

INTEGRATED PEST MANAGEMENT

Definitions

Biological Controls -- Use of a pest's natural enemies to control pest population. Conservation and augmentation are the biological control strategies most commonly used by school districts. Conservation simply preserves the natural biological controls already present. Augmentation means increasing the number of biological controls in a particular area.

Chemical Controls -- Pheromones; insect growth regulators; repellants; dusts, soaps and oils; synthetic or botanical insecticides, fungicides and other similar substances. For the purposes of this procedure, chemical controls do not include the application of germ killers, disinfectants, sanitizing agents, water purifiers, swimming pool chemicals or self-applied personal insect repellants.

Integrated Pest Management (IPM) -- The use of a variety of methods for effective pest control while minimizing pesticide use.

Pest -- Includes, but is not limited to: weeds, insects, arachnids, rodents, reptiles, birds and other animals other than those used in classroom instruction.

Pest Tolerance Level -- The level of pests deemed tolerable before action will be taken.

Pre-Implementation Assessment

The superintendent will direct a study to determine:

1. The type and frequency of pests common to the district.
2. Current pest management practices used by the district.
3. Current practices that may contribute to pest problems (food storage on the floor, areas of standing water, etc.).
4. Any landscaping or structural characteristics that contribute to pest problems.

After completion of the study the district will implement the following ongoing pest management procedures:

1. Monitoring and identifying the types and numbers of pests present on district property.
 - < The _____ [title] is designated as the IPM program coordinator and is responsible for monitoring pest sightings. Staff should report the sighting of any pest to the IPM program coordinator on the form provided by the district.

- < The IPM program coordinator will identify each pest, including the specific species, by utilizing available resources including consultation with University of Missouri Extension, the Missouri Department of Agriculture and professional pest control businesses.

2. Establishing pest tolerance levels.

No action will be taken until pest levels exceed the following:

Pest	Number/Area (e.g. five pests per room)				
	Classroom	Medical	Kitchen	Offices	Grounds

Application of Pest Control Tactics

1. The IPM program coordinator will also identify and correct or cause to be corrected any current practices that contribute to pest problems. To prevent pest problems, district staff and students will:
 - < Use plastic and glass storage. Cardboard boxes and paper bags will not be used for storage.
 - < Store all food products off the ground.
 - < Remove food waste from the building in a timely manner.
 - < Refrain from eating at desks or keeping food in desks and lockers.
 - < Keep indoor plants healthy and remove them at the first sign of an infestation.
 - < Report any pest sightings or any conditions that might contribute to a pest problem, such as standing water or accumulated trash.

2. Before any chemical treatment is used, the IPM program coordinator will direct the erection of physical barriers to prevent pests. Physical barriers include:
 - < Closing doors when not in use.
 - < Closing food storage containers when not in use.
 - < Caulking, sealing or repairing cracks.
 - < Using plastic liners and keeping lids on trash cans.
 - < Installing or repairing screens.
 - < Installing or repairing weather stripping.
 - < Fixing water leaks and drips.
 - < Keeping trash receptacles in working order.
 - < Moving trash receptacles away from buildings.

3. If appropriate, exterior biological controls will be utilized.

Chemical Controls

The least toxic form of appropriate chemical control will be applied first. Increasingly toxic chemicals will only be used if the problem continues to exceed established tolerance levels. Treatment will be confined to the smallest area possible to achieve intended results.

Only individuals who are appropriately certified pursuant to Missouri law will be permitted to apply pesticides in or on any district property. Notice of chemical application will be posted in buildings where the treatment is scheduled ___ days prior to application. Each notice will include the name of the active ingredients, the locations of the application, date of the application, approximate time and length of the application, the safe re-entry time or date and the name of the person to contact for additional information.

Assessment of Control Methods

The IPM program coordinator will determine the effectiveness of each pest control tactic used before moving to the next tactic. No further action will be taken until pest numbers again exceed established tolerance levels.

Pest Prevention Education

The IPM program coordinator will prepare informational materials on the district's IPM program and on the prevention of pests in the home, including information about how pests can be carried into school by students. This information will be posted on the district's website and included in student and staff handbooks. Pest prevention information will also be integrated into the curriculum as appropriate and included in staff training.

Pesticide Storage

Pesticides and other chemicals used pursuant to this procedure will be stored in the original container and will have complete label instructions. All pesticides and chemicals used pursuant to this procedure will be stored in a location that is not accessible to students or unauthorized staff. Disposal of unused chemicals will be in accordance with applicable state and federal laws and label directions.

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Note: The reader is encouraged to review policies and/or forms for related information in this administrative area.

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Revised:

Boonville R-I School District, Boonville, Missouri

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