



# Do you apply pesticides manually?

## Would you like to improve this process in the following areas?

- **Meet environmental compliance regulations.** Reduce or eliminate hazardous wastes due to expired shelf life, leaking and overspray. Media area is the hazardous waste program.
- **Improve workers' safety and health.** Eliminate worker exposure to pesticides by reducing overspray and chemicals stockpiles.
- **Increase productivity.** Reduce labor hours with this efficient application method.
- **Save money.** Reduce pesticide procurement cost by reducing expired shelf life and leaking. Reduce waste disposal costs.



Pesticide Application Cart

All Navy installations use pesticides for pest management. Pesticide application carts are multi-use work vehicles designed to improve the efficiency of this operation. An application cart will enhance storage, delivery, and mobility capabilities and reduce materials stockpiles. This reduces or eliminates hazardous wastes due to expired shelf life and potential leaks. Features of the cart include precision liquid application systems; accurate dry applicators for fertilizer, seed, and lime; and rugged dependable cargo carriers. Drift reduction nozzles allow more spray material to be placed on the target and less into the air. Pesticide use will be reduced due to improved efficiency and accuracy. Using the cart should also help reduce or eliminate materials with expired shelf lives. The pesticide application cart has been used successfully at CBC Port Hueneme. **This equipment is available through the Navy Pollution Prevention Equipment Program (PPEP).**

## How can you achieve these improvements?

Use a Pesticide Application Cart.

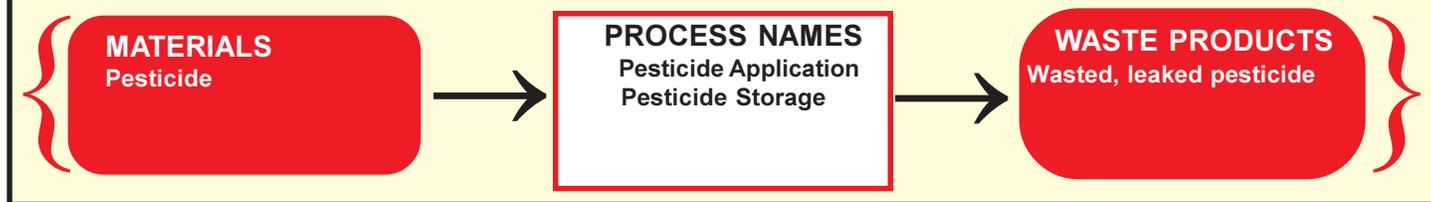
## How does this equipment work?

The Pesticide Application Cart is a multi-use vehicle that allows pesticide to be applied efficiently and accurately.

## How will this equipment save you money?

The Pesticide Application Cart will reduce pesticide procurement costs and hazardous waste disposal costs. The cost of the cart with multi-attachments is approximately \$30,000.

## Typical Process Flow Diagram



How can this technology eliminate or reduce pollution?

This P2 method can improve pesticide storage, delivery, and application. Use will result in the following pollution reductions:

- Reduce pesticide use due to greater efficiency and accuracy of application.
- Reduce or eliminate pesticide materials with expired shelf lives.

Which shops can benefit most from this technology?

This technology can be used in activities that use pesticides. Shops that could benefit include:

- Public works
- Facilities department

How can this technology reduce regulatory compliance concerns?

This technology improves the pesticide application efficiency and reduces or eliminates materials with expired shelf lives. Use will result in the following regulatory compliance benefits:

- Reduction in pesticide disposal helps facility meet the requirements covering generation, transportation, and management of hazardous waste under FIFRA, TSCA and RCRA.
- May help facilities augment their Integrated Pest Management program and achieve reductions in pesticide use identified in Navy policy and goals.

### Achieving Environmental Compliance Through Pollution Prevention

Every day the Navy faces the challenge of operating and maintaining the fleet while complying with environmental regulations. This burden can be reduced by using pollution prevention technologies and methods to reduce compliance requirements. This fact sheet is one in a series designed to encourage activities to use pollution prevention technologies and methods. The overall goal of this series is to promote sustained environmental compliance at the lowest life-cycle cost.

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