



RedMax[®]

596766202

48 oz Handheld Sprayer

Use and Care Manual



⚠ CAUTION: Read and follow all instructions

For Help, Information or Parts, Contact your nearest authorized service dealer. Visit RedMax[®] online at www.redmax.com.

Manual No. 183854

Rev. 03/09/20/18

ECN18-078

5 1/2" x 8 1/2" Booklet

SAFETY PRECAUTIONS

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- Read owner's manual completely before operating this sprayer.
- Always use goggles, gloves, and protective clothing when using sprayer.
- Read and follow all instructions and cautions on label of products used in this sprayer.
- Never use flammable liquids, caustics, acids, or hot water in this tank.
- Do not leave sprayer in the sun when not in use.
- Spray when air is calm to prevent drift of chemicals.
- Do not use sprayer near open flame or anything that could cause ignition of the spray.
- Do not pressurize with any mechanical device such as an air compressor, since this can create a dangerous pressure level and bursting of parts resulting in serious injury. Only use original pump.
- Do not store chemicals in this tank.
- Always release pressure when sprayer is not in use and before removing pump from tank.
- Do not stand with face or body over top of tank when pumping or loosening pump, to prevent pump or solution from striking you, resulting in serious injury.
- **CLEAN AND RINSE THE SPRAYER THOROUGHLY AFTER EACH USE.**
- Never attempt to alter sprayer from original condition.
- Always use replacement parts from original manufacturer.
- Keep the sprayer and all chemicals out of the reach of children.

WARNING

ALWAYS CLEAN THE SPRAYER THOROUGHLY AFTER EACH USE OR WHEN CHANGING APPLICATIONS AS DESCRIBED IN THE *CLEANING THE SPRAYER* SECTION. FAILURE TO COMPLETELY CLEAN MAY CAUSE CROSS-CONTAMINATION.

CAUTION

Always empty, clean and dry tank, and pump system, after each use.

FAILURE TO DO SO MAY WEAKEN SPRAYER COMPONENTS, CAUSING COMPONENTS TO RUPTURE WHEN PRESSURIZED. Additionally, FAILURE TO CLEAN AND PROPERLY MAINTAIN YOUR SPRAYER WILL VOID MANUFACTURER'S WARRANTY. (SEE PAGE 11).

WARNING

The sprayer is operated with liquid under pressure. Failure to observe caution and to follow instructions for operating and cleaning can cause tank, and other parts to be weakened and rupture under pressure. This can result in serious injury from high pressure discharge of liquids or forcible ejection of parts. Do not use flammable materials in this sprayer. Material could ignite or explode, causing serious injury and/or possible death. For safe use of this product, you must read and follow all instructions before use.

TEST SPRAYER WITH WATER BEFORE USING ANY CHEMICALS.

If you experience problems or have questions contact your nearest authorized service dealer. Visit RedMax® online at www.redmax.com.

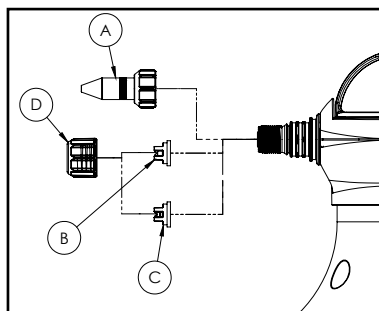
ASSEMBLY INSTRUCTIONS

English

Français

Español

SELECT USING NOZZLE CHART BELOW
(Nozzle selections may vary by model)



Also accepts TeeJet® tips

- A. Adjustable Cone Nozzle
- B. Red High-Volume Fan Nozzle
- C. Yellow Low-Volume Fan Nozzle
- D. Cap Nut

ADJUSTABLE CONE USES:

- Spot spraying in or around flower beds, trees, and shrubs.
- Edging along fences, driveways, and walkways.
- Killing brush such as poison ivy, poison oak, kudzu and wild blackberry.
- Preparing garden beds for planting of ornamentals and vegetables.

RED HIGH VOLUME FAN NOZZLE USES:



- Lawn replacement. Kill lawn and weeds before planting a new lawn.
- Preparing large areas for planting of ornamental and vegetable gardens.

YELLOW LOW VOLUME FAN NOZZLE USES:



- For precision spraying in confined areas such as gardens and flower beds.

OPERATING INSTRUCTIONS

Filling

IMPORTANT: Always make sure the pressure is released from the tank before filling or servicing. Push/slide the pressure release valve forward until all the pressure is released from the tank, (Figure A), as described in *Release Tank Pressure* Section. Then, and only then, is it safe to remove pump.

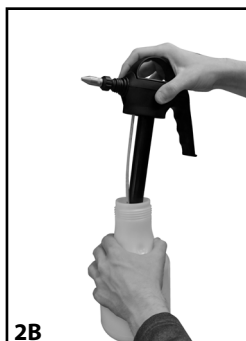
1. Turn the pump counterclockwise to remove the pump. (Figure B)
2. Fill the tank to the desired level. See fill marking on side of tank. (Always refer to chemical manufacturer for proper mixture).
3. Install the pump into the tank opening and turn clockwise until tightly sealed against the tank.



Figure A



1B



2B

Figure B

OPERATING INSTRUCTIONS CONTINUED

Pressurizing

1. Pressurize the sprayer by pumping the handle in a smooth up and down motion. **(Figure C).**



Figure C

Spraying

1. Direct brass nozzle away from you and press trigger to begin spraying. **(Figure D).**
2. Turn the brass nozzle tip to adjust the spray pattern. **(Figure E).**



Figure D



Figure E

Release Tank Pressure

Pressure Release Valve (PRV)

1. Push/slide the PRV dial forward until all pressure is released from the tank. **(See Figure F).**



Figure F

Changing Nozzles

This sprayer comes with a brass adjustable cone nozzle installed. It may be replaced by one of the supplied fan tips, using the supplied cap nut.

1. Remove brass adjustable cone nozzle from sprayer by turning the plastic nozzle body counter-clockwise (**Figure G**).
2. Insert desired nozzle tip into the cap nut (**Figure H**).
3. Install nozzle tip by turning cap nut clockwise onto the nozzle base (**Figure I**).
4. Check and adjust the orientation of the fan tip before finally tightening the cap nut.
5. Pressurize the tank as described in the *Pressurizing* section, before safely using the sprayer as described in the *Spraying* section.



Figure G



Figure H



Figure I

Nozzle Maintenance

1. If nozzle clogs, remove and disassemble the nozzle assembly.
2. Clean the openings of any obstructions and reassemble.

Finish

1. Depressurize the tank as described in *Release Tank Pressure* section.
2. Turn the pump counterclockwise to remove the pump.
3. Empty any remaining liquid according to the product disposal directions.
4. Follow the *Cleaning* instructions.

Cleaning

1. Remove the pump as described in the *Finish* section.
2. Fill the tank with cool, clean tap water. Replace the pump and tighten securely.
3. Agitate the tank to rinse the chemical from the tank wall and pump.
4. Remove the pump and empty the contents into gravel or bare soil.
5. Refill the tank with cool, clean tap water.
6. Make sure the pump is free of dirt or debris and reinstall into the tank. Tighten securely.
7. Pressurize the tank as described in the *Pressurizing* section.
8. Direct the nozzle away from you and activate the trigger for at least 30 seconds to clean the sprayer.
9. Release pressure as described in the *Release Tank Pressure* section.
10. Remove the pump and empty the contents into gravel or bare soil.
11. Repeat steps 5 - 10 until thoroughly cleaned.

Sprayer Storage

1. Sprayer tank should be stored upside down, with the pump removed.
2. Do not store or leave any solution in the tank after use.
3. Store in a warm, dry location out of direct sunlight.
4. **Keep the sprayer and all chemicals out of the reach of children.**

PUMP SEAL MAINTENANCE

WARNING: ALWAYS DEPRESSURIZE SPRAYER BEFORE DISASSEMBLING AS DESCRIBED IN THE RELEASE TANK PRESSURE SECTION.

Shut-off Seal

1. Push PRV dial forward to release tank pressure (**Figure 1**).
2. Unscrew nozzle base from front of sprayer by turning counter-clockwise (**Figure 2**).
3. Remove seal from poppet (**Figure 3**).
4. Wipe away dirt and debris on seal or poppet and flush with water.
5. Inspect seal surfaces for damage and lubricate with petroleum jelly.
6. Reinstall seal onto poppet.
7. Reinstall nozzle base onto front of sprayer by turning clockwise until snug.



Figure 1



Figure 2



Figure 3

Pump Gasket

1. Remove pump from tank as described in Finish section.
2. Inspect gasket for dirt/debris or damage.
3. Without removing gasket from pump, wipe away any dirt or debris with cotton swab and flush with water (**Figure 4**).



Figure 4

Check Valve

1. Remove check valve from end of pump barrel (**Figure 5**).
2. Wipe away dirt and debris using cotton swab and flush with water (**Figure 6**).
3. Inspect seal surfaces for damage and lubricate with petroleum jelly.
4. Push check valve stem into hole at end of pump barrel to reinstall (**Figure 7**).



Figure 5

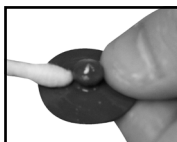
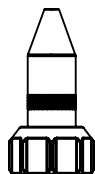


Figure 6



Figure 7

TROUBLE	LOOK FOR	REMEDY
Sprayer leaks at pump or sprayer does not build pressure.	<ol style="list-style-type: none"> 1. Dirt or debris on pump gasket or closure. 2. Chipped, torn, swollen, or defective pump gasket. 	<ol style="list-style-type: none"> 1. Clean dirt or debris from pump gasket and closure as described in Pump Seal Maintenance section. 2. Replace entire sprayer.
Sprayer material overflows through pump barrel or pump handle rises.	<ol style="list-style-type: none"> 1. Dirt or debris under check valve on pump. 2. Chipped, torn, or swollen pump check valve. 	<ol style="list-style-type: none"> 1. Clean check valve and valve sealing surface on pump as described in Pump Seal Maintenance section. 2. Replace entire sprayer.
Sprayer is difficult to pump.	Damaged piston O-ring or piston O-ring is dry.	Replace entire sprayer.
Sprayer tank leaks.	Evidence of spray material escaping from the tank.	Replace entire sprayer.
Nozzle drips when trigger is released.	<ol style="list-style-type: none"> 1. Dirt or debris between shut-off seal and poppet valve. 2. Damaged O-ring or shut-off seal. 	<ol style="list-style-type: none"> 1. Clean shut-off seal as described in Pump Seal Maintenance section. 2. Replace entire sprayer.
Nozzle tip leaks, poor spray pattern, partial spray or complete stoppage.	<ol style="list-style-type: none"> 1. Dirt or debris on O-ring. 2. O-ring is missing or damaged. 3. Nozzle clogged. 	<ol style="list-style-type: none"> 1. Remove nozzle tip and clean O-ring (Kit #1). 2. Replace entire sprayer. 3. Remove nozzle and clean as described in Nozzle Maintenance section (Kit #1).



KEY#	PART#	DESCRIPTION
1	596947701	BRASS NOZZLE KIT
includes		BRASS ADJUSTABLE NOZZLE
		YELLOW FLAT FAN NOZZLE (LOW VOLUME)
		RED FLAT FAN NOZZLE (HIGH VOLUME)
		NOZZLE CAP NUT

**SERVICE KITS, PARTS & ACCESSORIES ARE AVAILABLE
BY CONTACTING YOUR NEAREST AUTHORIZED SERVICE DEALER**

VISIT REDMAX® ONLINE AT WWW.REDMAX.COM.