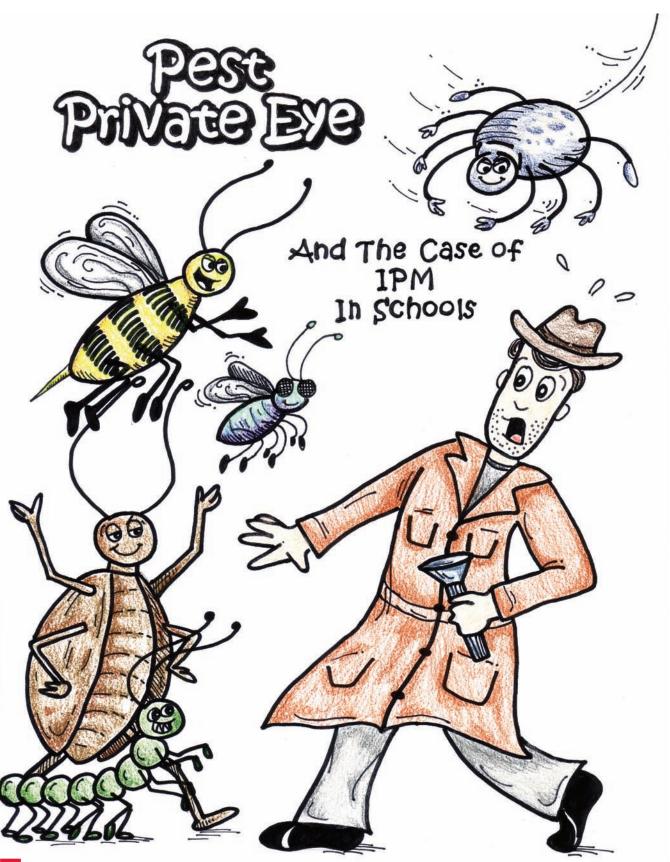


Know how. Know now.





"The information presented here has been funded wholly or in part by the United States Environmental Protection Agency. It has not been subjected to the Agency's product and administrative review and therefore might not necessarily reflect the views of the Agency; no official endorsement should be inferred."

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Cover Artwork: Ami Sheffield Ami Sheffield Panel Artwork:

Міке Веск Міке Веск

Lettering:

Hello, I'm Penny Poe, pest detective in training!

My mentor is Pest Private Eye, integrated pest management (IPM) detective.





First you'll learn about IPM. Then you'll tag along on a case!



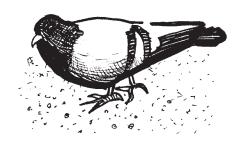
So here we go ...



What is a pest?







Pests are animals or plants living where they are not wanted.

Pests need food, water and shelter to survive.







Remove these and you remove the pests!

We can control pests using Integrated Pest Management, or IPM. IPM controls pests in many ways.



First, identify your pest, then decide how to manage it. Not all pests can be controlled the same way!



IPM includes:

Education: Teaching about pests and how to Control them.



IPM includes:

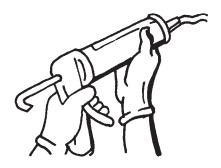
Habit modification:
Changing a pests
environment so it
is undesirable to the
pest, such as reducing
water by fixing
leaky pipes!

IPM includes:



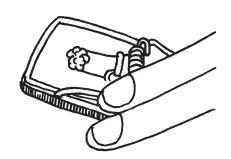
Sanitation: Keeping things clean by mopping, cleaning Counters, or reducing clutter.

IPM includes:

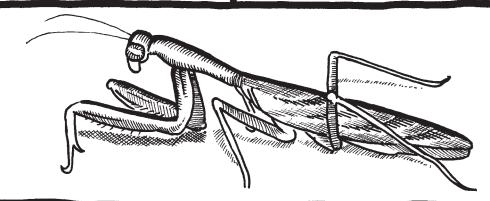


Exclusion: Keeping pests out by screening windows, sealing holes, keeping food container lids on tightly, etc.

IPM includes:

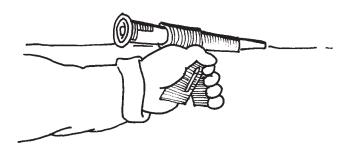


Mechanical controls: Using a fly swatter, or trapping with snap traps, sticky traps or multi-catch traps.



IPM includes:

Biological controls: Using natural enemies such as praying mantids, parasitic wasps, or ladybugs to kill pests.



IPM includes:

Chemical controls:
Using pesticides,
especially low toxic ones,
to control pests after trying
other methods first.





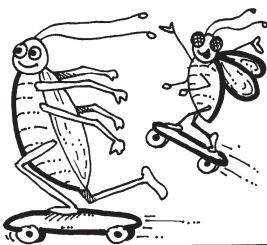
IPM helps control pests while protecting the environment and keeping people safe.



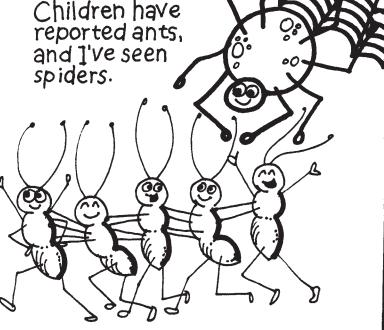
Principal Smith gives him the details.



The kitchen staff has seen brown bugs and flies;





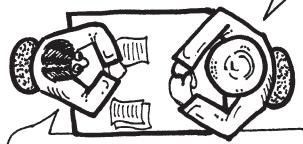




We have Masque Pest Management do regular spraying, and they place small glue boxes out to catch pests.



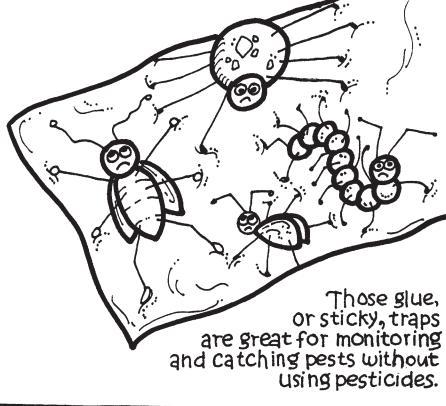
But I don't recommend regular spraying as we want to lessen the amount of pesticides used.



I agree, for the safety of our Children I'd like to use fewer pesticides.

IPM uses many methods to control pests, not just pesticides. And if we do use pesticides, we use low





Great, I will take a look around and let you know how to use IPM to control your pests.



I like the sound of that.





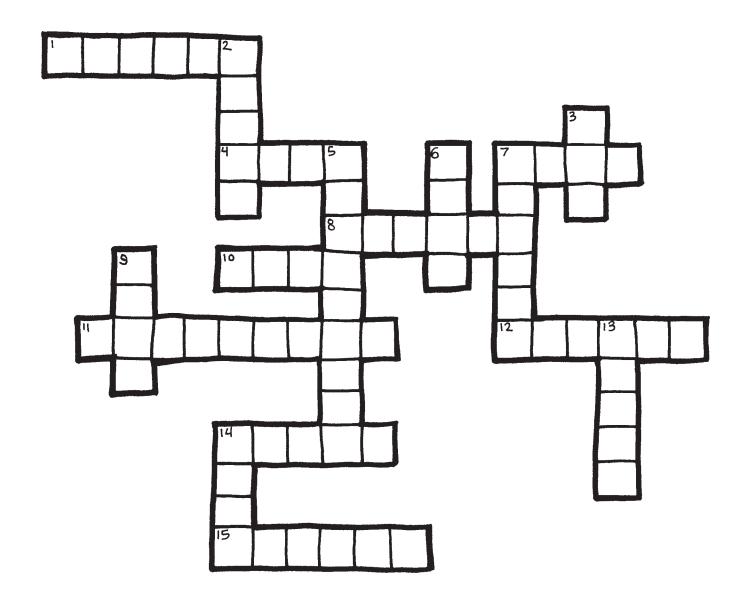
Pest Private Eye Word Find

F S B M U R C N K V Y S R C A M P Y D M K I T I O Z W W V O A P Q I P B A Y P O E M P R K D E D H H S M N E B Y S E T P T M D T T M T B A U A E W L F O Z R B F R B T E R K P Z A Q Q Y F H Z T E A P P X O I S U M O U S E

ants bathroom Crumbs IPM leaky mop

mouse rats roach shelter sticky trap

Pest Private Eye Crossword



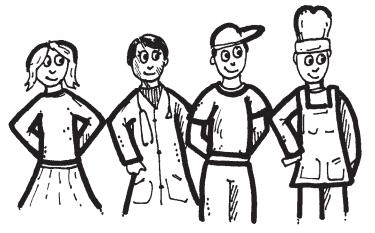
Across

- 1. A ___ cleaner can get rid of pests on the floor.
- 4. This trap catches mice and rats.
- 7. This grows when it is too moist.
- 8. Dut this overyour window to keep pests out.
- 10. If ants or roaches eat this, they will die.
- 11. A common brown or black pest often found in kitchens,
- 12. A ____ trap uses glue to catch pests.
- 14. Pests need this to survive.
- 15. This bird is a common pest.

Down

- 2. A small hairy rodent.
- 3. This Pest likes parbage cans.
- Chemical that kills pests.
- 6. Unwanted plant.
- 7. A praying _____ eats pests.
- 9. You must what a pest is to control it.
- 13. Keep things to keep pests away.
- 14. This pest can sting you.

The principal formed Eureka's IPM team. Pest PI worked with them on the IPM effort.







Pest PI talks with the school cookabout reducing pest problems in the kitchen, cafeteria, and food storage areas.





Pest PI talks to the Custodian...





It is important to fix leaks right away! Water is the most essential resource for a pest's survival.



There, that should do it!



Pest PI goes to visit with the school nurse.



IPM can help protect human health and increase safety in the school environment.



Pest PI meets with one of the classroom teachers.



We keep a pretty clean classroom, and I want to make sure rodents and other pests are gone and pose no risk to me or the children.

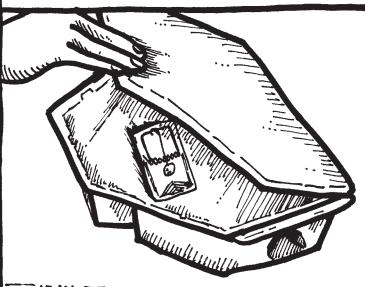


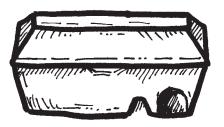
The key is to use traps. Keep them in tamper proof stations to protect children.



What about placement?





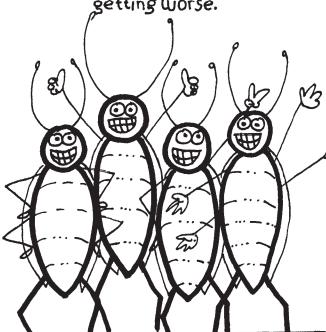


Rodents run along Walls and in corners, so set traps here. Be sure to check traps often and dispose of any rodents you find.

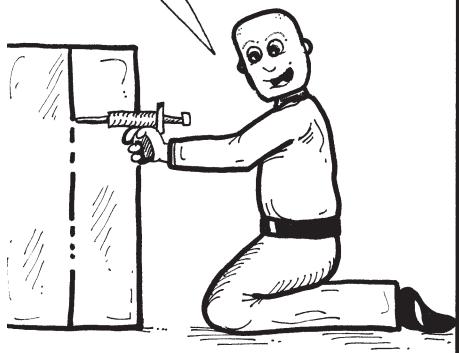
The Pest Management
Professional (PMP) is an important
part of the IPM team.



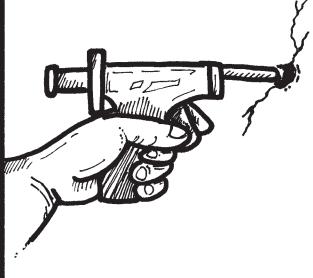
We may be able to put up with one roach, but there are so many in the kitchen and boiler room that we need to prevent it from getting worse.



Upon inspecting Eureka's kitchen, I discovered lots of areas where roaches could hide. I'm going to apply gel bait to these areas.



Gel bait is a fairly low toxic pesticide, and we put it in cracks and crevices, not in open areas.



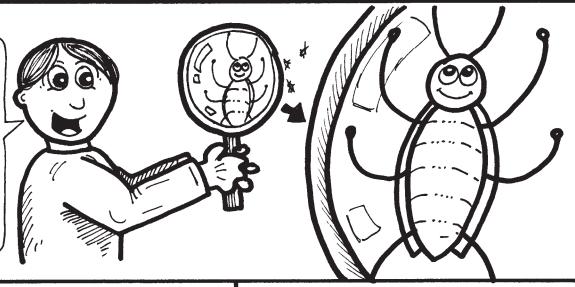
We have learned about how to control pests and who will be involved in putting IPM into action. There are opportunities for you to get involved in IPM as well!





Tell your teacher that you are curious and want to learn more about IPM.

Through science or other classes, you can learn how using IPM helps keep people healthier and safer and is better for the environment. You might do projects on pest ID, counting pests on sticky traps, and deciding the best control methods.



You should always keep an eye out for open windows, leaky sinks, and other problems in the school. You can help the IPM effort!



By getting more involved, you will know better what to look for, and can help monitor the health of your school by reporting what you find to your teachers or other adults.



Remember, don't let pests get the best of you! By following IPM principles you've learned and using less pesticides, you now know how to defeat pests before they overrun your home or school! Good luck pest detective!



Pest Private Eye









About the Game

Pest Private Eye and the Case of the IPM in Schools is an educational first person role-playing video game aimed at teaching children about Integrated Pest Management (IPM).

As a player, you take on the role of Pest PI while Penny Poe, Pest PI's assistant, guides you through the game.





Want to learn more about Pest Private Eye and the Case of the IPM in Schools? Contact:

Erin C. Bauer, Extension Assistant email: ebauer2@unl.edu
Clyde L. Ogg, Extension Educator email: cogg@unl.edu

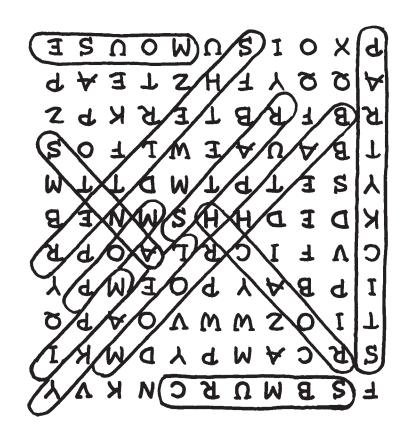
Pesticide Education Office

Phone: (402) 472-1632 or

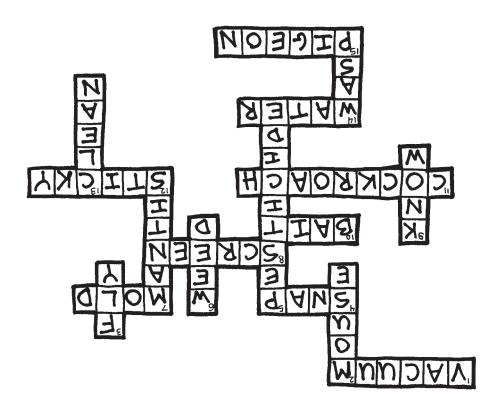
(800) 627-7216

FAX: (402) 472-3574

Web site: http://schoolipm.unl.edu/pestpi/



Pest Private Eye Word Find



Dest Private Eye Crossword