



## PERMETHRIN INSECT REPELLENT TREATMENT OF COMBAT UNIFORMS | WarPAD<sup>2</sup>

### OVERVIEW:

The Army has long maintained a strong interest in applying Permethrin insect repellent to combat uniforms as an effective protection for the Soldier against arthropod-borne diseases carried by mosquitoes, biting flies, fleas, ticks, biting bugs, mites, and lice such as Lyme Disease, West Nile Disease and Leishmaniasis. In addition, these insects are potential carriers of biological warfare agents and the discomfort factor of high populations of biting insects has a strong influence on Soldier morale and performance.

At the request of the U.S. Army Medical Material Development Activity (Ft. Detrick, MD) and the Defense Supply Center (Philadelphia, PA) the Natick Soldier RD&E Center was asked to develop practical method(s) of Permethrin application to combat uniforms. Two treatment methods were developed and recommended for adoption to the Armed Forces Pest Management Board:

- **Individual Dynamic Absorption Application (IDAA) Kit:** This kit was designed for permethrin field application to an individual combat uniform by a Soldier.
- **Industrial Application:** This application method takes place in industrial plants where mass quantities of combat uniforms are treated in a closed and controlled system.

### STATUS:

The IDAA Kit is currently available through the Defense Supply Center (Richmond, VA) under NSN 6840-01-345-0237. Treatment for combat uniforms using the industrial application method is available through EPA approved and registered commercial applicators.

### POINT OF CONTACT:

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