

Maine School IPM Virtual Workshop

Apr 24 2020 8:00am

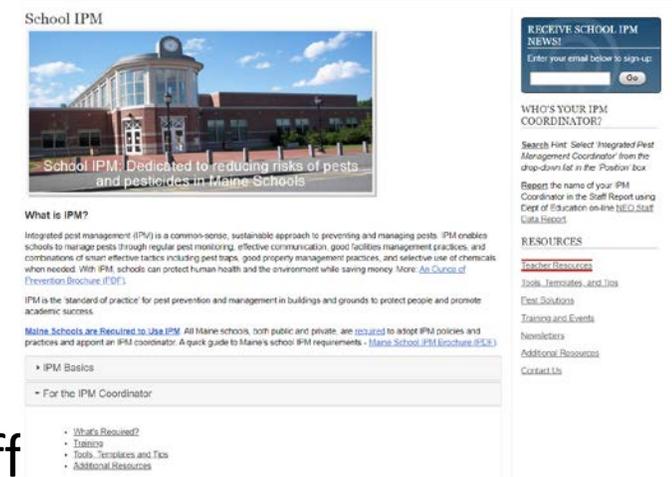
Integrated Pest Management

School IPM



This is NOT a Comprehensive IPM Training!

- Enter email address in the chat to receive a certificate for IPM Continuing Education credit
- New IPM Coordinators:
 - complete the **Initial Training Module:** www.maine.gov/schoolipm > Training and Events
 - Sign up to receive ME School IPM newsletter
 - Are you identified as the IPM Coordinator in DOE NEO Staff Report?
 - Watch for announcements of Comprehensive IPM Training opportunities



The screenshot shows the 'School IPM' website. At the top left, there is a header 'School IPM' and a photo of a school building with the text 'School IPM: Dedicated to reducing risks of pests and pesticides in Maine Schools'. To the right is a 'RECEIVE SCHOOL IPM NEWS!' sign-up form with an email input field and a 'Go' button. Below the form is a section titled 'WHO'S YOUR IPM COORDINATOR?' with a search field and a 'Position' dropdown menu. Further down, there is a 'What is IPM?' section with introductory text and a 'Maine Schools are Required to Use IPM' section with a link to a quick guide. At the bottom, there is a navigation menu with 'IPM Basics' and 'For the IPM Coordinator' sections, each containing sub-links like 'What's Required?', 'Training', 'Tools, Templates and Tips', and 'Additional Resources'. On the far right, there is a 'RESOURCES' section with links for 'Teacher Resources', 'Jobs, Templates and Lists', 'FAQ Solutions', 'Training and Events', 'Newsletters', 'Additional Resources', and 'Contact Us'.

School IPM



What is IPM?

Integrated pest management (IPM) is a common-sense, sustainable approach to preventing and managing pests. IPM enables schools to manage pests through regular pest monitoring, effective communication, good facilities management practices, and combinations of smart effective tactics including pest traps, good property management practices, and selective use of chemicals when needed. With IPM, schools can protect human health and the environment while saving money. More: [An Ounce of Prevention Brochure \(PDF\)](#).

IPM is the 'standard of practice' for pest prevention and management in buildings and grounds to protect people and promote academic success.

[Maine Schools are Required to Use IPM](#). All Maine schools, both public and private, are [required](#) to adopt IPM policies and practices and appoint an IPM coordinator. A quick guide to Maine's school IPM requirements - [Maine School IPM Brochure \(PDF\)](#).

▶ IPM Basics

RECEIVE SCHOOL IPM NEWS!

Enter your email below to sign-up:

Go

WHO'S YOUR IPM COORDINATOR?

Search Hint: Select 'Integrated Pest Management Coordinator' from the drop-down list in the 'Position' box

Report the name of your IPM Coordinator in the Staff Report using Dept of Education on-line [NEO Staff Data Report](#).

RESOURCES

[Teacher Resources](#)

[Tools, Templates, and Tips](#)

[Pest Solutions](#)

[Training and Events](#)

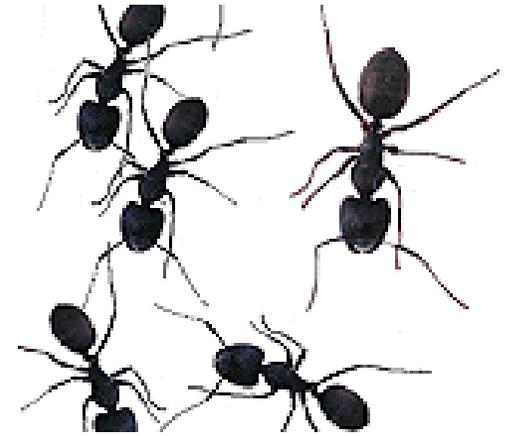
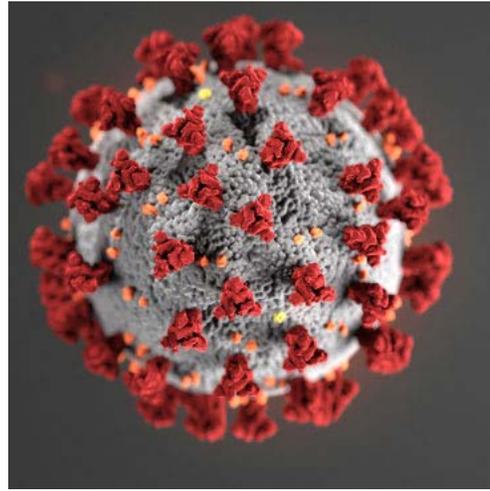
[Newsletters](#)

[Additional Resources](#)

Today we will talk about....

- What exactly IS IPM and why it is critical
- Cleaning, sanitizing and disinfecting...in times of virus outbreaks and beyond
- Rodent IPM... while the students are away the mice will play...inside your schools!
- Resources and your questions answered

**Pests
Threaten
Human
Health and
Comfort**



Pest Prevention and Management is Essential

- Food Safety
- Indoor Air Quality
- Sports Safety
- Property Management



Why Use Integrated Pest Management (IPM)?

- Reduce health risks
- Reduce energy costs
- Save time
- Protect property and the environment
- Solve pest problems sensibly, permanently, affordably

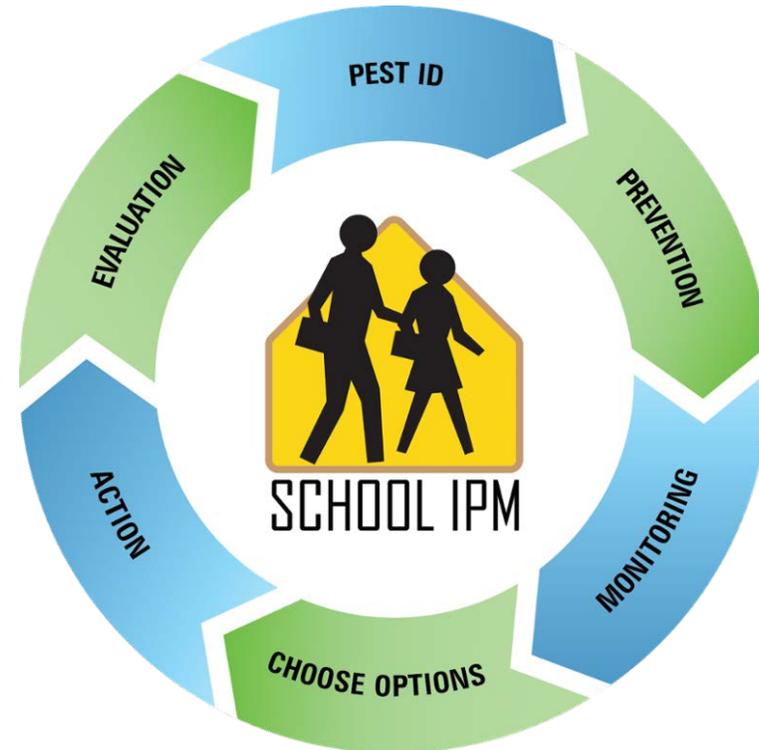


Integrated Pest Management

IPM = Best Management Practice



- **Prevent:** policy, seal pest entryways, eliminate pest-friendly conditions
- **Monitor and Identify** pests
- **Use Smart Pest Control Tactics**
- **Record and Evaluate**



IPM is a Team Effort

Contracted pest Service: monitoring, control communication

Food Service Director and Staff: pest prevention & monitoring

Business Manager: contracts, budgeting

IPM Coordinator is the Team Captain

Students & Teachers: education, sanitation, monitoring



Custodians: Sanitation, monitoring, pest reporting

Maintenance Staff: pest exclusion & monitoring

Office Staff: communication, records, scheduling

Have a Planned Response Protocol for Common Pests

Including:

- Staff training
- Accurate pest ID
- Address the root cause of the problem
- Use proven methods
- Coordinate with contracted service provider if have one
- Keep records



Effective Communication is Key

Your communication network should include:

- IPM Coordinator
- Custodial and maintenance director and staff
- Principal>teaching staff>students>families
- Contracted service providers
- Nurse, athletics staff, nutrition director>kitchen staff



Record-Keeping is Critical

- All schools must keep a Pest Activity Log current for past 2 years
- Serves as a communication, planning and evaluation tool
- Record pest activity, actions taken, pesticide applications, documentation of IPM notices
- Requirements, checklists, templates, sample logsheets and how-to guides at www.maine.gov/schoolipm



Questions?

Thorough Cleaning is #1 Pest Prevention Strategy



Work with Principal, Coaches, Teachers and Booster Clubs to Eliminate Pest-Friendly Conditions

- All food stored in pest-proof containers
- No clutter! Organize storage! Clean, dust and disinfect regularly
- Monitor for pests regularly

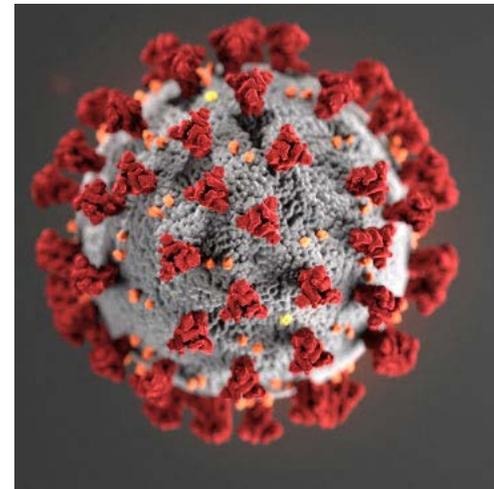


- Work with nutrition and culinary training programs
- Establish protocols for sanitation, inspection, and pest monitoring in
- Kitchens, cafeterias and pantries



Cleaning is Critical to Infection Control and Pest Prevention- Approach it Accordingly

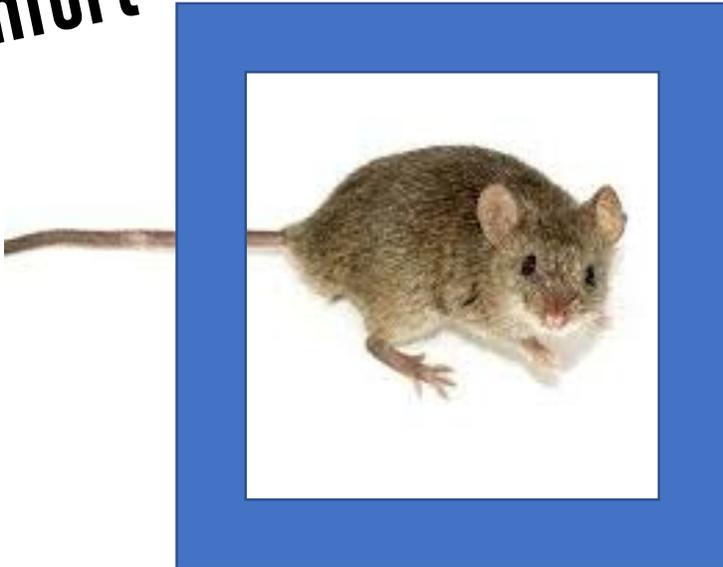
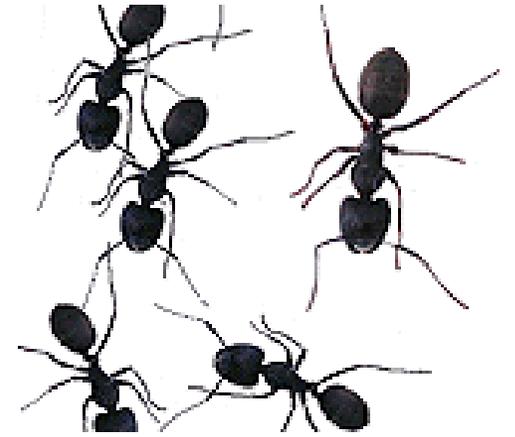
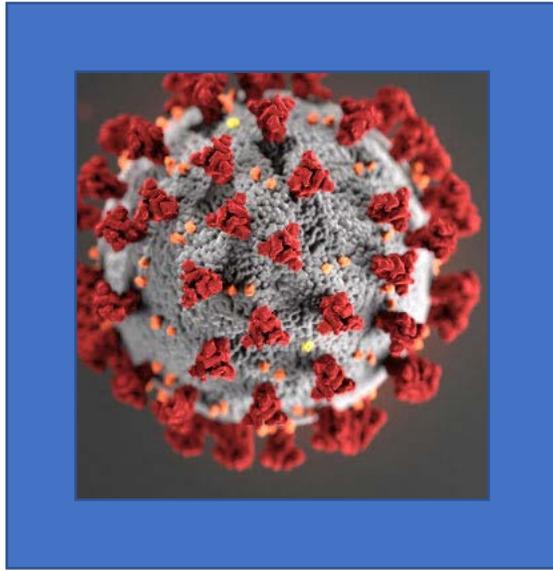
- Identify high infection risk zones – use checklists and floor plan
- Select and acquire effective disinfection and cleaning products and supplies
- Designate staff, establish protocols and schedule for cleaning and disinfection tasks
- Coordinate with other staff (administrators, teachers, kitchen, athletics, school nurse)
- Provide training
- Routinely evaluate your program



Cleaning and Disinfection

- **Clean Routinely** —remove grime, organic deposits, grease, dirt, dust
- **Disinfect High Touch Areas Daily** —door knobs and push plates, drawer handles, light switches, keyboards, sinks and faucets, fountains, phones, desks, countertops, bathrooms, showers.
- **Disinfect Properly** —clean first, then use disinfectant. Select effective products (eg EPA List N for coronavirus). Follow label directions. Don't mix products together.
- **Safely Use Cleaning Products** —Provide staff with safety equipment and training.

**Pests
Threaten
Human
Health and
Comfort**



US CDC COVID-19 Guidance for Schools

Coronavirus Disease 2019 (COVID-19)

CDC > Coronavirus Disease 2019 (COVID-19) > Communities, Schools & Workplaces
> Disinfecting Your Facility



🏠 Coronavirus Disease 2019 (COVID-19)

Symptoms & Testing +

Prevent Getting Sick +

Cleaning and Disinfection for Community Facilities

Interim Recommendations for U.S. Community Facilities with Suspected/Confirmed Coronavirus Disease 2019 (COVID-19)

Cleaning And Disinfecting Your Facility

Everyday Steps, Steps When Someone is Sick, and Considerations for Employers

How to clean and disinfect

Wear disposable gloves to clean and disinfect.

Clean

- **Clean surfaces using soap and water.** Practice routine cleaning of frequently touched surfaces.



High touch surfaces include:

Tables, doorknobs, light switches, countertops, handles, desks, phones, keyboards, toilets, faucets, sinks, etc.



Disinfect

- Clean the area or item with soap and water or another detergent if it is dirty. Then, use a household disinfectant.

- **Diluted household bleach solutions may also be used** if appropriate for the surface. Check to ensure the product is not past its expiration date. Unexpired household bleach will be effective against coronaviruses when properly diluted.

Follow manufacturer's instructions for application and proper ventilation. Never mix household bleach with ammonia or any other cleanser.

Leave solution on the surface for **at least 1 minute**

To make a bleach solution, mix:

- 5 tablespoons (1/3rd cup) bleach per gallon of water

OR

Establish Protocols and Train Staff in Proper Use of Cleaning, Sanitizing and Disinfectant Products

- **Cleaners** removes grime and some germs
- **Sanitizers** reduce, but not necessarily eliminate most germs
- **Disinfectants** inactivate viruses and bacteria but not bacterial spores



Pesticides



Example only. No product endorsement intended

National Pesticide Information Center
 (http://NPIC.orst.edu)

Pesticide-Related Videos

Reducing Disinfectant Exposures in the Workplace (22:40)

npic Reducing Disinfectant Exposures in the...
 Watch later Share
 npic NATIONAL PESTICIDE INFORMATION CENTER
 Reducing Disinfectant Exposures in the Workplace

Learn more about [Disinfectants!](#)

Using DISINFECTING WIPES

at home & school

Types of Antimicrobials

Sanitizers
Reduce bacterial numbers on surfaces to a safe level.

Disinfectants
Kill bacteria, fungi, and some viruses on surfaces.

Antiseptics/Drugs
Antiseptics like hand sanitizers treat or prevent diseases on living things. They are not pesticides.

Microbes
Bacteria, Fungi, Viruses, Spores*

*Most wipes do not kill spores

What are they?

- Antimicrobials are intended to kill or slow the growth of microbes
- Disinfectant wipes are disposable for hard surfaces like countertops and tables
- Cleaners like wipes are not intended for use on skin
- Wipes may LOOK similar to hand wipes. Read the label!
- Look for phrases like "disinfecting", "antibacterial", "kills germs, viruses, and bacteria"
- When in doubt, call 800-858-7378

Where can they be used?

- Specific locations listed only on the label
- Use sites and dwell time vary by location and purpose

Household surfaces, Medical, Public Health

What is dwell time?

- The amount of time (seconds or minutes) the product needs to stay on a surface to kill microbes
- The surface should be visibly wet for the entire dwell time
- Time may change based on the microbe and purpose (sanitize vs. disinfect)

Using in schools and daycares

- Only adults should use cleaning wipes – children should NOT use wipes
- Keep out of reach of children
- Follow the dwell time listed on the label
- Leave wipes in the original container
- Use the right product for each situation
- Parents: ask how children are involved in classroom cleaning

These wipes are NOT for:

Food contact, Produce, Hand wipes, Baby wipes

How to minimize risk?

- Always follow the label, including use sites and dwell times

The Pest Defense for Healthy Schools

Free School Staff Training

THE PEST DEFENSE FOR HEALTHY SCHOOLS

[Home](#)

[About IPM](#)

[Become A Sponsor](#)

[Classes](#)

[State Specific IPM](#)

[In Person Training](#)



Creating healthy, safe spaces for students
and staff using school IPM

[Start Your Training](#)

[Learn More](#)

Choose the Right Products For Your Schools

- Effectiveness
- Safety
- Availability
- Staffing

- Active Ingredients
- Product Formulation (avoid aerosols)
- Equipment required





Pesticide Registration

Pesticide Registration
Home

About Pesticide
Registration

Electronic Submission of
Applications

Pesticide Registration
Manual

Fees and Waivers

Registration Information by
Type of Pesticide

— Antimicrobial
Registration

— Biopesticide Registration

— Conventional
Registration

— Inert Ingredient
Regulation

Requirements and
Guidance

— Data

— Forms

List N: Disinfectants for Use Against SARS-CoV-2

All products on this list meet EPA's criteria for use against SARS-CoV-2, the virus that causes COVID-19.

Finding a Product

To find a product, enter **the first two sets** of its **EPA registration number** into the search bar below. You can find this number by looking for the EPA Reg. No. on the product label.

For example, if EPA Reg. No. 12345-12 is on List N, you can buy EPA Reg. No. 12345-12-2567 and know you're getting an equivalent product.

[Search by EPA Registration number](#)

Using Other Products

If you can't find a product on this list to use against SARS-CoV-2, look at a different product's label to confirm it has an EPA registration number and that human coronavirus is listed as a target pathogen.

Other COVID-19 Resources

- [EPA's Coronavirus Site](#)
- [CDC's Coronavirus Disease 2019 Site](#)
- [CDC's Cleaning and Disinfection Recommendations for COVID-19](#)
- [NPIC's COVID-19 Virus Factsheet](#)

Disinfectants with Lower Risk Active Ingredients

- hydrogen peroxide
- citric acid
- lactic acid
- ethyl alcohol (also called ethanol or just alcohol)
- isopropyl alcohol

Potential Asthma Triggers

- ammonia
- bleach
- quaternary ammonium compounds
 - benzalkonium chloride
- fragrances
- volatile organic compounds (VOCs)



How to Safely Disinfect for Coronavirus

'Green Cleaning/Environmentally Preferable' Products

Select third-party certified institutional cleaning and disinfection products

- Green Seal (GS) – US
www.greenseal.org/



- Design for the Environment (DfE) - US EPA
www.epa.gov/dfe



- Environmental Choice (EC)/Ecologo
www.ecologo.org



Certification standards based on:

- Safety
- Effectiveness
- Environmental impact

Example: Green Seal Certified Cleaning Products

The screenshot shows the Green Seal website's search interface. At the top left is the Green Seal logo. A navigation bar contains links for 'about green seal', 'green living', 'green business', 'green governments & non-profits', 'news, events & publications', and 'find green seal products & services'. A central search bar is labeled 'find green products & services'. Below this is a sidebar with a green background containing a list of categories: 'Products', 'Cleaning Services', 'Hotels and Lodging Properties', and 'Restaurants and Food Services'. To the right of the sidebar are links for 'Blog', 'Get Involved', and 'Contact Us'. A banner image shows several cleaning bottles. Below the banner is a text box: 'Click a category to find the names and company websites of Green Seal-certified products and services. Green Seal does not manufacture or sell these products and services. Please contact the listed company for product information.' Below this is a search filter section with three dropdown menus: 'Standard: - Select -', 'Category: - Select -', and 'Manufacturer: - Select -'. To the right of these is a 'Search by:' text input field and a 'Go' button. At the bottom, there is a grid of eight product categories, each with a representative image and a list of Green Seal standards (GS-1 through GS-54).

- Household Products (GS-8, GS-48)
- Construction Materials & Equipment (GS-13, GS-31, GS-36, GS-54)
- Paints & Coatings (GS-11, GS-43)
- Printing & Writing Paper (GS-7, GS-10, GS-15)
- Paper Towels, Napkins & Tissue Paper (GS-1)
- Food Packaging (GS-18, GS-35)
- Institutional Cleaning Products (GS-34, GS-37, GS-40, GS-51, GS-54)
- Hand Soaps & Cleaners (GS-41)

www.greenseal.org

Cleaners/Disinfectants

There are many reasons to buy green cleaning products, including:

ResponsiblePurchasing.org

- Purchasing guides
- Consultation
- Negotiated contracts for lower prices

- ▶ Protecting workers from chemical burns, asthma, and other health risks
- ▶ Improving indoor air quality for building occupants, particularly in facilities used by children
- ▶ Saving money, especially by replacing aerosol sprays with green cleaners
- ▶ Potentially lowering hazardous waste disposal, insurance, and liability costs
- ▶ Minimizing hazardous material spills
- ▶ Lessening the need for training to handle hazardous materials
- ▶ Earning green building (e.g., LEED) credits





Active ingredient
6.2% sodium
hypochlorite

Train Staff to Follow Product Label

Example: This product is on EPA List N for coronavirus
Active ingredient: 6.2% sodium hypochlorite
DANGER: highly corrosive, asthma trigger, toxic

Label instructions for disinfection of hard nonporous surfaces:

- Prewash surface and rinse
- Apply solution of 3/4 cups bleach per gallon of water
- Let stand for 10 minutes
- Rinse with water and allow to air dry.



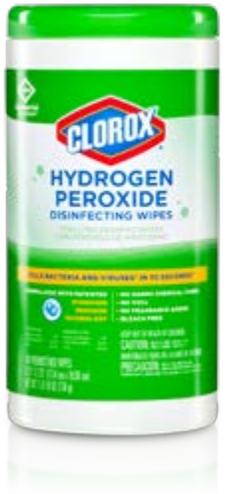
Equipment

- Walk-off mats at all major entrances. Entry width, 15' – 20' long; vacuum daily
 - Up to 80% of soil in buildings is tracked by feet
- Use microfiber cloths and mops. Wash separately
- Install dilution dispensers for ready-to-dilute cleaning products
- Gloves, safety glasses, secure ventilated area for mixing and storage



A Word About Disinfecting Wipes

- Not the same as hand-wipes
- Children should not use disinfecting wipes
- Follow label (including safety instructions such as ‘wear gloves’ or ‘wash hands after use’)
- Dry quickly. Short dwell time may limit effectiveness
- Keep in original container.
- Work with principal and nurse to ensure proper use by teaching staff





Maine School IPM Program

Maine Department of Agriculture, Conservation and Forestry

- Templates
- Training
- Tools
- Guidelines
- Newsletter
- Consultation
- Pest Identification

Kathy.murray@maine.gov

207-287-7616

The screenshot shows a web browser window displaying the Maine School IPM Program website. The address bar shows the URL <http://www.maine.gov/agriculture/pesticides/schoolipm/index.htm>. The page title is "Maine School IPM Program". The website features a navigation menu with links for "Home" and "Contact Us". A sidebar on the left lists various resources under the heading "SCHOOL IPM", including "What is School IPM?", "Tools, Templates and Tips", "Maine School IPM Manuals", "Got Pests?", "Workshops", "Newsletters", "Web Resources", and "Contact Us". The main content area displays a large image of a school building with a clock tower, overlaid with the text "School IPM: Dedicated to reducing risks of pests and pesticides in Maine Schools". A "QUICK FIND" sidebar on the right provides links to "Classroom Activities and Lessons for K-12", "School IPM Newsletters", "Bed Bugs", "Insect & Tick Repellents: Using Repellents Safely", "Parental consent for insect repellent use by students [PDF]", "Maine School IPM Adoption Report (Board of Pesticides Control Report to Maine Legislature, Feb 2012)", and "School Pest/Pesticide Surveys: 2012 Maine School IPM Survey (survey published February, 2013)" and "Maine School IPM Survey (survey published February, 2010)".

Questions?

Rodent IPM



Keep Your Schools Rodent-free

- House mouse urine triggers asthma
- Deer mouse feces carries hantavirus (hemorrhagic fever).
- Rats: carry diseases. Bite humans. Chew wires.

House
Mouse



Deer Mouse

Norway Rat



Rodent IPM

- Prevent and Control:
 - Clean (sanitation and waste management)
 - Food management (pest-proof storage)
 - Seal-up (pest-proof building = *exclusion*)
 - Landscaping
- Monitor and Control:
 - Inspection (use a flashlight!)
 - Traps
 - Bait Stations (non-toxic preferred)
- Record-keeping:
 - Where, what and when pest or condition was observed
 - Actions taken
 - Follow-up observations

Find, Report and Seal Pest Entryways



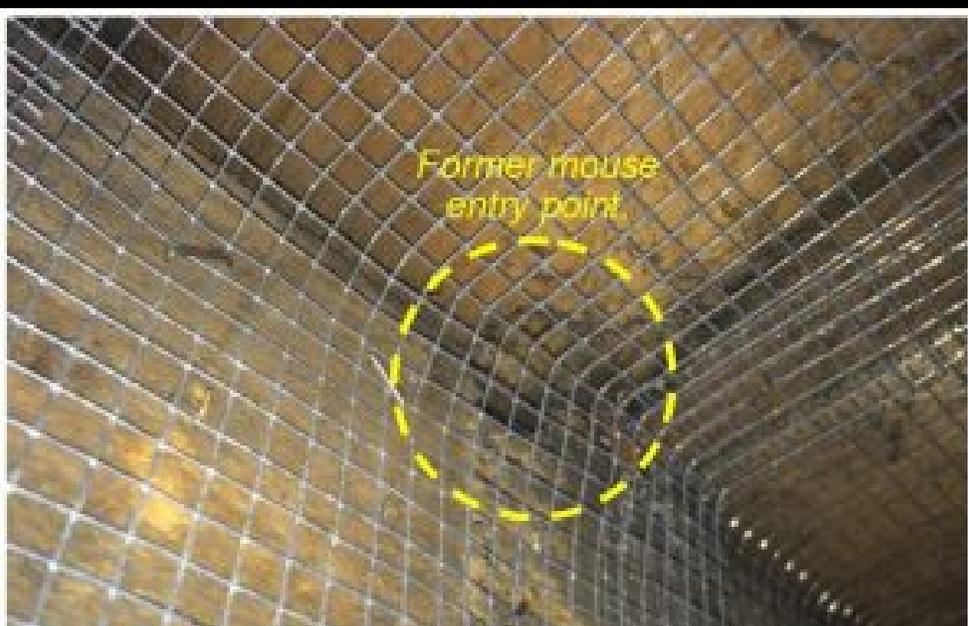
Install and maintain door-sweeps to keep mice and insects out



Critter entryway. Seal this up to keep critters out!



Rodent Exclusion: Seal and Repair Rodent Access Points



Use metal! Hardware cloth, steel or copper wool, or flashing.

Stainless steel mesh fabric is the most effective material to keep rodents from entering through building holes and penetrations.

Field Worksheet

Address _____ Building Type _____
 Inspector _____ Estimated Age _____
 Date _____ Estimated Square ft _____
 Time In _____ Time Out _____ Foundation Type _____
 Basement Type _____

SCOPE (Scientific Coalition on Pest Exclusion)
 (www.northeastipm.org)

Expert Guidance

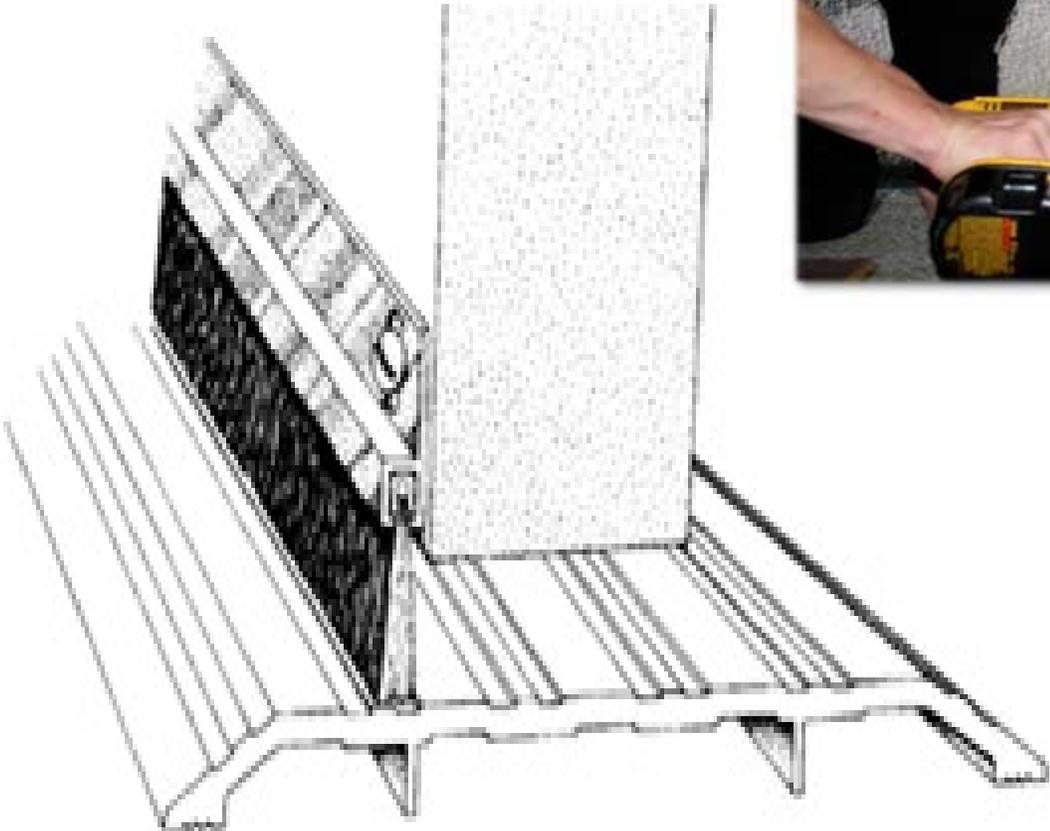
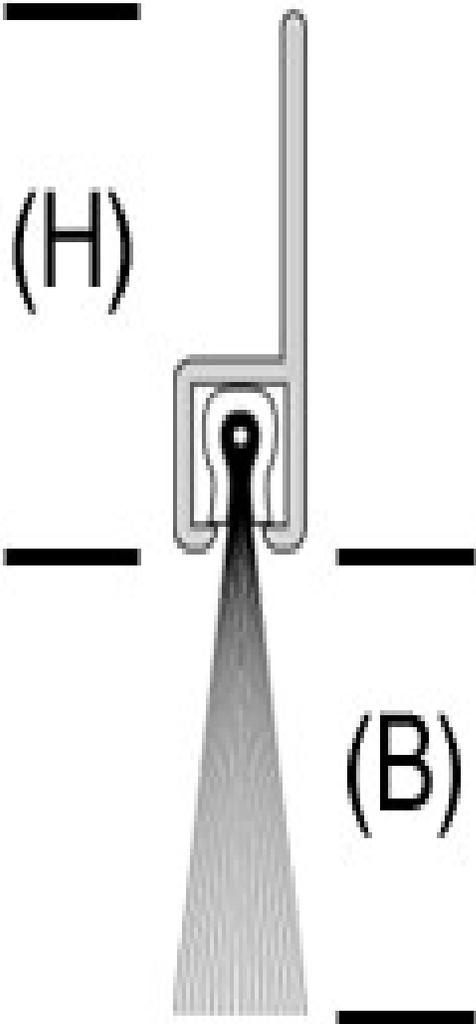
- Checklists
- Inspection guides
- Repair guidance
- And more

#	Structure (Door, Roof, Soffit, Foundation, Exterior line, Interior line, Wall, Window, Drain)	Type (see codes below)	Size of Gap/Penetration (not pest proof)	Within 100ft of Food Zone?	Largest Permissible Pest (Insect, Mouse, Rat)	Code Value
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

<p><u>Building Type</u> Independent (unattached) Attached</p> <p><u>Foundation Type</u> Concrete Hollow Block Metal Sheathing over Studs Poured Concrete; Solid Brick Stone</p>	<p><u>Door Type</u> Front Side Delivery (St. Level) Delivery (Sidewalk/Stairs)</p> <p><u>Escutcheon Plate Type</u> (1) Present and Sealed (2) Present, Unsealed; allows insects, not rodents (3) Present, Unsealed; allows insects and rodents (3) No plate; Sealed to closure</p>	<p><u>Exterior Line Penetration/Type</u> Roof (R) Foundation (FD) Floor (FL) Ceiling (C) Wall (W) Utility Elect. (UE) Utility Plumb (UP) Utility Gas (UG) Utility (?) (UU)</p>	<p><u>Interior Line Penetration/Type</u> Floor (FL) Ceiling (C) Wall (Sheetrock Conventional) Wall Poured Concrete Solid (W) Wall : Concrete Hollow Brick (CHB) Ceiling (Solid Pour) Ceiling (Suspended) Ceiling (other) Utility Elect. (UE) Utility Plumb (UP)</p>
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Install and Maintain Good Door Sweeps



Seal Gaps $>1/4"$ with
metal or concrete



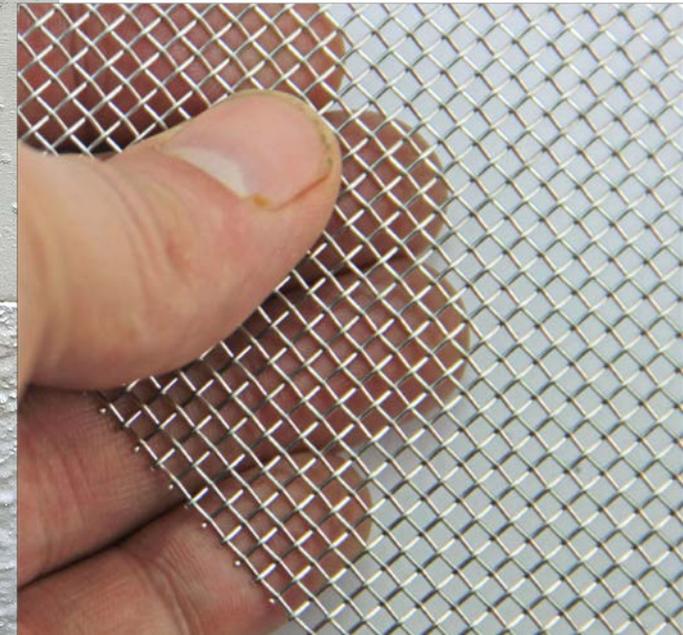
Spray Foam Alone Isn't Rodent Proof



Use it with metal mesh or flashing
and seal with concrete



Seal Entryways with $\leq \frac{1}{4}$ " Steel Mesh



eXtension.org = Cooperative Extension
search for 'extension and wildlife damage'



[Home](#) [Species Information](#) ▾ [Training](#) ▾

AUGUST 30, 2019 BY WILDLIFE-DAMAGE-MANAGEMENT

Rodent Exclusion Methods

[Rodent-Proof Construction](#) | [Rodent Entry Points](#) | **[Rodent Exclusion Methods](#)** | [Rodent-Proof Construction](#) | [Rodent-Proof Resources](#) | [ICWDM](#) | [Wildlife Species Information](#)

Search ...



CATEGORIES

[Wildlife Damage Management](#)

Inspect Thoroughly and Often for Rodent Activity

- Use flashlight, checklist and clipboard
- Look under, around, over equipment
- Focus where pests find food, water, hiding places
- Look for droppings, gnawing damage, holes, food, spills, crumbs, grease, garbage, clutter, moisture





Inspect along walls, under and behind equipment, especially near food (pantry, classrooms, breakrooms, kitchens)

Look for Rodent droppings and greasy 'rub marks'.

Then close the entryways with metal or concrete

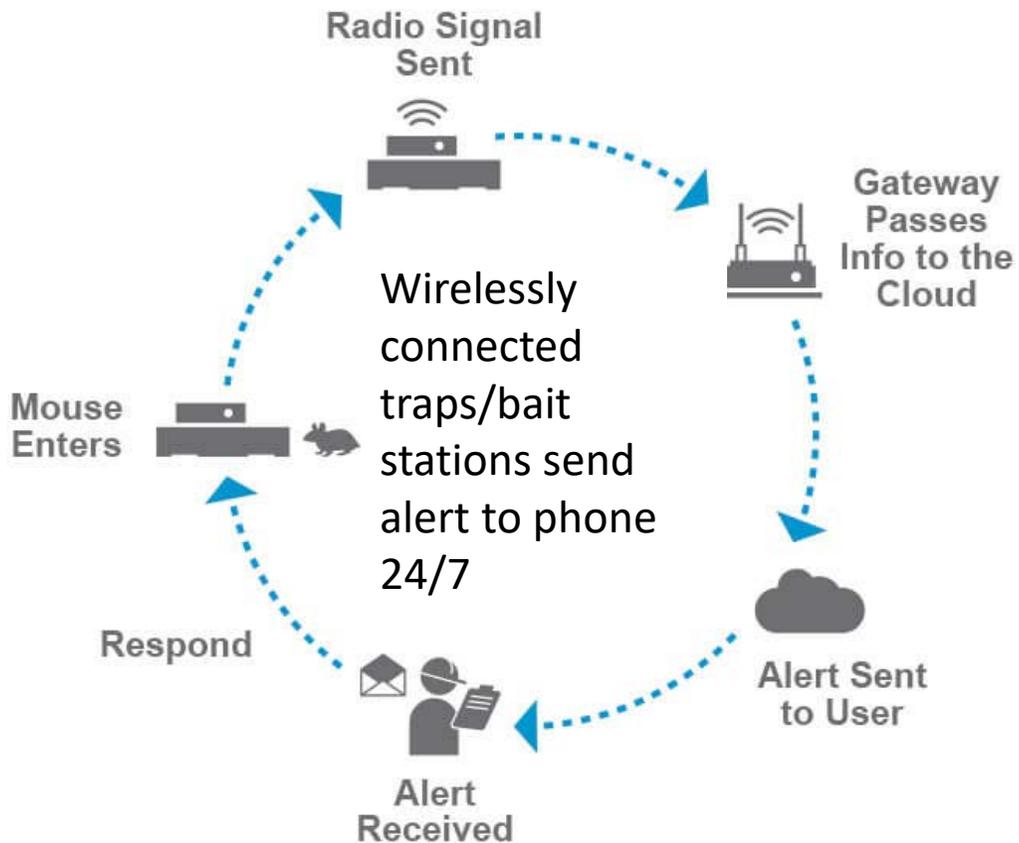


Trapping to Monitor and Eliminate Rodents

Mechanical traps along
runways and flanking utility
doors



New Technologies





Building Exterior

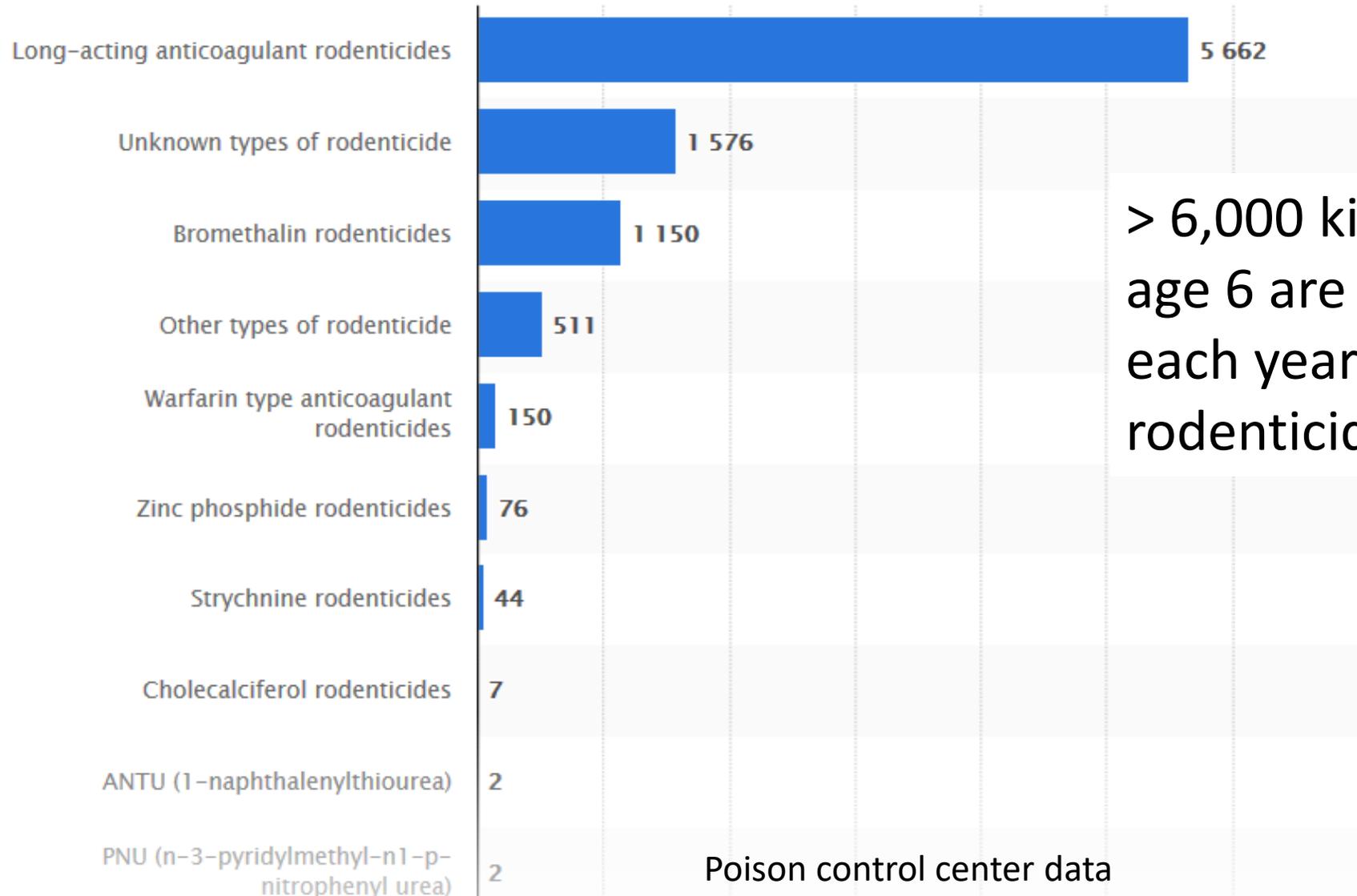
- Shrubs, grass, bark mulch at least 1 ft away
- Limbs 6 ft away
- Cracks and gaps sealed

Rodenticides Rarely Needed

- Commercial License Required for Use at Schools
- Must be within 100' of a structure
- Must be inside a locked, secured box



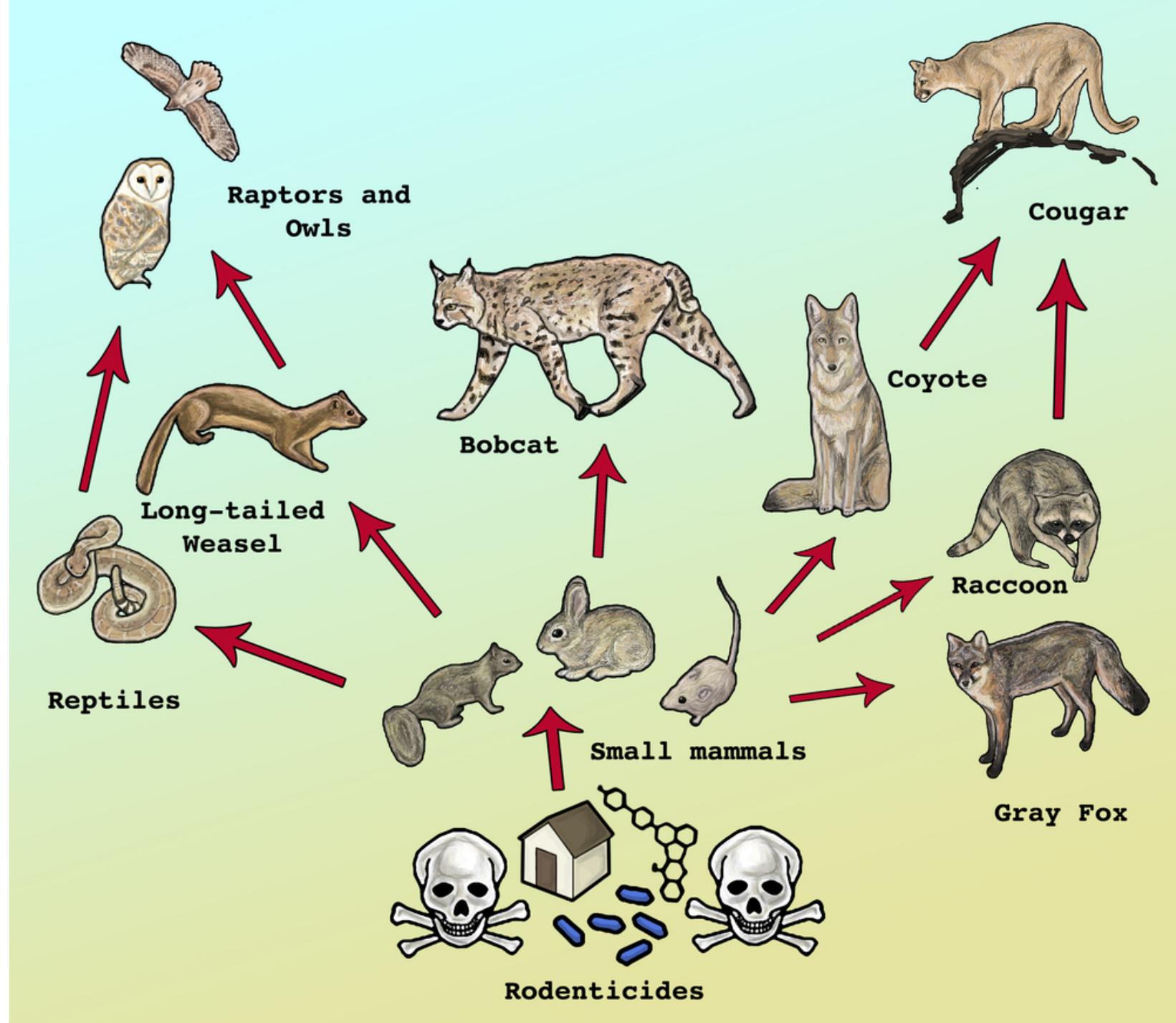
Number of rodenticide poisonings in the U.S. in 2016,



> 6,000 kids under age 6 are poisoned each year by rodenticides

Poison control center data

Rodenticides can Poison Wildlife



Non-toxic 'Rodent Detection' Baits in Locked Exterior Rodent Station

- Useful for detecting and locating rodent activity



Rodent droppings glow under black light!

Rodent Clean-Up

- Wear gloves
- Wet down trap, rodent, droppings with disinfectant>Wait 10 minutes>Wipe up with paper towels>Place toweling, rodent, gloves in plastic bag>Tie shut>Discard in trash.
- US CDC Guidelines: search for 'Clean up Rodent'
- For large or complex rodent clean-up: hire a professional remediator



School IPM Action Plans

(maine.gov/schoolipm>[pest solutions](#)>[action plans](#))

IPM Action Plan for Rodents

General Information

Mice and rats are common problems in and around schools. Rodents cause fires by gnawing on electrical wires, transmit pathogens, and are associated with allergens and asthma triggers. Rodents should not be tolerated in and around schools. Effective, low hazard options are available to eliminate rodents.

Resources for Rodent IPM

- Maine.gov/schoolipm
 - Rodent Action Plan (maine.gov/schoolipm>pest_solutions>action_plans)
- northeastipm.org/schools
- iSchoolPestManager.org

Northeastern IPM Center | NYS Integrated Pest Management PROGRAM | School IPM Best Practices

School IPM Best Practices

- FIND YOUR PEST -
- REGULATIONS IN YOUR STATE -

This online resource provides easy-to-use information to assist implementation of integrated pest management on school property and facilitate reduced dependence on pesticides. Integrated pest management, or IPM, is a science-based approach to dealing with pests that uses sensible methods to protect human health and the environment, and generally reduces the cost of traditional pest treatments. Pests can be insects, plant diseases, weeds, or animals.

How to Practice Integrated Pest Management

- IPM Basics
- The Steps of IPM
- The Use of Pesticides on School Property
- Common IPM Terms
- IPM Policies, Protocols, and Resources

Resources for Different Roles

- School Nurses
- Administrators, Teachers, Staff, and Parents
- Custodial and Building Maintenance
- School Grounds and Athletic Fields
- Pest Management Contractors

iSchool PEST MANAGER

Home | What's New? | File Types | Regulations | Training Modules | Document Toolbox | Pests | Help | Contact Us | Show Me Everything | AA

Rodents

The table below displays resources about rodents. You can narrow the list further by using the search box to search for a file type (pdf or doc), a resource type (presentation, fact sheet), a state, or any other term.

Some quick tips:

- Rodents can learn through trial and error. Constant and varying tactics may be necessary.
- Remove or secure food and water sources.
- Trim vegetation away from exterior wall and roofs.
- Seal any cracks or crevices larger than a quarter inch.
- Traps can be used to reduce populations and to monitor.
- Consider hiring a professional if electrical equipment is infested.

It's important to **identify** the type of rodent you're dealing with. Narrow the results below by clicking on the type of rodent, if you know it:

Deer Mouse/Mice | House Mouse/Mice | House/Mice | Norway Rats | Rats | Roof Rats | All Rodents

Showing 1 to 10 of 48 entries

Resource	Resource Type & Format	Pest category & Specific pest	Pub. date & Last updated
IPM of the House Mouse in Schools	Fact Sheet document (.pdf)	Rodents [unknown]	4/15/2013 2015/11/15

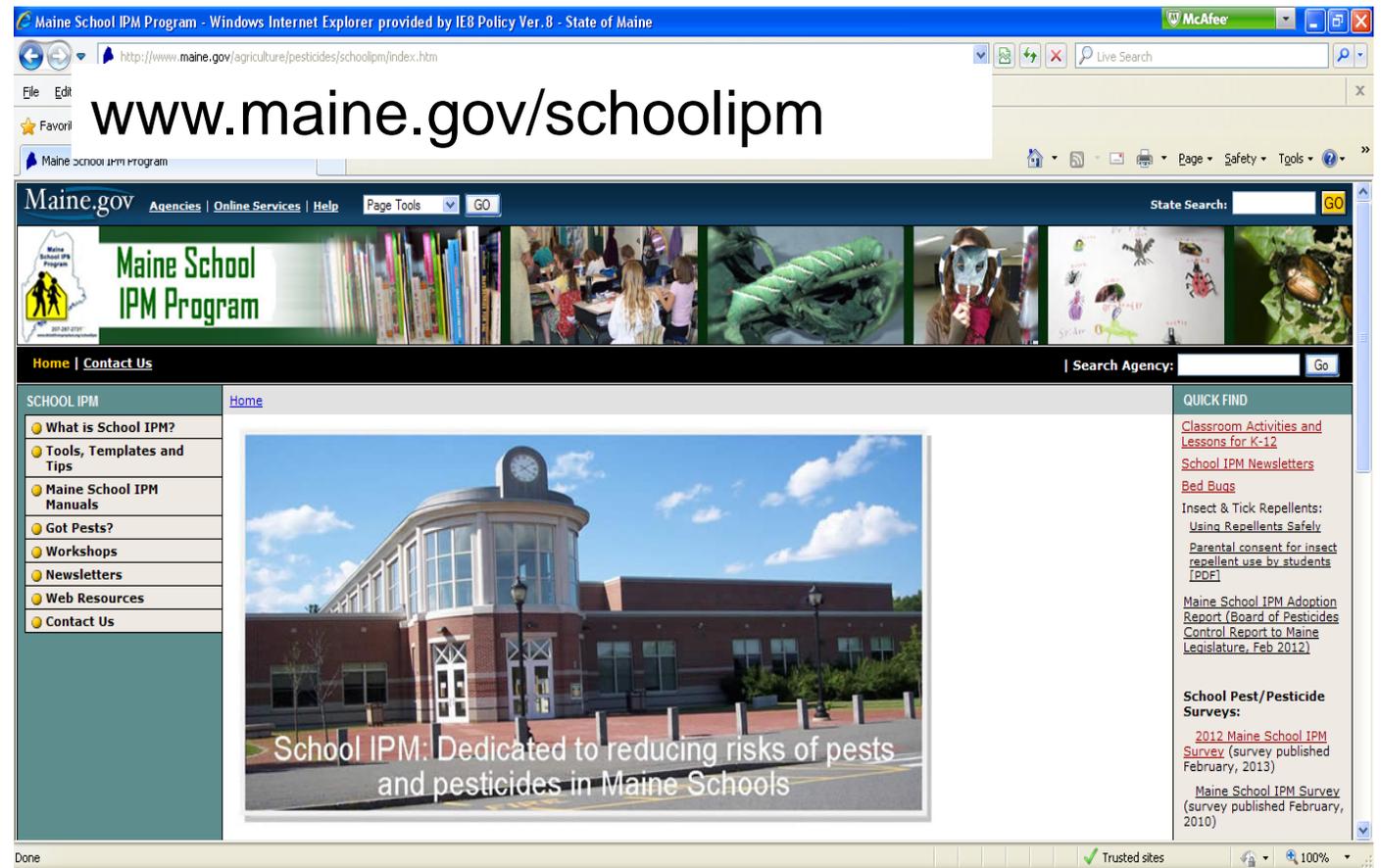
Maine School IPM Program

Maine Department of Agriculture, Conservation and Forestry

- Templates
- Training
- Tools
- Guidelines
- Newsletter
- Consultation
- Pest Identification

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The screenshot shows a web browser window displaying the Maine School IPM Program website. The address bar shows the URL <http://www.maine.gov/agriculture/pesticides/schoolipm/index.htm>. The page title is "Maine School IPM Program". The website features a navigation menu with links for "Home" and "Contact Us". A sidebar on the left lists various resources under the heading "SCHOOL IPM": "What is School IPM?", "Tools, Templates and Tips", "Maine School IPM Manuals", "Got Pests?", "Workshops", "Newsletters", "Web Resources", and "Contact Us". The main content area includes a large image of a school building with a clock tower and the text "School IPM: Dedicated to reducing risks of pests and pesticides in Maine Schools". A "QUICK FIND" section on the right provides links to "Classroom Activities and Lessons for K-12", "School IPM Newsletters", "Bed Bugs", "Insect & Tick Repellents: Using Repellents Safely", "Parental consent for insect repellent use by students [PDF]", "Maine School IPM Adoption Report (Board of Pesticides Control Report to Maine Legislature, Feb 2012)", and "School Pest/Pesticide Surveys:" with sub-links for "2012 Maine School IPM Survey (survey published February, 2013)" and "Maine School IPM Survey (survey published February, 2010)". The browser window also shows the "Maine.gov" logo and navigation links at the top, and a search bar on the right.

Questions?