



New Initiatives in Risk Communication

Oregon State University
Environmental and Molecular Toxicology

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Outline

- What is the National Pesticide Information Center?
- New initiatives
 - Website improvements
 - PestiByte podcasts
 - A new database - PAIRS
 - A new reporting portal – VIRP
 - Pet product review by EPA
 - New occupational resources

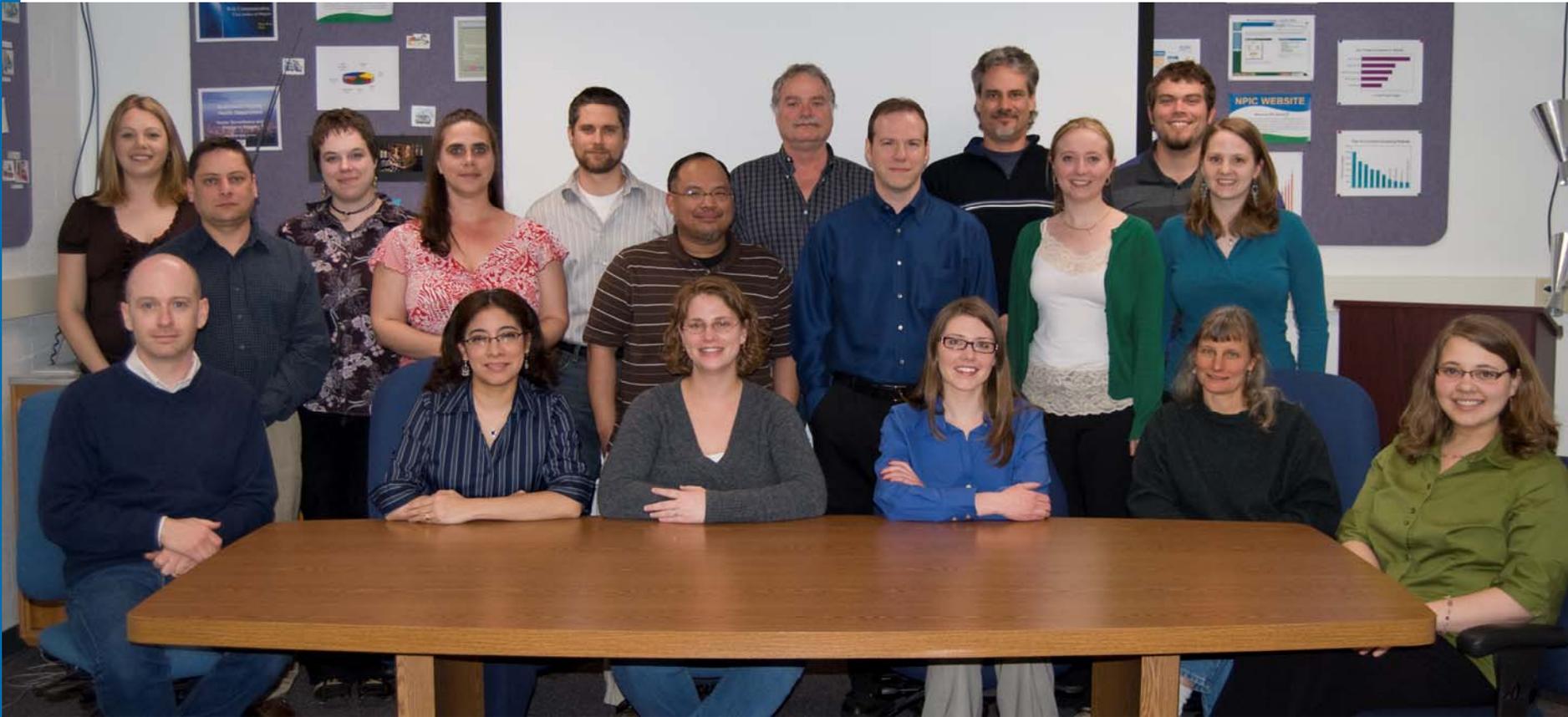


NPIC: Who we are, What we do

- The primary mission of NPIC is to ***serve as a source of objective, science-based information*** on a wide variety of pesticide-related subjects, to the public and professionals.
- The only national center of its kind, at OSU since 1995
- A cooperative agreement between the US EPA and OSU



The Team



Pesticide Information, How may we help you?

Specialists with *skillz*

- B.S. Chemistry M.S. Food Science & Technology
- B.S. Biology/German M.S. Molecular and Cell Biology
- B.S. Biology M.S. Natural Resources & Wildlife PhD. Wildlife Science
- B.S. Zoology M.S. Ecology and Evolution
- B.S. Microbiology M.S. Public Health
- B.S. Biochemistry/Biophysics Minor: Chemistry
- B.S. Horticulture M.S. Horticulture M.S. Molecular & Cell Biology
- B.A. Biology M.S. Public Health
- B.S. Chemistry, M.S. Environmental Hydrogeology & Geochemistry
- B.S. Biochemistry/Biophysics Minor: Chemistry
- B.S. Biology Minor: Chemistry
- B.A. History, Minor in Environmental Health & Safety



Information Requested

- Recognition and management of pesticide poisonings
- Health and environmental effects
- Toxicology
- Environmental chemistry
- Pesticide product information

Type of Question	Number of Inquiries				
	2004	2005	2006	2007	2008
Health Related					
Health	7891	6655	7192	6780	7255
Treatment	278	470	600	584	718
Testing Lab.	188	210	169	157	143
Usage Information					
Pest/Crop	2007	1764	1929	2069	2052
Chemical	697	799	828	1076	1093
Pros and Cons	69	43	73	101	98
Safety/Application	3760	4430	4831	4246	4458
Cleanup	296	362	388	470	422
Harvest Intervals	162	154	224	245	335
Lawn Care	28	22	26	16	378
Compliance					
Regulations	1484	1365	1322	1325	2344
Complaints	747	879	658	653	870
Disposal	164	201	162	168	159
Food Safety	184	166	69	100	98
General	325	250	274	301	350
NPIC Questions	847	749	898	823	961
Other	5638	5900	4829	4673	4706
Grant Year Total =	24765	24422	24472	23787	26440

Example Questions

- Is it safe to use BK Roach Killer in my kitchen? I have kids.
- If I use Roundup to clear some land, will it hurt plants 20 feet away?
- Will *Bti* briquettes hurt the fish in my koi pond?
- How long do I have to wait before harvesting treated figs?
- Why does the label say, “Hazards to humans and domestic animals”? I was told this product would be safe to use.
- How long does it take for ADBAC to break down? I’m chemically sensitive.

Information Sources

- World Health Organization
 - IARC monographs
 - Environmental Health Criteria
- National Library of Medicine
 - Hazardous Substances Data Bank
 - Household Products Database
- US Environmental Protection Agency
 - Pesticide Product Information System
 - Risk Assessments, REDs, Registration Reviews
- Peer-reviewed literature
 - OSU library provides access to thousands of journals



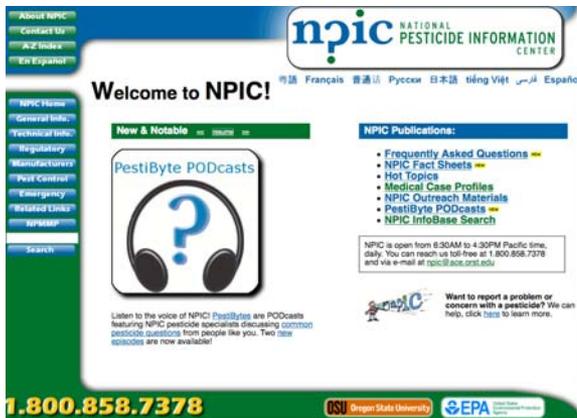
Information Resources

- NPIC monitors the Federal Register (epa-pest), E-Docket, peer-reviewed journals and professional publications
- Professional list-serves, newsletters and webcasts
- NPIC updates electronic & hardcopy resources based on new research and regulatory actions

Hard Copy Resources		Examples
A.I.s	973 files: active & cancelled	Permethrin, piperonyl butoxide (PBO), ADBAC, <i>Bacillus thuringiensis</i> , DEET
Topics	312 files	WPS, Drift, EDSTAC, IPM, Inert Ingredients, Residential Misting Systems, Devices
Pests	67 files	Ticks, Fire Ants, Bedbugs, Mold, Termites
Library	3,635 books, CDs, journals	Handbook of Pesticide Toxicology, Clinical Veterinary Toxicology, Risk Communication

NPIC Approach

- We rely on high-quality scientific information
- 13 Pesticide Specialists respond to ~25,000 questions/yr
- We promote *informed* decision-making
- No opinions or recommendations... just the facts



NPIC Home | Contact Us | About Us | Español

Welcome to NPIC!

1.800.858.7378

OSU Oregon State University EPA

New & Notable

PestiByte PODcasts

Listen to the voice of NPIC! PestiBytes are PODcasts featuring NPIC pesticide specialists discussing common pesticide questions from people like you. Two new episodes are now available!

NPIC Publications:

- Frequently Asked Questions
- NPIC Fact Sheets
- Hot Topics
- Medical Case Profiles
- NPIC Outreach Materials
- PestiByte PODcasts
- NPIC InfoBase Search

NPIC is open from 8:00AM to 4:30PM Pacific time, daily. You can reach us toll-free at 1.800.858.7378 and via e-mail at npic@acs.orst.edu

Want to report a problem or concern with a pesticide? We can help, click here to learn more.



U.S. ENVIRONMENTAL PROTECTION AGENCY

Pesticides

News, Alerts, & Grants | Search: All EPA | This Area | Go

Highlights

- 1/25: **Siproltrastrol** - Notice of Cancellation Order, Opportunity for Public Comment - Comments due by February 6, 2010 (Final, 1/19/10, About:SDC)
- 1/22: **New Educational Videos Available on Preventing Rodent Infestations in the Home**
- 1/20: **Pesticide Establishment Reporting - File Form 3540-16 by March 1, 2010**
- 1/17: **Registration Decisions Opened for Public Comment for the Week of January 4, 2010: Lantidol**
- 12/31: **Registration Decisions Opened for Public Comment for the Week of December 28, 2009: Trichostema aspersum, azoxystrobin, D-122 and Trichostema gamsii, azoxystrobin**
- 12/12: **Registration Decision Opened for Public Comment for the Week of December 21, 2009: Lixianbutyl Selenocidol**
- 12/22: **EPA Seeks to Disclose Pesticide Inert Ingredients**
- **Increased Scrutiny of Flea and Tick Control Products for Pets**
- **Scotts Miracle-Gro Products - Stop Sales, Recalls and Other Actions**

Quick Finder

About Pesticides
About EPA's pesticides program, contacts, types of pesticides, treatment outdoors, fact sheets, information sources, Pesticide Program Reports, publications, factfiles, Pesticide News Stories, outside issues in the world

Health and Safety
Human health issues, protecting children, protecting pets, worker safety and training, using pesticides safely, public health issues, illegal pesticide products, reducing risk, emergency information, resources

Environmental Effects
ecological species, ecological risk assessments, other resources

Get News

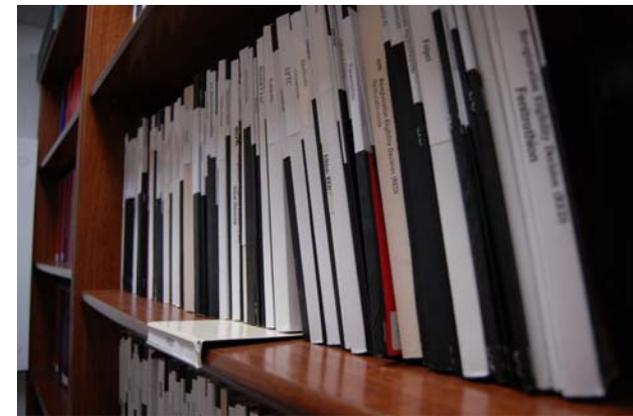
- Pesticide News
- Join Our Mailing List

Participate

- Ask a Question
- Meetings
- Decisions Open for Comments

Featured Sites

- Inert Filz
- Insect Repellent Protection Things
- Consumer Alerts
- Emergency Exemptions
- Inertfilz
- MAPP Hazardous Pesticide Levels (MHL) Calculator
- Pesticide Issues in the World
- Pesticide Registration Application Status
- Pesticide Registration (PR) Inertfilz
- Pesticide Protection
- BDC & Pesticide Registration Status
- Recall a Product
- Registration Review Status
- Weed Preparations
- Visiting the Office of Pesticide Programs



The Risk Equation

$$\text{Risk} = \text{Toxicity} \times \text{Exposure}$$

- Toxicology of active ingredient
- Product signal word
- Dose estimate
- Effects (signs, symptoms) reported in the literature
- Onset, duration and resolution of symptoms

- Distance to application site
- Route of potential exposure
- Physical/chemical properties of active ingredient
- Duration/frequency of exposure
- Bioavailability by the route in question

New Initiatives

- Website improvements
- PestiByte podcasts
- Pesticide Active Ingredient Retrieval System (PAIRS)
- Veterinary Incident Reporting Portal (VIRP)
- New occupational resources

Website Improvements

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A-Z Index

En Español



粵語 Français 普通话 Русски 日本語 tiếng Việt فارسی Español

Welcome to NPIC!

New & Notable << resume >>

Pesticide Fate in the Environment



Do you wonder what happens to pesticides once they are released into the environment? See our new page about the [environmental fate of pesticides](#).

NPIC Publications:

- [Frequently Asked Questions](#) NEW
- [NPIC Fact Sheets](#) NEW
- [Hot Topics](#)
- [Medical Case Profiles](#)
- [NPIC Outreach Materials](#)
- [PestiByte PODcasts](#) NEW
- [NPIC infoBase Search](#)

NPIC is open from 6:30AM to 4:30PM Pacific time, daily. You can reach us toll-free at 1.800.858.7378 and via e-mail at npic@ace.orst.edu



Want to report a problem or concern with a pesticide? We can help, click [here](#) to learn more.

1.800.858.7378

OSU Oregon State University

EPA United States Environmental Protection Agency

A to Z Index of Topics

You can also browse our site via a handy [Site Map](#).

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Air

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Understanding and Controlling Bed Bugs

By nature, bed bugs are stow-a-ways. They enter homes or apartments by hiding out in the cracks and crevices of luggage, furniture, clothing, pillows, boxes and other objects when they are moved between apartments, homes and hotels. Bed bugs hide during the day and typically feed at night. Since bed bugs feed on blood, their presence has little to do with the cleanliness of the home, although clutter can provide hiding spaces for bed bugs and make them difficult to treat. Bed bugs can survive for months without feeding, so they may be present in vacant, clean homes when new tenants unpack. Once bed bugs are established, they rapidly reproduce and spread from room to room.

Bed bugs can be very difficult to control, even for trained professionals. Many insecticides are not effective at killing the eggs, so a repeat treatment is often necessary to kill the juveniles after they hatch. Even worse, some populations of bed bugs have developed resistance to common insecticides, making some sprays ineffective. Alternative methods include heat and steam treatments, structural fumigations and cold treatments.

Keep in mind these important tips:

- Always [read and follow label directions](#) for any pesticide product, and make sure the pesticide is intended for treating bed bugs.
- Bat bugs, bed bugs and other insects can be easily confused for one another, and proper pest identification is essential. There are picture-guides linked below. You could also contact your local [Cooperative Extension Service](#) for help.
- If you use more of a pesticide than the label directs, it could make the problem worse by causing bedbugs to disperse. It could also cause health effects.
- Avoid daily spot treatments for bed bugs. It can cause the pesticide-resistant population to grow.
- Infested items that cannot be treated with pesticides (bedding, clothing, electronic items) can be treated with heat or cold to kill the bed bugs. See the resources below for the specific methods, including the temperatures known to be effective.
- If you remove infested items from your home, they can be placed in sealed plastic bags to prevent bedbug dispersal.
- If you discard infested items, clearly mark them to prevent others from taking bedbugs home. Consider drawing a picture of a bug, which can be understood by people who speak different languages.
- Many experts recommend an IPM approach, which stands for [Integrated Pest Management](#). This approach emphasizes prevention, sanitation and exclusion, and utilizes pesticides only as a last resort when other options have failed.
- Inspect any second-hand furniture or travel bags before bringing them into your home to make sure you are not also bringing in bedbugs. The resources below discuss how to inspect items for bed bugs.

Understanding and Controlling Bed Bugs



- Inspect any second-hand furniture or travel bags before bringing them into your home to make sure you are not also bringing in bedbugs. The resources below discuss how to inspect items for bed bugs.

The [National Pesticide Information Center](#) (NPIC) received hundreds of calls last year from all over the country about bed bugs. If you have questions about this, or any pesticide-related topic, please call NPIC at **1-800-858-7378** (seven days per week, 6:30am-4:30pm PST), or email at npic@ace.orst.edu.

Related NPIC Information:

- [If It's Made of the Same Stuff... Isn't the Cheaper One Good Enough?](#) - Common Pesticide Questions
- [How to Select a Pest Control Company](#)

Additional Resources on this Topic:

- [Bed Bugs are Back! An IPM Answer](#) - Cornell University
- [Bed Bug Insect Notes](#) - North Carolina State University
- [Bed Bug Fact Sheet](#) - Cornell University
- [Bed Bug Fact Sheet](#) - University of Kentucky (Available in Spanish)
- [Bed Bug Fact Sheet](#) - Ohio State University
- [Managing Bed Bugs](#) - University of Nebraska Lincoln
- [Control of Bed Bugs In Residences](#) - University of Minnesota Extension
- [Prevention and Control of Bed Bugs in Residences: Information for Homeowners and Tenants](#) - University of Minnesota Extension
- [Guidelines for Prevention and Management of Bed Bugs in Shelters and Group Living Facilities](#) - Cornell University
- [Guidelines for the Control and Prevention of Bed Bug Infestations in California](#) - California Department of Public Health
- [Traveler Q & A: Preventing bed bugs from hitchhiking to your home](#) - University of Minnesota Extension
- [Bed Bug Resources](#) - New York vs. Bed Bugs
- [What's Working for Bed Bug Control in Multifamily Housing](#) - National Center for Healthy Housing

Beg Bug Videos

- [Bed Bug Awareness Video](#) - Ontario Non-Profit Housing Association
- [Bed Bugs](#) - National Geographic
- [National Bed Bug Summit Video Webinar Presentations](#) - U. S. Environmental Protection Agency

Please read our [disclaimer](#).



What Should I Do During Mosquito Spraying? Episode 5 - A specialist answers questions about why city health departments might spray for mosquitoes and ways people can avoid contact with the mosquito spray. [Download and Listen](#), [View Transcript](#) - 1:39 min., 1.50MB



Should Kids Use Bug Spray? Episode 4 - A specialist lists precautions a parent might take if they choose to use insect repellents on children. [Download and Listen](#), [View Transcript](#) - 2:07 min., 1.94MB



A Mothball Mishap? Episode 3 - A specialist debunks mothball myths and describes how improper use of mothballs can lead to unpleasant or even unhealthy results. [Download and Listen](#), [View Transcript](#) - 1:32 min., 1.41MB



How Can I Wash Pesticides From Fruit and Veggies? Episode 2 - A specialist discusses how to best wash pesticide residues from produce, including potential risks of using household products to clean fruit and vegetables. [Download and Listen](#), [View Transcript](#) - 1:41 min., 1.54MB



About NPIC Episode 1 - Our director discusses how NPIC can assist people when making decisions about pesticides. Ways to contact NPIC are provided. [Download and Listen](#), [View Transcript](#) - 2:07 min., 1.95MB





Get Rid of the Mouse! With Kids In the House? Episode 10 - A specialist lists precautions to consider when thinking of using rat or mouse baits around pets and children. [Download and Listen](#), [View Transcript](#) - 1:53 min., 3.45MB



When to Plant After Using Weed Killer? Episode 9 - A specialist provides information about using weed killers to prepare a vegetable garden. [Download and Listen](#), [View Transcript](#) - 1:44 min., 3.96MB



With a Baby on the Way... Is It Okay to Spray? Episode 8 - A specialist discusses infant sensitivity to pesticides and lists some ideas for minimizing exposure. [Download and Listen](#), [View Transcript](#) - 1:55 min., 4.41MB



Could Snail Bait Hurt My Dog? Episode 7 - A specialist cautions dog owners about the risks of snail baits and provides ways to protect their pets. [Download and Listen](#), [View Transcript](#) - 1:56 min., 4.42MB



Dirty Work Clothes: How Should I Wash Out Pesticides? Episode 6 - A specialist explains how to handle and launder clothes that are contaminated with pesticides. [Download and Listen](#), [View Transcript](#) - 1:33 min., 3.57MB

PestiByte PODcasts





Can Bug Bombs Really Explode? Episode 15 - A specialist warns about the fire hazards of insecticide foggers and lists safety steps to take before setting off bug bombs. [Download and Listen](#), [View Transcript](#) - 2:02 min., 3.73MB



Don't Distress Over Uninvited Guests (Roaches)! Episode 14 - A pesticide specialist discusses common problems with cockroaches in the home and simple ways to prevent infestations. [Download and Listen](#), [View Transcript](#) - 2:06 min., 3.85MB



Cover the Holes When Baiting for Moles (or Gophers)! Episode 13 - A specialist answers questions about the risks of gopher bait for dogs, and how to keep them from snacking on the bait. [Download and Listen](#), [View Transcript](#) - 2:03 min., 3.85MB



Pesticides and Food Containers Just Don't Mix Episode 12 - A specialist points out the dangers of storing pesticides in any container other than the original container. [Download and Listen](#), [View Transcript](#) - 2:06 min., 3.94MB

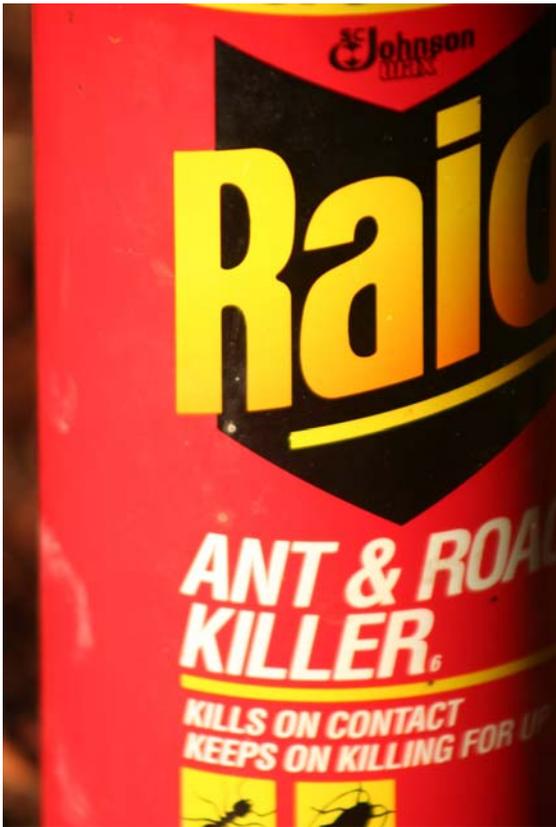


Would I Hurt the Fish by Weeding and Feeding the Lawn? Episode 11 - A specialist explains ways to keep weed killers from harming fish. [Download and Listen](#), [View Transcript](#) - 1:50 min., 3.36MB

PestiByte PODcasts



PAIRS – Pesticide Active Ingredient Retrieval System



- A new database for pesticide product information
- Content is similar to NPIRS
- Content comes from PPIS (EPA)
 - EPA registration numbers
 - active ingredients
 - pests, sites, formulation
 - signal word, registrant info



Pesticides: Regulating Pesticides



Recent Additions | Contact Us Search: All EPA This Area

You are here: [EPA Home](#) » [Pesticides](#) » [Regulating Pesticides](#) » [Registration Information Sources](#) » Pesticide Product Information System (PPIS)

Pesticide Product Information System (PPIS)

(file download area for FIFRA section 3 & 24(c) pesticide product information)

The Pesticide Product Information System (PPIS) contains information concerning all pesticide products registered in the United States. The files located in this download area are presented in ascii to enable interested parties to access them using a variety of database and spreadsheet software.

Note: All zipped and unzipped file sizes provided below are approximations.

- [Introduction, File Formats and Data Dictionary \(PDF\)](#) (PLEASE READ FIRST, 08/08/2005, 17 pp, 120K, [About PDF](#))
- [Sample Section 3 Report w/ Report Layout Description \(PDF\)](#) (05/31/2002, 5 pp, 55K, [About PDF](#))
- [Sample Section 24\(c\) Report w/ Report Layout Description \(PDF\)](#) (10/01/2001, 4 pp, 50K, [About PDF](#))

Download FIFRA Section 3 Product Information Files

- [Basic Registration Information](#) (03/26/2010, pkzip-1,600K, ascii-9,200K)
- [Product Formulation](#) (03/26/2010, pkzip-674K, ascii-3,400K)
- [Product Pests](#) (03/26/2010, pkzip-3,331K, ascii-20,000K)
- [Product Sites](#) (03/26/2010, pkzip-3,253K, ascii-20,800K)
- [Product Site/Pest Combinations](#) (**DROPPED ON JULY 7, 2003**)
- [Product Transfers](#) (03/26/2010, pkzip-97K, ascii-500K)
- [Product Types](#) (03/26/2010, pkzip-340K, ascii-2,000K)
- [Distributor Products](#) (03/26/2010, pkzip-3,772K, ascii-16,400K)
- [Registrant Name and Address](#) (03/26/2010, pkzip-1,259K, ascii-7,400K)
- [Registrant's Agent Name and Address](#) (03/26/2010, pkzip-40K, ascii-260K)

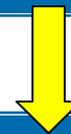
Download Vocabulary Files

- [Cancel/Transfer Code Vocabulary](#) (03/26/2010, pkzip-1K, ascii-4K)
- [Chemical Abstract Service Crosswalk](#) (03/26/2010, pkzip-27K, ascii-75K)
- [Chemical Vocabulary](#) (03/26/2010, pkzip-343K, ascii-1,400K)
- [Pest Code Vocabulary](#) (03/26/2010, pkzip-88K, ascii-270K)
- [Product Form Code Vocabulary](#) (03/26/2010, pkzip-1K, ascii-2K)
- [Product Manager Vocabulary](#) (03/26/2010, pkzip-1K, ascii-3K)
- [Product Type Code Vocabulary](#) (03/26/2010, pkzip-1K, ascii-2K)
- [Site Code Vocabulary](#) (03/26/2010, pkzip-218K, ascii-1,300K)
- [Toxicity Code Vocabulary](#) (11/30/1998, pkzip-1K, ascii-1K)

Download FIFRA Section 24(c) Special Local Need Product Information Files

- [24\(c\) Basic Registration Information](#) (03/26/2010, pkzip-41K, ascii-250K)
- [24\(c\) Product Formulation](#) (03/26/2010, pkzip-15K, ascii-65K)
- [24\(c\) Product Pests](#) (03/26/2010, pkzip-48K, ascii-240K)
- [24\(c\) Product Sites](#) (03/26/2010, pkzip-28K, ascii-140K)
- [24\(c\) Product Types](#) (03/26/2010, pkzip-11K, ascii-50K)

**PAIRS –
Pesticide Active
Ingredient
Retrieval System**



*Available soon as an
“app” for iPhone, Droid
phone formats!*

Pesticides Home

Regulating Pesticides
Home

Registration

Reevaluation:
Pesticide Review

Pesticide-Producing
Establishments

Laws and Regulations

International Issues

Adverse Effects
Reporting

Storage & Disposal

Restricted & Canceled
Uses

Pesticide Tolerances

Registration
Information Sources

Regnum/Name AI/Pest/Site Type/Form/SigWord

Search by Registration Number and/or Name:

Clear All Search Tabs

Find products by number: Registrant: Product: Distributor:

Input fields for number, registrant, product, distributor with a Clear button.

Find products by name: RAID [Clear]

Find by registrant name: [Clear]

Clear All Search Search Refine Results

Go To State Web

Search Results:

- 4822-38: RAID HOUSE & GARDEN BUG KILLER
- 4822-71: RAID POWER GUARD 2-WAY BUG KILLER
- 4822-72: NEW FORMULA RAID HOUSE & GARDEN BUG KILLER
- 4822-73: NEW FORMULA RAID FLYING INSECT KILLER
- 4822-113: JOHNSON RAID HOUSEHOLD FLYING INSECT KILLER
- 4822-133: IMPROVED FORMULA RAID HOUSE & GARDEN BUG KILLER
- 4822-135: RAID AUTOMATIC INDOOR FOGGER
- 4822-172: RAID HOUSEHOLD FLYING INSECT KILLER FORMULA 3
- 4822-173: RAID HOUSEHOLD FLYING INSECT KILLER FORMULA 4
- 4822-180: RAID INDOOR FOGGER II

Show Active Products Show Canceled Show Transferred Show Restricted Use

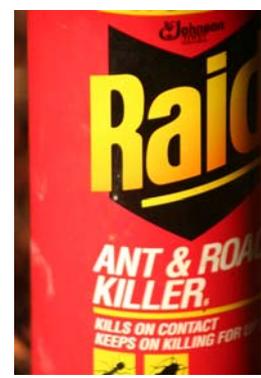
Status:

Found 324 product(s)...

displaying 324 products displaying 139 products Exit



PAIRS – Pesticide Active Ingredient Retrieval System



Pesticide and Active Ingredient Retrieval System (PAIRS)

File Help

Regnum/Name AI/Pest/Site Type/Form/SigWord

Search By AI/Pest/Site:

Ingredients: permethrin

Select All

Clear List

Permethrin (PC:109701)

Permethrin, mixed cis,trans (PC:109701)

Pests:

Select All

Clear List

Sites:

Select All

Clear List

Starts With

Contains

CAS #

Starts With

Contains

Starts With

Contains

Clear All Lists

Search

Refine Results



PAIRS – Pesticide Active Ingredient Retrieval System

- Search Results:
- 4822-271: #271 RAID ROACH & ANT KILLER AND TREATMENT
 - 4822-274: RAID FORMULA 274 INSECT KILLER
 - 4822-277: RAID FORMULA 277 INSECT KILLER
 - 4822-278: RAID FORMULA 278 INSECT KILLER
 - 4822-321: RAID FOGGER 15
 - 4822-323: RAID ANT & ROACH FORMULA 6
 - 4822-353: RAID ANT AND ROACH KILLER FORMULA D16
 - 4822-391: RAID ANT & ROACH KILLER 12
 - 4822-394: RAID YARD GUARD OUTDOOR FOGGER FORMULA VII
 - 4822-403: RAID ANT & ROACH KILLER 14
- Show Active Products Show Canceled Show Transferred Show Restricted Use

Status:

AI(s): Permethrin | Permethrin, mixed cis,trans |
Refined matches to 29 product(s)...

displaying 22 products

Exit



Regnum/Name Al/Pest/Site **Type/Form/SigWord**

More Search Options:

Types: ALGAEICIDE
 ALGICIDE
 ANTIFOULANT
 ANTIFOULING
 ANTIMICROBIAL

Select All

Clear

Formulations: Pressurized Gas
Pressurized Liquid
 Ready-to-Use Solution
 Solid Agar
 Soluble Concentrate

Select All

Clear

Signal Words: CAUTION
 DANGER
 NO SIGNAL WORD
 WARNING

Select All

Clear

Clear All

Search

Refine Results

Search Results:

4822-271: #271 RAID ROACH & ANT KILLER AND TREATMENT
 4822-321: RAID FOGGER 15
 4822-323: RAID ANT & ROACH FORMULA 6
 4822-353: RAID ANT AND ROACH KILLER FORMULA D16
 4822-391: RAID ANT & ROACH KILLER 12
 4822-394: RAID YARD GUARD OUTDOOR FOGGER FORMULA VII
 4822-403: RAID ANT & ROACH KILLER 14
 4822-423: RAID WASP & HORNET KILLER XIII
 4822-473: RAID ANT & ROACH KILLER 16
 4822-479: RAID ANT & ROACH KILLER 479

Show Active Products Show Canceled Show Transferred Show Restricted Use

Status:

Formulation(s): Pressurized Liquid
 Refined matches to 22 product(s)...

displaying 16 products

Exit



PAIRS – Pesticide Active Ingredient Retrieval System



Regnum/Name AI/Pest/Site Type/Form/SigWord

Search By AI/Pest/Site:

Ingredients: permethrin

Starts With

Contains

CAS #

Select All

Permethrin (PC:109701)
Permethrin, mixed cis,trans (PC:109701)

Clear List

Pests:

Starts With

Contains

Select All

Clear List

Sites: indoor

Starts With

Contains

Select All

VETERINARY HOSPITALS/CLINICS (INDOOR EDIBLE)
WAREHOUSES (INDOOR EDIBLE)
WAREHOUSES (INDOOR INEDIBLE)
WINERIES (INDOOR EDIBLE)

Clear List

Clear All Lists

Search

Refine Results

Search Results:

499-404-4822: RAID FLEA KILLER PLUS FOGGER III

Show Active Products

Show Canceled

Show Transferred

Show Restricted Use

Status:

Site(s): WAREHOUSES (INDOOR EDIBLE)

Refined matches to 1 product(s)...

displaying 1 products

Exit

PAIRS – Pesticide Active Ingredient Retrieval System



PAIRS – Pesticide Active Ingredient Retrieval System

Pesticide and Active Ingredient Retrieval System (PAIRS)

File Help

Regnum/Name AI/Pest/Site Type/Form/SigWord

Search By AI/Pest/Site:

Ingredients: permethrin

- Select All
- Clear List

Starts With

- Starts With
- Contains
- CAS #

Pests:

- Select All
- Clear List

Sites: indoor

- Select All
- Clear List

VETERINARY HOSPITALS/CLINICS (INDOOR EDIBLE)
WAREHOUSES (INDOOR EDIBLE)
WAREHOUSES (INDOOR INEDIBLE)

Starts With

- Starts With
- Contains

Clear All Lists Search Refine Results

Search Results:

499-404-4822: RAID FLEA KILLER PLUS FOGGER III

Show Active Products Show Canceled Show Transferred Show Restricted Use

Status:

Refined matches to 1 product(s)...

displaying 1 products

Viewing: 499-404-4822: RAID FLEA KILLER PLUS FOGGER III

Exit

499-404-4822

Product detail:

Reg. Number: 499-404-4822

Name: RAID FLEA KILLER PLUS FOGGER III

Formulation: Pressurized Liquid

Signal Word: CAUTION

Appr. Date: 09/19/1995

Registrant/Distributor:

WHITMIRE MICRO-GEN RESEARCH LABORATORIES, INC.

3568 TREE CT INDUSTRIAL BLVD
ST LOUIS, MO 63122
(800) 773-2534

Distributed by:

S.C. JOHNSON & SON INC.
1525 HOWE STREET
RACINE, WI 53403

Go To Web

Ingredients Pests Sites Types

4,7-Methano-1H-isoindole-1,3(2H)-dione, 2-(2-ethylhexyl)-3a,4,7,7a-tetrahydro-
Concentration: .4%
CAS Num: 113-48-4

Pyrethrins
Concentration: .05%
CAS Num: 8003-34-7

Permethrin, mixed cis,trans
Concentration: .4%
CAS Num: 52645-53-1

Pyridine, 2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)-
Concentration: .1%
CAS Num: 95737-68-1

AI List:

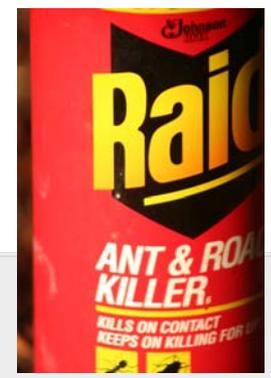
- Show All Names
- Show Only Primary Names
- Don't Show Trade Names

Most Recent Label (PDF)

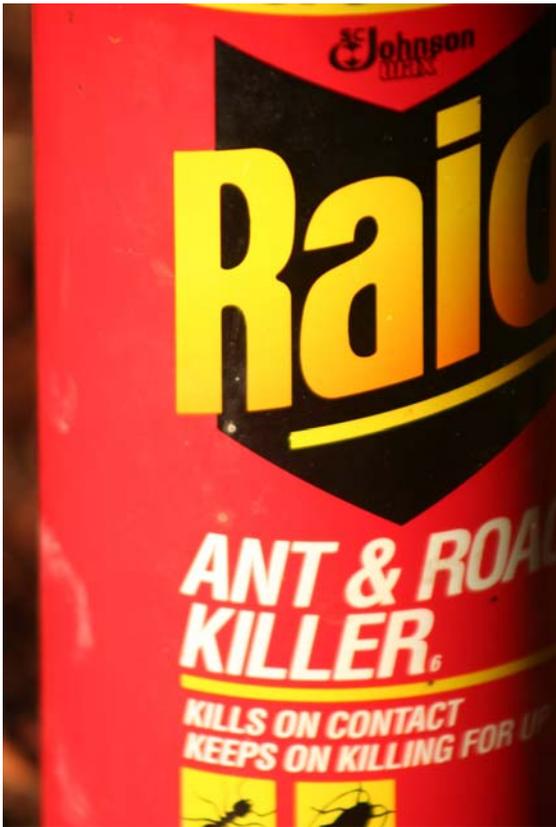
Most Recent Label (TIFF)

More Label Versions...

Close

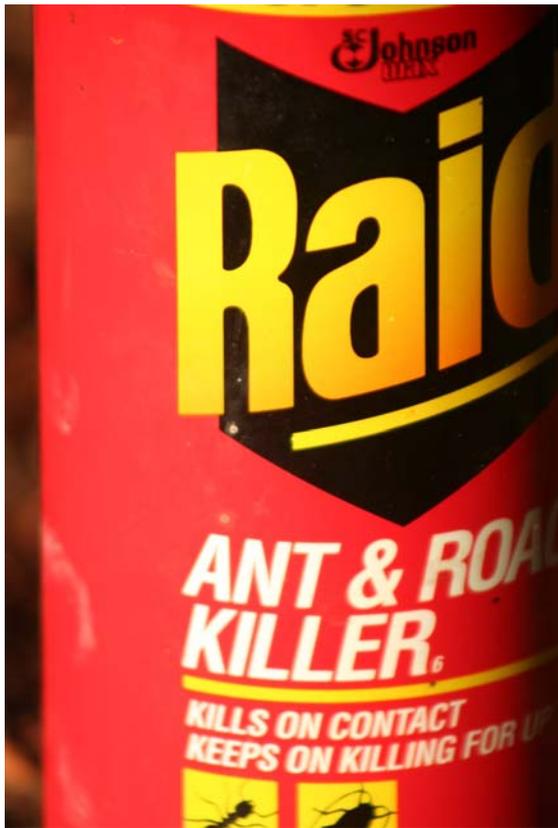


PAIRS – Pesticide Active Ingredient Retrieval System



- Data updated monthly
- Data stored in-house, no 'outages'
- State registration not available

PAIRS – Pesticide Active Ingredient Retrieval System



- Has this product been cancelled?
- Are there any citronella products registered for use on human skin?
- Does the label for this product prohibit aerial application?
- Are there any insecticide collars registered for use on ferrets?
- Do any of the Bt briquettes include methoprene?

Surveillance of Adverse Pesticide Reactions in Animals



Over 30,000 animal
incident reports
annually

General Public



Media

Pesticide Manufacturers

*Note: Pharmaceuticals are regulated by the Food & Drug Administration.
To report adverse drug reactions, call FDA at 1-800-332-1088.*

Veterinary Incident Reporting Portal

(VIRP)

- Developed by Sean Ross, NPIC
- Collaborators:
 - US EPA Office of Pesticide Programs
 - American Veterinary Medical Association
- Intended for use by *veterinary professionals*
- Launched in April 2009
- Over 150 reports submitted to date
- It takes less than five minutes to submit a report

Make a Difference
Report Adverse Reactions to Pesticides!

There is a *new* reporting mechanism online, and it was designed to be *quick* and *easy* for busy veterinarians.



About 30,000 reports of adverse effects in pets are received by the US EPA each year. Reports vary in quality, and this portal is expected to generate more reliable data on pesticide incidents, from veterinarians like you.



<http://npic.orst.edu/vet>

The reporting site was developed by the National Pesticide Information Center with input from the EPA Office of Pesticide Programs, the AVMA Clinical Practitioners Advisory Committee and the AVMA Council on Biologic and Therapeutic Agents.

HOW TO REPORT...
adverse reactions to pesticides

- 1) Go to <http://npic.orst.edu/vet>
- 2) Answer required questions
- 3) Click "Save"

If you have questions, call 1-800-858-7378, seven days a week

Thank you for your time!

About NPIC

Contact Us

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En Español

NPIC Home

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Manufacturers

Pest Control

Emergency

Related Links

NPMMP

Search

Veterinary Pesticide Adverse Effects Reporting

Welcome to NPIC's Veterinary Pesticide Adverse Effects Reporting portal.

This system is only for use by veterinarians or their staff to report adverse effects of an animal's exposure to pesticides.

The purpose of this system is to gather information from **qualified** medical professionals. Use of this system by others is strongly discouraged and may result in the termination of this service.

If you are not a veterinarian, but would like to report an adverse effect of a pesticide to your pet, please call NPIC at 1-800-858-7378 and we will take your report over the phone.

Click the appropriate button below if you are a veterinarian and would like to submit a report:

Yes, I Am A Veterinarian

No, I Am Not A Veterinarian



<http://npic.orst.edu/vet>

1.800.858.7378

OSU Oregon State University

EPA United States
Environmental Protection
Agency

A peek at the portal

Required fields are shown with **green text on a light background.**

Animal and Exposure Information

Species: (click to select a species) ▾

Breed:

Sex: male female

neutered male neutered female

Age: days months years

Weight: lbs kg

Date of exposure (month/day/year):

Date of examination (month/day/year):

In what U.S. state/territory did the exposure occur?

(click to select a state) ▾

Route(s) of Exposure:

(may pick more than one -- hold the [ctrl] or [command] key while clicking)

Dermal
Oral
Grooming of other animal
Inhalation
Other (describe below)

Additional Details of Exposure:

Toxicity/signs:

(may pick more than one -- hold the [ctrl] or [command] key while clicking)

Neurological:
Tremor
Seizure
Depression
Excited/aggressive

News Releases - Pesticides and Toxic Chemicals

U.S. and Canada to Increase Scrutiny of Flea and Tick Pet Products

Release date: 04/16/2009

Contact Information: (News media only) Dale Kemery, 202-564-7839/4355 / kemery.dale@epa.gov
(Other inquiries: Doug Parsons, 202-564-0341 / parsons.douglas@epa.gov)

(Washington, DC - April 16, 2009) The U.S. Environmental Protection Agency is intensifying its evaluation of spot-on pesticide products for flea and tick control for pets due to recent increases in the number of reported incidents. Adverse reactions reported range from mild effects such as skin irritation to more serious effects such as seizures and, in some cases, the death of pets.

Flea and tick products can be appropriate treatments for protecting your pets and your family's health because fleas and ticks can transmit disease. While many people use the products with no harm to their pets, EPA recommends that pet owners take precautions when using these products. People should carefully follow label directions and monitor their pets for any signs of an adverse reaction after application, particularly when using these products for the first time. Pet owners may also want to consult a veterinarian about the responsible and effective use of flea and tick products.

Incidents with flea and tick products can involve the use of spot-on treatments, sprays, collars and shampoos. However, the majority of the incidents reported to EPA are related to flea and tick treatments with EPA-registered spot-on products. Spot-on products are generally sold in tubes or vials and are applied to one or more localized areas on the body of the pet, such as in between the shoulders or in a stripe along the back. This advisory pertains only to EPA-registered spot-on flea and tick products; these products have an EPA registration number on the label.

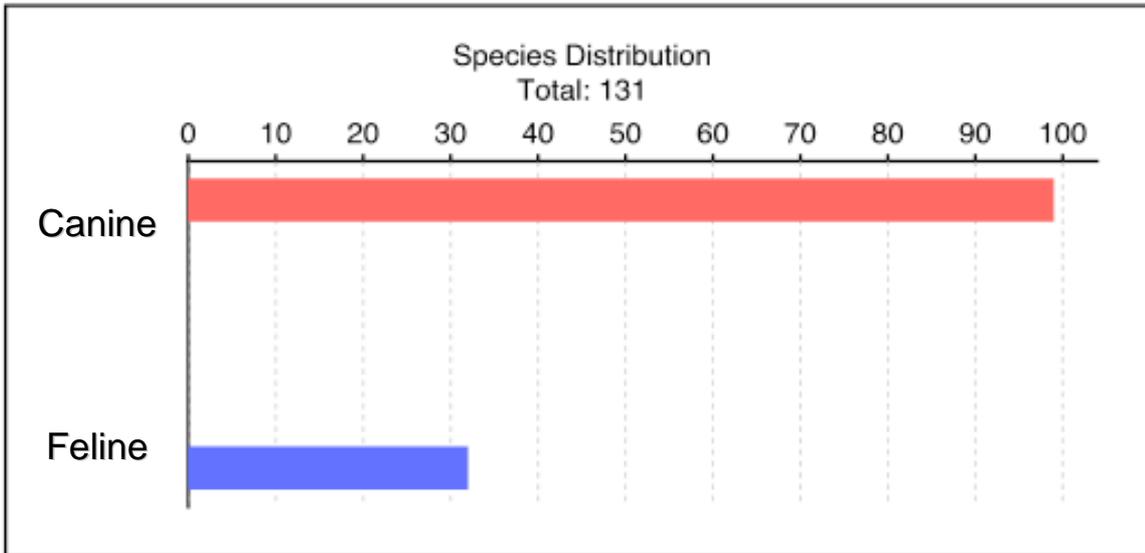
Health Canada has identified similar concerns about the use of spot-on flea and tick products. Health Canada and EPA will meet shortly with spot-on product manufacturers to address the issue, including whether further restrictions are necessary to protect the health of pets.

EPA recommends that veterinarians use the National Pesticide Information Center's Veterinary Pesticide Adverse Effects Reporting portal to report incidents: <http://npic.orst.edu/vet>

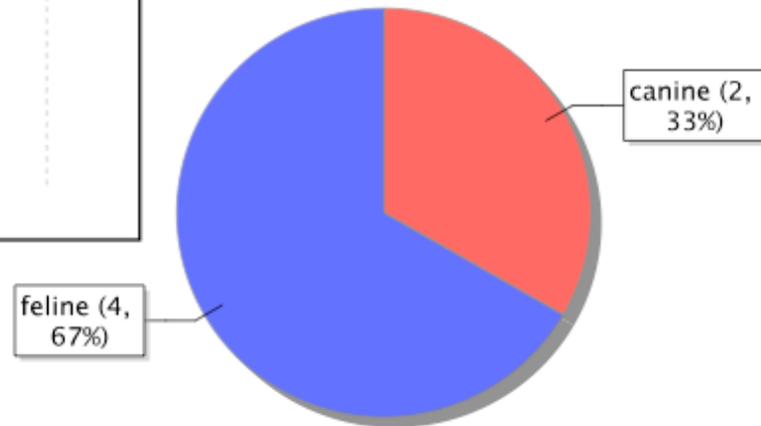


Preliminary Results

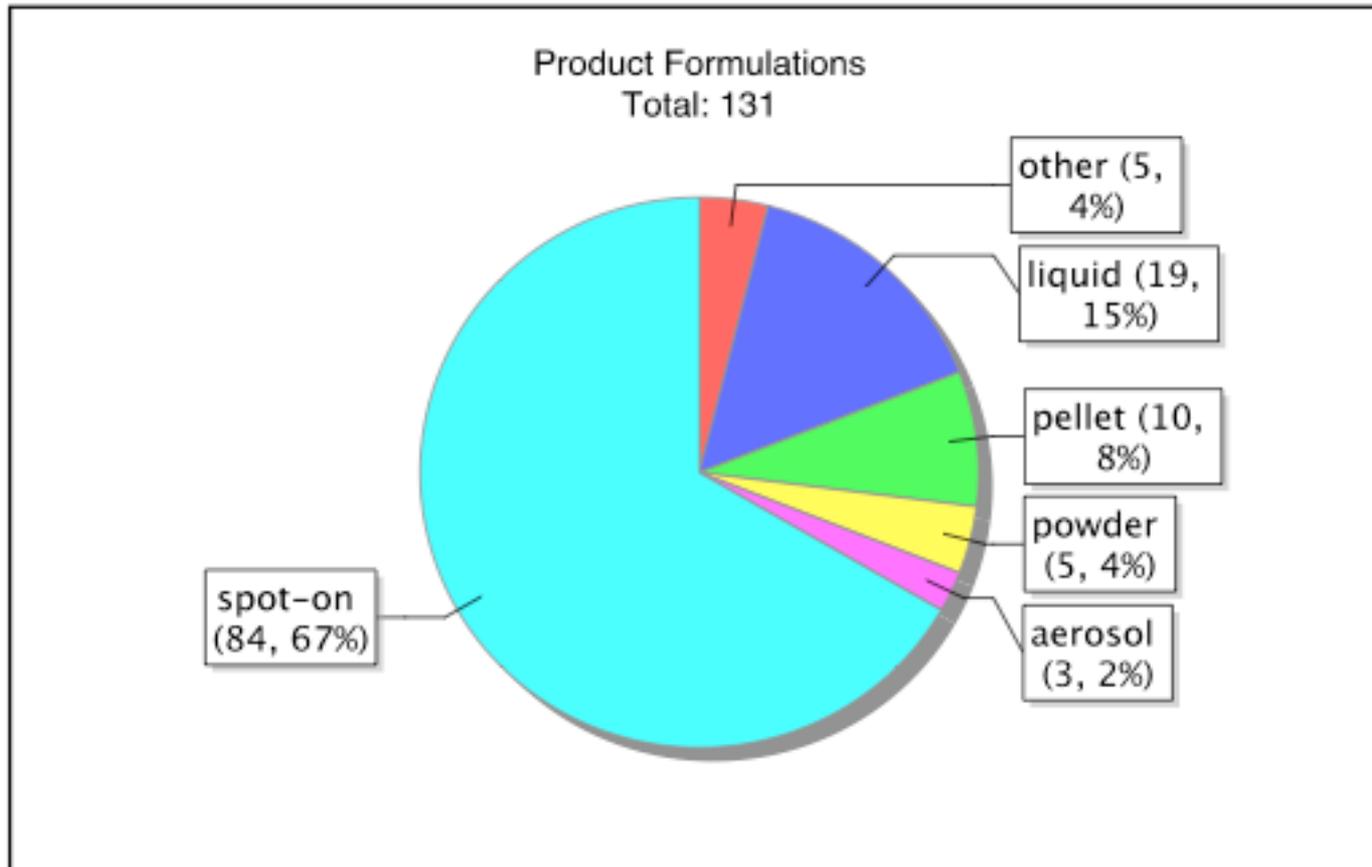
Species Distribution	
Species:	Number of Animals:
canine	99
feline	32
Total:	131



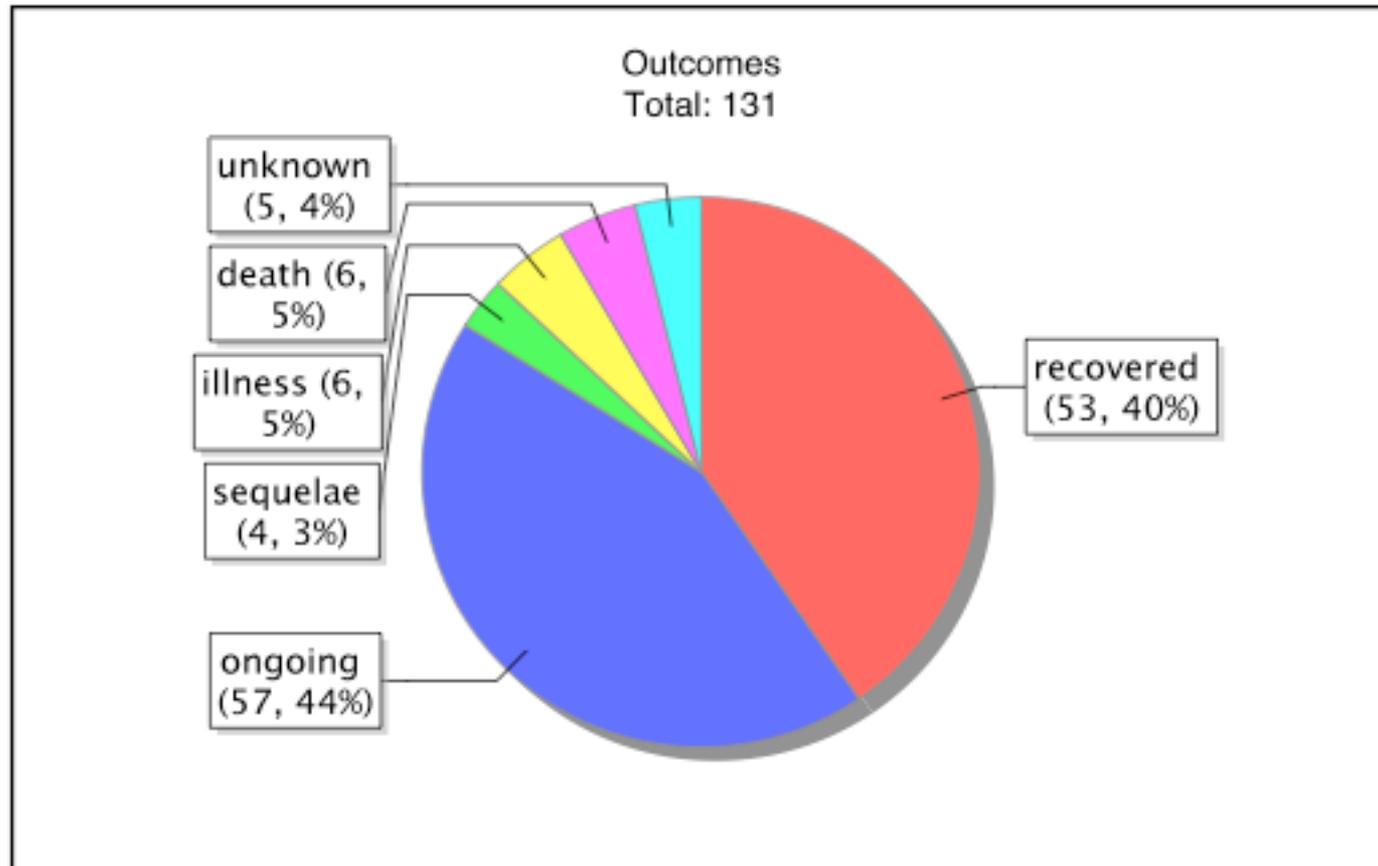
Six deaths reported



Preliminary Results

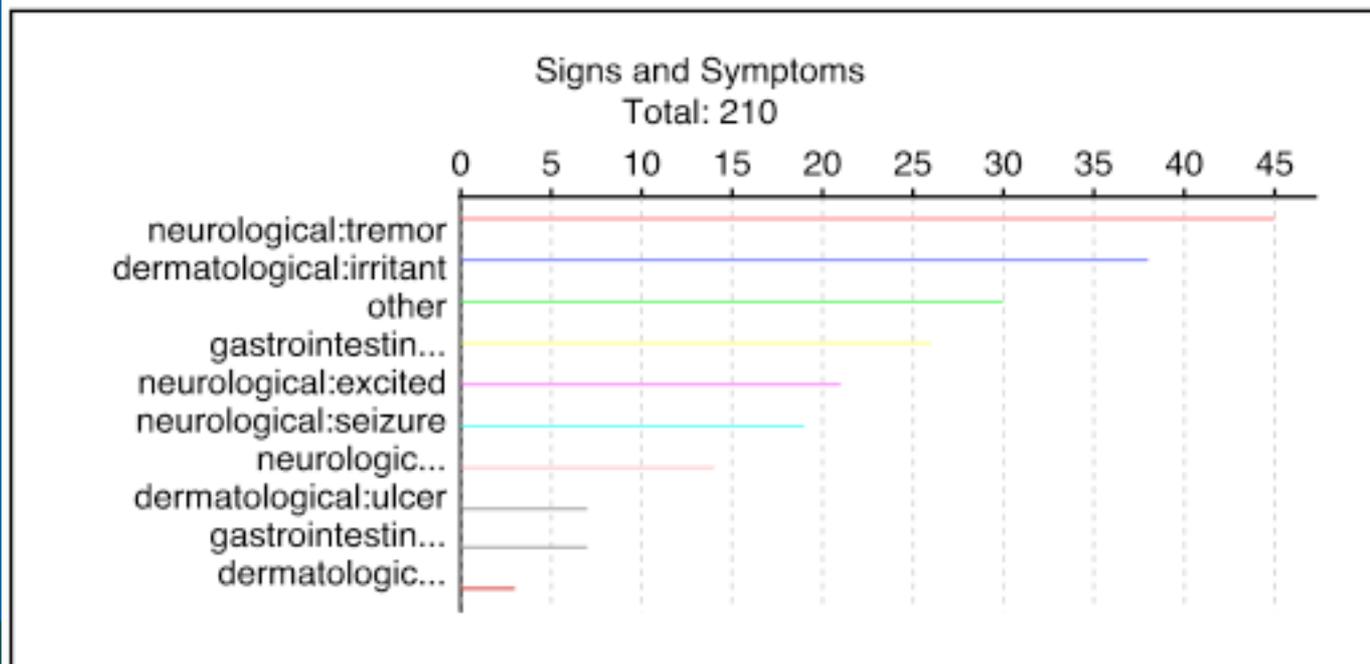


Preliminary Results



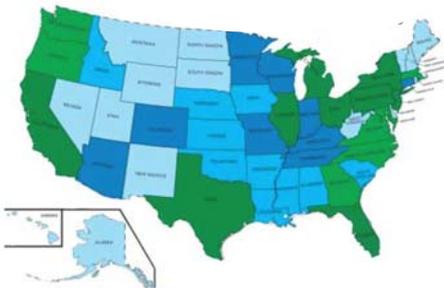
Signs and Symptoms

Sign/Symptom:	Quantity:
neurological:tremor	45
dermatological:irritant	38
other	30
gastrointestinal:vomiting	26
neurological:excited	21
neurological:seizure	19
neurological:depression	14
dermatological:ulcer	7
gastrointestinal:diarrhea	7
dermatological:sloughing	3
Total:	210



Where does it all go?

Veterinary
professionals
nation-wide



<http://npic.orst.edu/vet>



Spreading the Word

- We attended the AVMA Annual Meeting
- We mailed information to over 9,500 veterinarians and techs
- JAVMA published a notice about the VIRP
- We partnered with ASPCA and VIN to reach their memberships
- We are looking for more low-cost outreach mechanisms to spread the word



Why all the fuss about pets?

- The number of pet incidents reported to EPA rose by over 50% from 2007 to 2008.
- About one third of NPIC incidents were pet-related in 2007 and 2008.



- A new Co-Investigator at NPIC
 - Dr. Fred Berman, DVM, PhD

New Occupational Resources



The Crop Was Just Sprayed. Can I Work There Today?



Dirty Work Clothes: How Should I Wash Out Pesticides?



Rat bait stored with tack: Will the horse think it's a snack?



Available in Spanish



PestiByte PODCast

Conclusion

- NPIC basics
- New initiatives
 - Website improvements
 - PestiByte podcasts
 - A new database - PAIRS
 - A new reporting portal – VIRP
 - New occupational resources



Conclusion

A resource you can use:

- Call NPIC for help finding pesticide information
- Refer people to NPIC for quality service



1-800-858-7378

