

IMPROVING KIDS' ENVIRONMENT



New Indiana Pesticide Rule for Schools: What You Need to Know



Northwest Indiana Educational
Services Center

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IMPROVING KIDS' ENVIRONMENT



About Improving Kids' Environment

- IKE is a non-profit advocacy organization that works to reduce and remove environmental threats to children's health so they can succeed
- Our mission is to:
 - identify environmental threats to children
 - ensure parents and others have access to accurate information about threats & how to prevent them
 - work with others to remove, reduce and communicate recognized, serious threats





Environmental Threats to Kids

- Children are not “little adults”
 - Bodies, brains & immune systems still developing
 - More susceptible to chemicals and toxins
 - Pound for pound, kids breathe more air, drink more water, eat more food than adults
- Research links pesticide exposures to ADHD, asthma, cancer and developmental disabilities



Reducing Pesticide Use

- IKE promotes integrated pest management (IPM) for schools and child care facilities, using chemical pesticides as a last resort
 - With IKE's help, Pike Township Schools have adopted IPM approach
 - Forming statewide network of IPM advocates and practitioners
 - Help support and grow school IPM network





Proposed School Pesticide Rule

- 357 IAC 1-16: Pesticide Use at Schools
- Final approval from IN Pesticide Review Board in September
- Expected to go into effect by January 2011
- Purpose: to minimize the potential for pesticide exposure to students at schools



Who is Affected

- Physical buildings and grounds of public and private schools in Indiana:
 - Preschool
 - Elementary & middle schools
 - High schools





Rule Does NOT Apply to:

- Sunday schools and vacation Bible schools, and any other program of a religious entity unless accredited by Indiana Department of Education
- Daycare centers
- Home schools
- Any private religious school, except those that are accredited by the Indiana Department of Education



What's Required?

- Pesticides may be used only by:
 - a certified applicator; or
 - an individual operating under the direct supervision of the certified applicator
- Pesticides are not used when students are in the pesticide application area
- Pesticides are stored in locked storage areas
- Except for immediate health threat situations, school corporations provide advance notice of pesticide applications to school parents, guardians, and staff on a notification registry
- School corporations keep records of pesticide applications.

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Pesticides Include:

- Insecticides
- Rodenticides
- Fungicides
- Herbicides/weed killers
- Over-the-counter pesticides, too



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Rule Does NOT Apply to:

- Bactericides
- Disinfectants
- Gel or paste bait insecticides
- Germicides
- Manufactured enclosed insecticides
- Personal insect repellents when self-applied
- Sanitizing agents
- Swimming pool chemicals
- Water purifying chemicals



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Who Can Apply Pesticides?

- Only licensed commercial applicator may apply, mix, transport, store or dispose of pesticides. Includes:
 - For-hire licensed applicator at licensed pesticide business or
 - School staff with a not-for-hire or public applicator license
 - Non-licensed individual under direct supervision of LCA
- Teachers, athletic staff and others may NOT apply over-the-counter pesticides, including bug spray and weed-killers on school grounds



Non-licensed individual may apply when:

Working under the direct supervision of a licensed commercial applicator. Means one of the following:

- (A) The supervision and oversight procedures for noncertified applicators, as required in 355 IAC 4-2.
- (B) The supervising certified applicator is:
 - present at the pesticide application site; and
 - operating under conditions that permit direct voice contact with the noncertified applicator.



Non-licensed individual may apply when:

- (C) The supervising certified applicator:
 - has previously examined the pesticide application site while accompanied by the noncertified applicator;
 - has provided the noncertified applicator with written instructions covering site-specific precautions to prevent injury to persons or the environment at the pesticide application site; and
 - is operating under conditions that permit direct voice contact with the noncertified applicator.

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Pesticide Use Restrictions

- Must not be applied at a school during normal instructional hours when school is in session, unless:
 - Immediate health threat or
 - Outside and not adjacent to student-occupied buildings
- Must not allow students to re-enter area until four hours have passed, or minimum re-entry time on the label, whichever is longer
 - Exception: rodenticide baits in areas inaccessible to students

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Storage Restrictions

Pesticides stored at schools must be in:

- the original pesticide container or a clearly labeled service container, as described in 357 IAC 1-14-3;
- a locked area or cabinet clearly marked as pesticide storage; and
- an area separated by a solid wall from areas where:
 - food is stored;
 - food is served; or
 - students have access.



Notification

- Must invite parents, guardians and staff to be added to pesticide notification registry
 - At start of school year
 - When a student enrolls or transfers
- Must provide notice 48 hours in advance of pesticide application
- By whatever means school corporation deems to be appropriate

Notice of Pesticide Application	
Pesticides May Be Applied in this Building as Part of an Integrated Pest Management Program on (date) _____	
To request information about the use of pesticides in this building contact:	
Company:	_____
Phone/E-mail:	_____
<i>This sign must remain posted for at least 48 hours after the application is completed.</i>	
Date Posted or Provided:	_____
Person Providing Notice:	_____
Date/Time Completed:	_____
Student sign on:	_____
For general information on pesticide and regulations contact: Master Board of Pesticides Control 287.2724, or visit www.indianapesticides.org	



Notice Must Contain:

- The name or address of the school.
- The licensed commercial applicator responsible for the application
- The anticipated date and time of the application.
- The principal target pest.
- A description of the application area.
- The pesticide or pesticides to be applied including the following:
 - The name of the manufacturer.
 - The United States Environmental Protection Agency registration number.
 - The brand name.
- If forty-eight (48) hours advance notice is not provided, an explanation why it was not provided.

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Record-Keeping Requirements

1. The name or address of the school.
2. The licensed commercial applicator responsible for the application including the following:
 - a) Name.
 - b) License number.
 - c) The actual applicator if different than the individual named in clause (A).
3. The date and time of the application.
4. The principal target pest.

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Record-Keeping Requirements (cont.)

5. A description of the application area.
6. The pesticide or pesticides applied including the following:
 5. The name of the manufacturer.
 6. The United States Environmental Protection Agency registration number.
 7. The brand name.
7. The amount used, expressed as either:
 5. concentrate, giving the total quantity of formulation applied, in pounds, gallons, etc.; or
 6. diluted mixture (ready to use), giving the total amount applied and active ingredient concentration (percentage).



Records must be:

- Recorded by the 30th day from the date of application; and
- Kept and maintained for two years from the date of application.
- Licensed for-hire applicator may keep the records
- All required records and information must, upon written or oral request, be made available by the school corporation for inspection and copying.

DATE AND TIME	APPLICATOR AND FIRM	EQUIPMENT	FORMULATION AND RATE (per acre per 100 gals. of water)	TOTAL FORMULATION ADDED TO TANK OR RESERVOIR	ADJUNCT OF VENTURES USED	ADJUNCT TREATMENT USED	LOCATION OF TREATMENT (OWNER, ADDRESS, PHONE NO.)
May 12 1975 3 - 5 PM	Janis's Alfalfa weevil	Lawrence blower	methionin methoxychlor 5 gal./acre #454	15 gal.	58 gal.	28 acres Flat top across the road from Jones	W. Wind on 4 MPH, sunny or fair, Alfalfa weevil
May 14 1975 7 - 9 PM	Johnson's root lice	Root Lice 1	Chlorpyrifos 1.02 (100) #44-3	4 gal.	4 gal.	580 000000	Lice on root collars, collars 3 weeks old, condition good, #47 Alfalfa weevil
May 15 1975 6 - 7 PM	Inter-city lawn needs	Deep weed sprayer	2, 4-D 4.0 lb./gal. #157-1	3 gal.	188 gal.	12 acres #10 Quail	Flooded weeds, W. Wind, sunny, 100000000 3' acreage 000000-EP

Spray record sheet for certified applicators



Common Pest Problems in Schools



Pest water sources



Pest entryways & habitat



Pest food sources



Over-the-counter pesticides



Benefits of Integrated Pest Management (IPM)

- Fewer pest complaints
- Saves money
- Creates a cleaner, healthier school environment for children and staff



IPM Is Pest Prevention & Targeted Management

Through IPM you:

- Keep pests out
- Reduce pest-vulnerable areas
- Determine what pest you have, if you have any, then take effective, safe, pest-specific action
- Use pesticides only as a last resort



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What IPM is Not...

- NOT pesticide-centric pest management
- NOT monthly use of preventive sprays or pesticide treatments



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Keep Pests Out

- Seal cracks & holes
- Install doorsweeps
- Install entry rugs



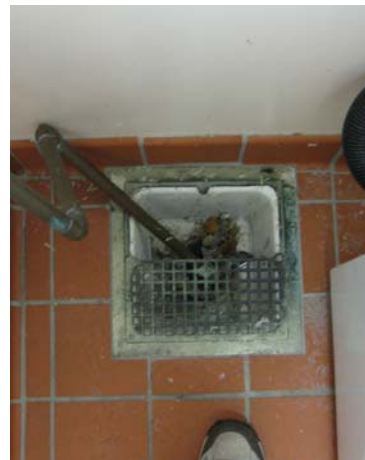
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Reduce Pest-vulnerable Areas

- Food & water sources
- Shelter & habitat



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Things you can do now:

- Get rid of cardboard boxes
- Place food in plastic containers
- Seal ports of entry
- Fix leaks and water sources
- Establish standards for cleanliness throughout building
- Eliminate rogue pest management by staff



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Resources

- The Environmental Protection Agency's IPM in Schools Website:
<http://www.epa.gov/pesticides/ipm/>
- The IPM Institute of North America:
http://www.ipminstitute.org/school_biblio.htm
- National School IPM Information Source:
<http://schoolipm.ifas.ufl.edu/>
- Pennsylvania State University's IPM Extension:
<http://extension.psu.edu/ipm>
- Purdue IPM Extension:
<http://extension.entm.purdue.edu/schoolipm/>

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IPM Take-Aways

- IPM is a safer, healthier pest management alternative
- IPM works for schools
- You can start your school down the path to IPM today

