

Pesticide Application BMPs

- Use only the least toxic and most effective chemicals available that are suited to the vegetation or pest control.
- Use only State of Hawaii, Department of Agriculture approved pesticides. (List available at <http://hawaii.gov/hdoa/pi/pest/list>)
- Use mechanical methods of vector control before utilizing chemicals such as, fencing installed to keep rodents out and netting used to keep birds and insects away from leaves and fruit.
- Slugs can be trapped in small cups filled with beer that are set in the ground so the slugs can get in easily.
- In cases where microscopic parasites, such as bacteria and fungi, are causing damage to plants, the affected plant material can be removed and disposed of.
- Beneficial organisms, such as spiders and geckos that prey on detrimental pest species should be promoted.



Pesticide, Herbicide, Fertilizer Labeling

Federal law requires that most hazardous products, such as pesticides, herbicides, and fertilizers must include specific information about the products on their labels. The labels must include the following information:

- Child hazard warnings
- Directions for use
- Warning statements
- Misuse statement
- Registration numbers



Every pesticide must be registered with the U.S. Environmental Protection Agency (EPA) and the label must contain that registration number. If the number is not present, do not buy the product.

The label will also contain a toxicity statement.

Danger/Poison: Highly toxic, consuming a few drops to 1 teaspoon may kill an average adult.

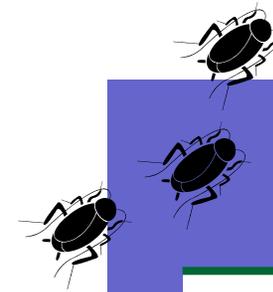
Warning: Moderately toxic, consuming 1 teaspoon to 1 ounce may kill an average adult.

Caution: Slightly toxic, consuming over 1 ounce may kill an average adult.

State of Hawaii
Department of Transportation
Airports Division

This is a public service message brought to you by the **Honolulu International Airport**. As regulated by federal laws, the Storm Water Management Program must include public information strategies for pesticide, herbicide, and fertilizer application. For more brochures or information, please visit HNL's Storm Water Management website at:

<http://www6.hawaii.gov/dot/airports/hnl/swm/index.htm>



Pesticide, Herbicide, and Fertilizer Information



State of Hawaii,
Department of
Transportation,
Airports Division



Proper Application

Pest control and landscaping are activities that are commonly utilized both at the Honolulu International Airport (HNL) as well as in the general community.



Landscaping maintenance includes vegetation removal; herbicide and pesticide application; fertilizer application; and watering. Vegetation control typically involves a combination of chemical (herbicide) application and mechanical methods. All of these maintenance practices have the potential to contribute pollutants to the storm drain system.

Best Management Practices (BMPs) are designed to minimize the discharge of pesticides, herbicide, and fertilizers to HNL's Small Municipal Separate Storm Sewer System (MS4), which will discharge without treatment into the ocean.

A recent U.S. Geological Survey of urban streams found that some of the more commonly used insecticides occurred at higher frequencies and concentrations in urban streams than in agricultural streams.

Everyone is needed to prevent the discharge of these harmful chemicals, including HNL tenants, employees, and the local community.

Vegetation Management BMPs

- Prepare the minimum amount of chemical needed for the job.
- Do not mix or prepare pesticides for application near storm drains.
- Store all chemicals in closed containers and in an enclosed area protected from rain and wind, such as a shed.
- Maintain an inventory of all the chemicals stored and keep their material safety data sheets.
- Follow the manufacturer's instructions for chemical application.
- Do not use pesticide, herbicide, or fertilizer if rain is expected or if there is a high wind.
- Irrigate slowly or pulse irrigate to prevent runoff and then only irrigate as much as is needed.
- Compost leaves, sticks, or other collected vegetation or dispose of at a permitted landfill. Do not dispose of collected vegetation into waterways or storm drains.
- Triple rinse containers and use rinse water as product. It is safer, more economical, and helps the environment.
- Dispose of unused pesticide, herbicide, and fertilizer as hazardous waste.



Fertilizer Management BMPs

A fertilizer is a single or blended substance containing one or more recognized plant nutrients, designed to promote plant growth. Proper management of fertilizer application is important to reduce the contaminants entering HNL's MS4.

- Perform soil analysis for each landscaped area to determine the need and composition of fertilizer required.
- Store fertilizers in clean, sealed, and properly labeled containers.
- Do not apply fertilizer to slopes with a grade larger than 3:1.
- Fertilizers should be worked into the soil rather than dumped or broadcast onto the surface.
- Mulching can be used to prevent weeds where turf is absent.



Hawaii State Department of
Transportation, Airports Division
Honolulu International Airport
400 Rodgers Boulevard, Suite 700
Honolulu, Hawaii 96819
Phone: (808) 838-8002

