



**LESSON 8 - MANAGEMENT OF  
ARTHROPODS THROUGH INDIVIDUAL  
PMM**

# **Lesson Objectives**

- ***Identify the components of the DoD Arthropod Repellent System.***
- ***Select, in order, the steps required to treat uniforms using the IDAA kit.***
- ***Recognize the correct procedure to treat uniforms using the .5% aerosol can method.***

# **Lesson Objectives**

- ***Recognize the correct procedure to treat uniforms using the 2-gallon sprayer.***
- ***Recognize the correct procedure to treat skin using DEET.***
- ***Recognize proper wear of the uniform in the field setting.***
- ***Identify the measures taken to protect “at risk” soldiers from arthropod-borne illness.***

# THE DOD ARTHROPOD REPELLENT SYSTEM

5% AEROSOL CAN



2 GALLON SPRAYER

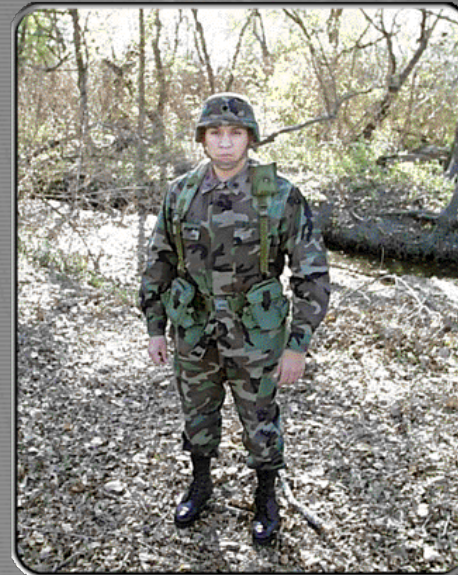


PERMETHRIN



IDAA KIT

DEET



PROPER WEAR OF THE UNIFORM

# ***Permethrin on the Uniform***



- ***You can apply permethrin to:***
  - ***Your uniform***
  - ***Tentage***
  - ***Tent liners***
  - ***Insect netting***



➤ ***Individual Dynamic Absorption Application kit***

# Treating the BDU Jacket - Step 1



PROCEDURE FOR TREATING BATTLE  
DRESS UNIFORM WITH  
INSECT/ARTHROPOD REPELLENT  
PROACTIE TREATMENT

## BAG A. COAT



1. LAY COAT FLAT, FOLD SLEEVES  
ACROSS FRONT, FOLD SHOULDER TO  
SHOULDER AND ROLL TIGHTLY.  
TIE TIGHTLY WITH STRING.

## Treating the BDU Jacket - Step 2



2. POUR 3/4 FULL  
CANTEEN CUP OF CLEAR  
WATER INTO BAG.



# Treating the BDU Jacket - Step 3



3. WHILE WEARING PROTECTIVE GLOVES, EMPTY CONTENTS OF ONE BOTTLE INTO BAG. DROP BOTTLE AND CAP INTO BAG. HOLD UPRIGHT AND GENTLY SHAKE 2 TIMES TO MIX.



# Treating the BDU Jacket - Step 4



4. PLACE ROLLED COAT IN BAG AND ZIP LOCK.

# Treating the BDU Jacket - Step 5



5. GENTLY SHAKE BAG 2 TIMES AND THEN LET REST AT LEAST 3 HOURS.

# Treating the BDU Trousers - Step 1



## BAG B-TROUSERS



1. LAY TROUSERS FLAT, FOLD LEG TO LEG AND ROLL TIGHTLY. TIE THE MIDDLE OF ROLL TIGHTLY WITH STRING.

## Treating the BDU Trousers - Step 2



2. POUR 3/4 FULL  
CANTEEN CUP OF CLEAR  
WATER INTO BAG.

# Treating the BDU Trousers - Step 3



3. WHILE WEARING PROTECTIVE GLOVES, EMPTY CONTENTS OF ONE BOTTLE INTO BAG. DROP BOTTLE AND CAP INTO BAG. HOLD UPRIGHT AND GENTLY SHAKE 2 TIMES TO MIX.



## Treating the BDU Trousers - Step 4



FSTCC0008-15

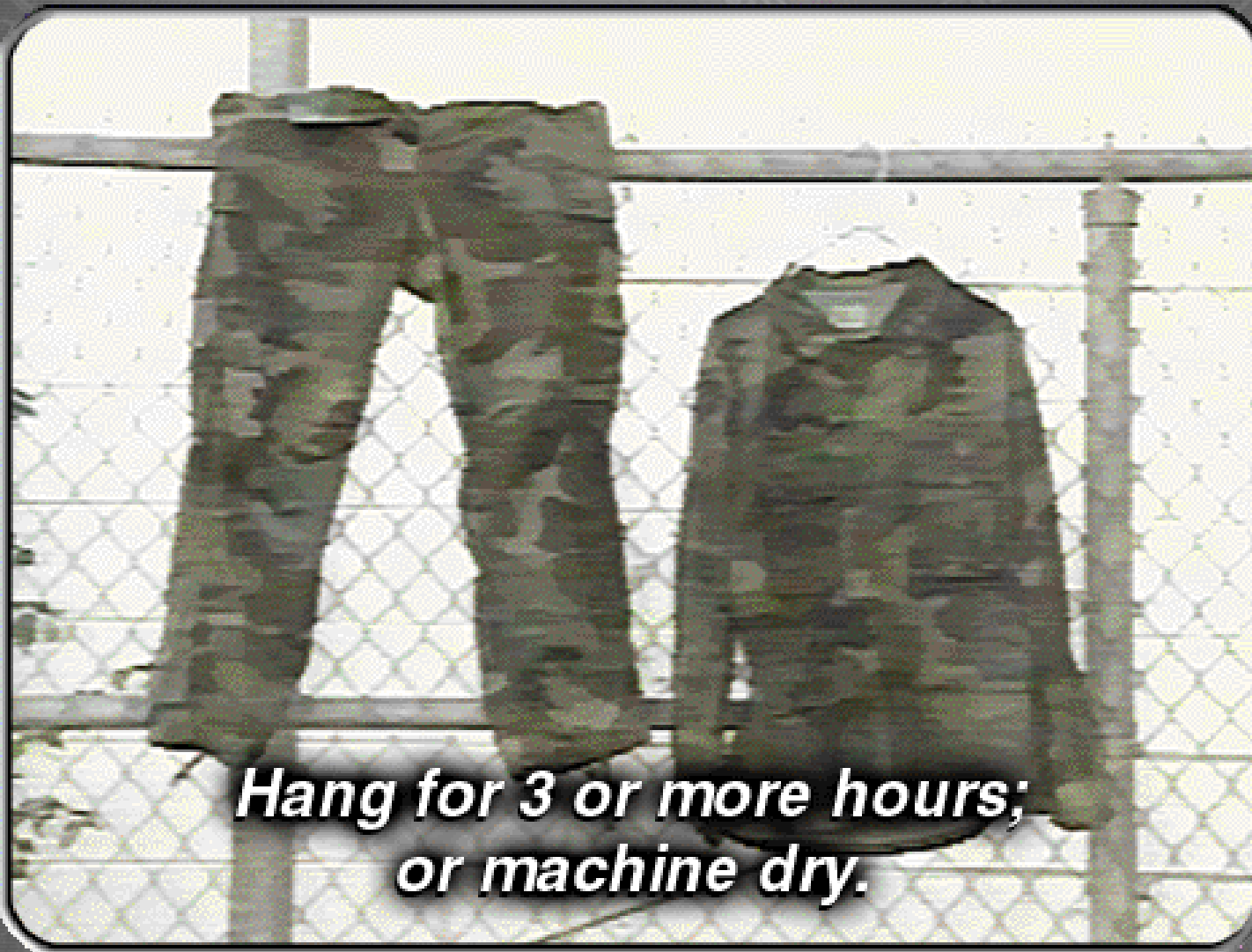
# Treating the BDU Trousers - Step 5



5. GENTLY SHAKE BAG 2 TIMES AND THEN LET REST AT LEAST 3 HOURS.



## ***Hang the Treated Uniform to Dry***



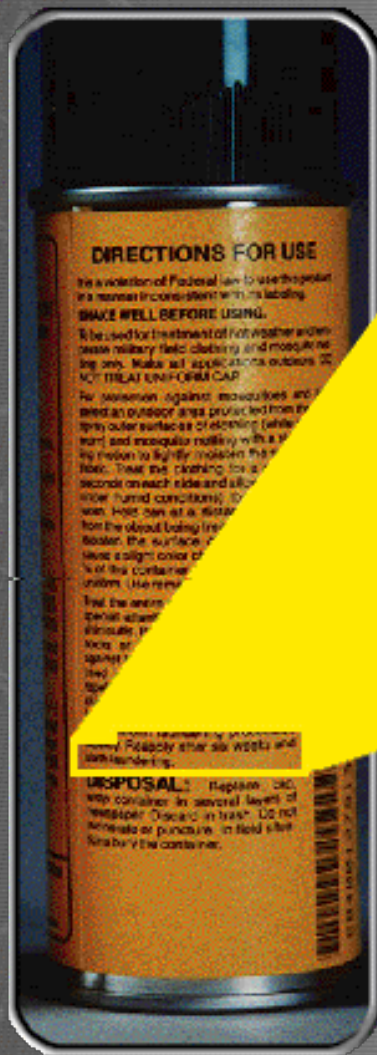
***Hang for 3 or more hours;  
or machine dry.***

# Mark the Dry Uniform



FSTCC0008-18

# .5% Aerosol Can Method



**Reapply after six weeks or six launderings.**

## **.5% Aerosol Can - Step 1**



- **Select a site outside protected from the wind.**

## **.5% Aerosol Can - Step 2**



**FSTCC0008-21**

# **.5% Aerosol Can - Step 3**



**FSTCC0008-22**

# Treating the Bed Net



FSTCC0008-23

# .5% Aerosol Can - Step 4





# 2-gallon Sprayer Method



FSTCC0008-25

## **2-gallon Sprayer - Step 1**



- ***Lay uniform flat and in a protected area.***

## ***2-gallon Sprayer - Step 2***



- ***Put on safety equipment.***
- ***Triple rinse the sprayer.***

## **2-gallon Sprayer - Step 3**



- ***Add 1 gallon of clean water.***
- ***Empty pesticide container into tank.***
- ***Add 1 more gallon water.***

## 2-gallon Sprayer - Step 4



- *Close the sprayer and agitate.*
- *Pressurize sprayer.*

## 2-gallon Sprayer - Step 5



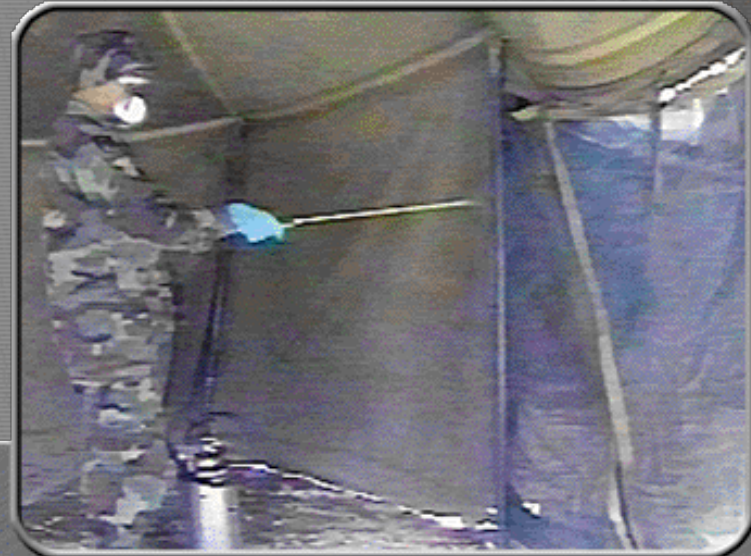
➤ *Spray uniform using fan nozzle.*

## 2-gallon Sprayer - Step 6



➤ *Hang uniform in shade to dry.*

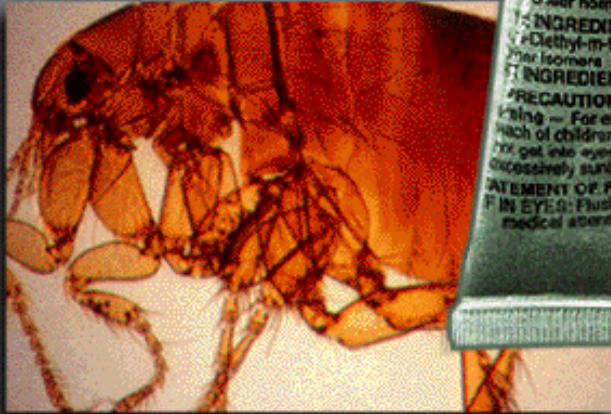
# Treating Bed Nets and Tentage



- *Retreat every 9 months in moderate climates*
- *Retreat every 6 months in tropical climates*



# DEET on the Skin



# Applying DEET to the Skin - Step 1



## ***Applying DEET to the Skin - Step 2***



- ***Be sure to cover ALL exposed skin and 2 or 3 inches below hem lines.***
- ***Avoid eyes and other sensitive areas.***

## ***Applying DEET to the Skin - Step 3***



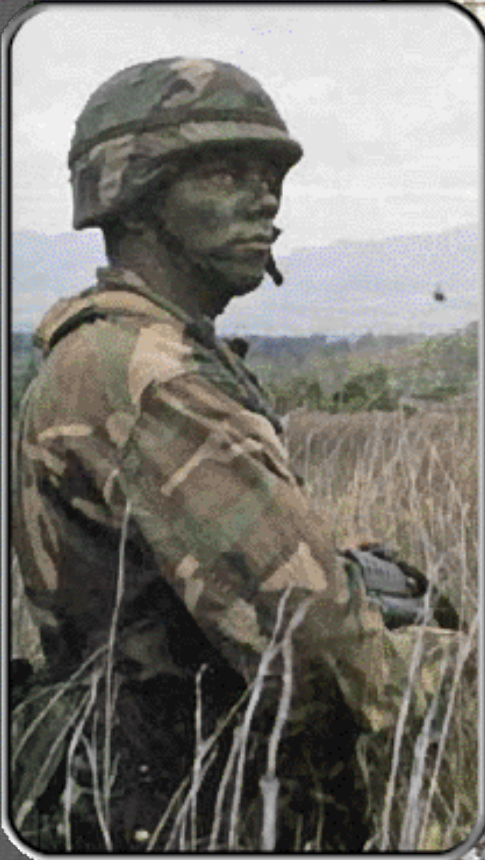
- ***Wash hands thoroughly after application.***

## ***Proper Wear of the BDU***



- ***What is acceptable in the field may differ greatly from what is acceptable in garrison.***

# **BDU Jacket**



**FSTCC0008-38**

# **BDU T-shirt**



**FSTCC0008-39**

# Special Procedures



- *Consider applying a thin layer of DEET to your abdomen to protect yourself from insects.*



# ***BDU Trousers***



**FSTCC0008-41**

## **Overall Fit of the BDU**



- ***The BDU should NOT be:***
  - ***Tightly fitted.***
  - ***Starched.***

# Head Nets



FSTCC0008-43

# Protecting Soldiers 'At Risk'



- **REMEMBER:**
- *The BDU is designed to protect you. When you are not wearing it, you are at higher risk for arthropod-borne illness.*

# Screen-in Billets



FSTCC0008-45

# Use Bed Nets



FSTCC0008-46

# Apply DEET



FSTCC0008-47

# ***Avoid Insect Habitats***



**FSTCC0008-48**



# ***SUMMARY***