



**The use of pesticides, such as those pictured here, should be limited to avoid runoff contamination**

**APPLICATIONS**

- Manufacturing
- Material Handling
- Vehicle Maintenance
- Construction
- Commercial Activities
- Roadways
- Waste Containment
- Housekeeping Practices

**DESCRIPTION:**

Involves limiting the impact of pesticides on water quality by training employees on alternatives to pesticide use and proper storage and on application techniques. The presence of pesticides in storm water runoff has a direct impact on the health of aquatic organisms and can present a threat to humans through contamination of drinking water supplies.

**APPROACH:**

- The use of integrated pest management (IPM) is a popular way for program managers to educate employees on alternatives to chemical pesticides.
- IPM reflects a holistic approach to pest control that examines the interrelationship between soil, water, air, nutrients, insects, diseases, landscape design, weeds, animals, weather, and cultural practices to select an appropriate pest management plan..
- An IPM program incorporates preventative practices in combination with non-chemical and chemical pest controls to minimize the use of pesticides and promote natural control of pest species.
- Three different non-chemical pest control practices biological (good bugs that eat pests), cultural (handpicking of pests, removal of diseased plants, etc.), and mechanical (zappers, paper collars, etc) are used to limit the need for chemicals.
- In those instances when pesticides are required, programs seek to have users try less toxic products such as insecticidal soaps.
- Education on the proper use of pesticides is often included in many lawn care and landscaping management programs.

**LIMITATIONS:**

- The public perception that no alternative to pesticide use exists is probably the greatest limitation that program managers will face.
- The time required for employees to learn more about alternative pest control techniques may also limit program effectiveness.



ADAPTED FROM SALT LAKE COUNTY BMP FACTSHEET

**TARGETED POLLUTANTS**

- Sediment
- Nutrients
- Heavy Metals
- Toxic Materials
- Oxygen Demanding Substances
- Oil & Grease
- Floatable Materials
- Bacteria & Viruses

<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> High Impact</li> <li><input checked="" type="checkbox"/> Medium Impact</li> <li><input type="checkbox"/> Low or Unknown Impact</li> </ul>
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**IMPLEMENTATION REQUIREMENTS**

- Capital Costs
- O&M Costs
- Maintenance
- Training

<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> High</li> <li><input checked="" type="checkbox"/> Medium</li> <li><input type="checkbox"/> Low</li> </ul>
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