

**School District Integrated Pest Management Plan**  
**Madera Unified School District**

**Contacts**

Madera Unified School District	1205 Madera Avenue, Madera CA 93637	
School District Name	Address	
Curtis Manganaan	559-675-4534	curtismanganaan@maderausd.org
District IPM Coordinator	IPM Coordinator's Phone Number	Email Address

**IPM statement**

It is the goal of Madera Unified School District to implement IPM by focusing on long-term prevention or suppression of pests through accurate pest identification, by frequent monitoring for pest presence, by applying appropriate action levels, and by making the habitat less conducive to pests using sanitation and mechanical and physical controls. Pesticides that are effective will be used in a manner that minimizes risks to people, property, and the environment, and only after other options have been shown ineffective.

Our pest management objectives are to:

Focus on long term pest prevention and weed abatement

**IPM team**

In addition to the IPM Coordinator, other individuals who are involved in purchasing, making IPM decisions, applying pesticides, and complying with the Healthy Schools Act requirements, include:

Name and/or Title	Role in IPM program
Curtis Manganaan, Director of M&O	Monitor IPM Program For Compliance
Adan Ochoa, Groundsperson Lead	Coordinate/Schedule/Monitor Herbicide/Pesticide Applying
Robert Baez, Lead Groundsperson Lead	Pest Identification and Monitoring, Treatment
District Groundsmen	Herbicide Applications

**Pest management contracting**

- ☒ Pest management services are contracted to a licensed pest control business.  
Pest Control Business name(s): Castech Pest Service 559.233.2847
- ☒ Prior to entering into a contract, the school district has confirmed that the pest control business understands the training requirement and other requirements of the Healthy Schools Act.

**Pest identification, monitoring and inspection**

Pest Identification is done by: Adan Ochoa, Robert Baez, Groundspersons and school site Head Custodians

Monitoring and inspecting for pests and conditions that lead to pest problems are done regularly by Robert Baez and results are communicated to the IPM Coordinator.

**Specific information about monitoring and inspecting for pests, such as locations, times, or techniques include:**

- Monitoring for vertebrate pest debris by custodians in all work areas, utilizing sticky monitoring boards for vertebrate and non-vertebrate pest activity. These are checked by custodians and results communicated to the IPM Coordinator.
- Monitoring of gopher and other vertebrate mounds in playgrounds, athletic fields, and other landscaped areas. These results are communicated to the IPM Coordinator.
- Monitoring buildings for bee, wasp and hornet activity by the site custodians. Any activity is reported to the IPM Coordinator.

If non-chemical methods are ineffective, Madera Unified School District will consider pesticides only after careful monitoring indicates that they are needed according to pre-established action levels and will use pesticides that pose the least possible hazard and are effective in a manner that minimizes risks to people, property and the environment.

**Pests and non-chemical management practices**

This school district has identified the following pests and routinely uses the following non-chemical practices to prevent pests from reaching the action level:

Pest	Remove food	Fix leaks	Seal crack	Install barriers	Physical removal	Traps	Manage irrigation	Other
Cockroaches	x	x	x	x	<input type="checkbox"/>	x	<input type="checkbox"/>	
Squirrels	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Co2 Ground Injection
Gophers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Co2 Ground injection
Ants	X	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spray or Bait
Rats/Mice	X	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	
Bees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	Professional Service

**Chemical pest management practices**

If non-chemical methods are ineffective, the school district will consider pesticides only after careful monitoring indicates that they are needed according to pre-established action levels and will use pesticides that pose the least possible hazard and are effective in a manner that minimizes risks to people, property and the environment.

This school district expects the following pesticides (pesticide products and active ingredients) to be applied during the year. (This list includes pesticides that will be applied by school district staff or licensed pest control businesses).

See last sheet

**Healthy Schools Act**

X This school district complies with the notification, posting, recordkeeping, and all other requirements of the Healthy Schools Act. (Education Code Sections 17608 - 17613, 48980.3; Food & Agricultural Code Sections 13180 - 13188)

**Training**

Every year school district employees who make pesticide applications receive the following training prior to pesticide use:

- X Pesticide specific safety training (Title 3 California Code of Regulations 6724)
- X School IPM training course approved by the Department of Pesticide Regulation (Education Code Section 16714; Food & Agricultural Code Section 13186.5).

**Submittal of pesticide use reports**

- ☒ Reports of all pesticides applied by school district staff during the calendar year, except pesticides exempt<sup>1</sup> from HSA recordkeeping, are submitted to the Department of Pesticide Regulation at least annually, by January 30 of the following year, using the form provided at [www.cdpr.ca.gov/schoolipm](http://www.cdpr.ca.gov/schoolipm). (Education Code Section 16711). Reporting will be done by Robert Baez.

**Notification**

This school district has made this IPM plan publicly available by the following methods (check at least one):

- ☒ This IPM plan can be found online at the following web address: <https://www.madera.k12.ca.us/Page/6561>
- ☒ This IPM plan is sent out to all parents, guardians and staff annually in the school handbook.

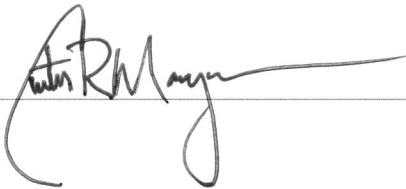
**Review**

- ☒ This IPM plan will be reviewed (and revised, if needed) at least annually to ensure that the information provided is still true and correct.

Date of next review: July 1, 2023

*I acknowledge that I have reviewed this school district's IPM Plan and it is true and correct.*

Signature: \_\_\_\_\_



Date: \_\_\_\_\_

July 1, 2022

# School District Integrated Vector Management Plan (Madera County)

## Integrated Vector Management (IVM) Definition

Integrated Vector Management (IVM) is a rational decision-making process to optimize the use of resources for vector control. The aim of the IVM approach is to contribute to the achievement of targets set for vector-borne disease control by making vector control efficient, cost effective, ecologically sound, and sustainable.

### IVM Statement:

It is the goal of: Madera Unified School District to implement IVM by focusing on long-term prevention or suppression of vectors under the guidance of Madera County Mosquito & Vector Control District. Vector control will be achieved through accurate vector monitoring and identification, applying appropriate action levels, and making habitats less conducive to vectors. Source reduction and source mitigation control are the preferred methods of vector control. Pesticides that are effective will be used in a manner that minimizes risks to people, property, and the environment, and only after source reduction/mitigation methods have been shown ineffective, or in case of a public health emergency.

## Vector Management Public Services

The Madera County Mosquito & Vector Control District is required to uphold the California Health and Safety Codes that determine what are public nuisances and to exercise the authority granted to them to abate identified public nuisances.

## Vector inspecting, monitoring, and identification

Facilities are inspected by school district maintenance personnel on a weekly basis for stagnant water. The Madera County Mosquito & Vector Control District should inspect school premises monthly and provide assistance with vector monitoring, identification, and presence notifications.

## Vectors and non-chemical management practices

Three mosquito species considered disease vectors are known to occur in this area: *Aedes aegypti*, *Culex tarsalis*, and *Culex quinquefasciatus*. Mosquito populations will be managed using the following non-chemical practices to prevent vectors from reaching the action level:

Vector	Remove Standing Water/Larval Habitats	Fix Leaks	Install Barriers	Manage Irrigation	Drain Modification
Mosquitoes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Drain Modification

Corrugated pipes, flat drains, or any other drains holding water that are open to the air should be modified by installing barriers using techniques developed by the Madera County Mosquito & Vector Control District to prevent mosquitoes from entering, exiting, or breeding in the drainage system. Drains that have been modified for the purpose of excluding mosquitoes will be maintained to ensure proper function by school district maintenance personnel.

# NOTIFICATION OF PLANNED PESTICIDE USE

Assembly Bill 2260 (Healthy Schools Act of 2000), which became effective on January 1, 2001, reduces children's exposure to toxic pesticides through information and integrated pest management. For the 2016-17 school year, Madera Unified School District may apply the following pest management products as necessity dictates.

Product	Active Ingredient	EPA #	Purpose
Advance Granular Ant Bait	Abamectin B1 0.011%	499-370	Ants
Advion Ant Gel	Indoxacarb 0.05 %	100-1498	Ants
Advion Cockroach Gel Bait	Indoxacarb 0.06 %	100-1484	Cockroaches
Alpine WSG	Dinotefuran 40.0 %	499-561	Insects
Demand CS	Lambda-cyhalothrin 9.7 %	100-1066	Insects
Fastrac All-Weather Blox	Bromethalin 0.01 %	12455-95	Rodents
Finale	Glufosinate-ammonium-11.33%	432-1229	Weeds
Freehand 1.75 G CA	Dimethenamid-P .75 %...pendimethalin-1.0%	7969-358	Weeds
Fusillade II	Fluazifop-P-butyl(phenoxy propanoate)-24.5%	100-1084	Weeds
JT Eaton Answer for pocket gophers	Diphacinone .005 %	56-57	Gophers
Nyguard IGR Concentrate	2-[1-Menthyl- 2-(4-phenoxyphenoxy)ethoxy]pyridine 10.0 %	1021-1603	Insects
Onslaught FastCap	Esfenvalerate-6.40 %..Prallethrin-1.60 %..Piperonyl butoxide-8.00 %	1021-2574	Insects
Magnify Activator	Alkyl polyglycoside,Ammonium sulfate and Ammonium Nitrate 51.15 %	17545-50018	Weeds
Pendulum Aqua Cap	Pendimethalin - 39.7 %	241-416	Weeds
Round Up Pro Max	Glyphosate 48.7 %	524-579	Weeds
Speed Zone Southern	Carfentrazone-ethyl-0.54%.. 2,4-D,ethylhexyl-10.49 %..mecoprop-2.66 %	2217-835	Weeds
Surflan AS	Oryzalin 40.4 %	70506-44	Weeds
Suspend SC	Deltamethrin - 4.75 %	432-763	Insects
Target Pro-Spreader Activator	Alkyl phenol ethoxylate,Isopropanol,and Fatty Acids 90 %	1050775-50022-AA	Weeds
Termidor SC	Fipronil - 9.1 %	7969-210	Insects
Vendetta Plus Gel Bait	Abamectin B1- 0.05 %...Pyriproxyfen - 0.50 %	1021-2593	Cockroaches
Wasp Freeze	d - trans Allethrin-0.129... Phenothrin- 0.120 %	499-362	Insects
Wilco Gopher Getter Bait Type 2	Diphacinone .005 %	36029-23	Gophers
Wilco Squirrel Bait	Diphacinone .005 %	36029-17	Squirrel

Additional information on pest management products is available on the California Department of Pesticide Regulation's website [www.cdpr.ca.gov](http://www.cdpr.ca.gov). Madera Unified School District has adopted an Integrated Pest Management program (IPM) that requires pest management action only when necessary and with the least-hazardous method. Additional information regarding the MUSD IPM program can be found on Madera Unified School website <http://www.madera.k12.ca.us/Page/8751>.

Applicators receive annual safety training, strictly follow the U.S. EPA label instructions and only apply pesticides when they are necessary. The District will make every effort to apply pesticides when students are NOT present, but reserves the right to spray within the Laws of the State anytime it deems safe, using the utmost care while students are present. To register with the District to receive notification of individual pest management product applications at a specific school site, contact school for notification request. Registrants will be notified of individual applications at least 72 hours in advance.

If you have any questions, please contact Curtis Manganaan, Director of Maintenance and Operations at (559) 675-4534.