

Marinwood Community Services District Integrated Pest Management Policy

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Definition and Purpose

The Marinwood Community Service District (CSD) is committed to safeguarding its grounds, creek and other property that enhance the quality of life for its residents.

The Integrated Pest Management (IPM) policy is a guiding document of Marinwood CSD management of grounds, creek and other property.

The purpose of this IPM policy is to clearly define Marinwood CSD pest management strategy: scope, priorities and means by which these priorities may be realized.

Scope

This policy governs not only employees of Marinwood CSD, but also all contractors hired by the District and persons acting under the authority or on behalf of the District in the care and maintenance of parks, landscaped areas, medians, open space, and other district property. The Marinwood CSD IPM policy applies to rodenticides, insecticides, herbicides, algaecides, and fungicides used on lands within the district's purview.

Priorities

No non-exempt herbicide applications shall be permitted within District playgrounds, picnic table areas or turf areas.

The District is fully committed to the use of pesticide alternatives whenever practicable. Currently, Marinwood CSD utilizes mulch materials as a first line of defense against the proliferation of weeds and explores the feasibility and effectiveness of using alternative herbicides such as FIFRA exempt products (herbicides exempted from regulation by the Federal Insecticide, Fungicide, and Rodenticide Act), especially in parks, picnic areas, and other areas with high pedestrian interface. These exempt herbicides are usually also approved for organic food production by the National Organic Program (NOP). Herbicides shall be used only after all other non-pesticide means of weed control have been utilized or have been determined to be not feasible in a particular application due to site factors, ability of staff to provide a particular function or service, or other pertinent factors.

Pesticides shall be selected based on the following criteria:

- Least disruptive of the ecosystem
- Least toxic to non-target organisms
- Least damaging to the general environment
- Least hazardous to human health
- Most cost efficient in the short and long term

Prevention shall constitute the first line of defense from rodent infestation. In case of already existing rodent issue, traps shall be implemented. If traps prove to be ineffective in containment efforts, only first generation type rodenticides may be utilized, following this policy of public notification. First generation type rodenticides limit toxicity in the food chain and prevent secondary harm. Attachment A includes the specific product list allowed to be used on CSD premises. No second generation rodenticides are to be used on Marinwood CSD property.

The Parks & Recreation Department shall strive to keep informed about new developments in pesticide alternatives and implement them whenever possible.

Integrated Pest Management Coordinator

The Parks & Recreation Director shall be designated as the IPM Coordinator and be responsible for implementing the IPM policy; communicating with staff and contractors, ensuring proper employee training, ensuring the application is recorded and documentation available for public review.

Only individuals specifically designated by the IPM Coordinator as Pesticide Applicators shall be permitted to apply pesticides in parks, landscaped areas, medians and open space. Applicators shall possess a Qualified Applicator License or Qualified Applicator Certificate issued by the California Department of Pesticide Regulation.

The IPM Coordinator will need to obtain an Operator ID number from the Marin County Agricultural Commissioner's office. Marinwood CSD shall contract with a Pest Control Advisor (PCA) for written pesticide use recommendations to be submitted to the County Agricultural Commissioner's office annually. The IPM Coordinator will also be required to submit monthly use report forms to the Agricultural Commissioner's office.

Education and Training of Staff

Education and training of personnel is critical to the success of this IPM policy. Employees involved in the maintenance of the Marinwood CSD property and with the purchase, storage, handling, and application of pesticides shall receive all the mandated, necessary, and reasonable training required to perform such work in an efficient and safe manner. Continuing Education Unit (CEU) training in IPM and training in the use of non-chemical methods of pest control are important to a successful program. In addition to formal training, Marinwood CSD shall provide "Safe Handlers" training to all staff assisting in the application, storage or handling of pesticides or pesticide-related equipment. To the greatest extent practicable, the IPM Coordinator will ensure that all contractors hired to perform IPM related work on District's behalf have received appropriate education and training.

Procedures:

Procurement and storage

Pesticide purchases should be limited to the amount expected to be used for a specific application or during the year. Pesticides will be stored and disposed of in accordance with label directions and state and federal regulations. Pesticides must be stored in an appropriate, secured location not accessible to residents or unauthorized personnel.

Identification of Specific Pest Thresholds

A completely weed free environment is not a goal to which the Marinwood CSD shall aspire, neither is it feasible given Park Department staffing levels. The goal is to preserve the function and reasonable aesthetic appearance of public areas and facilities.

Routine inspection and accurate identification of pests are needed to recognize potential problems and determine when action should be taken. An “action threshold” should be determined by the IPM Coordinator, reflecting the pest control objective for each site. As pest management objectives will differ from site to site (e.g. landscape maintenance vs. pest control in buildings), differences should be considered before setting an action threshold.

Notification of Pesticide Applications

The Parks Department shall notify the public of non-exempt pesticide application at affected locations. A public notice will be placed at the treated area 24 hours ahead of application and will remain for 24 hours after application as required by law. Notification locations shall be those places where there is a high level of public contact with the treated area. Notification shall be accomplished by posted signs at reasonable entry point locations. Notices shall include the product name, EPA registration number (if applicable), and contact phone number for more information. Notices shall be posted prior to pesticide application and shall remain in place for at least 24 hours. FIFRA Exempt, NOP approved, or other such non-toxic or botanical pesticides shall be exempt from these notification requirements. A copy of the notice has been included as “EXHIBIT B”.

Record keeping of Pesticide Application

Application records shall include at least the following information: site of application, date of application, target pest, name of the product and active ingredient of the pesticide(s) applied and EPA registration number (if applicable), amount of product applied, and the pesticide signal word.

The IPM Coordinator shall be responsible for maintaining records of all pesticide applications on Marinwood CSD property, whether performed by the District staff, by contractors, or persons authorized to apply pesticides on behalf of the District. These records shall be kept for a period of four (4) years, and available to the public upon request.

Public access to policy, location and updates

The Marinwood CSD is fully committed to providing all pertinent information to the public in a timely, comprehensive, and understandable manner.

This IPM policy will be stored in the office of the IPM Coordinator. The Park and Recreation Commission is responsible for periodically reviewing the policy and suggesting updates to the Board of Directors.

Exemptions

An exemption to this pesticide policy will be made in order to control the proliferation of biting or stinging insects such as yellow jackets, wasps, mosquitoes, and other similar pests. Generally, the control of these insects is administered by the Marin-Sonoma Mosquito and Vector Control District. In addition, the Marinwood CSD will exempt any governmental entity from the provisions of this policy whose authority pre-empts that of the District.

Approved Pesticides

After lengthy deliberations, the Marinwood CSD Park and Recreation Commission decided to adopt the San Francisco 2015 Reduced Risk Pesticide List for use on District's premises. The list can be found on <http://sfenvironment.org/download/san-francisco-2015-reduced-risk-pesticide-list-final-draft>. A version specific to Marinwood is included as "EXHIBIT A".

EXHIBIT A

Approved Pesticide List

Material	Active Ingredient	Signal Word	EPA Registration #	Primary Use
Herbicides				
Fusilade II	Fluazifop-P-butyl	Caution	100-1084	Control Bermudagrass in Landscape
Roundup Custom	Glyphosate, SF	Caution	524-343	Landscape and Aquatic Weeds
Liberate	lecithin, alcohol ethoxylate	Caution	CA 34704-50030-AA	Organic Surfactant for Roundup Custom
Nufarm Polaris Herbicide	Imazapyr, - Isopropylamine salt, 28%	Caution	228-534	Invasive Weeds in Natural Areas
Snapshot 2.5 TG	trifluralin 2.0% isoxaben 0.5%	Caution	62719-175	Selective Preemergence Herbicide for Control of Broadleaf Weeds and Grasses
Insecticides				
Sluggo	Iron Phosphate, SF, EW, OW	Caution	67702-3	Snail and Slug Bait in Landscape
Safer Fruit & Vegetable Insect Killer	Potassium Salts of Fatty Acids, Ethyl Alcohol, SF, OW	Caution	36488-36-ZD-42697	Insecticide
Advion Ant Bait				
Arena	Indoxacarb 0.1%	Caution	352-664	Insecticide for Ant Control
Advion Ant Gel	Indoxacarb 0.05%	Caution	352-746	Insecticide for Ant Control
Advion Cockroach Bait	Indoxacarb 0.5%	Caution	352-668	Insecticide for Cockroach Control
Advion Cockroach Gel	Indoxacarb 0.6%	Caution	352-652	Insecticide for Cockroach Control
Terro Ant Killer II Liquid Ant Baits,				
Terro-PCO Liquid Ant Bait	Sodium tetraborate dehydrate 5.4%	Caution	149-8	Insecticide for Ant Control
Fungicides				
Agri-fos	Phosphorous Acid, SF	Caution	71962-1	SOD Treatment - Not for Wild Land Trees
Pentra-bark	Polyethylene Glycol, SF	Caution	83416-50001	Surfactant for Agri-Fos only
Rodenticides				
JT Eaton Bait Block with Peanut Butter				Rat control only in situations with high public health concerns where trapping is infeasible
Flavorizer	Diphacinone 0.005%	Caution	56-42	

EXHIBIT B

Notice of Pesticide Application

See attached