

# AIR FORCE QUALIFICATION TRAINING PACKAGE (AFQTP)



FOR  
ENVIRONMENTAL CONTROLS  
(3E4X3)

## MODULE 14

### OPERATION AND MAINTENANCE OF PEST MANAGEMENT EQUIPMENT

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

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Career Field Education and Training Plan (CFETP) references from 1 April 02 version.

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# AIR FORCE QUALIFICATION TRAINING PACKAGES FOR ENVIRONMENTAL CONTROLS (3E4X3)

## INTRODUCTION

**Before starting this AFQTP**, refer to and read the “[AFQTP Trainer/Trainee Guide](#).”

**AFQTPs are mandatory and must be completed** to fulfill task knowledge requirements on core and diamond tasks for upgrade training. **It is important for the trainer and trainee to understand** that an AFQTP **does not** replace hands-on training, nor will completion of an AFQTP meet the requirement for core task certification. AFQTPs will be used in conjunction with applicable technical references and hands-on training.

**AFQTPs and Certification and Testing (CerTest) must be used as minimum upgrade requirements for Diamond tasks.**

## MANDATORY minimum upgrade requirements:

**Core task:**

AFQTP completion  
Hands-on certification

**Diamond task:**

AFQTP completion  
CerTest completion (80% minimum to pass)

**Note:** Trainees will receive hands-on certification training for Diamond Tasks when equipment becomes available either at home station or at a TDY location.

**Put this package to use.** Subject matter experts under the direction and guidance of HQ AFCESA/CEOF revised this AFQTP. If you have any recommendations for improving this document, please contact the Career Field Manager at the address below.

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## OPERATE MANUAL PEST MANAGEMENT EQUIPMENT

MODULE 14

AFQTP UNIT 2

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DUSTERS (14.2.4.1.)

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**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**OPERATE MANUAL DUSTERS**  
***Task Training Guide***

<b>STS Reference Number/Title:</b>	14.2.4.1., Dusters (Operate Manual pest Management Equipment).
<b>Training References:</b>	<ol style="list-style-type: none"> <li>1. Manufacturers Manual.</li> <li>2. <a href="#">AFPMB Technical Information Memorandum (TIM) 24, Contingency Pest Management Pocket Guide.</a></li> <li>3. <a href="#">Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</a></li> <li>4. CD-ROM Air Force Qualification Training Package (AFQTP) 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment.</i></li> </ol>
<b>Prerequisites:</b>	<ol style="list-style-type: none"> <li>1. <b>Possess as a minimum a 3E4X3 AFSC.</b></li> <li>2. <b>Review the following references:</b> <ol style="list-style-type: none"> <li>2.1. Applicable manufacturer manual.</li> <li>2.2. AFPMB TIM 24.</li> <li>2.3. Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</li> </ol> </li> <li>3. <b>Complete CD-ROM AFQTP 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment.</i></b></li> </ol>
<b>Equipment/Tools Required:</b>	<ol style="list-style-type: none"> <li>1. Computer to support AFQTP CD-ROM.</li> <li>2. Personal safety equipment.</li> <li>3. Manual Dusters.</li> <li>4. Inert dust, (used for testing/calibrating).</li> </ol>
<b>Learning Objective:</b>	Trainee should learn to safely operate manual dusters.
<b>Samples of Behavior:</b>	Trainee will be able to operate manual dusters while performing pest control operations.
<b>Notes:</b>	
<ol style="list-style-type: none"> <li>1. To successfully complete this element follow the steps outlined in this section.</li> <li>2. The trainer will supply trainee with appropriate on-the-job-training to successfully perform task.</li> <li>3. Any safety violation is an automatic failure.</li> </ol>	

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

## OPERATE MANUAL DUSTERS

**1. Background:** Pest control equipment is the backbone of the pest control operation. Without equipment, the pest controller would not be able to perform many control operations. For these reasons it is important to be skillful in operating pest management equipment. In this section, we will discuss the operating procedures for manual dusters. This equipment is very portable which gives the environmental control specialist access to areas that cannot be reached with large equipment such as the buffalo turbine. There are a variety of manual dusters used to disperse dusts such as: bulb dusters, bellows dusters, hand shaker, rotary dusters, foot-pump dusters, compressed-air dusters, and plunger dusters.

1.1. The specific piece of equipment used will depend on the pest, pesticide chosen, the size of application, and the area being treated.

**2. Complete the CD-ROM AFQTP 3E4X3 Environmental Controls, Versions 1.0, Oct 00: Manual and Powered Pest Management Equipment for operating a duster. Upon completion of the above-mentioned CD-ROM, properly operate a manual duster (bulb, bellows, plunger, or what's available in your shop) using the step-by-step procedures listed below.**

**NOTE:**

The review questions for this material are conducted in the above-mentioned CD-ROM.

**SAFETY:**

**READ THE LABEL AND WEAR ALL APPLICABLE PPE WHILE MIXING AND APPLYING PESTICIDES.**

3. The following chart (Table 1) depicts the differences in manual dusters, their usages and maintenance requirements.

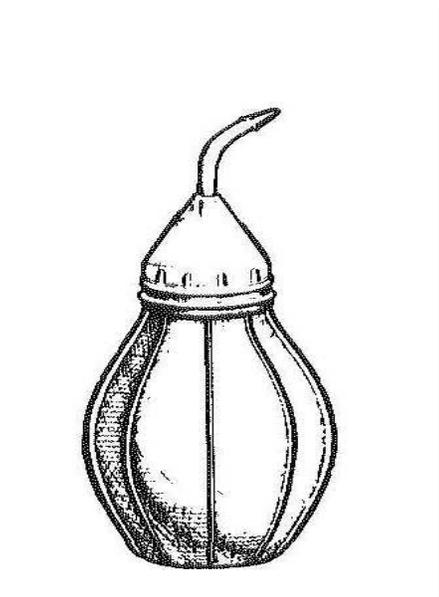
**Table 1, Duster Type, Size, Usage and Maintenance**

Type	Size and Type	Usage	Maintenance
1. Bulb Duster. (Figure 1)	4 to 8 oz capacity rubber bulb or container with a metal screw cap containing a dust nozzle.	Used for careful dusts placements in crack and crevice operations, such as cockroach control, and in electrical boxes where liquid cannot be used. Gentle hand pressure dispenses the dust.	Check duster periodically for holes or rips. Replace as needed.

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**Table 1, Duster Type, Size, Usage and Maintenance (Continued)**

Type	Size and Type	Usage	Maintenance
2. Bellows Duster. (Figure 2)	4 to 8 oz capacity rubber container with metal at top and bottom and a metal spring inside. Dust nozzle is at bottom of container. Fill cap is in the top of container. Cleaning rod is also located in the bottom of the duster on the backside.	Used for small to medium size applications such as dispensing tracking powder for mice and rats. Can also be used for precision crack and crevice treatments when duster is turned upside down.	Check for rips and tears in rubber periodically. Replace as needed.



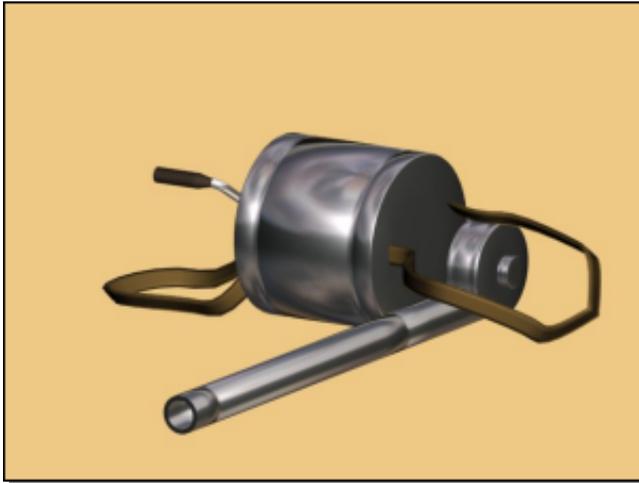
**Figure 1, Bulb Duster**



**Figure 2, Bellows Duster**

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OTHER MANUAL DUSTERS WHICH MAY BE LOCATED WITHIN YOUR SECTION



Rotary Duster



Hand Crank Duster



Hand Shaker Duster



Foot Pump Duster



Plunger Duster

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**4. The succeeding steps outline the procedures for operating manual dusters.**

**Step 1: The first step in selecting equipment is to identify the pest to be controlled.**

1.1. Make sure that you have done your research using any pictorial keys or dichotomous keys available at your disposal from reputable field guides.

**Step 2: Next, select the pesticide that best suits the situation, to control the identified pest and the area that control procedures will be conducted.**

**NOTE:**

It is very important that you read the pesticide label very carefully and understand the directions where you can and cannot use this pesticide under certain conditions. Remember, the label is the **LAW** in applying pesticides. Also, determine the amount of pesticide needed and wear all applicable PPE while mixing and applying pesticides.

**Step 3: Then select the equipment to apply the pesticide that best suits the need for your control area.**

**Step 4: Before applying the pesticide the equipment must first have a pre-operation inspection done for serviceability.**

4.1. Then fill the equipment with pesticide once determined equipment is in good working order.

**Step 5: Apply the pesticide to the control area by distributing only a thin layer for tracking patches or applying heavier into wall voids and cracks.**

5.1. To prevent moisture contact or re-harborage of future insects follow up with a sealant to the area.

5.2. Once completed, clean up any mess you may have made.

5.3. Then locate the homeowner, facility manager, or individual who requested the job and provide them with any information that they need to be aware of about the treated area.

**Step 6: Clean the equipment by wiping down any residue dust located on the outside of the duster.**

6.1. Check with shop supervisor as whether to leave remaining pesticide within the duster or to remove it into the original pesticide container, (by leaving it in the duster your limiting your exposure to the pesticide by having to remove it).

6.2. If the chemical can be left within the duster, ensure it is stored properly and is marked with the type of pesticide according to shop policy.

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**NOTE TO TRAINER:**

Come up with a hypothetical situation where the trainee must use a manual duster to perform a specific task. Ensure the trainee performs all aspects of the job using all the appropriate PPE needed.

**OPERATE MANUAL DUSTERS**

**PERFORMANCE CHECKLIST**

**INSTRUCTIONS:**

The trainee must satisfactorily perform all parts of the task without assistance. Evaluate the trainee's performance using this checklist.

<b>DID THE TRAINEE....?</b>	<b>YES</b>	<b>NO</b>
1. Identify pest to be treated		
2. Select the correct pesticide		
3. Select the correct equipment to disperse the pesticide		
4. Fill the duster with the correct PPE on		
5. Successfully operate the duster		
6. Clean and store the equipment according to shop policy		

**FEEDBACK:** Trainer should provide both positive and/or negative feedback to the trainee immediately after the task is performed. This will ensure the issue is still fresh in the mind of both the trainee and trainer.

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## OPERATE MANUAL PEST MANAGEMENT EQUIPMENT

MODULE 14

AFQTP UNIT 2

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SPRAYERS (14.2.4.2.)

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**OPERATE MANUAL SPRAYERS**  
***Task Training Guide***

<b>STS Reference Number/Title:</b>	14.2.4.2., Sprayers (Operator Manual Pest Management Equipment).
<b>Training References:</b>	<ol style="list-style-type: none"> <li>1. Manufacturers Manual.</li> <li>2. <a href="#">AFPMB TIM 24, Contingency Pest Management Pocket Guide.</a></li> <li>3. <a href="#">Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</a></li> <li>4. CD-ROM Air Force Qualification Training Package (AFQTP) 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment.</i></li> </ol>
<b>Prerequisites:</b>	<ol style="list-style-type: none"> <li>1. <b>Possess as a minimum a 3E4X3 AFSC.</b></li> <li>2. <b>Review the following references:</b> <ol style="list-style-type: none"> <li>2.1. Applicable manufacturer manual.</li> <li>2.2. AFPMB TIM 24.</li> <li>2.3. Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</li> </ol> </li> <li>3. <b>Complete CD-ROM AFQTP 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment.</i></b></li> </ol>
<b>Equipment/Tools Required:</b>	<ol style="list-style-type: none"> <li>1. Computer to support AFQTP CD-ROM.</li> <li>2. Manual sprayers.</li> <li>3. Personal safety equipment.</li> </ol>
<b>Learning Objective:</b>	Trainee should learn to safely operate manual pesticide spray equipment.
<b>Samples of Behavior:</b>	Trainee should be able to select the appropriate spray equipment and operate that equipment on the job.
<b>Notes:</b>	
<ol style="list-style-type: none"> <li>1. To successfully complete this element follow the steps outlined in this section.</li> <li>2. The trainer will supply trainee with appropriate on-the-job-training to successfully perform task.</li> <li>3. Any safety violation is an automatic failure</li> </ol>	

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## OPERATE MANUAL SPRAYERS

**1. Background:** Pest control equipment is the backbone of the pest control operation. Without equipment, the pest controller would not be able to perform many control operations. For these reasons it is important to be skillful in operating and maintaining pest management equipment. In this section, we will discuss the operating procedures for manual sprayers. This equipment is very portable which gives the environmental controls specialist access to areas that cannot be reached with large equipment. There are a variety of manual sprayers used to disperse liquids such as: compressed air sprayers, and the backpack compressed air sprayer. The specific sprayer used will depend on the size of application and the area being treated.

**2. Complete the CD-ROM AFQTP 3E4X3 Environmental Controls, Versions 1.0, Oct 00: Manual and Powered Pest Management Equipment for operating a manual sprayer. Upon completion of the above-mentioned CD-ROM, properly operate a manual sprayer, (Compressed Air Sprayer, Backpack compressed air sprayer, or what's available in your shop) using the step-by-step procedures listed below.**

**NOTE:**

The review questions for this material are conducted in the above-mentioned CD-ROM.

**SAFETY:**

**READ THE LABEL AND WEAR ALL APPLICABLE PPE WHILE FILLING AND APPLYING PESTICIDES.**

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3. The following chart depicts the differences in manual sprayers, their usages and maintenance requirements.

**Table 1, Sprayers Usage and Maintenance**

Type	Size and Appearance	Usage	Maintenance
1. Compressed-air sprayer. (Figure 1)	This sprayer ranges from .5 to 3 gallons in capacity; stainless steel or plastic tank; brass wand and nozzle; and rubber hose connecting the two.	These sprayers are the heart of the pest control operation and are used in many different functions from cockroach control to herbiciding.	Rinse out sprayer after each use. Clean tank, wand, filter, and nozzle at least once a week. Replace parts as needed.
2. Back pack compressed air sprayer. (Figure 2)	Plastic lightweight usually has 2-3gal capacity with broadcast spray tip.	Used for outdoor uses such as small flea, tick, turf pest and weed control problems.	Clean sprayer after each use. Several variations of these pumps are on the market if have a diaphragm pump for tears or holes. Some have a piston pump which may need lubricated, and look for any problems: missing parts, wear, broken seals, check hose, & spray wand filter and for defects.



**Figure 1, Compressed Air Sprayers**



**Figure 2, Back Pack Compressed Air Sprayer**

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**4. The succeeding steps outline the procedures for selecting and operating manual dusters.**

**Step 1: The first step in selecting equipment is to identify the pest to be controlled.**

1.1. Make sure that you have done your research using any pictorial keys or dichotomous keys available at your disposal from reputable field guides.

**Step 2: Next, select the pesticide that best suits the situation, to control the identified pest and the area that control procedures will be conducted.**

**NOTE:**

It is very important that you read the pesticide label very carefully and understand the directions where you can and cannot use this pesticide under certain conditions. Remember, the label is the **LAW** in applying pesticides. Also, determine the amount of pesticide needed and wear all applicable PPE while mixing and applying liquid pesticides.

**Step 3: Then select the sprayer that will effectively apply that pesticide.**

3.1. Perform pre-inspection of the equipment to make sure its in proper functioning order.

**Step 4: Fill the sprayer with the desired amount of pesticide.**

**Step 5: Begin the pesticide treatment technique being careful of all environmental concerns annotated on the label.**

5.1. Once completed, clean up any mess you may have made.

5.2. Then locate the homeowner, facility manager, or individual who requested the job and provide them with any information that they need to be aware of about the treated area. (Example. Everyone should stay out of the area or room for at least 2 hours until area is dry.)

**Step 6: Decompress the sprayer when finished and clean the equipment by wiping down and/or rinsing the outside of the sprayer.**

6.1. Triple rinses the inside and make sure you have rinsed the hose lines as well.

6.2. Check with shop supervisor as to where to place the rinse water and place sprayer within the equipment room-allowing sprayer to dry.

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**NOTE TO TRAINER:**

Come up with a hypothetical situation where the trainee must use a manual sprayer to perform a specific task. Ensure the trainee performs all aspects of the task using all the appropriate PPE needed.

**OPERATE MANUAL SPRAYERS**

**PERFORMANCE CHECKLIST**

**INSTRUCTIONS:**

The trainee must satisfactorily perform all parts of the task without assistance. Evaluate the trainee's performance using this checklist.

<b>DID THE TRAINEE....?</b>	<b>YES</b>	<b>NO</b>
1. Identify the pest to be controlled		
2. Select the proper pesticide		
3. Match the sprayer with the pesticide selected		
4. Wear proper PPE while mixing and applying pesticide		
5. Operate the sprayer correctly		
6. Clean and store the sprayer according to shop policy		

**FEEDBACK:** Trainer should provide both positive and/or negative feedback to the trainee immediately after the task is performed. This will ensure the issue is still fresh in the mind of both the trainee and trainer.



## OPERATE MANUAL PEST MANAGEMENT EQUIPMENT

MODULE 14

AFQTP UNIT 2

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### GRANULE SPREADERS (14.2.4.3.)

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**OPERATE MANUAL GRANULE SPREADERS**  
***Task Training Guide***

<b>STS Reference Number/Title:</b>	14.2.4.3., Granules Spreaders (Operate Manual Pest Manual Equipment).
<b>Training References:</b>	<ol style="list-style-type: none"> <li>1. Manufacturers Manual.</li> <li>2. AFPMB TIM 24, <a href="#"><i>Contingency Pest Management Pocket Guide</i></a>.</li> <li>3. <a href="#"><i>Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment</i></a>.</li> <li>4. CD-ROM Air Force Qualification Training Package (AFQTP) 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment</i>.</li> </ol>
<b>Prerequisites:</b>	<ol style="list-style-type: none"> <li>1. <b>Possess as a minimum a 3E4X3 AFSC.</b></li> <li>2. <b>Review the following references:</b> <ol style="list-style-type: none"> <li>2.1. Applicable manufacturer manual.</li> <li>2.2. AFPMB TIM 24.</li> <li>2.3. Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</li> </ol> </li> <li>3. <b>Complete CD-ROM AFQTP 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment</i>.</b></li> </ol>
<b>Equipment/Tools Required:</b>	<ol style="list-style-type: none"> <li>1. Computer to support AFQTP CD-ROM.</li> <li>2. Personal safety equipment.</li> <li>3. Granular Spreaders.</li> </ol>
<b>Learning Objective:</b>	Trainee should learn to safely operate granular spreaders.
<b>Samples of Behavior:</b>	Trainee will be able to operate granular spreaders while performing pest control operations.
<b>Notes:</b>	
<ol style="list-style-type: none"> <li>1. To successfully complete this element follow the steps outlined in this section.</li> <li>2. The trainer will supply trainee with appropriate on-the-job-training to successfully perform tasks.</li> <li>3. Any safety violation is an automatic failure.</li> </ol>	

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## OPERATE MANUAL GRANULE SPREADERS

**1. Background:** Pest control equipment is the backbone of the pest control operation. Without equipment, the pest controller would not be able to perform many control operations. For these reasons it is important to be skillful in operating pest management equipment. In this section, we will look at the operating procedures for manual granular spreaders. This equipment is very portable which gives the environmental control specialist access to areas that cannot be reached with large equipment. There are a variety of manual spreaders to disperse granules: the push-type spreader, pull type spreaders, which can dispense material as a drop spreader or a rotary spreader and the hand crank rotary spreader. The specific piece of equipment used will depend on the pesticide chosen, the size of application, and the area being treated.

**2. Complete the CD-ROM, AFQTP 3E4X3 Environmental Controls, Versions 1.0, Oct 00: Manual and Powered Pest Management Equipment for operating a manual granular spreader. Upon completion of the above-mentioned CD-ROM, properly operate a manual granular spreader, (Pull-type, Push-type, or hand held spreader, or what's available within your shop) using the step-by-step procedures listed below.**

**NOTE:**

The review questions for this material are conducted in the above-mentioned CD-ROM.

**SAFETY:**

**READ THE LABEL AND WEAR ALL APPLICABLE PPE WHILE FILLING, MIXING AND APPLYING PESTICIDES.**

**3.** The following chart (Table 1) depicts the differences in the spreaders, their usages and maintenance requirements.

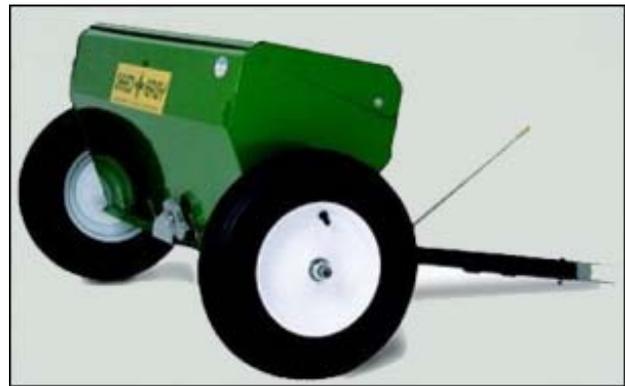
**Table 1, Granular Spreaders**

Type	Size and Appearance	Usage	Maintenance
1. Push/Pull type spreader. (Figure 1)	This spreader is on wheels and as it is pushed or pulled over the area, it drops or throws the granules evenly. The desired rate can be adjusted up to 50 pounds per hour.	Used for doing lawns or other small to medium ground areas for dealing with Turf Pest, Weed Control etc.	Clean after each use. Oil spreader parts after cleaning. Check for any loose parts and make sure adjustment controls are functioning properly.

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**Table 1, Granular Spreaders (Continued)**

Type	Size and Appearance	Usage	Maintenance
2. Hand crank spreader. (Figure 2)	This spreader is usually round, manually carried by a strap that goes over the neck, and hand cranked to sling the granules out over the area. This spreader has a flow rate of 200 pounds per hour. Chemical is applied one crank of the handler per step.	This spreader is used in a variety of different situations to apply insecticides and herbicides including mosquito larviciding in large bodies of water, herbiciding in lawns, and other small outdoor areas where the push-type or larger spreaders cannot be used.	Clean after each use. Replace parts as needed.



**Figure 1, Push/Pull Type Spreader**



**Figure 2, Hand Crank Spreader**

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**4. The succeeding steps outline the procedures for operating manual spreaders.**

**Step 1:** The first step in selecting equipment is to identify the pest to be controlled, make sure that you have done your research using any pictorial keys or dichotomous keys available at your disposal from reputable field guides.

**Step 2:** Next, select the pesticide that best suits to control the identified pest and the area that control procedures will be conducted.

**Step 3:** Then select the equipment that will effectively apply that pesticide.

3.1. Perform pre-inspection of the equipment to make sure its in proper functioning order.

**Step 4:** Before applying the pesticide the equipment must first be calibrated.

4.1. Calibrate the equipment with inert material like clay absorbent, or vermiculite depending on the consistency of the pesticide being used. (See paragraph 5 on how to calibrate your equipment.).

4.2. Then fill the hopper of the equipment with the desired amount of pesticide granular.

**NOTE:**

It is very important that you read the pesticide label very carefully and understand the directions where you can and cannot use this pesticide under certain conditions. Remember, the label is the **LAW** in applying pesticides. Also, determine the amount of pesticide needed and wear all applicable PPE while mixing and applying granular pesticides.

**Step 5:** Begin the pesticide treatment technique on your control area by walking 10 feet between passes back and forth over the area until job is complete.

5.1. Once completed, clean up any mess you may have made.

5.2. Then locate the homeowner, facility manager, or individual who requested the job and provide them with any information that they need to be aware of about the treated area. (Example. After watering the granular insecticide into the lawn thoroughly, let it dry before introducing pets or allowing people back onto lawn.) (See precautions section on label for detailed instructions.)

**Step 6:** Clean the equipment by wiping down and/or rinsing the outside of the equipment.

6.1. Check with shop supervisor as to where to place equipment before spraying to control rinse water and then place spreader within the equipment room allowing to dry.

5. If the label rate on the pesticide container states to apply the chemical out at 2-4 lbs per 1000 sq. feet, follow this procedure as an example of a calibration technique for spreaders. (Always use the lower rate, as we do here in this example of 2 lbs per 1000 sq. ft.)

**Step 1:** Place 2lbs of inert material into the hopper of the spreader and measure out an area 10 feet wide by 100 feet long (1000 sq. feet) as your test area.

**Step 2:** Set your spreader on a medium setting and dispense the inert material making sure that the inert material is being discharged roughly along the 10-foot swath.

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**Step 3: If you run out of inert material before you reach the end of the 100 ft section as your test area, lower the setting accordingly.**

3.1. If you have inert material left over at the end of the test area, raise your setting accordingly.

**Step 4: Adjusting control lever until the setting is close to the appropriate rate on the label.**

4.1. Then the equipment you are using is calibrated for that specific label rate of 2-4lbs per 1000 sq. feet.

4.2. Remember, the spreader is now set for that specific job according to the label dosage rate and rate of speed of the individual conducting original calibration.

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**NOTE TO TRAINER:**

Come up with a hypothetical situation where the trainee must use a granular spreader to perform a specific task. Ensure the trainee performs all aspects of the task using all the appropriate PPE needed.

**MANUAL GRANULE SPREADERS**

**PERFORMANCE CHECKLIST**

**INSTRUCTIONS:**

The trainee must satisfactorily perform all parts of the task without assistance. Evaluate the trainee's performance using this checklist.

<b>DID THE TRAINEE....?</b>	<b>YES</b>	<b>NO</b>
1. Identify pest to be treated		
2. Select the correct pesticide to be used		
3. Select the correct spreader to disperse the pesticide		
4. Fill the spreader with correct PPE on		
5. Successfully operate the spreader		

**FEEDBACK:** Trainer should provide both positive and/or negative feedback to the trainee immediately after the task is performed. This will ensure the issue is still fresh in the mind of both the trainee and trainer.

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.



## OPERATE MANUAL PEST MANAGEMENT EQUIPMENT

MODULE 14

AFQTP UNIT 2

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### TRAPPING DEVICES (14.2.4.4.)

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**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**OPERATE MANUAL TRAPPING DEVICES**  
***Task Training Guide***

<b>STS Reference Number/Title:</b>	14.2.4.4., Trapping devices (Operate Manual Pest Management Equipment).
<b>Training References:</b>	<ol style="list-style-type: none"> <li>1. <a href="#">AFPMB TIM 24, Contingency Pest Management Pocket Guide</a>.</li> <li>2. Manufacturers Manual.</li> <li>3. <a href="#">Military Pest Management Handbook, Chapter 10, Rodents, Birds, and Other Non-arthropods</a>.</li> <li>4. CD-ROM Air Force Qualification Training Package 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment</i>.</li> </ol>
<b>Prerequisites:</b>	<ol style="list-style-type: none"> <li>1. <b>Possess as a minimum a 3E4X3 AFSC.</b></li> <li>2. <b>Review the following references:</b> <ol style="list-style-type: none"> <li>2.1. Applicable manufacturer manual.</li> <li>2.2. AFPMB TIM 24.</li> <li>2.3. Military Pest Management Handbook, Chapter 10, Rodents, Birds, and other non-arthropods.</li> </ol> </li> <li>3. <b>Complete CD-ROM AFQTP 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment</i>.</b></li> </ol>
<b>Equipment/Tools Required:</b>	<ol style="list-style-type: none"> <li>1. Computer to support AFQTP CD-ROM.</li> <li>2. Traps (Rodent and a Live Animal Trap).</li> <li>3. Personal Safety Equipment.</li> </ol>
<b>Learning Objective:</b>	Trainee should learn to safely operate pest-trapping devices.
<b>Samples of Behavior:</b>	Trainee will be able to select the appropriate trapping device for a particular pest and operate it on the job.
<b>Notes:</b>	
<ol style="list-style-type: none"> <li>1. To successfully complete this element follow the steps outlined in this section.</li> <li>2. The trainer will supply trainee with appropriate on-the-job-training to successfully perform task.</li> <li>3. Any safety violation is an automatic failure.</li> </ol>	

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

## OPERATE MANUAL TRAPPING DEVICES

**1. Background:** Pest control equipment is the backbone of the pest control operation. Without equipment, the pest controller would not be able to perform many control operations. For these reasons it is important to be skillful in operating and maintaining pest management equipment. In this section, we will look at the operating procedures for manual trapping devices. There are a variety of trapping devices used to control a variety of insect pests and vertebrate animals. The specific trapping device used will depend on the pest, and the area being treated.

**2. Complete the CD-ROM, AFQTP 3E4X3 Environmental Controls, Versions 1.0, Oct 00: Manual and Powered Pest Management Equipment for operating trapping devices. Upon completion of the above-mentioned CD-ROM, properly operate a rodent and a live animal trap using a functional working order and the step-by-step procedures listed below.**

**NOTE:**

The review questions for this material are conducted in the above-mentioned CD-ROM.

**SAFETY:**

**READ THE LABEL AND WEAR ALL APPLICABLE PPE WHILE FILLING AND APPLYING PESTICIDES.**

**3.** The following chart depicts some of the differences in the trapping devices available, their usages and maintenance requirements.

**Table 1, Trapping Device Usage and Maintenance**

Type	Size and Appearance	Usage	Maintenance
1. Mouse Trap (wood). (Figure 1)	This trap is 2 in. x 4 in. long. It has a wood base with a metal spring and trigger and is deadly to mice.	Used in mouse control procedures.	Very little maintenance needed. Clean trigger periodically. Very inexpensive, replace when inoperative.
2. Mouse Trap Live (Tin Cat). (Figure 2)	This trap is made of metal and usually has a clear plastic cover in the top used for observation.	This trap is used to catch live mice.	Very little maintenance is required on this trap. Clean after use. Keep out of the elements to prevent corrosion.

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**Table 1, Trapping Device Usage and Maintenance (Continued)**

Type	Size and Appearance	Usage	Maintenance
3. Rat Trap (wood).	This trap is 4 in. by 8 in. and looks like a larger version of the mouse trap. It has a wood base and metal spring and trigger.	Used in rat control procedures. Although, rat traps are not always as effective as mouse traps.	Very little maintenance. Clean trigger periodically. Inexpensive, replace as needed.
4. Glue boards. (Figure 3)	Glue boards come in many different sizes depending on what pest is targeted. They have a cardboard or plastic base with glue on top. The rat glue boards consist of a plastic tray filled with glue, as rats are harder to contain.	Glue boards have many different uses and are among the leading tools for IPM. They can be used as traps for mice and rats as well as survey tools for almost any insect.	There is no maintenance to glue boards. Once they are used just simply throw them away. To remove a specimen from the glue board apply a small amount of vegetable oil to loosen up the glue, works well on snake removal especially.
5. Live Traps (Cage). (Figure 4)	These traps are made of metal wire with a trigger and a door. Once the animal walks into the trap, the trap door falls to trap it inside. There are three sizes of live traps small, medium, and large.	These traps are used to, as the name suggests; capture the animal alive. There are usually used to capture live animal and relocate them to other areas.	Maintenance includes oiling the trigger mechanisms periodically and cleaning the traps after use. Make sure all the traps are annotated with your squadron, bldg, # and phone # to prevent tampering and theft; sometimes you may need to lock them for security.
6. Pigeon traps. (Figure 5)	These traps look like regular live traps except for the doors. The door on each end is made of dangling metal that look like fingers. The doors only open one-way with no means of escape.	Used to trap pigeons live.	Very little maintenance required for these traps. Clean after use.

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**Table 1, Trapping Device Usage and Maintenance (Continued)**

Type	Size and Appearance	Usage	Maintenance
7. Fly Traps (sticky).	Paper trap with glue that is hung in an area where flies are prevalent.	Used to attract and trap flies.	No maintenance required. When trap fills up throw it away.
8. UV Light Trap. (Figure 6)	An electronic trap usually with two Ultra-Violet light bulbs. The unit also has a glue board positioned in the bottom of it.	This trap is a highly effective fly control mechanism indoors. The UV light bulbs attract the flies to them and once the flies are in the trap they are caught on the glue boards at the bottom.	Replace bulbs when burnt out. Replace glue boards when full. Check electrical cord for rips and tears.
9. Light Traps (New Jersey or Sams).	A trap with a light, a fan, a photo-cell and a mesh capture bag. Usually there is a rain cover over the entire trap. The trap is powered by a six volt re-chargeable battery.	This trap is used to trap and survey certain night flying insects such as mosquitoes. Surveys identify amounts of mosquitoes and types of species found in the area. The insects are attracted to the light. The fan below the light pulls them into the mesh catch bag and retains them.	Check and replace batteries as needed. Check and replace cord as needed. Check and replace mesh bag as needed. Replace light bulb as needed. Check and replace photo-cell as needed.

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

Table 1, Trapping Device Usage and Maintenance (Continued)

Type	Size and Appearance	Usage	Maintenance
10. Harpoon Trap. (Figure 7)	This is a relatively large trap made of metal with two large spikes; a number of smaller spikes a spring and a trigger.	This trap is used exclusively for moles. The trap is placed in the ground over a mole run with the two large spikes on either side of the run. The trigger is placed snugly over the run and when the mole comes through the trap springs propelling the smaller spikes into the ground.	Clean and oil after each use.
11. Pheromone traps.	Sizes and shapes will vary depending on the pest to be controlled.	Traps are used as a survey and/or control method, within commissaries for stored product pest, monitoring quarantine pest etc.	No maintenance required replace as necessary.



Figure 1, Wooden Mouse Snap Trap

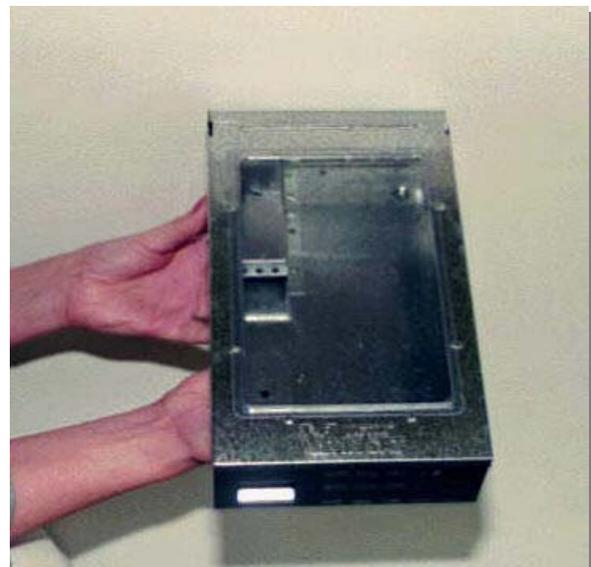


Figure 2, Mouse Trap (Tin Cat)

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

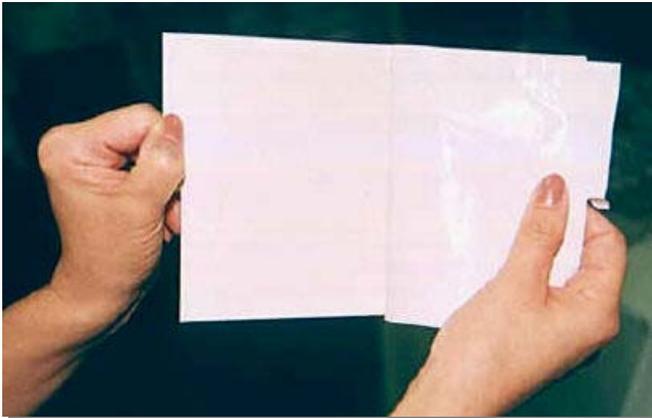


Figure 3, Glue Boards



Figure 4, Live Trap (Cage)

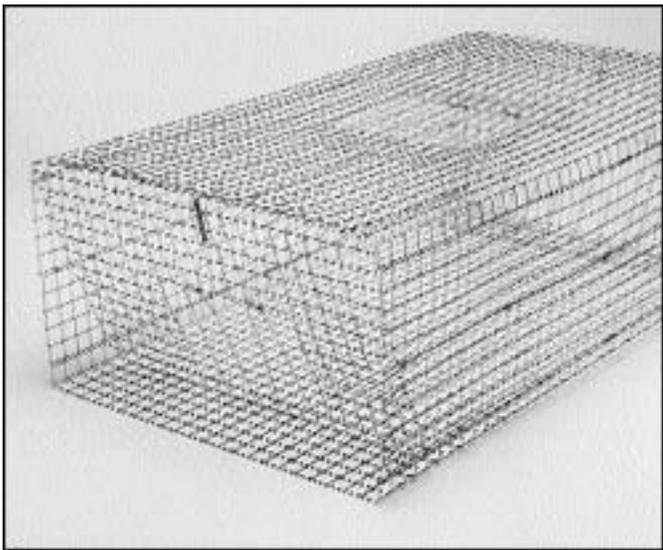


Figure 5, Pigeon Trap

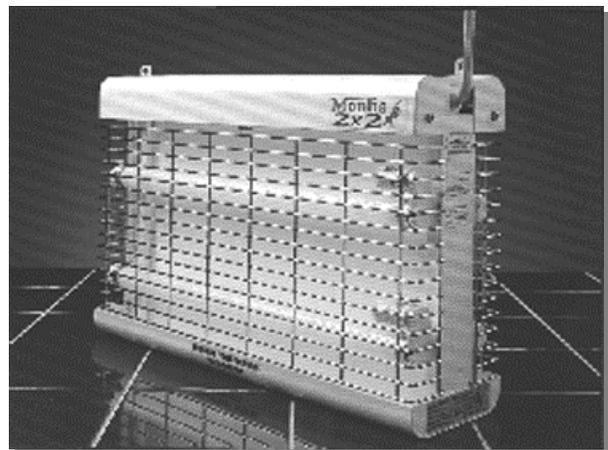


Figure 6, UV Light Trap

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

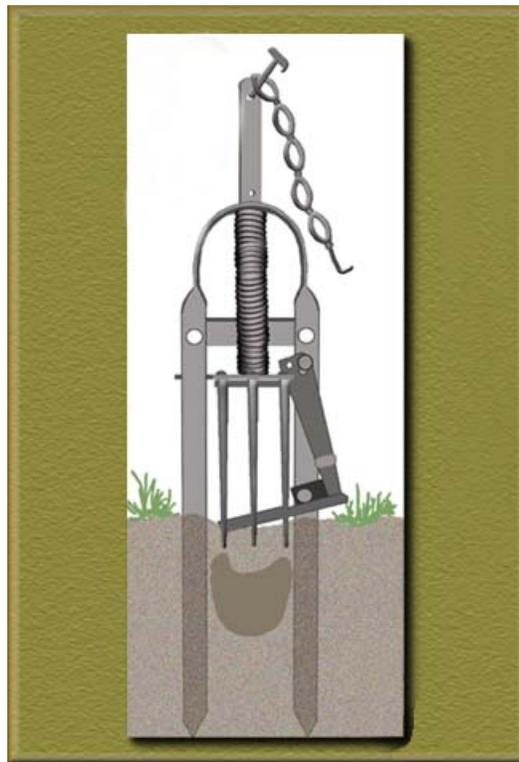


Figure 7, Harpoon Trap

4. The following steps outline the procedures for selecting the correct trapping device to use to control or survey for a particular pest.

**Step 1:** The first step in selecting trapping devices is to identify the pest to be controlled, make sure that you have done your research using any pictorial keys or dichotomous keys available at your disposal, from reputable field guides.

**Step 2:** Next, select the trap that best suits the situation and will perform the job, to control the identified pest and the area that control procedures will be conducted.

**HINT:**

It is important to decide if this trap is going to be used for control purposes or survey purposes. This could drastically effect your decision on which trap to use. Also decide if these traps are going to be used in conjunction with other control measures, this could also effect your decision.

**Step 3:** Check the traps daily and service them by emptying or replacing as needed.

3.1. Perform pre-inspection of the traps to make sure its in proper functioning order.

**Step 4:** Record your progress.

**Step 5:** Once the job is completed collect the traps and service them for the next job.

4.1. If a pesticide was used, ensure you follow all environmental concerns annotated on the label.

4.2. Once completed, clean up any mess you may have made.

4.3. Then locate the homeowner, facility manager, or individual who requested the job and provide them with any information that they need to be aware of about the treated area.

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**Step 6: Clean the traps by wiping down and/or rinsing of the traps.**

**6.1.** Some traps will need little maintenance such as mouse and rat traps, some will need lubrication and fine adjustments located on some traps.

**6.2.** Check with shop supervisor as to what to use as a rust preventative on the metal traps (bacon fat can be used on vertebrate leg hold traps and acts as an attractant as well) place traps in a dry location for storage.

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**NOTE TO TRAINER:**

Come up with a hypothetical situation where the trainee must use a trapping device to perform a specific task. Ensure the trainee performs all aspects of the job using all the appropriate PPE needed.

**OPERATE MANUAL TRAPPING DEVICES**

**PERFORMANCE CHECKLIST**

**INSTRUCTIONS:**

The trainee must satisfactorily perform all parts of the task without assistance. Evaluate the trainee's performance using this checklist.

<b>DID THE TRAINEE....?</b>	<b>YES</b>	<b>NO</b>
1. Identify the pest		
2. Select the suitable trapping device		
3. Check traps daily and serviced them		
4. Kept records of the progress		
5. Service and store the traps correctly once the job was finished		

**FEEDBACK:** Trainer should provide both positive and/or negative feedback to the trainee immediately after the task is performed. This will ensure the issue is still fresh in the mind of both the trainee and trainer.

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.



## OPERATE POWERED PEST MANAGEMENT EQUIPMENT

MODULE 14

AFQTP UNIT 3

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DUSTERS (14.3.4.1.)

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**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**OPERATE POWERED DUSTERS**  
***Task Training Guide***

<b>STS Reference Number/Title:</b>	14.3.4.1., Dusters (Operate Powered Pest Management Equipment).
<b>Training References:</b>	<ol style="list-style-type: none"> <li>1. <a href="#">AFPMB TIM 24, Contingency Pest Management Pocket Guide</a>.</li> <li>2. Manufactures Manuals.</li> <li>3. CD-ROM Air Force Qualification Training Package (AFQTP) 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment</i>.</li> <li>4. <a href="#">Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment</a>.</li> </ol>
<b>Prerequisites:</b>	<ol style="list-style-type: none"> <li>1. <b>Possess as a minimum a 3E4X3 AFSC.</b></li> <li>2. <b>Review the following references:</b> <ol style="list-style-type: none"> <li>2.1. Applicable manufacturer manual.</li> <li>2.2. AFPMB TIM 24.</li> <li>2.3. Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</li> </ol> </li> <li>3. <b>Complete CD-ROM AFQTP 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment</i>.</b></li> </ol>
<b>Equipment/Tools Required:</b>	<ol style="list-style-type: none"> <li>1. Computer to support AFQTP CD-ROM.</li> <li>2. Backpack dust-mist blower.</li> <li>3. Electric power duster.</li> </ol>
<b>Learning Objective:</b>	The trainee should learn to operate the equipment.
<b>Samples of Behavior:</b>	Trainee should operate the equipment.
<b>Notes:</b>	
<ol style="list-style-type: none"> <li>1. The trainee must demonstrate his/her ability to operate equipment to complete this lesson -- no exceptions.</li> <li>2. Any safety violation is an automatic failure.</li> </ol>	

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

## OPERATE POWERED DUSTERS

**1. Background:** One of the most important concerns in any pest management program is to properly select, use and care for pesticide dispersal equipment. There are a variety of pesticide formulations to choose from, there is also the need to select the equipment best designed to effectively apply those products.

**2. Complete the CD-ROM, AFQTP 3E4X3 Environmental Controls, Versions 1.0, Oct 00: Manual and Powered Pest Management Equipment for operating a powered duster. Upon completion of the above-mentioned CD-ROM, properly operate a powered duster of choice using the step-by-step procedures listed.**

**NOTE:**

The review questions for this material are conducted in the above-mentioned CD-ROM.

**SAFETY:**

**READ THE LABEL AND WEAR ALL APPLICABLE PPE WHILE MIXING AND APPLYING PESTICIDES.**

**3.** The two main power operated dusters are the backpack mist-dust blower and the electric dust blower. The following chart depicts some of the differences in the dusters, their usages and maintenance requirements.

**Table 1, Duster Type, Size, Appearance, Usage and Maintenance**

Type	Size and Appearance	Usage	Maintenance
1. Backpack mist-dust blower. (Figure 1)	5.3 gallons capacity for liquid pesticides.  15 pound capacity for dry pesticides.	Small outdoor areas. Areas unreachable with large mist-dust blowers.	Remove holding tank and clean inside and outside with water. Check tank cap for damage. Remove and clean volume control valve. Clean shoulder pads after each use. Check oil and fuel before each use.
2. Electric dust blower. (Figure 2)	Light weight 1.5 gallon plastic tank 110 or 220 AC power 18" charger extension.	Dust operations to treat voids, attics crawl spaces under structures and other large areas.	Check electrical cord for defects. Check plastic tank for any cracks or defects. Check charge extension for defects.

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.



Figure 1, Backpack Mist/Dust Blower



Figure 2, Electric Dust Blower

4. The step-by-step procedures for operating the powered duster are listed below.

**Step 1:** Determine the pest to be eradicated, make sure that you have done your research using any pictorial keys or dichotomous keys available at your disposal from reputable field guides.

**Step 2:** Select the proper pesticide to be applied, to control the identified pest and the area that control procedures will be conducted.

**Step 3:** Select either the backpack or the electric duster model.

3.1. This will depend on the area to be treated.

3.2. Perform pre-inspection of the duster to make sure its in proper functioning order.

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**NOTE:**

It is very important that you read the pesticide label very carefully and understand the directions where you can and cannot use this pesticide under certain conditions. Remember, the label is the **LAW** in applying pesticides. Also, determine the amount of pesticide needed and wear all applicable PPE while mixing and applying liquid pesticides.

**Step 4: Fill the pesticide dispersal equipment with the appropriate amount of dust.**

**Step 5: Start your pesticide treatment, being careful of all environmental concerns annotated on the label.**

5.1. Once completed, clean up any mess you may have made.

5.2. Then locate the homeowner, facility manager, or individual who requested the job and provide them with any information that they need to be aware of about the treated area. (Example. Everyone should stay out of the area or room for at least 2 hours until its dry.)

**Step 6: Clean the equipment by wiping down any residue dust located on the outside of the duster.**

6.1. Check with shop supervisor as whether to leave remaining pesticide within the duster or to remove it into the original pesticide container, (by leaving it in the duster your limiting your exposure to the pesticide by having to remove it).

6.2. If the chemical can be left within the duster, ensure it is stored properly and is marked with the type of pesticide according to shop policy.

**Step 7. Check the electrical cord for any damage, lose or missing parts etc.**

7.1. If equipment is ran by a gasoline motor insure the oil, air filter, gas filter, are checked and ensure gas is in the tank so carburetor seals will not dry out.

7.2. Make sure all valves are closed and working properly.

7.3. Check output orifices so chemical will not buildup and harden, possibly damaging equipment.

7.4. Refer to owner's manual for any additional information, which may need to be inspected, since each piece of equipment is somewhat different in nature for safe operating and best overall performance.

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**NOTE TO TRAINER:**

Come up with a hypothetical situation where the trainee must use a powered duster to perform a specific task. Ensure the trainee performs all aspects of the job using all the appropriate PPE needed.

**OPERATE POWERED DUSTERS**

**PERFORMANCE CHECKLIST**

**INSTRUCTIONS:**

The trainee must satisfactorily perform all parts of the task without assistance. Evaluate the trainee's performance using this checklist.

<b>DID THE TRAINEE....?</b>	<b>YES</b>	<b>NO</b>
1. Survey area and identify pest		
2. Select proper pesticide for pest problem		
3. Select the correct powered duster for the pesticide		
4. Don proper PPE to mix pesticide		
5. Don proper PPE before application began		
6. Clean up the area and notify the facility occupant		
7. Clean and store the duster correctly		

**FEEDBACK:** Trainer should provide both positive and/or negative feedback to the trainee immediately after the task is performed. This will ensure the issue is still fresh in the mind of both the trainee and trainer.



## OPERATE POWERED PEST MANAGEMENT EQUIPMENT

MODULE 14

AFQTP UNIT 3

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SPRAYERS (14.3.4.2.)

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**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

## OPERATE POWERED SPRAYERS

### *Task Training Guide*

<b>STS Reference Number/Title:</b>	14.3.4.2., Sprayers (Operate Powered Pest Management Equipment).
<b>Training References:</b>	<ol style="list-style-type: none"> <li>1. <a href="#">AFPMB TIM 24, Contingency Pest Management Pocket Guide.</a></li> <li>2. Manufactures Manuals.</li> <li>3. CD-ROM Air Force Qualification Training Package (AFQTP) 3E4X3 Environmental Controls, Version 1.0, Oct 00: Manual and Powered Pest Management Equipment.</li> <li>4. <a href="#">Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</a></li> </ol>
<b>Prerequisites:</b>	<ol style="list-style-type: none"> <li>1. <b>Possess as a minimum a 3E4X3 AFSC.</b></li> <li>2. <b>Review the following references:</b> <ol style="list-style-type: none"> <li>2.1. Applicable manufacturer manual.</li> <li>2.2. AFPMB TIM 24.</li> <li>2.3. Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</li> <li>2.4. <b>Complete CD-ROM AFQTP 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment.</i></b></li> </ol> </li> </ol>
<b>Equipment/Tools Required:</b>	<ol style="list-style-type: none"> <li>1. Computer to support AFQTP CD-ROM.</li> <li>2. Backpack mist-dust blower.</li> <li>3. Boom hydraulic sprayer (trailer-mounted).</li> <li>4. Battery powered sprayer.</li> <li>5. Hydraulic sprayer (Skid/trailer-mounted).</li> <li>6. Hand held electric sprayers.</li> <li>7. Pressurized Cylinder Sprayer (Actisol Unit).</li> </ol>
<b>Learning Objective:</b>	The trainee should learn to operate powered sprayer equipment.
<b>Samples of Behavior:</b>	Trainee will be able to operate sprayer equipment.
<b>Notes:</b>	
<ol style="list-style-type: none"> <li>1. The trainee must demonstrate his/her ability to operate equipment to complete this lesson-- no exceptions.</li> <li>2. Any safety violation is an automatic failure.</li> </ol>	

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

## OPERATE POWERED SPRAYERS

**1. Background:** One of the most important concerns in any pest management program is to properly select, use and care for pesticide dispersal equipment. There are a variety of pesticide formulations to choose from, there is also the need to select the equipment best designed to effectively apply those products.

**2. Complete the CD-ROM, AFQTP 3E4X3 Environmental Controls, Versions 1.0, Oct 00: Manual and Powered Pest Management Equipment for operating a powered sprayer. Upon completion of the above-mentioned CD-ROM, properly operate a powered hydraulic sprayer and a portable sprayer located within your shop using the step-by-step procedures listed.**

**NOTE:**

The review questions for this material are conducted in the above-mentioned CD-ROM.

**SAFETY:**

**READ THE LABEL AND WEAR ALL APPLICABLE PPE WHILE MIXING AND APPLYING PESTICIDES.**

**3.** The following chart depicts some of the differences in the powered operated sprayers available, their usages and maintenance requirements.

**Table 1, Sprayers**

Type	Size and Appearance	Usage	Maintenance
1. Backpack mist-dust blower. (Figure 1)	5.3 gallons capacity for liquid pesticides 15 pound capacity for dry pesticides	Small outdoor areas Larviciding, disease vector control. Areas unreachable with large mist-dust blowers. This equipment is universal which can also be used as a duster with the proper duster attachment available through the manufacture.	Remove holding tank and clean inside and outside with water. Check tank cap for damage. Remove and clean volume control valve. Clean shoulder pads after each use. Check oil and fuel before each use. Check air & fuel filter for cleanliness. <b>Follow guidelines in owner's manual.</b>

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

Table 1, Sprayers (Continued)

Type	Size and Appearance	Usage	Maintenance
<p>2. Boom hydraulic sprayer (trailer-mounted). (Figure 2)</p>	<p>Tank size will vary with equipment purchased. Usually 200 to 500 gallon capacity. The pump has a 10 gallon per minute rate, 400 psi. maximum capacity. It has a gasoline air cooled engine to run pump. The boom is divided into three sections.</p>	<p>Applies pesticides at an even rate over a wide area of soil and turf in a single swath. Used to apply plant growth regulators, pesticides to control weeds in turf and grass, larval and adult pests of vegetation, fly larvae, and turf diseases.</p>	<p>Check oil every 5 hours. Add if needed. Change every 25 hours. Change gear reduction oil every 100 hours of operation. Clean and re-oil foam pre-cleaner every 25 hours of operation or 90 days whichever comes first. Clean or replace paper air cleaner cartridge every 100 hours or 12 months whichever comes first. Daily check operation pressure of sprayer. 250 psi is normal. <b>DO NOT</b> exceed 400 psi. Maintain 32 psi tire pressure. Clean boom by partially filling holding tank with potable water and run it through the boom. <b>Follow guidelines in owner's manual.</b></p>

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

Table 1, Sprayers (Continued)

Type	Size and Appearance	Usage	Maintenance
<p>3. Battery Powered Sprayers. (Figure 3)</p>	<p>Tank size will vary with equipment purchased. Usually 30 to 500 gallon capacity. The pump has a 10 gallon per minute rate, 10-40 psi. maximum capacity, battery operated and be located on the back of a vehicles or some located on a small trailer. Sprayers can have a wide variety of nozzle attachments depending on the job.</p>	<p>Disperses pesticides through a single nozzle. Applies residual sprays to trees, shrubs, vegetation, and buildings. Soil poisoning to control termites under building. Applies herbicides in ditch banks, irrigation and drainage systems, and in fence row treatments.</p>	<p>Check oil every 5 hours. Add if needed. Change every 25 hours. Change gear reduction oil every 100 hours of operation. Clean and re-oil the foam pre-cleaner every 25 hours of operation or 90 days whichever comes first. Clean or replace paper air cleaner cartridge every 100 hours or 12 months whichever comes first. Daily check operation pressure of sprayer. 250 psi is normal. <b>DO NOT</b> exceed 400 psi. Maintain 32 psi tire pressure. Clean sprayer by partially filling holding tank with potable water and run it through the sprayer. <b>Follow guidelines in owner's manual.</b></p>

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

Table 1, Sprayers (Continued)

Type	Size and Appearance	Usage	Maintenance
<p>4. Skid-mounted /trailer mounted hydraulic sprayer. (Figure 4)</p>	<p>Unit and tank capacity will depend on unit purchased, usually 50 to 500 gallon capacity. Tank can be single or dual compartment. Pump rate is 5 to 20 gallon per minute. Pump system can have a centrifugal, piston, or a diaphragm pump assemble. The pump engine is a 3 HP or 7 HP gasoline engine. These units can either be mounted directed on a vehicle or pulled upon a 2-wheeled trailer.</p>	<p>Disperse emulsion and solution formulations. Soil poisoning operations to control termites, residuals to trees, shrubs, and grasses to control vegetation and ectoparasites pests. Apply residuals to exterior surfaces of buildings and beneath them to control disease vectors and venomous arthropods. Apply herbicides and larvicides to soil and water areas to control beetle, fly, and mosquito larvae.</p>	<p>Clean weekly. Clean spray nozzles by running potable water through holding tank and spray. Check oil after every use and change when necessary. Check all hoses, filters, valves, pumps, and gaskets for leaks and deterioration and replace when necessary. <b>Follow guidelines in owner's manual.</b></p>
<p>5. Hand held electric sprayer. (Figure 5)</p>	<p>Plastic lightweight electric sprayer with one-quart capacity bottle attachment.</p>	<p>ULV sprayer used for indoor fogging operations to control: cockroaches, fleas, flies, and other household pest. It can also be used to control mosquitoes in outdoor settings.</p>	<p>Clean after each use. Check electrical cord for cracks and tears. Replace as needed.</p>
<p>6. Pressurized cylinder sprayer (Actisol Unit) (Figure 6)</p>	<p>Stainless steel 15-pound capacity tank. Brass wand, rubber hose, and special nozzle to dispense a micronized mixture.</p>	<p>This sprayer uses compressed air to inject chemical deep into wall voids and cracks and crevices to control cockroaches and other pests.</p>	<p>Rinse and clean after each use. Check hose for cracks and rips. Replace parts as needed.</p>

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.



Figure 1, Backpack Mist/Dust Blower

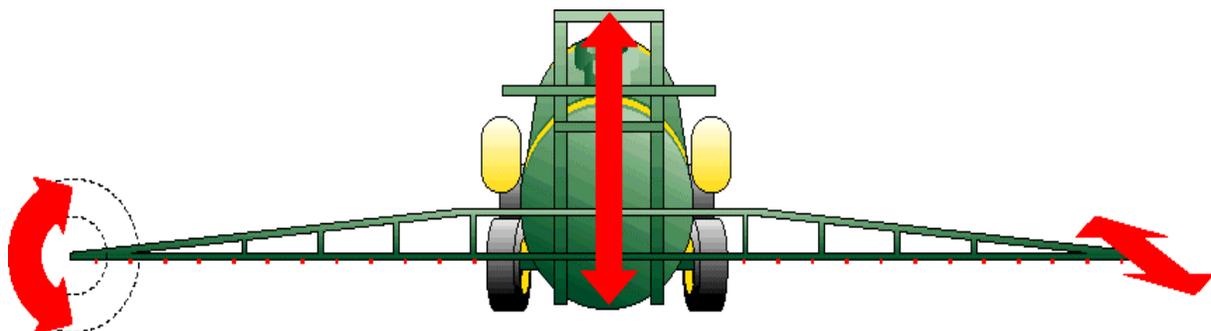
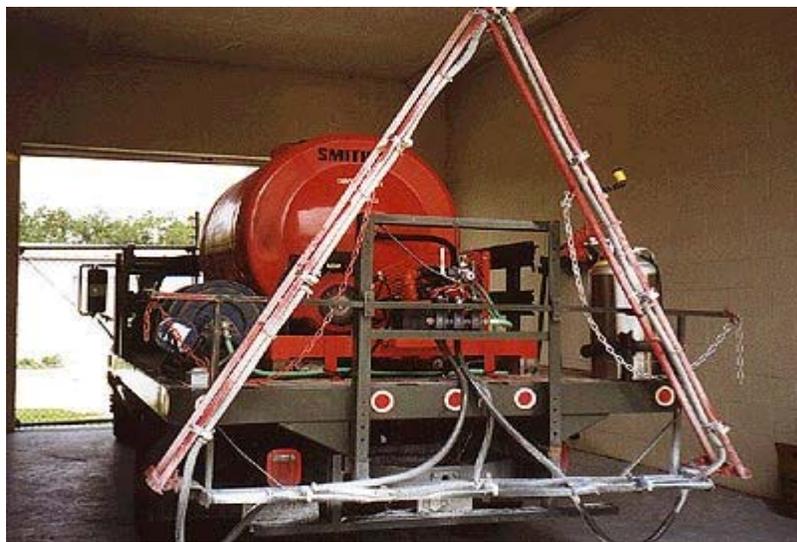
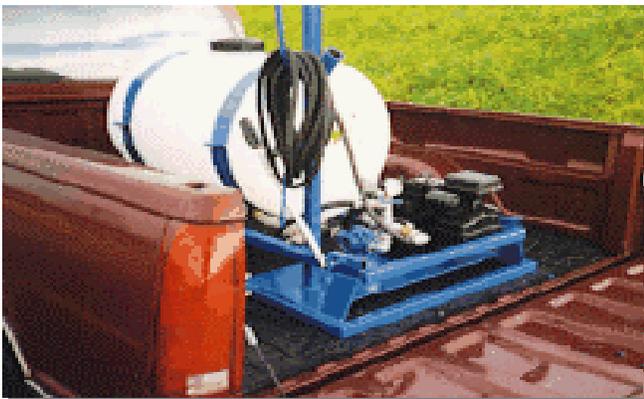


Figure 2, Hydraulic Boom Sprayers

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.



Figure 3, Battery Powered Sprayers



Skid Mounted



Trailer Mounted



Figure 4, Skid/Trailer-Mounted Hydraulic Sprayer

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.



Figure 5 Hand Held Electric Sprayer



Figure 6, Pressurized Cylinder Sprayer (Actisol Unit)

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**4. The step-by-step procedures for operating the powered sprayer are listed below.**

**Step 1: Determine the pest to be eradicated, make sure that you have done your research using any pictorial keys or dichotomous keys available at your disposal from reputable field guides.**

**Step 2: Select the proper pesticide to be applied, to control the identified pest and the area that control procedures will be conducted.**

**Step 3: Select either the boom, skid-mounted, or trailer mounted hydraulic sprayer which this will depend on the area to be treated.**

**3.1.** Perform pre-inspection of the equipment to make sure its in proper functioning order.

**NOTE:**

It is very important that you read the pesticide label very carefully and understand the directions where you can and cannot use this pesticide under certain conditions. Remember, the label is the **LAW** in applying pesticides. Also, determine the amount of pesticide needed and wear all applicable PPE while mixing and applying liquid pesticides.

**Step 4: Fill the pesticide dispersal equipment with the desired amount of selected pesticide.**

**Step 5: Start your pesticide treatment, being careful of all environmental concerns annotated on the label.**

**5.1.** Once completed, clean up any mess you may have made.

**5.2.** Then locate the homeowner, facility manager, or individual who requested the job and provide them with any information that they need to be aware of about the treated area. (Example. Don't let pets or people back onto the treated yard until the chemical dries, approx. 2 hours).

**Step 6: Clean the equipment by wiping down and/or rinsing the outside of the equipment with soap and water.**

**6.1.** Check with shop supervisor as to where to place equipment before spraying to control rinse water.

**6.2.** Dilute the remaining pesticide within the tank and flush rinse water through the hose or triple rinse the tank.

**6.3.** Place rinse water in a holding tank, check with supervisor or trainer for shop policy on disposing rinse water.

**Step 7: Conduct post operational inspection of equipment, check values, hoses, grease fittings, belts, pump, tires & trailer if need be, check oil & gas levels, fill as needed.**

**7.1.** Check gas filter quarterly and water in-line filters after each use.

**7.2.** Place spreader within the equipment room allowing to dry.

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**NOTE TO TRAINER:**

Come up with a hypothetical situation where the trainee must use a powered sprayer to perform a specific task. Ensure the trainee performs all aspects of the job using all the appropriate PPE needed.

**OPERATE POWERED SPRAYERS**

**PERFORMANCE CHECKLIST**

**INSTRUCTIONS:**

The trainee must satisfactorily perform all parts of the task without assistance. Evaluate the trainee's performance using this checklist.

<b>DID THE TRAINEE....?</b>	<b>YES</b>	<b>NO</b>
1. Survey area and identify pest		
2. Select proper pesticide for pest problem		
3. Select the correct equipment		
4. Don proper PPE to mix pesticide		
5. Don proper PPE before application began		
6. Clean up the area and notify the facility occupant		
7. Clean, service, and store the sprayer correctly		

**FEEDBACK:** Trainer should provide both positive and/or negative feedback to the trainee immediately after the task is performed. This will ensure the issue is still fresh in the mind of both the trainee and trainer.

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.



## OPERATE POWERED PEST MANAGEMENT EQUIPMENT

MODULE 14

AFQTP UNIT 3

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ULTRA-LOW VOLUME (UVL) DISPENSERS (14.3.4.3.)

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**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

## OPERATE POWERED ULTRA-LOW VOLUME (UVL) DISPENSERS

### *Task Training Guide*

<b>STS Reference Number/Title:</b>	14.3.4.3., Ultra-Low Volume (UVL) dispensers (Operate Powered Pest Management Equipment).
<b>Training References:</b>	<ol style="list-style-type: none"> <li>1. <a href="#">AFPMB TIM 24, Contingency Pest Management Pocket Guide.</a></li> <li>2. Manufactures Manuals.</li> <li>3. CD-ROM Air Force Qualification Training Package (AFQTP) 3E4X3 Environmental Controls, Version 1.0, Nov 99: <i>Operation &amp; Maintenance of Pest Management ULV Equipment.</i></li> <li>4. <a href="#">Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</a></li> </ol>
<b>Prerequisites:</b>	<ol style="list-style-type: none"> <li>1. <b>Possess as a minimum a 3E4X3 AFSC.</b></li> <li>2. <b>Review the following references:</b> <ol style="list-style-type: none"> <li>2.1. Applicable manufacturer manual.</li> <li>2.2. AFPMB TIM 24.</li> <li>2.3. Military Pest Management Handbook, Chapter 4, Pesticide Dispersal Equipment.</li> </ol> </li> <li>3. <b>Complete CD-ROM AFQTP 3E4X3 Environmental Controls, Version 1.0, Nov 99: <i>Operation &amp; Maintenance of Pest Management ULV Equipment.</i></b></li> </ol>
<b>Equipment/Tools Required:</b>	Ultra low volume (ULV) dispensers (Gasoline or electric powered).
<b>Learning Objective:</b>	The trainee should learn to operate the equipment.
<b>Samples of Behavior:</b>	Trainee will be able to operate the equipment.
<b>Notes:</b>	
<ol style="list-style-type: none"> <li>1. The trainee must demonstrate his/her ability to operate equipment to complete this lesson -- no exceptions.</li> <li>2. Any safety violation is an automatic failure.</li> </ol>	

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

## OPERATE POWERED ULTRA-LOW VOLUME (ULV) DISPENSERS

**1. Background:** One of the most important concerns in any pest management program is to properly select, use and care for pesticide dispersal equipment. There is a variety of pesticide formulations to choose from, there is also the need to select the equipment best designed to effectively apply those products.

**2. Complete the CD-ROM, AFQTP 3E4X3 Environmental Controls, Version 1.0, Nov 99: Operation & Maintenance of Pest Management ULV Equipment for operating an Ultra Low Volume (ULV) sprayer. Upon completion of the above-mentioned CD-ROM, properly operate a ULV using the step-by-step procedures listed.**

**NOTE:**

The review questions for this material are conducted in the above-mentioned CD-ROM.

**SAFETY:**

**READ THE LABEL AND WEAR ALL APPLICABLE PPE WHILE MIXING AND APPLYING PESTICIDES.**

**3.** The chart on the next page depicts some of the differences in the ultra low volume (ULV) dispenser available, their usages and maintenance requirements.

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Table 1, ULV Dispensers

Type	Size and Appearance	Usage	Maintenance
<p>1. Skid-mounted ULV dispensers. (Figure 1)</p>	<p>The gasoline powered ULV has 11 horsepower engine. Tank is 13 gallon capacity and is corrosive resistant. The nozzle assemble is boom mounted. Newer models have a remote control assemble which is located in the vehicle.</p>	<p>Dispenses concentrated formulations at flow rates in the range of 0.3 to 20 ounces per minute with droplet size less than 20 microns mass median diameter (MMD). Controls disease vectors such as mosquitoes over large outdoor areas.</p>	<p>Check oil every 8 hours or daily. Change oil/filter every 50 hours. Service pre-air filter every 25 hours. Service air filter every 100 hours. Clean cooling system every 100 hours. Flush formulation system every 8 hours or daily. Inspect battery fluid every 50 hours. Clean formulation filter every 50 hours. Inspect flexible drive coupling every 100 hours.</p>
<p>2. Hand held ULV dispensers. (Figure 2)</p>	<p>Will vary considerably, depending on if they are battery operated or if they are ran by a small engine,</p>	<p>Control of flying insects, Stored product pest, flies mosquitoes, etc</p>	<p>The rotary blower oil should be checked every 8 hours or daily. Clean air filter every 100 hours. Grease blower every 100 hours. <b>Note:</b> The changing of oil, oil filters and air filters may be more often because of high temperatures and dusty conditions. <b>Follow guidelines in owner's manual.</b></p>

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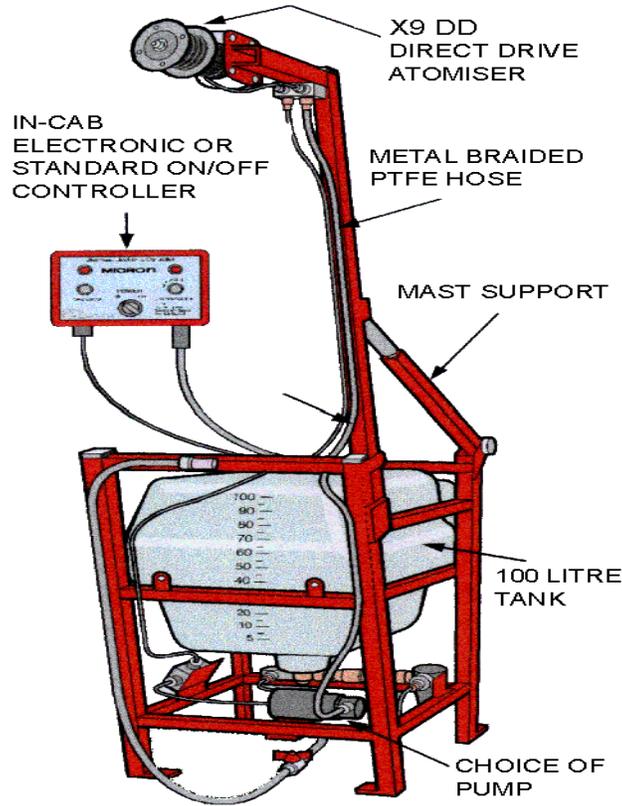


Figure 1, Skid Mounted ULV Dispensers

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.



Figure 2, Hand Held ULV Dispensers

4. The step-by-step procedures for operating the ULV dispensers are listed below.

**Step 1:** Determine the pest to be eradicated, make sure that you have done your research using any pictorial keys or dichotomous keys available at your disposal from reputable field guides.

**Step 2:** Select the proper pesticide to be applied, to control the identified pest and the area that control procedures will be conducted.

**Step 3:** Select the appropriate ultra low volume (ULV) dispenser.

3.1. This will depend on the area to be treated, either inside or outside.

3.2. Perform the pre-inspection of the ULV to make sure its in proper functioning order before applying the pesticide.

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**Step 4: Fill the pesticide dispersal equipment with the desired amount of selected pesticide.**

**Step 5: Start your pesticide treatment.**

**Step 6: Clean the equipment by wiping down any residue located on the outside of the ULV.**

**6.1.** Check with shop supervisor as whether to leave remaining pesticide within the ULV or to remove it into the original pesticide container, (By leaving it in the ULV your limiting your exposure to the pesticide.).

**6.2.** If leaving chemical within the equipment, check the shop policy on the correct procedure for storing and identifying pesticide left inside the equipment.

**Notice.** This AFQTP is NOT intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**NOTE TO TRAINER:**

Come up with a hypothetical situation where the trainee must use a powered ULV to perform a specific task. Ensure the trainee performs all aspects of the job using all the appropriate PPE needed.

**OPERATE POWERED ULTRA-LOW VOLUME (ULV) DISPENSERS**

**PERFORMANCE CHECKLIST**

**INSTRUCTIONS:**

The trainee must satisfactorily perform all parts of the task without assistance. Evaluate the trainee's performance using this checklist.

<b>DID THE TRAINEE....?</b>	<b>YES</b>	<b>NO</b>
1. Survey area and identify pest		
2. Select proper pesticide for pest problem		
3. Select the correct equipment		
4. Don proper PPE to mix pesticide		
5. Don proper PPE before application began		
6. Clean and store the equipment correctly		

**FEEDBACK:** Trainer should provide both positive and/or negative feedback to the trainee immediately after the task is performed. This will ensure the issue is still fresh in the mind of both the trainee and trainer.



## OPERATE POWERED PEST MANAGEMENT EQUIPMENT

MODULE 14

AFQTP UNIT 3

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ROTO-HAMMERS (14.3.4.4.)

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**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

**OPERATE POWERED ROTO-HAMMERS**  
***Task Training Guide***

<b>STS Reference Number/Title:</b>	14.3.4.4., Roto-Hammers (Operate Powered Pest Management Equipment).
<b>Training References:</b>	<ol style="list-style-type: none"> <li>1. <a href="#">AFPMB TIM 24, Contingency Pest Management Pocket Guide.</a></li> <li>2. Manufactures Manuals.</li> <li>3. CD-ROM Air Force Qualification Training Package (AFQTP) 3E4X3 Environmental Controls, Version 1.0, Oct 2000: <i>Manual and Powered Pest Management Equipment.</i></li> </ol>
<b>Prerequisites:</b>	<ol style="list-style-type: none"> <li>1. <b>Possess as a minimum a 3E4X3 AFSC.</b></li> <li>2. <b>Review the following references:</b> <ol style="list-style-type: none"> <li>2.1. Applicable manufacturer manual.</li> <li>2.2. AFPMB TIM 24.</li> </ol> </li> <li>3. <b>Complete CD-ROM AFQTP 3E4X3 Environmental Controls, Version 1.0, Oct 00: <i>Manual and Powered Pest Management Equipment.</i></b></li> </ol>
<b>Equipment/Tools Required:</b>	<ol style="list-style-type: none"> <li>1. Computer to support AFQTP CD-ROM.</li> <li>2. Roto hammer.</li> <li>3. Masonry bit.</li> <li>4. Vise grips.</li> <li>5. Power interrupter.</li> <li>6. Electrical cord.</li> </ol>
<b>Learning Objective:</b>	The trainee should learn to operate roto-hammer.
<b>Samples of Behavior:</b>	Trainee will be able operate the roto-hammer correctly.
<b>Notes:</b>	
<ol style="list-style-type: none"> <li>1. The trainee must demonstrate his/her ability to operate equipment to complete this lesson-- no exceptions.</li> <li>2. Any safety violation is an automatic failure.</li> </ol>	

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

## OPERATE POWERED ROTO-HAMMERS

**1. Background:** The roto hammer is a large industrial drill with a hammering mechanism. The main use of the roto hammer is to drill holes through masonry for sub-slab injection of Termiticides.

**2. Complete the CD-ROM, AFQTP 3E4X3 Environmental Controls Versions 1.0, Oct 00: Manual and Powered Pest Management Equipment for operating a Roto Hammer. Upon completion of the above-mentioned CD-ROM, properly operate a Roto Hammer of choice using the step-by-step procedures listed.**

**NOTE:**

The review questions for this material are conducted in the above-mentioned CD-ROM.

**SAFETY:**

**READ THE LABEL AND WEAR ALL APPLICABLE PPE WHILE MIXING AND APPLYING PESTICIDES.**

3. The following chart depicts the usage and maintenance requirements for roto-hammers.

Type	Size and Appearance	Usage	Maintenance
1. Roto hammer. (Figure 1)	Three quarter inch heavy-duty roto hammer. The Drill has a hex rod which helps in drilling holes to set depths. It has support handle which aids in supporting roto hammer when drilling. Support handle is interchangeable from side to side. Roto hammer has various bits but the rotary carbide bit is used primarily.	The roto hammer is mainly used to drill holes into masonry and for sub slab drilling through pavement so termiticides can be applied under the slab.	Apply three squirts of SAE 10W turbine oil into the nose and in the oil reservoir for automatic oiler. Ensure the drill bit shank is clean before installation. Ensure the hammer is grounded before you use it. Adjust the clutch torque before use. This prevents spinning of drill if it binds. Check the clutch while operating roto hammer. The clutch may tighten or loosen during operation. <b>Follow guidelines in owner's manual.</b>

**Notice.** This AFQTP is *NOT* intended to replace the applicable technical references nor is it intended to replace hands-on training. It is to be used in conjunction with these for training purposes only.

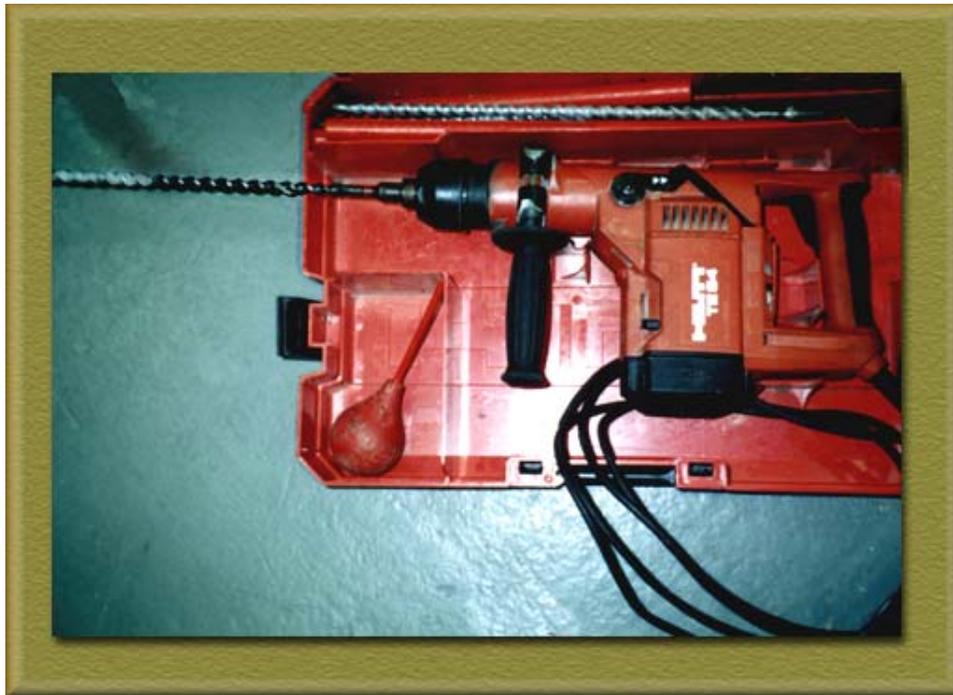


Figure 1, Roto Hammer

4. The step-by-step procedures for operating the roto hammer are listed below.

**Step 1:** Identify termite infestation location, make sure you have done your research and know which species of termites you are dealing with, subterranean, dry wood, desert, or formosan.

**Step 2:** If termites are located under masonry slabs or in concrete masonry walls, then the roto hammer shall be used.

**Step 3:** Holes are drilled every twelve inches to the entire area to be treated, recheck the label for specific directions.

**Step 4:** While drilling holes, periodically check the oil and condition of the bit.

4.1. When starting, keep the bit against the wall/slab surface and depress the trigger keeping the bit as straight as possible to prevent binding.

**Step 5:** Also check the clutch to prevent bit slippage.

**Step 6:** Occasionally pull up on the drill to clean out the hole of excess dust while drilling clean bit of excess dust.

**Step 7:** Allow roto hammer to cool while performing large jobs and use a circuit interrupter in case you hit a metal object, which will shut the equipment down.

7.1. This prevents you from drilling into any buried utility lines.

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**Step 8: Apply termiticide to the area through the drilled holes.**

8.1. For the pesticide application, select the proper equipment such as a hydraulic sprayer using low pressure approximately 20 psi and a T-jet injector.

**NOTE:**

It is very important that you read the pesticide label very carefully and understand the directions where you can and cannot use this pesticide under certain conditions. Remember, the label is the **LAW** in applying pesticides. Also, determine the amount of pesticide needed and wear all applicable PPE while mixing and applying liquid pesticides.

**Step 9: Fill the drilled holes with concrete or other appropriate material to make it look as professional as possible and clean up the area before leaving the job.**

**Step 10: Remove the drill bit and inspect for any wear.**

10.1. Check the drill for any damaged parts (example: electrical cord, drill housing) as you wipe it off.

10.2. When finished, place the drill back into its container and/or tool room.

10.3. In addition, ensuring that the stop bracket, support handle, greases tube etc. is placed back into the box.

10.4. Inspect the, circuit interrupter, additional electrical cords used, and clean all other masonry tools and equipment which was needed to complete job and store appropriately in a safe and dry area.

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**NOTE TO TRAINER:**

Come up with a hypothetical situation where the trainee must use a roto-hammer to perform a specific task. Ensure the trainee performs all aspects of the job using all the appropriate PPE needed.

**OPERATE POWERED ROTO-HAMMERS**

**PERFORMANCE CHECKLIST**

**INSTRUCTIONS:**

The trainee must satisfactorily perform all parts of the task without assistance. Evaluate the trainee's performance using this checklist.

<b>DID THE TRAINEE....?</b>	<b>YES</b>	<b>NO</b>
1. Survey the area for termite locations		
2. Operate the roto-hammer correctly		
3. Select proper equipment to perform termiticide application		
4. Don proper PPE for this operation		
5. Perform post-operation maintenance to the equipment, clean up the area, and store tools in a safe dry place		

**FEEDBACK:** Trainer should provide both positive and/or negative feedback to the trainee immediately after the task is performed. This will ensure the issue is still fresh in the mind of both the trainee and trainer.

**NOTE:**

Inform your supervisor once you have reviewed all the charts listed in this AFQTP and have successfully completed the material and exercises within the CD-ROMs. The appropriate CD-ROM to use is listed in the training reference section of the Task Training Guide. Once you have completed all the material, you are ready to demonstrate to your trainer the hands-on portion of this AFQTP.

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MEMORANDUM FOR HQ AFCESA/CEOF  
139 Barnes Drive Suite 1  
Tyndall AFB, FL 32403-5319

FROM:

SUBJECT: Qualification Training Package Improvement

1. Identify module.

Module # and title \_\_\_\_\_

2. Identify improvement/correction section(s):

<input type="checkbox"/> STS Task Reference	<input type="checkbox"/> Performance Checklist
<input type="checkbox"/> Training Reference	<input type="checkbox"/> Feedback
<input type="checkbox"/> Evaluation Instructions	<input type="checkbox"/> Format
<input type="checkbox"/> Performance Resources	<input type="checkbox"/> Other
<input type="checkbox"/> Steps in Task Performance	

3. Recommended changes--use a continuation sheet if necessary.

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4. You may choose to call in your recommendations to DSN 523-6380 or FAX DSN/Commercial 523-6488 or (850) 283-6488 or email [ceof.helpdesk@tyndall.af.mil](mailto:ceof.helpdesk@tyndall.af.mil).

5. Thank you for your time and interest.

YOUR NAME, RANK, USAF  
Title/Position