

EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: August 5, 2026

SUBJECT: Annual Integrated Pest Management Program Update: 2025

SUMMARY

Since the mid-1990s, the District has been implementing an Integrated Pest Management (IPM) program to address a broad range of pest control issues at its facilities and open spaces. Focus areas for the IPM Program in 2025 included updates to data collection tools, comprehensive training for staff, continued use of non-glyphosate based alternatives at publicly accessible District properties and an update to the administrative approach for internal team meetings/communication. This annual update provides a summary of program activities and pesticide application data for the calendar year period from January through December of 2025.

DISCUSSION

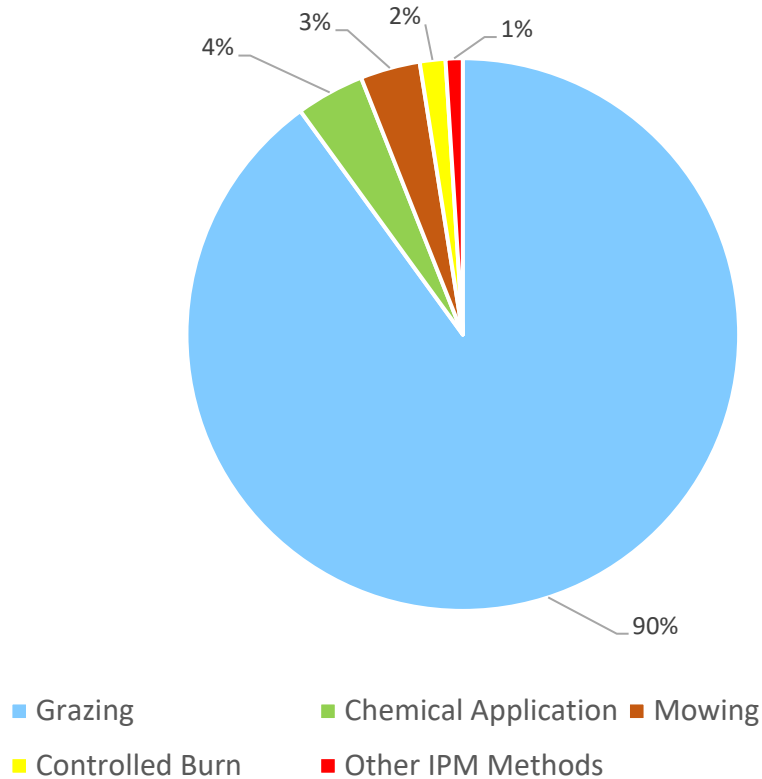
The goal of the IPM program is to minimize the impact to human health, the environment, and non-target organisms by requiring consideration of non-pesticide control methods such as physical, biological and cultural controls before use of pesticide controls. The District's IPM Program addresses pest control issues on watershed lands, pipeline and aqueduct rights-of-ways, and operating and administrative facilities across the East Bay and upcountry in the Sierra foothills. The IPM program covers activities by District employees and District contractors and tenants operating on District property.

Accomplishments for calendar year 2025 included the following:

- Update of the GIS based application for IPM data collection to incorporate new sites, ease of use, streamline geolocation of sites
- Supported special projects for the prevention/control of golden mussel in District waterbodies and artichoke thistle on District lands
- Review and update of the District's pesticide products list
- Provided comprehensive training for staff, including three-days of annual IPM training on a variety of topics by several outside technical experts, specialty technical speakers at quarterly team meetings and special training for Qualified Applicator Certificate (QAC) examination preparation for staff working on obtaining their certification
- Continued use of non-glyphosate based alternatives at publicly accessible District properties in/near residential neighborhoods.

This annual report provides a summary of various IPM methods used District-wide and total pesticide usage for the year. As shown below, IPM methods other than pesticide application were used at majority of District areas.

2025 IPM Methods Used Districtwide (Area Based)



In 2025 staff continued to use alternative methods and/or chemicals at publicly accessible portions of District properties in or near residential neighborhoods.. The efficacy of alternative products will continue to be monitored and evaluated in 2026.

Pesticide Use

In 2025, the District used approximately 1,460 pounds (as active ingredient) of pesticide including 1,101 pounds of glyphosate-based product. Table 1 below shows a continued downward trend of glyphosate use by the District over the last few years in general. This is attributable to extensive staff training with an emphasis on minimal pesticide use when feasible. Local weather and timing/frequency of pre-emergency pesticide use also affect annual usage year over year. The District is continuously evaluating alternative methods for use.

Table 1: Glyphosate Use Trends			
Year	Total Pesticide Product Use (Active Ingredient Measured in lbs.)	Glyphosate Used (Active Ingredient Measured in lbs.)	% of Total
2020	1546	1333	86%
2021	1553	1242	80%
2022	1546	1274	82%
2023	1353	1175	87%
2024	1434	1099	77%
2025	1460	1101	75%

The specific breakdown of pesticide products used in 2025 and their total amounts are shown in Table 2 below.

Table 2: Pesticide Products Used in 2025			
Product Name and EPA ID	Amount Product Used*		Total Amount Active Ingredient Used**
	dry oz.	fl. oz.	lb.
Accord XRT II 62719-556		2440	76.25
Alpine WSG 499-561	866.26		21.66
Aquamaster 524-343		1600	50.00
Capstone 62719-572		50	0.43
Captain XTR 67690-9		2	0.01
Cheetah Pro 228-743		633.5	11.58
Cleantraxx 62719-702		2826	105.09
Clearcast 241-437-67690		3	0.02
Clipper SC 71368-114		2	0.06
Dimension 2EW 62719-542		129.77	2.03
Dimension Ultra 40WP 62719-445	2640		66.00
Esplanade 200 SC 432-1516		1954.64	25.50
Essentria IC3 NA-01		23.75	0.15
Gallery SC 62719-658		133.92	4.352
Garlon 3A 62719-37		64	1.50
Garlon 4 Ultra 62719-527		2124.30	66.38
Gopher Getter TYPE 2 AG BAIT by WILCO 36029-23	483.7		0.002
Littora 67690-53		2	0.03
Milestone 62719-519		1290.13	20.16
Milestone VM 62719-537		86.2	1.35
Oust XP (DuPont) 352-601	31		1.45
Ranger Pro 524-517		30672.64	718.89
Rodeo 62719-324		1498	46.81
Roundup Pro Concentrate 524-529		4495.18	129.94
Roundup PROMAX 524-579		2256	79.31
Telar XP (Du Pont) 352-654	8.79		0.41
TERAD3 BLOX 12455-106	23.52		0.001
Transline 62719-259		1288	30.19
Wisdom TC Flowable 5481-520		2	0.01

Table 2 Notes:

* The "amount product used" indicates the volume (for liquids) or weight (for solids) of formulated product used in 2025. The amount of formulated product used is comprised of both the active ingredient and inert ingredients such as water.

**** The "total active ingredient use" is the amount of active ingredient only in the product and is recorded in weight. This is the standard practice for tracking and reporting by regulatory agencies and IPM programs.**

Calculation Example: Aquamaster

1. Total amount of active ingredient per unit (by weight): 4 pounds of glyphosate per gallon of Aquamaster
2. Total amount of active ingredient used in 2025: 1600 ounces (or 12.5 gallons) X 4 pounds per gallon = 50 pounds of active ingredient

NEXT STEPS

The District will continue to refine IPM activities and perform the following tasks in 2026:

- Train staff on the latest updates on GIS based Field Maps to assist with efficient and accurate data collection.
- Continue monitoring non-glyphosate-based alternatives and evaluate their efficacies.
- Evaluate requests from staff to add new pesticide products using the Product Evaluation Process (PEP) outlined in the District's IPM program.
- Review of Decision Documents related to District's IPM sites.
- Provide support by Pest Control Advisor (PCA) for special sites and pest control issues.
- Issue new contract for IPM Consulting Services
- Continue open communication with the public when questions arise about the District's IPM program