

**Thank you for purchasing this Hudson sprayer. Like any quality tool, it should be used and maintained properly. Here is important safety information and easy-to-follow instructions that will make using your sprayer easier and more effective.**

**Please do not return sprayer to retailer. If you have a problem or question, call our 24-hour consumer help line: 1-800-9-SPRAYER (1-800-977-7293)**

# **1 Before you assemble and use your sprayer, read the following safety information. It is helpful and important!**

## **DANGER!**

This sprayer operates with liquid under pressure. Failure to observe CAUTIONS and follow instructions for use and maintenance can cause tank, hose or other parts to become corroded, weakened and/or burst. This can result in SERIOUS INJURY or PROPERTY DAMAGE from forcible ejection of parts or high pressure discharge of spray material.

**DO NOT USE ANY FLAMMABLES IN THIS SPRAYER** as it is not designed nor intended for such use. Some spray materials can ignite or explode. Do not spray in an enclosed space, near an open flame such as found in a BBQ grill or water heater, near an electric motor or open switch, or any source of heat. DO NOT SMOKE while spraying. Use of flammables could result in SERIOUS INJURY or PROPERTY DAMAGE from unintended ignition or explosion.

**DO NOT USE ANY CAUSTICS OR ACIDS IN THIS SPRAYER**, since these can damage or weaken the sprayer and its parts, resulting in SERIOUS INJURY or PROPERTY DAMAGE from unintended discharge.

## **CAUTION!**

- Before using any pesticide or any other spray material in your sprayer, READ THE LABEL ON THE SPRAY MATERIAL CONTAINER AND FOLLOW EXACTLY ITS INSTRUCTIONS FOR MIXING AND USE INCLUDING THE NEED FOR PROTECTIVE CLOTHING. Some spray materials are dangerous and should not be used in this sprayer as they can damage the sprayer or its parts, or may be harmful to the user. This could result in SERIOUS BODILY INJURY or PROPERTY DAMAGE.
- BEFORE USING YOUR SPRAYER, thoroughly INSPECT both inside and outside of sprayer. Be sure the hose is securely attached to the tank and on/off valve, and that the spray wand and nozzle are all attached and not damaged. A loosely connected hose, on/off valve, spray wand or nozzle can come off when sprayer is under pressure and cause SERIOUS INJURY or PROPERTY DAMAGE.
- DO NOT PRESSURIZE sprayer if tank, hose or other parts appear to be damaged, discolored, brittle, excessively soft or loose.
- DO NOT PUMP or use sprayer with head or body over pump as pressure in sprayer can forcibly eject pump if it is not properly locked in place, and this can cause SERIOUS INJURY by striking the user.
- DO NOT use hot or boiling liquids in sprayer since this may weaken or damage tank, pump or hose.
- DO NOT PRESSURIZE WITH ANY MECHANICAL DEVICE such as an air compressor, since this can create dangerous pressure and bursting of parts and result in SERIOUS INJURY.

### **WARNING: Make sure you RELEASE ALL OF THE PRESSURE in the sprayer...**

- Immediately after each use, even if you stop spraying for just a few minutes.
- Before removing pump, hose, spray wand or nozzle. (Removing any part while sprayer is under pressure will result in high pressure discharge, and can cause SERIOUS INJURY.)
- Before trying to unclog nozzle, spray wand, on/off valve or hose.
- Before servicing sprayer in any way.
- When sprayer is left in the sun or other warm place.

- Wear a long-sleeved shirt, pants, gloves, goggles or similar protective clothing when spraying.
- Do not leave residue or spray material in sprayer after use. It may harden and clog the sprayer or its parts.
- Empty, clean and drain sprayer tank and hose after each use according to directions.
- Do not smoke or eat while mixing spray materials or spraying, and wash up afterwards.
- Use only Hudson replacement parts when servicing your sprayer. Other parts may not fit properly or may be weakened by spray materials and fail under pressure, resulting in SERIOUS INJURY from forcible ejection of parts or unexpected high pressure discharge of spray material.
- **WARNING:** Keep sprayer and all spray materials away from children and pets.

### **HUDSON LIMITED WARRANTY**

#### **DURATION OF THIS WARRANTY:**

Stain-Preserve-Seal™ (SPS), Weed 'n Bug Eliminator™, **1 YEAR** • Leader®, Farm & Garden™: **2 YEARS** • Bugwiser®, Pumphless™, Preferred, Yard & Garden, Yard Bird®: **5 YEARS** • Premium™, Classic™, Classic Plus™: **10 YEARS**

H.D. Hudson Manufacturing Company warrants to the original consumer purchaser of this product at retail that it is free from problems in materials and workmanship for the period specified above from the original date of purchase. This warranty does not apply to damage to the product resulting from accident, misuse, neglect, alteration, modification, tampering, or failure to follow instructions supplied with the product. This warranty does not cover normal wear and tear of o-rings or seals, and, except for Tek, Comando, Constructo.Industro and ULV sprayers and the Granule Applicator, the warranty shall be void if the product is used commercially.

If the product or any part of it should malfunction within the warranty period, telephone our CUSTOMER SERVICE DEPARTMENT at 1-800977-7293 for fast service. We will, at our option, repair or replace any problem parts free of charge. We retain the option of requiring the prepaid return of the product, along with proof of purchase, to H.D. Hudson Manufacturing Company, 200 West 2nd Street, Hastings, MN 55033.

This warranty is valid only in North America.

You must retain your sales receipt as proof of the date of purchase and include it with any return of the product.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR CONSUMER USE, ARE LIMITED TO 1 YEAR. H.D. HUDSON MANUFACTURING COMPANY EXCLUDES LIABILITY UNDER THIS WARRANTY FOR ANY AND ALL INCIDENTAL AND CONSEQUENTIAL LOSS OR DAMAGES.

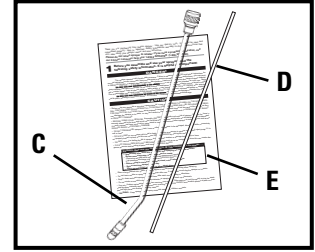
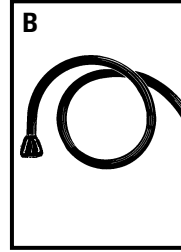
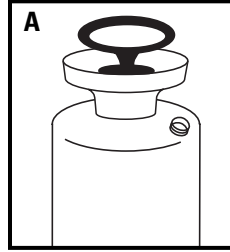
Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential loss or damages, so these limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## 2 Here's how to assemble your sprayer:

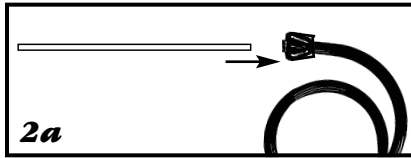
### Check carton for:

- Sprayer tank with pump (A)
- Hose assembly with on/off valve (B)
- Plastic bag that contains:
  - Spray wand with nozzle (C)
  - Supply tube (D)
  - Instructions (E)

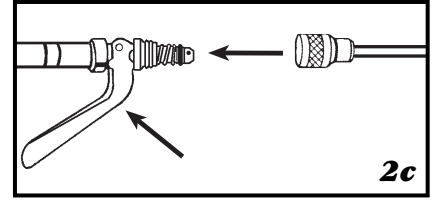


If any part is missing, please call 1-800-9-SPRAYER to order a replacement. The line is open 24 hours daily.

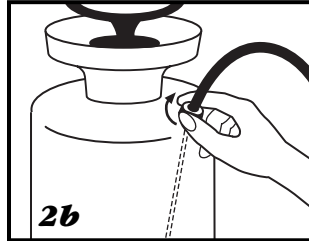
**2a.** Insert supply tube into open end of hose.



**2c.** Attach spray wand to on/off valve.  
NOTE: Squeeze handle for easier threading.



**2b.** Insert the supply tube into the tank and securely thread on the cap nut. **CAUTION:** Make sure the cap nut is threaded all the way down. If loose, it may come off with force or spray may escape resulting in **SERIOUS INJURY.**



### For sprayers with a poly control valve/wand combination:

Follow steps 2a and 2b, then:

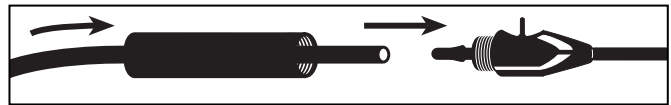
- Insert hose into non-threaded end of handle and push all the way through the handle.
- Push hose onto end of on/off control.

**Important: Be sure it is all the way over the barb!**

- Screw handle on to the on/off valve. Note:

*This is not a compression fitting, but it is normal for it to screw on tightly.*

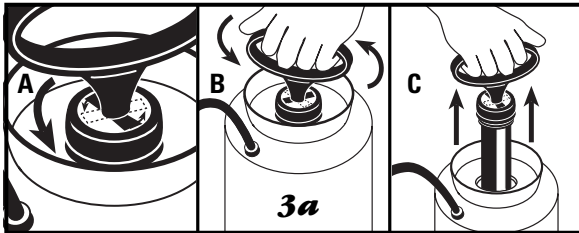
**2d**



## 3 Here's how to fill your sprayer:

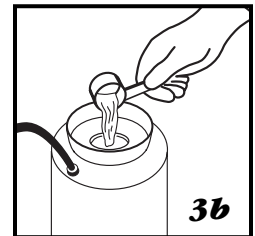
Before filling, be sure to read, understand and follow exactly the label instructions on spray material container!

**3a.** With pump handle all the way down and in the locked position (A), turn to left (B) and lift out the pump (C).



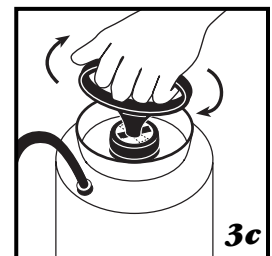
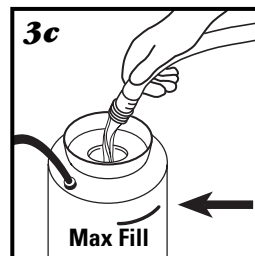
**3b.** Pour measured amount of spray material into the open tank.

Follow label directions on spray material container for amount to use.



**3c.** Add water as directed. Don't fill beyond the **MAX FILL** line.

Replace pump and turn into place, turning only hard enough to seal.



### NOTE:

Do not try to remove pump by unscrewing pump cap. Doing so will cause pump cylinder to stay inside the tank and you will not be able to fill it.

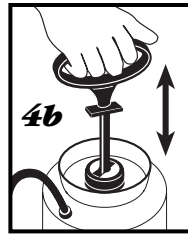


## 4 Here's how to pressurize (pump up) your sprayer:

**4a.** Unlock pump handle by pushing down and turning handle. Do not unscrew pump cap or remove pump.



**4b.** Using the handle, pump up and down. The more you pump, the more pressure you will build up inside the tank. When it becomes difficult to pump, your tank has reached maximum pressure. **Do not stand so head is over pump.**



**NOTE:**

- Use low pressure (fewer strokes) for a coarse spray.
- Use high pressure (more strokes) for a fine mist or a long-reaching stream.

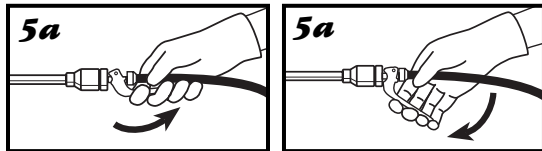
**NOTE:** If you own a Hudson Pumpless™ sprayer, please see page 6 for instructions on how to pressurize with hose.

## 5 Here's how to spray:

**5a. For sprayers with metal Roto Valve™.**

Squeeze handle to spray

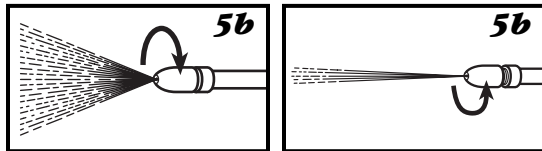
Release handle to stop



**5b. Adjust the nozzle.**

Tighten nozzle for fine mist

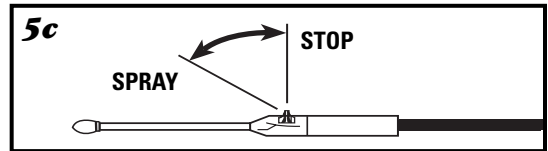
Loosen nozzle for coarse or long range



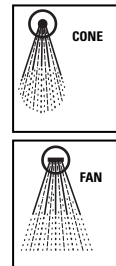
**5c. For sprayers with poly valve.**

Push button to spray

Pull back button to stop

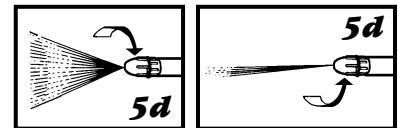


**5d. Select a cone or fan pattern nozzle.**



Tighten nozzle for fine mist

Loosen nozzle for coarse or long range

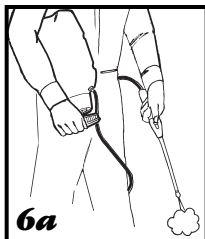


**NOTE:** If you tighten the nozzle all the way down, the spray may stop completely.

## 6 Here's how to release the pressure in your sprayer:

**WARNING:** Always release pressure before trying to service sprayer in any way or before removing or disconnecting nozzle, spray wand, valve, hose or any other part!

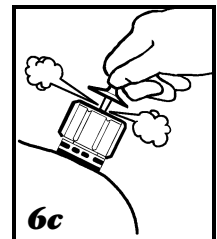
**6a.** Turn sprayer upside down and turn nozzle away from you. Squeeze lever or push button to on and let all the air escape.



**6b.** Turn sprayer up-right and slowly unscrew pump from tank and remove it. **Do not stand so head is over pump.**



**6c.** If your sprayer is equipped with a pressure release on the tank, you may lift the top portion and hold it until all air has escaped. Then remove pump.



# 7 Here's how to service and maintain your sprayer:

## Important TIPS and Information

- A. Clean and dry your sprayer after every use to greatly prolong its useful service life. Many spray materials will harden if left in the sprayer and plug up the nozzle, shut-off valve or supply tube.
- B. The soft parts—O-rings and gaskets—will ultimately wear out and need replacing, just like the oil filter on your car, for example. How often they need replacing depends on how much you spray, the spray materials you use and whether or not the sprayer is regularly cleaned after use.
- C. If you leave your sprayer in the garage over Winter, particularly in northern areas, the soft parts may dry out and need servicing before you use your sprayer for the first time in the Spring.



### Maintenance Kit.

A maintenance kit containing your sprayer's soft parts is available from your dealer. It is our Model #6985. If you prefer, you may order one by calling **1-800-9-SPRAYER**. The line is open 24 hours daily.

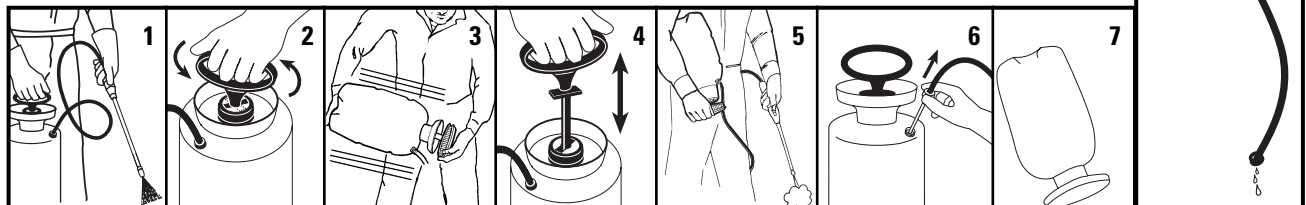
## WARNING!

**Make sure all of the pressure in your sprayer is released according to instructions in item 6 before cleaning or servicing your sprayer in any way or before removing any part of it!**

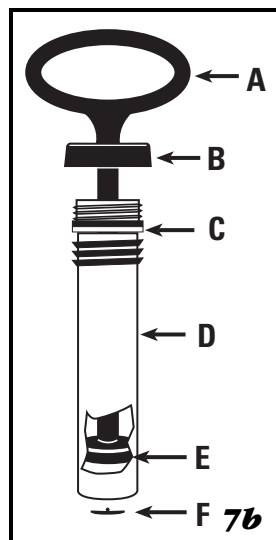
### 7a. Clean your sprayer each time you finish using it to help keep it trouble-free.

1. When finished with job, spray away all the material in your sprayer or empty it into original spray material container.
2. Remove pump and add some clean water and a few drops of liquid dish washing soap.
3. Replace pump and shake tank to mix soap and water.
4. Pressurize and spray out soapy solution.
5. Release any pressure remaining and remove pump.
6. Remove hose and supply tube by unscrewing connection at tank. (No tools required.)
7. Turn tank upside down and let dry.
8. Holding hose and spray wand up, open on/off valve and let wand and hose drain.

**TIP: Back-flush your wand, hose and supply tube with garden hose for maximum cleansing.**



### 7b. If you have trouble pumping up your sprayer or if liquid gets inside pump:



**A. Plunger Assembly/Pump Handle**

**B. Pump Cap**

**C. Cylinder Gasket**

**D. Cylinder Assembly**

**E. Plunger Cup**

**F. Pump Cylinder Check Valve**

#### To open pump assembly:

Unscrew pump cap (B) and pull out plunger assembly (A) from cylinder (D).

#### If the pump leaks at the tank opening:

Clean or replace the cylinder gasket (C).

#### If pumping doesn't pressurize your sprayer:

Lubricate the plunger cup (E) with petroleum jelly or replace. (You may need to do this if you do not use your sprayer for a prolonged time, especially over winter).

#### If pump won't pressurize and/or liquid gets into the pump:

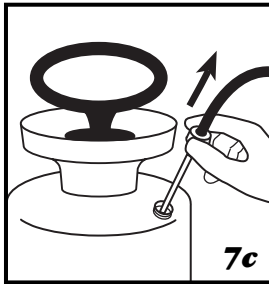
Clean or replace the pump cylinder check valve (F).

**NOTE: If you own a Hudson Weed 'n Bug Eliminator™, Eliminator™, Rose & Garden™ or Flower & Garden™ sprayer, please see page 6 for instructions on how to disassemble the pump in your sprayer.**

**7c. If you have a leak at hose connection or if nothing but air comes out of nozzle:**

**CAUTION!**

Make sure pressure is released **BEFORE** removing cap nut.  
Always make sure cap nut is securely tightened onto tank before pressurizing.



**Removing hose and supply tube.**

Release pressure! Unscrew the cap nut (no tools required) and lift hose and supply tube out.

**If sprayer leaks at hose connection:**

Clean and tighten cap nut or replace the O-ring inside the cap nut.

**If you pump up the sprayer and nothing but air comes out of the nozzle:**

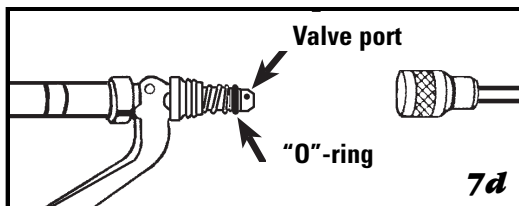
The supply tube has become loose. Release pressure in tank. Remove the cap nut and hose, and re-insert the supply tube into the hose and then reassemble to tank.

**NOTE:** The cap nut can be hand-tightened. No tools required.

**7d. If on/off control valve leaks or spray won't shut off:**

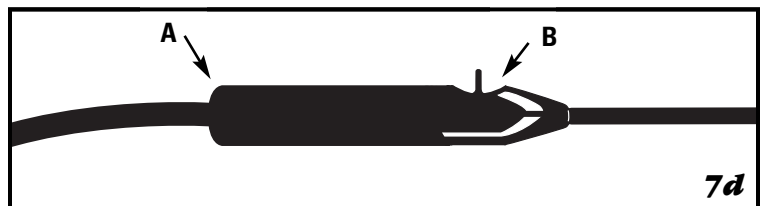
**CAUTION!**

Make sure pressure is released **BEFORE** removing hose from valve or spray wand from valve.  
Make sure hose, wand and valve connections are tight before pressurizing.



**If there is a leak between control valve and wand or if spray will not shut off:**  
Clean or replace O-rings on wand and valve.

**If little or no spray is coming out of nozzle:**  
Clean the ports in the valve with a tooth pick and flush with water from the hose.



**A If your control valve is leaking here:**

Remove handle and check for loose or damaged hose. If hose is damaged remove and cut off bad part and replace over barb.

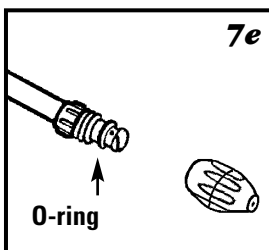
**B If control valve is leaking here or it won't shut off:**

Replace the control valve and wand. If store does not have parts, please call **1-800-9-SPRAYER** and ask for part #149-428.

**7e. If the nozzle leaks or becomes clogged:**

**CAUTION!**

Make sure pressure is released **BEFORE** removing nozzle.  
Make sure nozzle is securely threaded back onto spray wand before pressurizing sprayer.



**If there is a leak between nozzle and spray wand:**

Release pressure, unscrew nozzle and clean or replace O-ring on the end of the wand.

**If nozzle becomes clogged:**

Release pressure, unscrew nozzle and clean nozzle orifice and ports at end of wand with a tooth pick or soft brush. (DO NOT use wire as this may damage nozzle.) Flush with water and replace.

**TIP:** If nozzle, valve or other parts seem clogged, remove the hose and supply tube and while holding on-off valve open, flush the entire discharge line with water from your garden hose. If your sprayer continually clogs, dirt or debris may have gotten into the tank. If so, empty the contents of the tank into a bucket and then clean the hose and discharge line. Put a piece of cheesecloth over the tank opening before replacing the liquid in order to strain it when you pour the contents of the bucket back into the sprayer.



**Maintenance Kit.**

A maintenance kit containing your sprayer's soft parts is available from your dealer. It is our Model #6985. If you prefer, you may order one by calling **1-800-9-SPRAYER**. The line is open 24 hours daily.

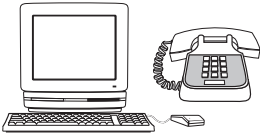
## 8 Here's where to get additional help and information:



**1-800-9-SPRAYER (1-800-977-7293)**

Consumer care line open 24 hours daily!

- Order parts.
- Warranty service.
- Questions about assembling or using your sprayer.



**www.hdhudson.com**

**Visit us on the worldwide web!**

- Complete catalog of Hudson sprayers and dusters.
- Helpful spraying and gardening information.
- Downloadable parts descriptions and diagrams.



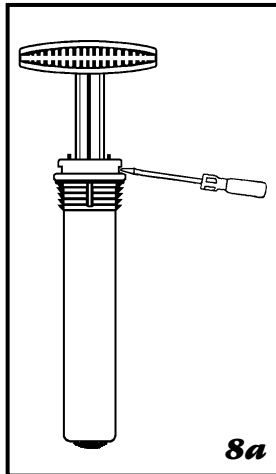
**H. D. Hudson Manufacturing Company**

**500 N. Michigan Avenue**

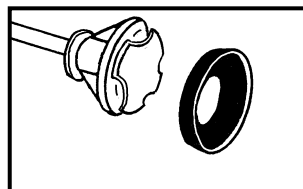
**Chicago, IL 60611-3769**

**NOTE: Please do not ship your sprayer or parts to our office in Chicago unless you are specifically requested to do so! Unsolicited returns to Hudson will not be accepted or acknowledged. Instead, phone 1-800-9-SPRAYER (1-800-977-7293) for assistance.**


**Pump maintenance instructions for owners of Weed 'n Bug Eliminator™, Eliminator™, Rose & Garden™ and Flower & Garden™ sprayers.**




1. Lift up (extend) plunger handle and rod from cylinder.
2. Lay pump on flat surface and hold securely.
3. Insert small screwdriver into slot in cylinder.
4. Push in and carefully push up to disengage locking tabs on collar. *Do not use excessive force.* Collar **does not** pop out. Work both slots. Pull up on plunger handle. Plunger will pull out and separate from cylinder if locking tabs on collar are disengaged.



### **How to Pressurize by Pumpless Method**

1.  Seal the pump. Run water thru garden hose to remove excess air. Thread connector onto hose.

2.  Push connector onto red adapter on tank. Turn on water and fill to "MAX FILL" line on tank; shut water off. Pull back collar on the coupler to remove it from the sprayer. The air trapped inside the tank has been compressed by the water and you are ready to spray. NOTE: If you release the pressure before using all the spray material, use the conventional method to repressurize sprayer.



***Please do not return sprayer to retailer. If you have a problem or question,  
call our 24-hour consumer help line: 1-800-9-SPRAYER (1-800-977-7293).***

***S.V.P. ne pas retourner le pulvérisateur chez le détaillant. Si vous avez quelque problème  
ou une question, contactez notre service d'assistance  
à la clientèle (24 hres) : 1- 800 - 9 - SPRAYER (1-800-977-7293).***

***Por favor no devuelva el aspersor al detallista. Si tiene cualquier problema  
o una pregunta, llame a nuestro servicio  
al cliente (24 horas) al : 1- 800 - 9 - SPRAYER (1 - 800 - 977- 7293).***

Visit our web site: [www.hdhudson.com](http://www.hdhudson.com)