

CSUDH Integrated Pest Management Plan

Contacts

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Integrated Pest Management Statement

As a higher education leader in sustainability, California State University Dominguez Hills (CSUDH) embraces sustainability as a core value in line with its commitment to social, environmental, and educational justice. As an institution, we recognize and live up to our responsibility to our campus community, and the community at large, through the sustainable and equitable stewardship of our natural, social, and economic resources.

This extends to our operations, including the application of an integrated pest management (IPM) approach to pests on the CSUDH campus. Pest management is under the purview of Grounds Maintenance (“Grounds”) in conjunction with a 3rd party vendor with additional collaboration by Custodial Services to support the long-term prevention of pests in a manner that minimizes chemical exposure and risk to people and the environment.

This includes regular weekly and daily monitoring for pest presence, implementation of appropriate preventative controls, and the use of sanitation and mechanical controls to deter pests before resorting to chemical solutions to address infestations.

The goals of our pest management approach are to:

- Maintain buildings in a manner to prevent pest entry by physically sealing cracks, holes, and other entry points where pests can enter.
- Remove attractants such as trash and open food sources from exterior and interior areas in a timely manner as well as in response to pest presence to prevent infestations.
- Identify pest presence through ongoing Grounds checks and Work Orders from campus users and take quick action to minimize possible infestations based on this information.

- Ensure chemicals, if applied, are applied in a manner to avoid possible contact with humans to prevent exposure.
- Maintain fields, grass areas, and other ornamental landscape areas in a consistent manner to prevent infestations of pests and weeds.

Exclusions to Plan

The implementation of this plan extends to all CSUDH stateside grounds and excludes auxiliaries/tenants responsible for grounds maintenance or pest control services directly including:

- Loker Student Union- manages own landscape and pest control
- Dignity Sports Health Park- manages own landscape and pest control
- College of Continuing and Professional Education (CCPE) building- manages own pest control
- Child Development Center/Infant Toddler Care Center- manages own pest control
- California Academic Math and Science (CAMS)- manages own pest control
- Student Housing (Phases I-III)- manages own pest control

The plan also excludes the following areas within stateside property which have special maintenance needs:

- Functional Turf Areas:
 - North Lawn
 - Softball/Baseball Recreational Fields
- Ecological Areas and Student/Faculty-Run Gardens:
 - Campus Urban Farm
 - Heritage Creek
 - Dominguez Hills Vernal Pool Preserve

The resulting acreage managed under this plan is 22.7 acres out of 59.3 acres of landscape being actively maintained by the campus.

IPM Team

In addition to the IPM Coordinator, other individuals who are involved in purchasing, making IPM decisions, applying pesticides, and complying with state and California State University (CSU) requirements include:

NAME AND/OR TITLE	ROLE IN IPM PROGRAM
Occupational Health and Safety Specialist (EHS)	Documenting and monitoring pesticides, herbicides, and other chemicals applied as part of pest management activities. Campus customer liaison.

Groundswokers	Daily checks on campus grounds for pest presence, monitoring pest infestations, applying fungicides, insecticides, molluscicides, and herbicides.
Custodians	Daily checks on interior spaces in campus buildings for pest presence, sanitization to remove pest trails and removal of interior food attractants. Place Work Order if pest presence noted in interior building space.
Contractor: Secure Pest	Preventative spraying post-pest presence detected, monitoring of bait traps, as-needed pest control, inspection of areas flagged for pest presence, applying pesticides and rodenticides, trapping (mammals).
Sustainability Director	Annual review of plan and operational compliance checks.

Pest Management Contractor:

Pest management services are contracted to the following licensed pest control vendor who receives regular training on IPM techniques as part of ongoing professional credentialing process through the state of California:

Secure Commercial Pest Control
 5112 Cambridge Ave
 Westminster, CA 92683

Contact: Scott Galloway
 (714) 716-6160
securecpc@gmail.com

Prior to entering into a contract with CSUDH, all pest management vendors must meet state requirements for licensing and permitting for proposed application of pesticides.

Monitoring and Identification of Pests

Pest identification is handled by groundswokers (exterior spaces), custodians (interior spaces), and the Pest Management Contractor as part of ongoing monitoring and inspection for pests and the conditions that lead to pest problems.

For Grounds, this is conducted as part of daily checks by the groundswokers who have oversight of one of the six zones of campus control they are responsible for. This includes responsibility for identifying and resolving pest presence issues for that area and/or escalating pest presence issues via Work Order to bring in the Pest Management Contractor for further diagnosis.

For Custodial, any pest presence is to be reported via Work Order or to the Pest Management Contractor directly as part of daily cleaning tasks in interior spaces.

For the Pest Management Contractor, they are responsible for weekly sweeps of the full campus by quadrant, ensuring the full university grounds are inspected over the course of a one month period.

Work Orders received directly from campus users who have observed pest presence are referred directly to the Pest Management Contractor who reviews and addresses them when received.

Pests and Non-Chemical Management Practices

CSUDH has identified the following pests and routinely uses the following preventative measures in order to avoid reaching an action threshold to require the application of chemicals.

Issue	Preventative Measure	Threshold Limit
Weeds (Non-Lawn/Recreational Field Areas)	Manual removal by hand Flailing/Cutting	Density of more than 5 weeds per 10 ft/square area in ornamental landscaping. More than 50 weeds (limit of efficient hand removal) over contiguous 250 ft/square area
Fungus (Plants)	Regular monitoring of irrigation system to minimize/fix leaks and remove standing water conditions. Pruning of diseased, damaged, or dead material from plants/trees.	Fungus covers more than 5% of tree/plant and/or risk of spread to adjacent tree/plant. <u>*Special Cases:</u> <ul style="list-style-type: none"> • Palo verdes by student Housing III & IV • Palm trees (11) by Theater These two areas have known historical issues with infestation and are treated collectively for fungus when detected.
Insects (Cockroaches, Ants, etc.)	Regular custodial cleaning in building interiors and surfaces, regular servicing of exterior waste bins to minimize attractants.	Pest presence in interior space and/or infestation of exterior space as reported via Work Order and/or monitoring team (Groundworkers, Custodians, Contractor)
Bees & Wasps (Non High Traffic Areas)	Disturb hive (open valve box or nesting area) and spray water or use smoker to encourage natural departure. Remove hive post-departure.	Bees/wasps still will not vacate hive after 2 days of disturbance.

Bees & Wasps (High Traffic Areas)	Early detection/deterrence of hives (removal of hives/nests before being fully formed). Paid Hive Relocation (Contractor)	At discretion of IPM Coordinator, may move directly to knockdown insecticide spray to clear out hive if potential hazard to human health/risk of stings is imminent and contractor cannot provide services quickly enough to prevent risk of stings.
Rodents (Small)	Regular monitoring of 130 bait traps on campus to capture (exterior only). Physical barrier/repair of pest entry points if noted during Work Order pest reports. General building maintenance to fix cracks and potential entry gaps for pests.	Rodent presence inside interior locations as noted in building maintenance checks and/or Work Order.
Small Mammals (Racoons, Squirrels)	Regular custodial and Grounds servicing of waste bins to remove litter (attractants).	Pest presence in an interior space and/or infestation of exterior location reported via Work Order or monitoring team

Chemical Pest Management Practices

If the above non-chemical methods are not sufficient to remain below the pre-established action threshold limits, the campus will resort to as-needed application of the following synthetic chemicals as follows:

Issue	Action Measure	Chemicals Applied
Weeds (Non-Lawn/Recreational Field Areas)	Spot treatment of herbicide	Glyphosate-based herbicide: Round Up or Ranger Pro- <i>Grounds Applied</i>
Fungus (Plants)	Spray treatment of fungicide	Dithane 75 DF (blight, mildew)- <i>Grounds Applied</i>
Insects (Ants, etc.)	For interior spaces, knock down and preventative sprayed on baseboards (no human contact surfaces).	CY KICK CS- <i>Contractor Applied</i> Custodial general cleaning spray.

	Human contact surfaces cleaned with usual custodial general cleaning agents. Knockdown/preventative applied to the exterior perimeter of surrounding buildings in affected quadrant.	
Insects (Cockroaches)	Gel bait applied to area (areas of no human contact) Spot treatment spray for infestation in addition to gel bait	InVict Gold Cockroach Gel Bait- <i>Contractor Applied</i> Surekill SK 100- <i>Contractor Applied</i>
Bees & Wasps (Non High Traffic Areas)	Knockdown insecticide applied	Dymon (The End) Wasp & Hornet Killer- <i>Grounds Applied</i>
Bees & Wasps (High Traffic Areas)	Knockdown insecticide applied	PT Wasp-Freeze II- <i>Contractor Applied</i>
Rodents (Small)	Covered Snap Traps (Mechanical, no rodenticide) in target area Additional exterior Bait Traps	Contract California Blox (inside exterior bait traps)- <i>Contractor Applied</i>
Small Mammals (Racoons, Squirrels)	Mechanical Traps	None- <i>Contractor Administered</i>

Inventory of Chemicals Used

CSUDH expects the following pesticides (pesticide products, active ingredients, and EPA registration number) to be applied throughout the year.

	Trade Name	Active Ingredient	EPA #	Distribution Company	Target Pest	Type of Chemical	Application
1	Round Up Pro	Glyphosate	524-529	Bayer Environmental Science	Weeds	Herbicide	Spot Treatment
2	Ranger Pro	Glyphosate	524-517	Bayer Environmental Science	Weeds	Herbicide	Spot Treatment
3	Dithane 75	Mancozeb (ISO) Methenamine	62719-402	Corteva Agriscience LLC	Fungus	Specialty Fungicide	Spray Treatment
4	Dymon- The End	Permethrin Tetramethrin	11694-107	ITW Pro Brands	Bees and Wasps	Insecticide	Spray Treatment

Additionally, the third-party pest control company has been approved by the campus to apply the following chemicals as necessary:

	Trade Name	Active Ingredient	EPA #	Distribution Company	Target Pest	Type of Chemical	Application
1	PT 565 Plus XLO	Pyrethrins 0.5%	499-290	BASF Corp.	Ants, Cockroaches , Flies, Gnats	Contact Insecticide	Cracks and crevices
2	CY-KICK	Cyfluthrin 0.1%	499-470	Whitemire Micro-Gen	Ants, Cockroaches , Spiders	Pressurized Insecticide	Cracks and crevices
3	CY-KICK CS	Cyfluthrin 0.6%	499-304	BASF Corp.	Ants, Cockroaches , Crickets, Cigarette beetles, Indian meal moths	Knockdown and Residual Insecticide	Residual (60-90 days)
4	Contract California Blox	Bromethalin 0.01%	12455-151	Bell Laboratories	Rats & Mice	Structural Rodenticide	Meal Bait
5	InVict Gold Cockroach Gel Bait	Imidacloprid 2.15%	73079-10	Rockwell Labs Ltd.	Cockroaches	Bait Insecticide	Gel Bait
6	Maxforce Quantum ant bait	Imidacloprid 0.03%	432-1506	Bayer	Ants	Bait Insecticide	Liquid Bait
7	Surekill SK 100	Pyrrethrum 1.0%	47000-179	Neogen	Ants, Cockroaches , Stored Product Pest	Contact Insecticide	Spray and Fogging and Spot Treatment
8	PT Wasp-Freeze II	Pralletrin 1.0%	499-550	BASF Corp.	Bees and Wasps	Knockdown Insecticide	Knockdown Spray

Evaluation & Communication

This plan shall be reviewed annually by the Sustainability Director for independent verification that the inspection, monitoring, prevention, and control strategies specified in the IPM plan have been implemented and identify any chemical applications that did not comply with the plan based on campus chemical inventory records in RSS and required monthly reporting to the California Department of Pesticide Regulation (DPR).

Performance will be measured by an analysis of annual summary of Work Order reports for pest management to determine frequency of pest infestation by type to evaluate whether action thresholds should be modified if necessary. These metrics will be reviewed in collaboration with the IPM Coordinator to evaluate and verify the effectiveness of the plan and make updates as necessary.

Documentation and Recordkeeping

The Safety Data Sheets (SDS) of all chemicals used at CSUDH are logged and stored in the California State University's RSS SDS Portal (<https://www.csudh.edu/ehs/resources/rss-sds>). Chemicals used in the implementation of this IPM Plan are included in this inventory.

Additionally, Grounds reports all applications of pesticides on stateside campus grounds to the California Department of Pesticide Regulation monthly.

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

Plan Adopted: February 2025

Date of next review: February 2026

I acknowledge that I have reviewed CSUDH's IPM Plan and that it is true and correct.

Scott Bourgeois
Scott Bourgeois (Feb 26, 2025 06:11 PST)

Scott Bourgeois, Director Facilities Operations

Date: 02/26/2025