

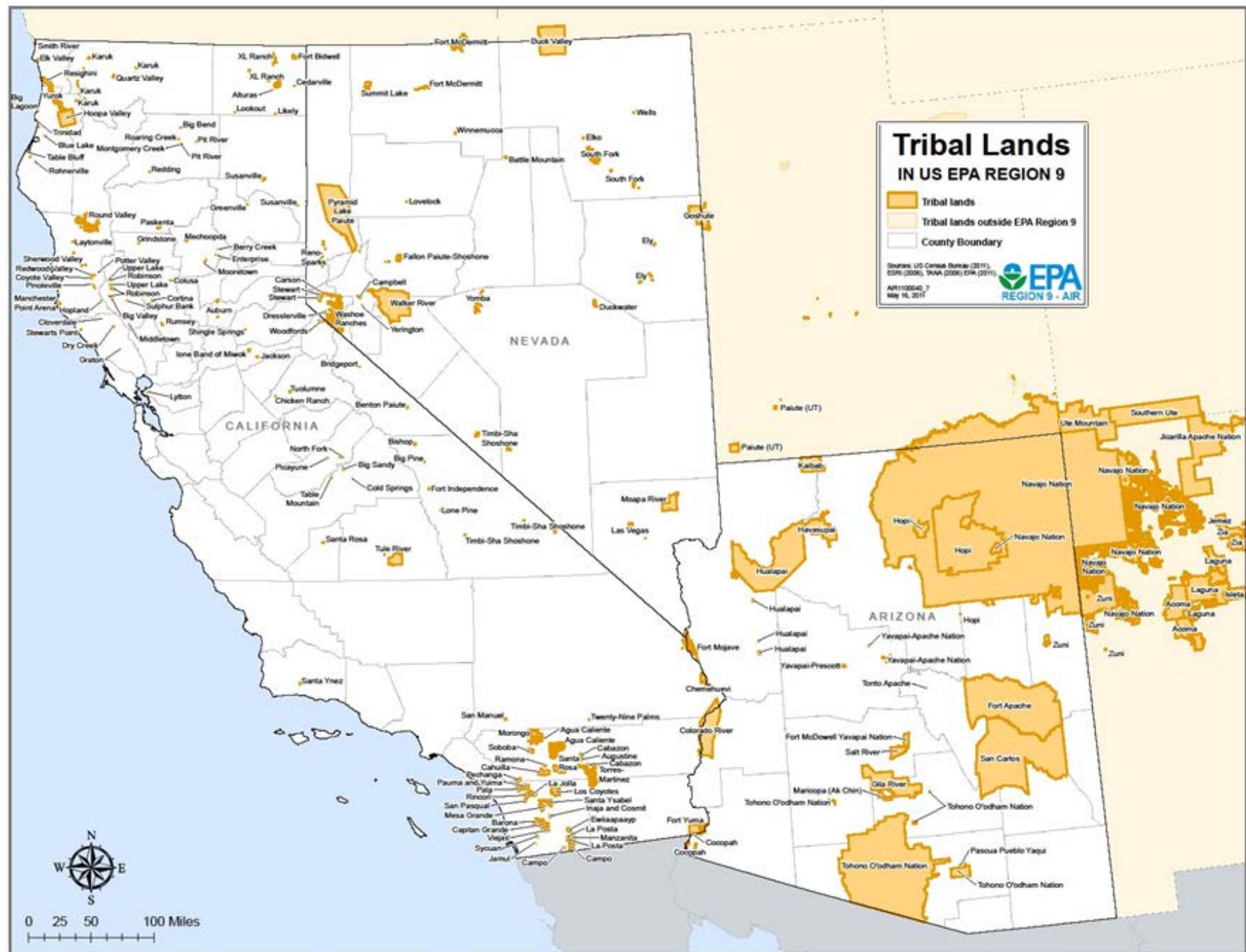
EPA RESOURCES



Alhelí Baños-Keener and Fabiola Estrada
US EPA Region 9
February 14, 2018
Vector Borne Disease Meeting

OVERVIEW

- EPA's General Assistance Program (GAP)
- Using EPA's GAP funding to assist with your VBD efforts
- Integrated Pest Management (IPM)
- Pesticide Safety
- EPA Resources



REGION 9 TRIBAL SECTION

- 148 federally recognized tribes in Region 9
- California, Arizona and Nevada
- In FY18 the Tribal Section awarded 114 grants; oversee GAP grants to the Tribes

INDIAN GENERAL ASSISTANCE PROGRAM (GAP)

- EPA provides (GAP) financial assistance to tribal governments and intertribal consortia to assist tribes in planning, developing, and establishing the capacity to implement federal environmental programs administered by the EPA and to assist in implementation of tribal solid and hazardous waste programs in accordance with applicable provisions of law, including the Solid Waste Disposal Act (commonly known as the Resource Conservation and Recovery Act, or RCRA).
- Non competitive grant program
- Request for proposals go out around October/November each year

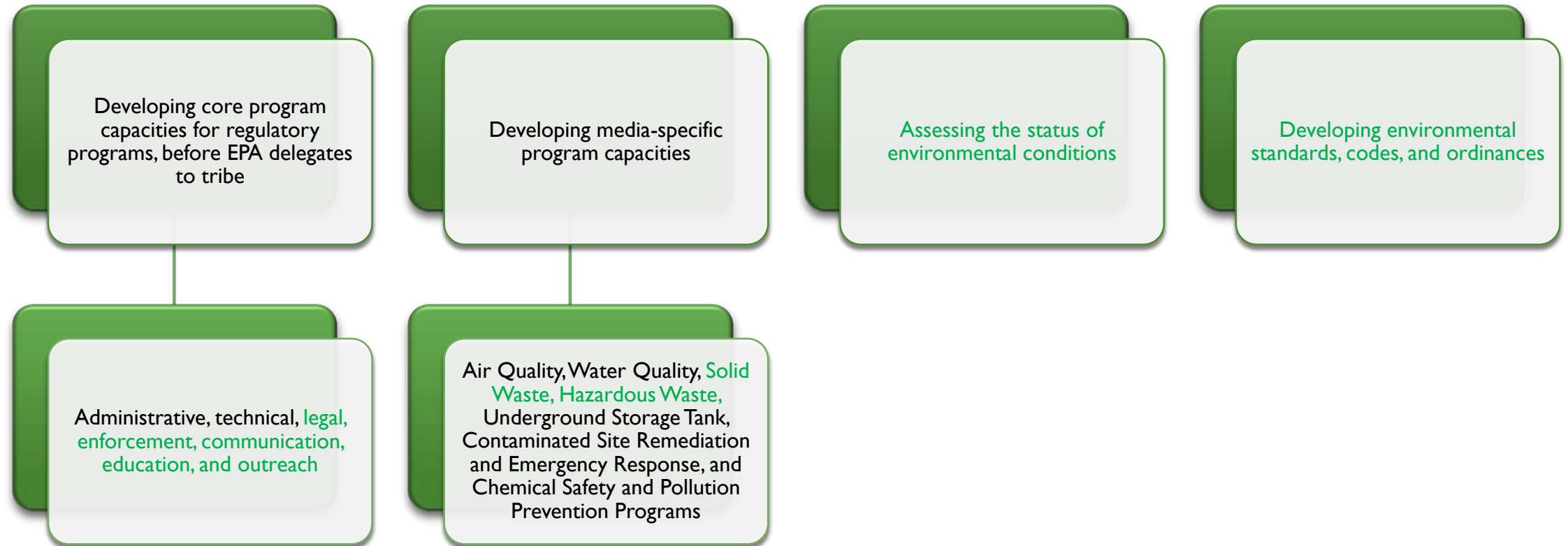
INDIAN ENVIRONMENTAL GENERAL ASSISTANCE ACT OF 1992

42 U.S.C 4368B, AS AMENDED, PUBLIC LAW 103-155



- Focus is on **capacity building** for tribal environmental programs:
 - Cost of planning, developing and establishing environmental protection programs
- GAP **funds implementation** for solid and hazardous waste in accordance with applicable provisions of law, including the Solid Waste Disposal Act
 - Program development
 - Building transfer stations
 - Dumpsite cleanups and closures
 - Community collection events
 - Recycling programs

EXAMPLES OF WHAT GAP SUPPORTS



PRACTICAL ACTIVITIES

Strategic Planning –
EPA-Tribal
Environmental Plan
(ETEP)

Assessing current
needs and conditions

Development of
Integrated Pest
Management Plans

Pesticide Safety
Training

Development of
Integrated Waste
Management Plans

Development of
ordinances,
environmental
standards, and codes

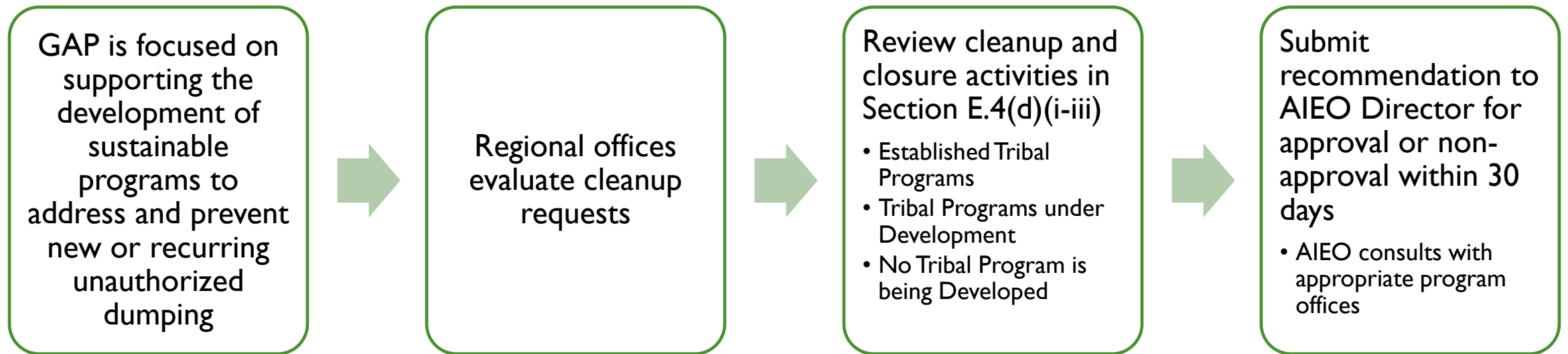
Education and
Outreach activities
related to solid waste,
pesticide safety, and
environmental health

Vector mitigation plans

LINKS BETWEEN VBD AND SOLID WASTE



PROGRAM IMPLEMENTATION: DUMPSITE CLEANUP AND CLOSURE



PROGRAM IMPLEMENTATION: COMPLIANCE AND ENFORCEMENT

Implementation activities associated with tribal waste management laws, codes, and/or regulations

- Compliance assurance (includes inspections)
- Enforcement to the extent of tribe's authorities

Tribes to support compliance with federal requirements:

- Compliance assurance under tribal authority at non-hazardous waste disposal facilities (40 C.F.R. Part 257 and/or Part 258)
- Compliance assistance and inspections to help verify hazardous waste generators are in compliance (40 C.F.R. Parts 261 and/or 262)
- Compliance assurance to help verify hazardous waste transporters are in compliance (49 C.F.R. Parts 172, 173, 178, and 179)

Conduct community outreach and education programs on solid waste, hazardous waste, source reduction and diversion, and USTs

COMMUNITY CLEANUP EVENTS



COMMUNITY CLEANUP EVENTS



REGION 9 GAP PROJECT OFFICERS

- [Region 9 Tribal Program Website](#)

U.S. EPA, Region 9 Tribal Section Project Officer List

updated 6/14/2016

Arizona Tribes

Ak-Chin	KF
Colorado River Indian Tribes	DC
Fort McDowell	KF
Fort Mojave	DC
Gila River	MB
Havasupai	VS
Hopi	PO
Hualapai	VS
Kaibab	PO
Navajo Nation	PO
Pasqua Yaqui	AB
Salt River	MB
San Carlos	PO
San Juan S. Paiute	PO
Tohono O'odham	AB
Tonto Apache	VS
White Mountain	PO
Yavapai Apache	VS
Yavapai Prescott	VS

California Tribes

Agua Caliente	WC
Alturas	TW
Auburn	GP
Augustine	WC
Barona	AB
Bear River	MB
Benton	DW
Berry Creek	DC
Big Lagoon	MB
Big Pine	DW
Big Sandy	GP*
Big Valley	RM
Bishop	DW
Blue Lake	MB
Bridgeport	DW
Buena Vista	GP
CA Valley Miwok	GP
Cabazon	WC
Cahto	MA
Cahuilla	NA
Campo	AB
Capitan Grande	AB
Cedarville	TW
Chemehuevi	DC
Chicken Ranch	DC*

California Tribes

Cloverdale	MA
Cocopah	AB
Cold Springs	WC*
Colusa	GP
Cortina	KF
Coyote Valley	MA
Cuyapaipe	AB
Dry Creek	KF
Elem	RM
Elk Valley	MB
Enterprise	DC
Fort Bidwell	TW
Ft Independence	DW
Graton	KF
Greenville	DC
Grindstone	DC
Guidville	MA
Hoopla	TW
Hopland	KF
Inaja & Cosmit	AB
Ione	GP
Jackson	GP
Jamul	AB
Karuk	TW
Kashia	KF
La Jolla	PO
La Posta	AB
Lone Pine	DW
Los Coyotes	NA
Lower Lake	VS
Lytton	MA
Manchester	VS*
Manzanita	AB
Mechoopda	DC
Mesa Grande	NA
Middletown	RM
Mooretown	DC
Morongo	NA
North Fork	TW*
Pala	AM
Paskenta	DC
Pauma	AM
Pechanga	AM
Picayune	WC*
Pinoleville	MA
Pit River	TW

California Tribes

Potter Valley	MA
Quartz Valley	TW
Quechan	AB
Ramona	AM
Redding	DC
Redwood Valley	MA
Resighini	TW
Rincon	PO
Robinson	RM
Round Valley	PO*
San Manuel	AM
San Pasqual	PO
Santa Rosa Rancheria	PO*
Santa Rosa Reservation	NA
Santa Ynez	RM
Santa Ysabel	NA
Scotts Valley	RM
Sherwood Valley	MA
Shingle Springs	GP
Soboba	NA
Susanville	DC
Sycuan	AB*
Table Mountain	DW*
Tejon Tribe	RM
Timbisha	DW
Tolowa Dee-ni' Nation	MB
Torres Martinez	WC
Trinidad	MB
Tule River	RM*
Tuolumne	MB*
29 Palms	WC
Upper Lake	RM
Viejas	AB
Wilton	GP
Wiyot	MB
Yocha DeHe	KF
Yurok	TW

Consortia

ITCA	VS
ITCN	GP
Klamath Basin Coalition	TW
NAEPC	AB
Owens Valley	DW
Upper Snake River	GP

Nevada Tribes

Battle Mountain Band	AM
Duck Valley	GP
Duckwater	WC
Elko Band	AM
Ely	WC
Fallon	VS
Fort McDermitt	GP
Goshute	WC
Las Vegas	PO
Lovelock	VS
Moapa	PO
Pyramid Lake	NA
Reno Sparks	VS
South Fork Band	AM
Summit Lake	VS
Te-Moak Tribe	AM
Walker River	VS
Washoe	NA
Wells Band	AM
Winnemucca	VS
Yerington	VS
Yomba	WC

Tribal Section Roster

AB: Alheli Banos	619-235-4767
AM: Angela Mendiola	415-972-3284
DC: Destinee Cooper	415-972-3790
DW: Damian Willson	415-972-3453
GP: Gilbert Pasqua	415-972-3788
KF: Anna "Kate" Fenimore	415-972-3418
MA: Marisol Anaya	415-972-3874
MB: Michelle Baker	415-972-3206
NA: Nico Anderson	415-972-3865
PO: Pam Overman	415-972-3781
RM: Ruben Mojica Hernandez	415-972-3268
TW: Tim Wilhite	530-841-4577
VS: Veronica Swann	415-972-3699
WC: Willard Chin	415-972-3797

*temporarily assigned

RECOMMENDED NEXT STEPS

1

Reach out to your
environmental
program

2

See if they have GAP
funding and discuss
working on VBD

3

Leverage existing
resources

A grayscale photograph of a hand holding a white rectangular card. The hand is positioned at the bottom and left, with fingers visible at the top and bottom edges of the card. The card contains contact information for Alhelí Baños-Keener. The background is black, with a green horizontal bar on the left and a teal horizontal bar on the right.

Alhelí Baños-Keener
Project Officer
Tribal Program
Banos.Alheli@epa.gov
(619) 235-4767

INTEGRATED PEST MANAGEMENT

Integrated
Pest
Management

Pesticide
Safety

IPM and
Vector
Control

EPA's
Resources

WHAT IS IPM?

Practical
strategies

Long-term
solutions

Better
understanding of
pests

Low impact
on human
health & the
environment



PEST MANAGEMENT IS EVERYONE'S JOB!

WHAT ABOUT PESTICIDES?

Safe when used as directed by the
label

Always follow the label

Use only when needed

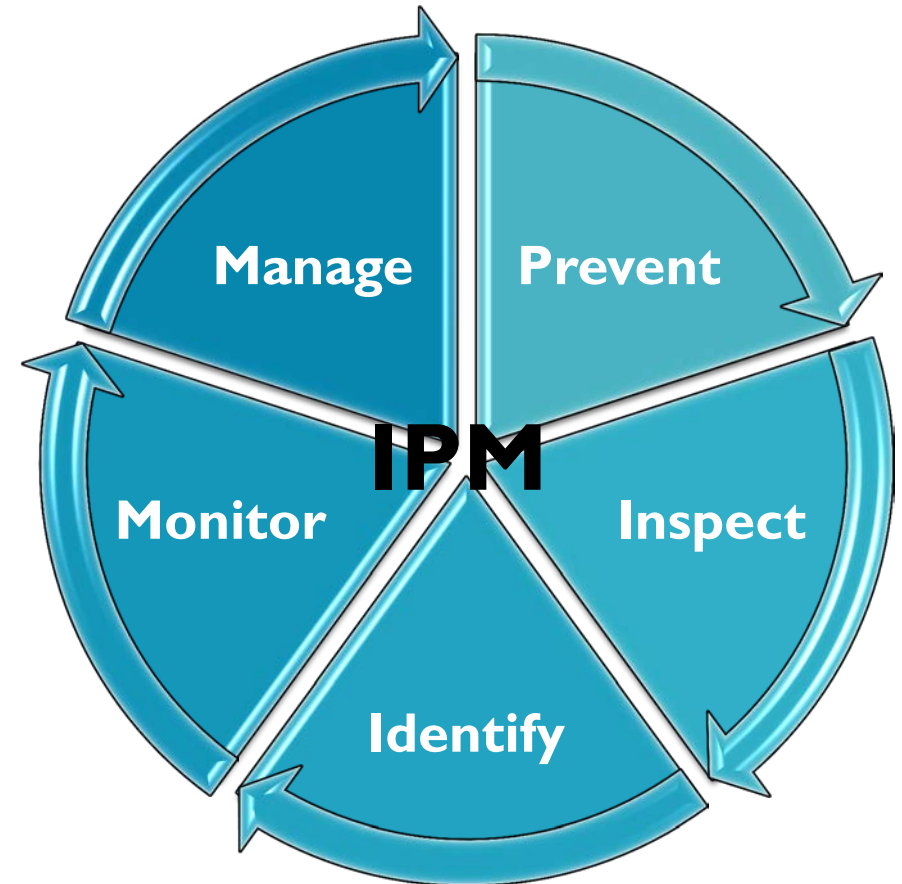


PEST MANAGEMENT

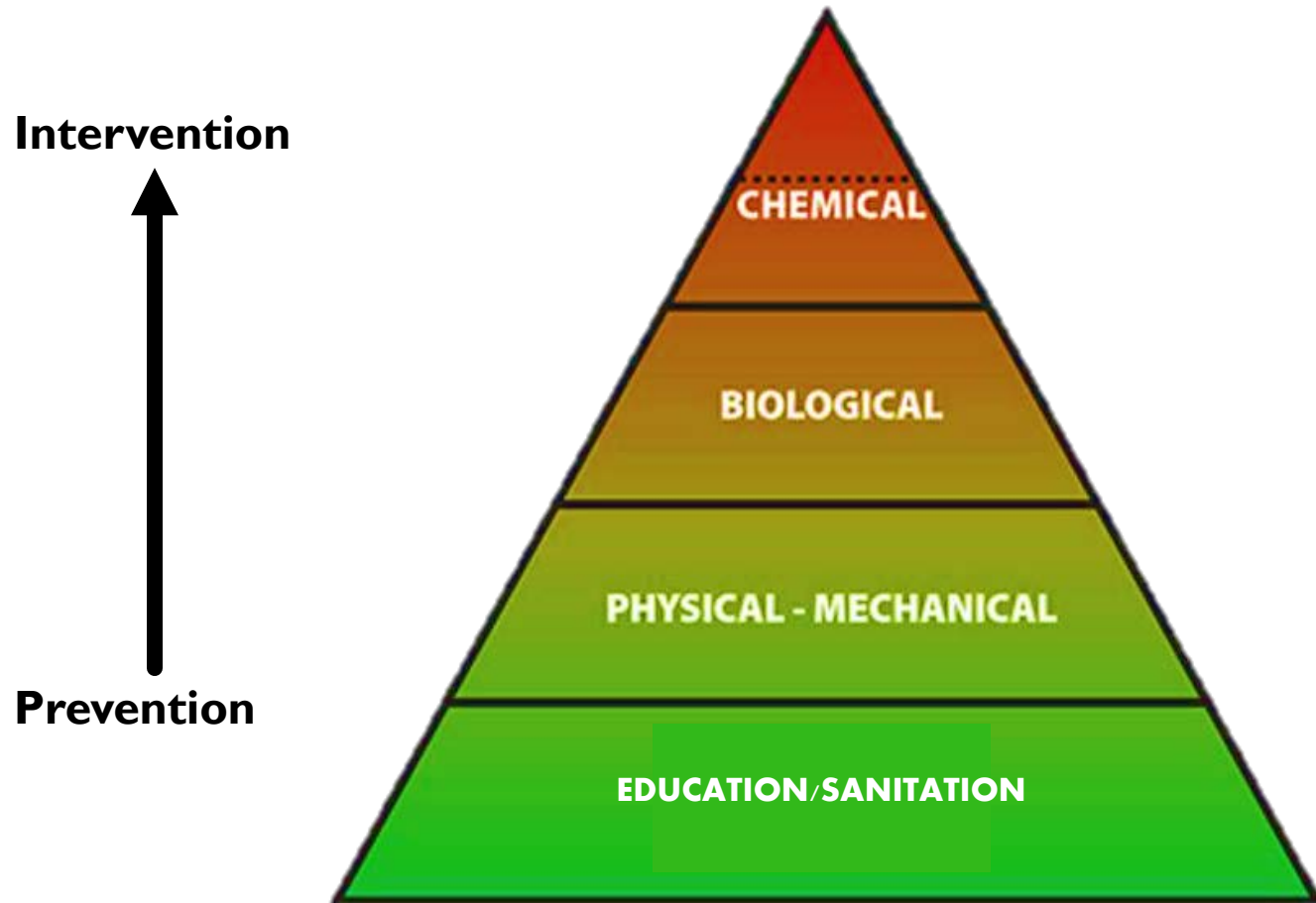
Common Practices

Pesticides first approach
Scheduled spraying
Temporary pest control
Unnecessary pesticide residue

VS



INTEGRATED PEST MANAGEMENT

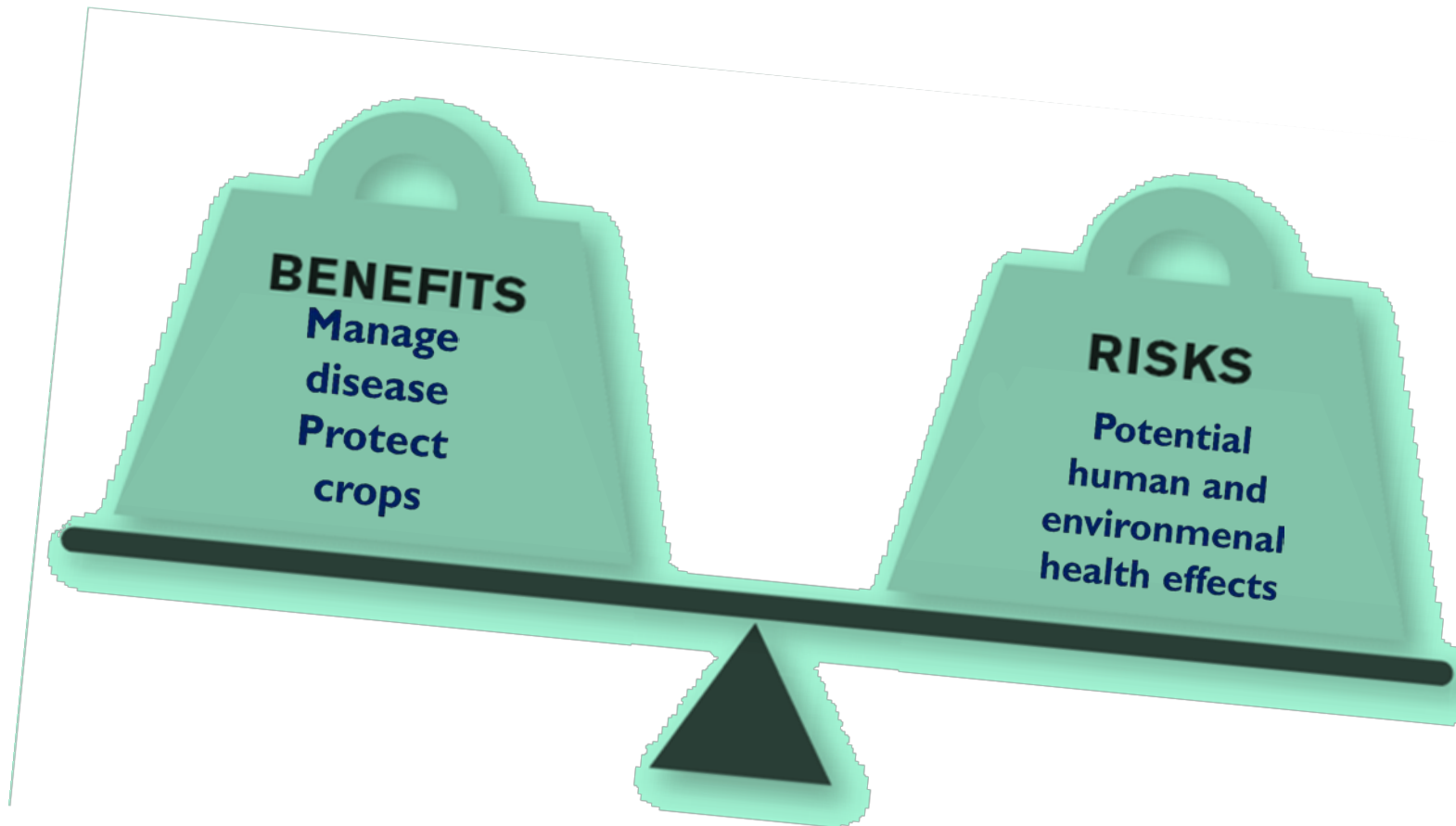


WHAT IS A PESTICIDE?

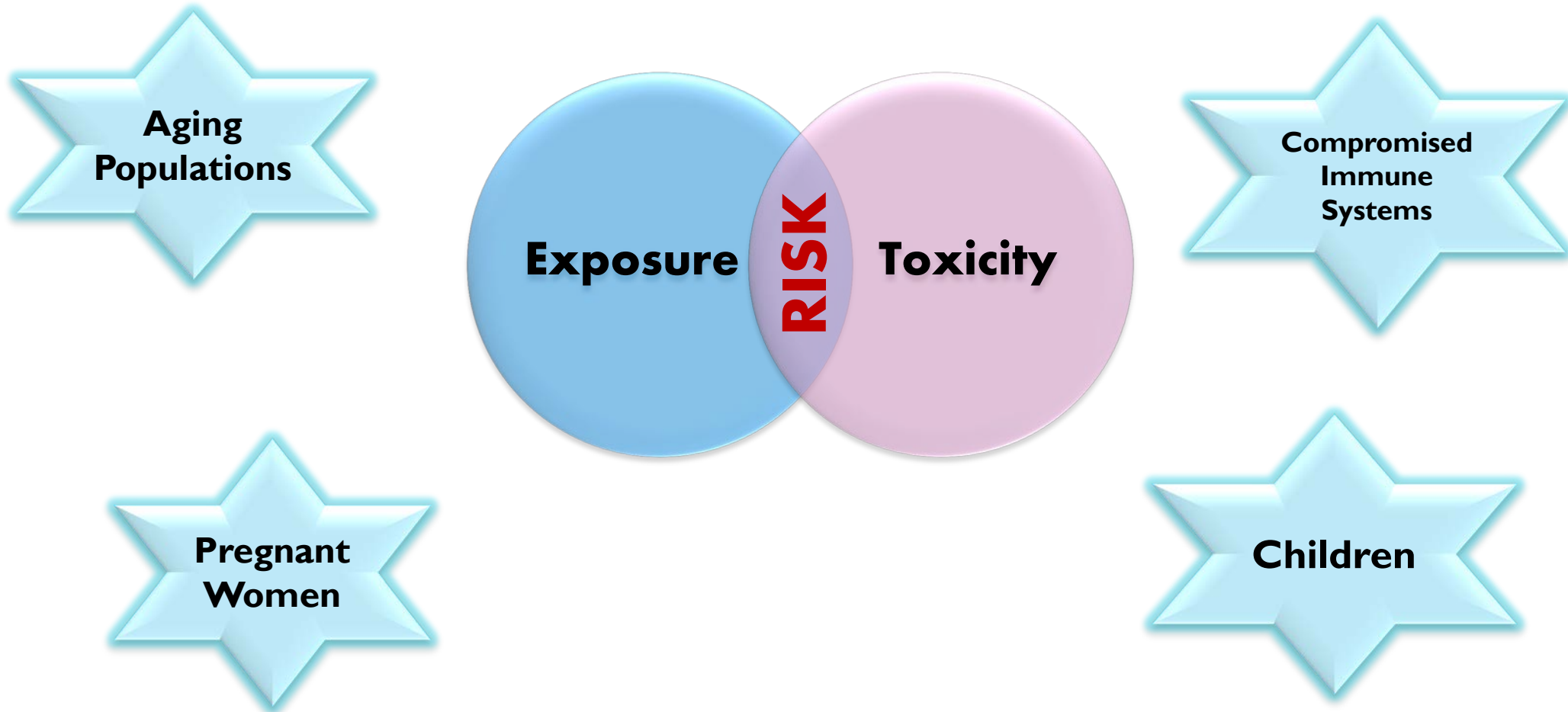


- A pesticide is any substance "intended for preventing, destroying, repelling, or mitigating any pest...."

PESTICIDE USE



Pesticide Risk



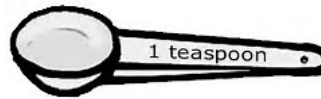
THE PESTICIDE LABEL



KEEP OUT OF REACH OF CHILDREN
DANGER  **PELIGRO**
POISON **VENENO**

KEEP OUT OF REACH OF CHILDREN
DANGER – PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)



Keep Out of Reach of Children

WARNING

AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)



KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID



Any substance - whether it is a pesticide or household cleaning product or over-the-counter medication, can be dangerous if not used correctly!

PESTICIDE SAFETY



Protect Your Health Read the Label

MOSQUITO REPELLENT

SIGNAL WORDS
How toxic is the product?
Caution = mildly toxic
Warning = moderately toxic
Danger = highly toxic

Top three pesticide safety tips
1) Read the entire label
2) Only apply where the label says it should be applied
3) Keep all pesticides in their original containers

KEEP OUT OF REACH OF CHILDREN
WARNING: Read caution on back.
Active ingredient: DEET 7.8%
Other ingredients: 92.2%

Directions for Use
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

NOTICE: To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with directions.

STORAGE AND DISPOSAL
Storage: Store in a cool, dry place. **Out of reach of children.**
Container Disposal: If empty: _____
If partly filled: _____

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals.
First Aid, If in Eyes: _____
If Swallowed: Call a Poison Control Center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a Poison Control Center or doctor.
IF YOU SUSPECT A REACTION TO THIS PRODUCT: Discontinue use. Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.

QUESTIONS: For non-emergency information concerning this product, call the National Pesticide Information Center (NPIIC) at 1-800-858-7378. For emergencies, call the Poison Control Center 1-800-222-1222. Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.

EPA Reg. No. XXX-XX-XX

POISON HELP
1-800-222-1222
If someone breathes in, swallows, or gets pesticide in the eyes or on the skin.

ACUTE TOXICITY
What is in the product?

DIRECTIONS FOR USE
How and where should I use the product? How much is okay?
Not following the product's instructions is not only dangerous, but it is illegal!

PRECAUTIONARY STATEMENTS
How can the product be used safely?

STORAGE AND DISPOSAL
How do I have to store it? How do I dispose of leftovers?

QUESTIONS
What should I do if it gets in my eyes, mouth, lungs, or on my skin?

EPA REGISTRATION NUMBER
What is the number shown on the label? What is the number shown on the EPA label?

0.858-7378
For more information, call 1-800-858-7378.
NPIIC
National Pesticide Information Center
1-800-858-7378
www.npiic.org

PESTICIDE SAFETY



1.800.858.7378

8:00 am to 12:00pm PT

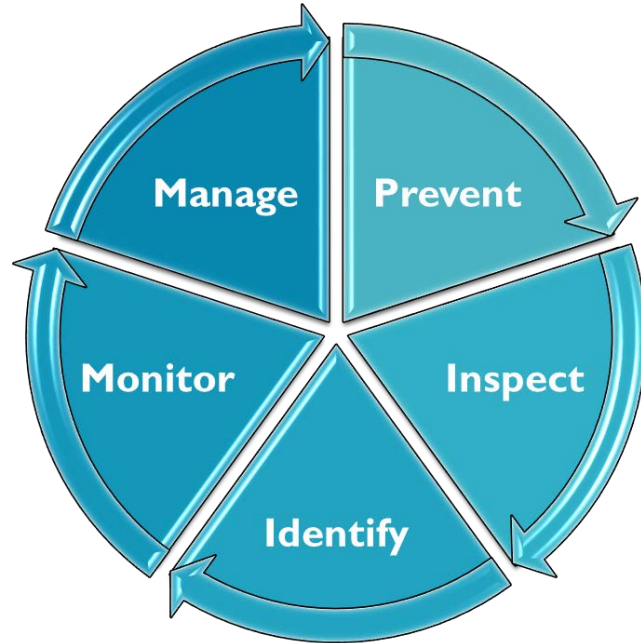
Monday - Friday

Or visit us anytime on the web at

npic.orst.edu



Integrated Pest Management Plan




GAP AND IPM

EPA'S ROLE IN VBD RESPONSE

Tire/Trash Cleanup



Provide Pest Management Tools

- Support 
- Factsheets for Registered Products
- Insect Repellent Search Tool

Active ingredient

Higher percentages of active ingredient provide longer protection

DEET

Picaridin (known as KBR 3023 and icaridin outside the US)

IR3535

Oil of lemon eucalyptus (OLE)

Para-menthane-diol (PMD)

2-undecanone



Find the insect repellent that's right for you by using [EPA's search tool*](#).

* The EPA's search tool is available at: www.epa.gov/insect-repellents/find-insect-repellent-right-you

How much time will you need to be protected from biting insects? ⓘ

Any ▼

Do you need protection from mosquitoes, ticks or both ?

Mosquitoes and ticks ▼



All products work against mosquitoes, and not all against ticks.

You can refine your search by specifying one or more of the following options:

Which product are you interested in?

You can leave blank to get a list of all products which fall under your criteria

Are you interested in a particular [active ingredient](#)?

All Ingredients ▼

<https://www.epa.gov/insect-repellents/find-insect-repellent-right-you#search> tool



Product Name	Hourly Protection Time for Mosquitoes	Hourly Protection Time for Ticks	Active Ingredient(AI)	AI% in Product Formula	Company Name	EPA Registration Number
Bug Block Sunscreen and Insect Repellent (SPF)	1	1	Citronella	4.2	W.F. Young Ince	1543-14
Natrapel Sun	1	1	Citronella	4.2	Tender Corp.	1543-14-56575
Insect Repellent 1994 DJDS	2	X	DEET	5	S.C. Johnson & Son, Inc.	4822-417
Avon SSS Skin-So-Soft Bug Guard Plus IR3535 Insect Repellent SPF 30 Moisturizing Sunblock Lotion Cool 'N Fabulous	2	2	IR3535	7.5	Avon Products, Inc.	806-14
Avon SSS Skin-So-Soft Bug Guard Plus IR3535 Insect Repellent SPF 30 Sunscreen Very Water Resistant With Vitamin E & Aloe Disappearing Color Cool N Fabulous	2	2	IR3535	7.5	Avon Products, Inc.	806-14

Name	Company	Active Ingredient	Percent	Hourly Protection Time for Mosquitoes	Hourly Protection Time for Ticks	EPA Registration Number
Avon SSS Skin-So-Soft Bug Guard Plus IR3535 Insect Repellent SPF 30 Sunscreen Very Water Resistant With Vitamin E & Aloe Disappearing Color Cool N Fabulous	Avon Products, Inc.	IR3535	7.5	2	2	806-14
BUGX Insect Repellent Towelette	Coretex Products, Inc.	DEET	55	8	5	305-29-74289
Bug Repell IR3535 10% Lotion	EMD Millipore Corporation	IR3535	10	8	8	70759-2
Ben's 100 Insect Repellent	Tender Corp.	DEET	98.11	10	10	56575-7
Bug and Tick Repellent	Clean Control Corp.	Picaridin	20	12	12	66243-4




Browser address bar: <https://www.epa.gov/managing-pests-schools>

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Convert Select

Regulations.gov - Notice ... DigitalGov - YouTube California Department of P... CalEPA Agencywide Staff D...


About Integrated Pest Management in Schools



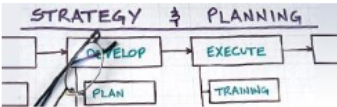
Information
Information, or insti
data, facts, obtained fro

- [Introduction to integrated pest management \(IPM\)](#)
- [EPA's approach for school IPM](#)
- [School IPM blogs and articles](#)
- Contacts: [Center for IPM](#) and [Regional Offices](#)

Pests of Concern in Schools



Establishing Integrated Pest Management Programs




STRATEGY & PLANNING

PLAN DEVELOP EXECUTE TRAINING

- [Information for participants](#)
- [Tips to increase the effectiveness of an IPM program](#)
- [IPM tools: resources to support IPM implementation](#)
- [School IPM grants](#)

IPM Training and Certification




Related information

- [On-Demand IPM Webinars Available](#)
- [School IPM Program Bid and Contract Guidance](#)
- [Join the School IPM Listserv](#)
- [Healthy Schools](#)
- [Learn More About Pesticides](#)

Spotlight Resource

Effective IPM is achievable. Review this snapshot of strategies you can implement in your school.



EPA RESOURCES:

PAST WEBINARS

Previous Webinars

Follow these links for more information on these previous webinars. Note that recordings of these webinars are included, when available.

Getting Started: IPM 101

- [**Webinar Video Available:** Plan Your Work and Work Your Plan: Learn How to Develop a Comprehensive IPM Program](#)
- [**Webinar Video Available:** Pests of Public Health Importance and the Role of Integrated Pest Management in Schools](#)
- [Back-To-School with IPM](#)
- [Writing an IPM Policy for Your School District](#)
- [The Basics of School IPM](#)

Resources and Guidance

- [More Than Just a Firm Handshake: Bid and Contract Guidance for Securing IPM-Based Services for Schools](#)
- [Stop School Pests and iPestManager - School IPM Educational Programs](#)
- [Pest Prevention by Design in Schools](#)
- [How to Conduct a Pest Assessment at Your School](#)

Bed Bugs and Lice

- [**Webinar Video Available:** Which Came First? The Bed or the Bug?](#)
- [Bed Bugs in Schools](#)
- [Managing Head Lice in Schools](#)
- [Bed Bugs in Schools](#)

Cockroaches

- [**Webinar Video Available:** Cockroaches in Your School...You Rare](#)

Ants and Termites

- [Termite Mitigation in Schools - A Holistic Approach](#)
- [Ants - The #1 Pest in Schools](#)

Ticks

- [Creating Tick Safe Schools Using IPM](#)

PAST WEBINARS

Mosquitos and Wasps

- **[Webinar Video Available:](#)** [InterSTING IPM Webinar Topic: Controlling Yellow Jackets and Wasps](#)
- [Protecting Students from Mosquitoes and Zika Virus at School](#)
- [Keeping Your School Free of Stinging Insects](#)
- [School Community Mosquito IPM](#)

Vertebrate and Flying Pests

- **[Webinar Video Available:](#)** [Pest Control Should Not Drive You Batty: How to Manage Bats Effectively](#)
- [Vertebrate Turf Pests on School Grounds](#)
- [Contending with Vertebrate Pests Around Schools](#)
- [Keeping Rodents Out of Your School](#)
- [Dealing with Nuisance Birds around Schools](#)

Site-Specific Places Call for Specific Action

- **[Webinar Video Available:](#)**[Weeds: Nature's Graffiti - How IPM Can Fix That](#)
- **[Webinar Video Available:](#)** [Feed the Kids, Not the Pests: Effective IPM for Cafeterias and Kitchens](#)
- [IPM for Turf on School Grounds](#)

PAST
WEBINARS

RESOURCES

School IPM Webinars

<https://www.epa.gov/managing-pests-schools/webinars-about-integrated-pest-management-schools>

National Pesticide Information Center

<http://npic.orst.edu>

EPA Fact Sheets for Mosquito Control

<https://www.epa.gov/mosquitocontrol>

State Contacts for Mosquito/Vector Control


<http://npic.orst.edu/vecmlr.html>

The University of Arizona Urban IPM– Arizona Cooperative Extension

<http://ag.arizona.edu/urbanipm/>

University of California Statewide IPM Program

<http://ipm.ucanr.edu/>

A grayscale photograph of a hand holding a white rectangular card. The card is held between the thumb and the index, middle, and ring fingers. The background is dark. The card contains contact information for Fabiola Estrada, MS.

Fabiola Estrada, MS
Project Officer
R9 School IPM Coordinator
Estrada.Fabiola@epa.gov
(213) 244-1803