#### FIELD SANITATION TEAM CERTIFICATION COURSE



LESSON 9 - MANAGEMENT OF ARTHROPODS THROUGH NON-CHEMICAL (SANITATION) AND CHEMICAL PRACTICES

Lesson Objectives (1)

> Identify non-chemical (sanitation) methods of controlling arthropods. > Identify properties of pesticides. > Identify the factors to consider when assessing the risk associated with the use of pesticides. > Identify safety precautions associated with the use of pesticides.

Lesson Objectives (2)

Describe disposal methods for pesticides and their containers.
 Select, in order, the steps required to prepare the 2-gallon sprayer for use.
 Select, in order, the steps required

to operate the 2-gallon sprayer.
 List the measures taken to maintain the 2-gallon sprayer.

#### Sanitation Practices



These are the non-chemical means of controlling pests.



#### **Rodent Control**

**FSTCC0009-5** 



Rodents carry many different parasites.

#### Waste Disposal



Proper waste disposal is essential to controlling flies and roaches.

### Animal Nesting/Feeding Areas



#### Chemical Practices

**FSTCC0009-8** 



> These procedures should only be used to AUGMENT proper sanitation practices.

#### **Properties of Pesticides**

## Pesticides > Are toxic. > Are often mixe



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Net Contents: 40 x 5.65 gram (tablets)

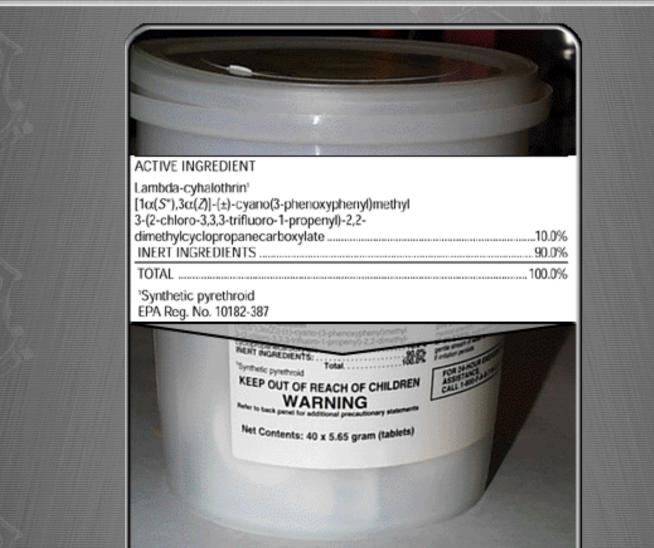
WARNING

Are often mixed with solvents.
 Can be absorbed through the skin.

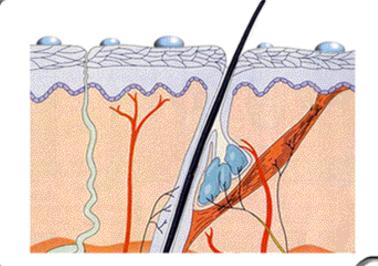




#### **Pesticides and Solvents**

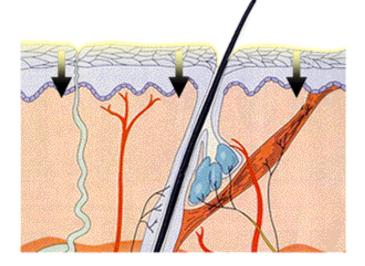


Pesticide Absorption



## Skin repels water

## ....but absorbs oils.







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#### KEEP OUT OF REACH OF CHILDREN

#### WARNING STATEMENT OF PRACTICAL TREATMENT

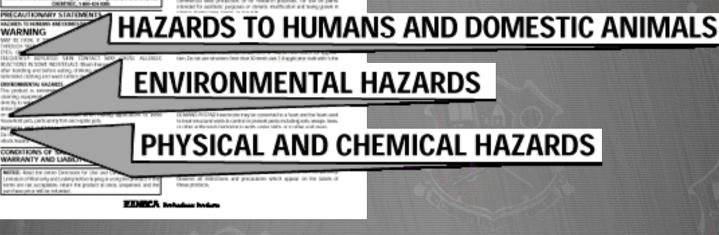
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#### Safety Precautions

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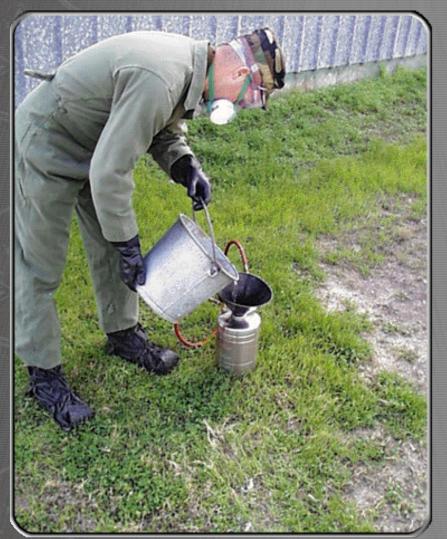


#### **Disposal of Pesticide Containers**



# Triple-rinse the container. Crush or puncture it so it can't be reused.

#### Triple-rinse Procedure



> Fill container with water. > Pour rinse water into 2gallon sprayer. > Repeat two more times.



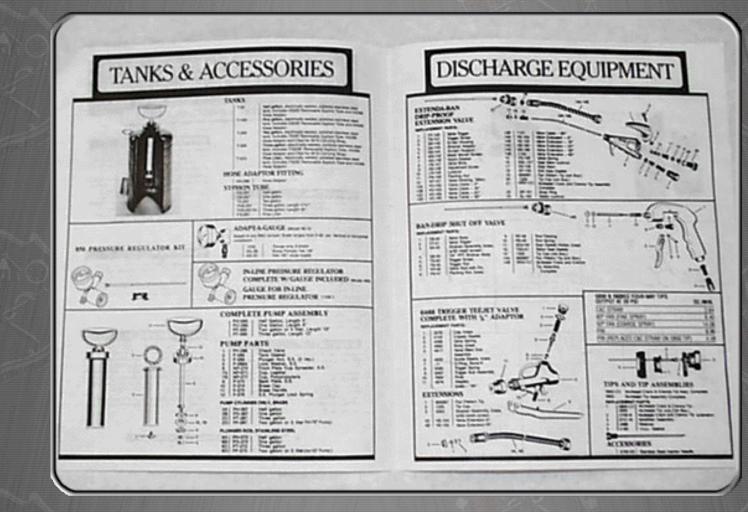
#### Using the 2-gallon Sprayer



## This sprayer comes in 1- or 2gallon capacities.



#### Sprayer Components - Instructions



Retain the instructions for operation and maintenance procedures.



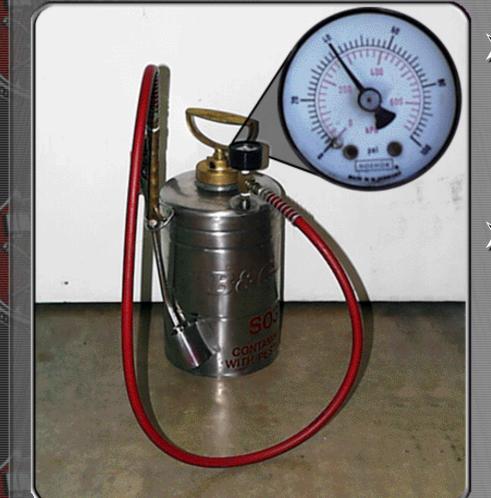
#### Sprayer Components - Spare Parts



> Always have 3 sets of spare parts on hand.



#### Sprayer Components - Pressure Gauge



 Newer models come equipped with pressure gauges.
 You can order pressure gauges for older models.



#### Prepare to Spray - Step 1



Mix the pesticide right in the sprayer.
 Be sure to follow all label instructions.



#### SOLID STREAM NOZZLE



HOLLOW CONE NOZZLE



Select the nozzle that suits your needs.

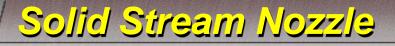
FULL CONE NOZZLE



FLAT FAN NOZZLE









## Best suited for treating cracks and crevices.



#### Hollow Cone Nozzle

Best suited for treating large areas that need light coverage.

#### Full Cone Nozzle

Best suited for treating large areas that need heavy coverage.

#### Flat Fan Nozzle

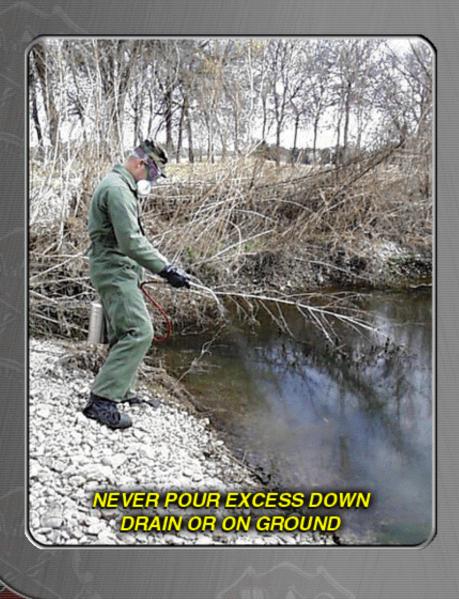
## Best suited for treating flat surfaces that need even coverage.

#### Prepare to Spray - Step 3





#### Sprayer Operation



Move the wand in a sweeping motion for even coverage and to minimize run-off.

### Sprayer Maintenance



FSTCC0009-29

Sprayer maintenance is an operator responsibility.

#### Sprayer Maintenance - Step 1

**FSTCC0009-30** 



Rinse the sprayer after each use.
 Spray rinse water over treated area.

## Sprayer Maintenance - Step 2



Wipe the outside of the sprayer to prevent corrosion.
FSTCC0009-31

## Sprayer Maintenance - Step 3



#### **Demonstration - Maintenance Procedures**



1 Remove cylinder

3 Clean dirt





5 Pump and check valve



Remove cylinder valve



4 Replace valve



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# SUMMARY

