7 developed IPM program specifications for structural pest control providers.

Service providers will be directed to provide special attention to pest-vulnerable areas including food storage, preparation and serving areas, washrooms, custodial closets, mechanical rooms and entryways into the building.

Service providers or other IPM experts will be asked to provide input on any Grants Pass School District #7 facility renovation or reconstruction projects including reviewing plans for pest-conducive conditions, suggesting pest-proofing measures and inspecting construction where applicable to prevent and avoid pest problems.

GRANTS PASS SCHOOL DISTRICT #7 STAFF ROLES

Grants Pass School District #7 administration will provide support to assist the IPM Coordinator in maintaining an IPM program that relies on minimal pesticide use. Such support will include efforts to promptly address any structural, horticultural, or sanitation changes recommended by the coordinator to reduce or prevent pest problems.

Furthermore, Grants Pass School District #7 administration will assist the Coordinator in developing and delivering materials and programs for staff, students, and the public to educate them about the importance of good sanitation and pest control.

The facility administrator is responsible for ensuring staff compliance with the IPM policy and plan.

THRESHOLDS

A threshold is the boundary between a tolerable and an intolerable level of a pest. The higher the threshold, the more pests can be tolerated. Some level of pest presence, except in the cases of a few serious health or quarantined pests, can usually be tolerated.

Action Thresholds for Grants Pass School District #7 Facilities

Ants (Carpenter)

Classrooms and other public areas:	3 ants per room
Kitchen:	5 ants per room
Immediate action if ant colony inside or within 25 feet of any building	

Bees (Honey)

Classrooms, Kitchen and Public Areas:	3 bees
Maintenance areas:	10 bees
Outdoors: No Action unless children are threatened and to be relocated by qualified beekeepers whenever possible.	
Handled by a Qualified beekeeper whenever possible.	

Cockroaches (German)

Classrooms and other public areas: 1 per room
1+ cockroaches track down infestations, review sanitation, trash handling, clutter, open equipment, check accessible areas; vacuum and otherwise clean room and apply containerized baits or baits/gels for crack and crevice treatment

Kitchen: 1+ cockroaches per room
Maintenance areas: 1+ cockroaches per room

Grain and Flour pests

Found in food for human consumption: 1 per package or container
Pet food: 1 if escaping from packaging

House Flies

Classrooms and other public areas: 5 flies per room
Kitchen: 2 flies per room
Maintenance areas: 8 flies per room
Outside grounds:
10 flies around any one trashcan or 20 flies around a dumpster.

Mice:

Indoors: Any mouse sightings or evidence of mice (droppings, tracks, etc) triggers pest management action.

Outdoors: Any noticeable burrows or activity in student areas

Rats

Indoors: Any rat sighting or evidence of rats (such as droppings, tracks) triggers pest management action
Outdoors: Any active burrows or activity

Yellow-jackets/Hornets

Classrooms and public areas: 1 yellow jacket or hornet and any area if children are threatened.
Outdoors: Action necessary if nests are present in or near student activity area.
Trash can or dumpster: 10 in 10 minutes at trash can or dumpster