



Just the Facts

The Army's Pesticide Dispersal Unit Measuring System (Swath Kit)

What is a Pesticide Dispersal Unit and Why is it Important?

The Pesticide Dispersal Unit (PDU) is a helicopter sling-loaded sprayer capable of distributing ultra-low and low-volume liquids and granular pesticides. The PDU is a new item in the inventory of all Entomology and Sanitation LX detachments. It will be used to help control disease-carrying insects that may affect U.S. soldiers and civilians during national/international deployments or emergencies.

If the droplet size is too small, the possibility of spray drift will increase while you are spraying, causing the chemical to miss the sprayed area or be ineffective in controlling the target pest. If the droplet size is too large, then the droplets will fall out causing environmental contamination or health risks to persons in or entering the treatment area.

Who are the Participating Agencies and What are Their Responsibilities?

The U.S. Army Center for Health Promotion and Preventive Medicine (Provisional) will perform the analysis and provide the LX detachment commander with the results and recommendations in correcting possible problems. The LX detachment (Sanitation or Entomology) will:

What is a Swath Kit?

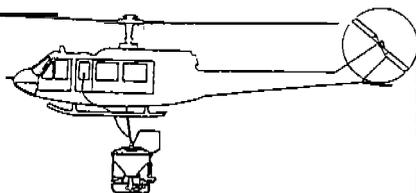
The Swath Kit is a computer-driven, calibration system which measures and analyzes the volume and size of sprayed droplets over a target area. This system can measure any droplet size from a variety of spray aircraft.

Why is it Important to Measure the PDU?

You need to perform these PDU measurements to ensure:

- ◆ All equipment functions properly.
- ◆ An even pattern of droplets exists across a sprayed area (swath).
- ◆ Delivery of an effective pesticide dose.

- ◆ Be responsible for the PDU.
- ◆ Schedule helicopter flight time.
- ◆ Select the sprayed area.
- ◆ Be responsible for most of the ground operations during the spray mission.



- ◆ PDU Measuring System
- ◆ Entomology and Sanitation LX Detachments
- Disease-carrying Insects

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