

Merced Union High School District INTEGRATED PEST MANAGEMENT PLAN

Contacts

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IPM Statement

It is the goal of Merced Union High 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.

Pest Management Objectives:

- Focus on long-term pest prevention using minimal pesticides.
- Elimination of significant threats caused by pests to the health and safety of students, staff and the public.
- Prevention of loss or damage to structures or property by pests.
- Protection of environmental quality inside and outside buildings, in playgrounds and athletic areas, and throughout the Merced Union High School District facilities.

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	Role
Groundskeepers	Applying Pesticides, Recordkeeping, and Making IPM Decisions
Maintenance Workers	Applying Pesticides, Recordkeeping, and Making IPM Decisions
Custodians	Applying Pesticides, Recordkeeping, and Making IPM Decisions
Jason Perez	Applying Pesticides, Recordkeeping, and Making IPM Decisions

Pest Management Contracting

Pest management services are contracted to a licensed pest control business, as needed.

Pest Control Business name(s): Merced Pest Control

Prior to entering into a contract, Merced Union High School District has confirmed that the pest control business understands the training requirement and other requirements of the Healthy Schools Act.

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Pest Identification, Monitoring and Inspection

Pest identification is done by: Derek Daley

Monitoring and inspecting for pests and conditions that lead to pest problems are done regularly by the Custodians and Groundskeepers. The 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 wasp and hornet activity by the site custodians. Any activity is reported to the IPM Coordinator.

Pests and Non-Chemical Management Practices

Merced Union High 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 cracks	Install barriers	Physical removal	Traps	Manage irrigation	Other
Ants	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Wasps and Hornets	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other Insects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Weeds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Gophers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rats and Mice	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Squirrels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

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Chemical Pest Management Practices

If non-chemical methods are ineffective, Merced Union High 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.

Merced Union High 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 Merced Union High School District staff or licensed pest control businesses.):

Pesticide Name	US EPA ID Number	Active Ingredient
Avert Cockroach Bait	499-467	Iodosulfuron-methyl-sodium
Bayer Celsius WG Herbicide	432-157	Thiencarbazone, Iodosulfuron-methyl-sodium, Dicamba
Bayer Corp Pesticide	3125-300	Disulfuton, Fensulfothion
Bayer Tempo 20WP Insecticide	3125-380	β-Cyfluthrin, cyano(4-fluoro-3- phenoxyphenyl)methyl 3-(2,2- dichloroethenyl)- 2,2-dimethylcyclo-propanecarboxylate
Bengal Wasp and Hornet Killer	68543-8	Lambda-cyhalothrin, Prallethrin
Tempo SC	432-1363	β-Cyfluthrin, cyano(4-fluoro-3- phenoxyphenyl)methyl 3-(2,2- dichloroethenyl)- 2,2-dimethylcyclo-propanecarboxylate
Dual Choice 360A Whitmire-Microgen	499-496	Abamectin B1
Raid Ant and Roach Killer 17-Lavendar Scent	4822-447	Fipronil
Raid Wasp and Hornet Killer	4822-553	Lambda-cyhalothrin, Prallethrin
Ranger Pro	524-517	Glyphosate
Round up Pro	524-475	Glyphosate
Roundup Pro Max	524-579	Glyphosate
Spectracide Wasp and Hornet Killer	9688-190	Prallethin/lambda Cyhalothin
Speedzone	2217-835	2,4-D, Z-ethylhexylester 10.49%
Systemic Rose Care with Insecticide	432-1286	Tebuconazole, Imadoclopid
Tempo Ultra	432-1304	β-Cyfluthrin, cyano(4-fluoro-3- phenoxyphenyl)methyl 3-(2,2- dichloroethenyl)- 2,2-dimethylcyclo-propanecarboxylate
Hasten	2935-50160	Ethyl oleate
Revolver	432-1266	Foramsulfuron
Catchmaster Glue Traps	91557-NJ-001	Exempt
Roach Motel Glue Traps	74785-CHN-1	Exempt
Gophertox	4-285	Zinc Phosphide

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Amdro Mole and Gopher Bait	12455-30-73342	Zinc Phosphide
Green Thumb Roach Ant & Spider Killer	9688-320	Bioallethrin, N-Octyl bicycloheptene dicarboximide, Permethrin
Green Thumb Wasp & Hornet Killer	9688-233	Cypermethrin, Prallethrin
Ultra-Kill Wasp & Hornet Killer	9688-190	Prallethrin, Lambda Cyhalorhrin
Nygard IGR	1021-1603	2-[1-Methyl-2-(4-phenoxyphenoxy) ethoxy] pyridine
Temprid FX	432-1544	Imidacloprid 1{(6-Chloro-3-Pyridinyl)methyl}-N-nitro-2-imidazolidinimine 21% β-Cyfluthrin, cyano(4-fluoro-3-phenoxyphenyl)mehtyl 3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate 10.5%

Healthy Schools Act

Merced Union High 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, Merced Union High School District employees who make pesticide applications receive the following training prior to pesticide use:

- Pesticide specific safety training (Title 3 California Code of Regulations 6724) and
- School IPM training course approved by the Department of Pesticide Regulation (Education Code Section 16714; Food & Agricultural Code Section 13186.5) and located at: <http://apps.cdpr.ca.gov/schoolipm/training/main.cfm> .

Submittal of Pesticide Use Reports

Reports of all pesticides applied by Merced Union High School District staff during the calendar year, except pesticides exempt¹ 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 . (Education Code Section 16711)

Notification

Merced Union High School District has made this IPM plan publicly available by the following methods:

- This IPM plan can be found online at the following web address: www.muhsd.org

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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 2024

I acknowledge that I have reviewed Merced Union High School District IPM Plan and it is true and correct.

Derek Daley
IPM Coordinator

July 9, 2023
Date

¹These pesticides are exempt from all Healthy Schools Act requirements, except the training requirement: 1) products used in self-contained baits or traps, 2) gels or pastes used as crack and crevice treatments, 3) antimicrobials, and 4) pesticides exempt from U.S. EPA registration. (Education Code Section 17610.5)