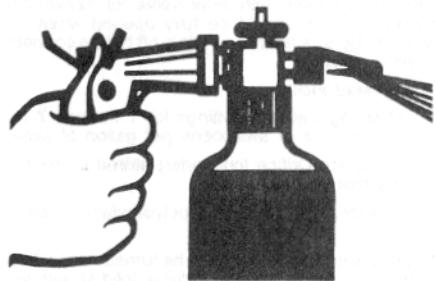


## INSTRUCTIONS AND WARNINGS

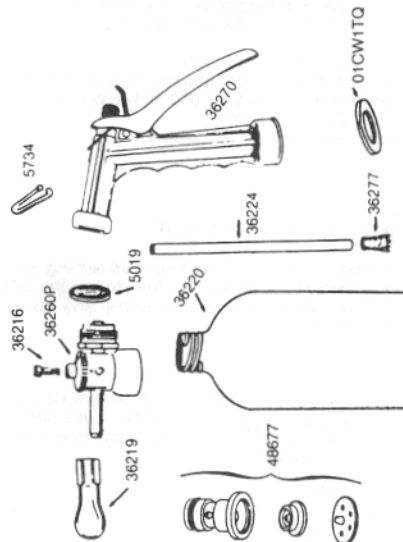
# Gilmour

## Insecticide and Fertilizer Sprayer with Metering Dial



The following parts are available separately:

Part No.	Description
36270	Sprayer Handle Complete
36260P	Mixing Head Complete
36220	Polyethylene Bottle



For Parts, Write To:

Gilmour, P. O. Box 838, Somerset, PA 15501

Rev. 5/8/02

### WARNING

Always wear eye protection that complies with current ANSI Standard Z87.1.

Do not spray during windy conditions or allow spray to reach people or animals.

Clean sprayer and bottle thoroughly after each use to prevent contamination between different chemicals.

Nozzle is equipped with an anti-siphon device to prevent chemicals from being drawn back into hose. Do not substitute nozzles.

Do not set dial between numbers. Any such setting sprays more than 10 teaspoons per gallon.

Before using, read and understand chemical manufacturer's instructions and warnings as well as those in the sprayer instruction pamphlet.

Do not spray water into an electrical outlet. Severe electrical shock could result.

**FAILURE TO HEED ALL SAFETY WARNINGS AND INSTRUCTIONS COULD RESULT IN SERIOUS BODILY INJURY OR PROPERTY DAMAGE.**

**NOTE:** The brass in this product contains lead.

**WARNING:** This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Do not place your hands in your mouth after handling the product. Do not place the product in your mouth.

*Wash your hands after touching this product.*

### REPLACEMENT PARTS FOR YOUR SPRAYER

Kit No. 362RK

Quan.	Model No.	Description
1	01CW1TQ	Hose Coupling Washer
1	5734	Hold Open Clip
1	5019	Head Coupling Washer
1	36219	Deflector
1	36224	Siphon Tube
1	36277	Monel Strainer
1	36216	Teaspoon Orifice Screw
1	48677	Anti-Siphon Unit Complete (includes Anti-Siphon Barrel, Anti-Siphon Disc & Rubber Diaphragm).

### TESTING FOR PROPER SETTINGS:

This is especially recommended if the dilution rate of the chemical is critical. For more precise metering use teaspoon orifice for teaspoon settings when possible. Fill the sprayer bottle with the chemical concentrate. Set the dial to the recommended setting and attach the water supply hose. Carefully check the contents of the sprayer bottle, spray one gallon into a measured container, and note the contents of the sprayer bottle. The amount of chemical used should be equal to the setting. If more was used, you need to move the dial to a lower setting and test again. If less was used, you need to move the dial to a higher setting and test again.

### CLEANING YOUR SPRAYER

**It is important that you flush out your sprayer after each use.** This is to insure trouble-free siphoning action and reduce any contamination between chemicals.

1st - Remove chemical from bottle and fill with clear water.

2nd - Set dial to number 10 and spray until bottle is empty.

**If the sprayer has not been cleaned, the next time you use it, it may not siphon properly.** This means that some dried chemical has clogged one or more of the openings in the mixing head. If rinsing does not clear the openings then a pointed object may need to be inserted to break through the dried chemical. Do this carefully in order not to damage the opening.

If a weed killer has been sprayed, wash bottle and mixing head with soap and water and then follow above procedure, but use 3 flushings. A second bottle is recommended for use with weed killers.

Your sprayer has an approved anti-siphon device, which is built into bottom of handle. This protects against any chemical from bottle being siphoned back into your water system. There may be a slight discharge of water through the two holes at the base of the handle when water pressure is turned on and off. This is a normal function of the anti-siphon device.

**Congratulations, you have just purchased the finest, most versatile lawn and garden sprayer available.** This Sprayer combines ease of use with precise operation. A few minutes taken to read these instructions will assure you many years of trouble-free service.

**It will spray any commercially available liquid insecticide, fertilizer, or weed killer.** The Sprayer is designed to siphon water weight liquid chemical concentrates without pre-mixing. Wettable powders and thicker liquids will require prediluting as recommended in the instruction section entitled "Prediluting".

**It automatically blends the full strength water weight liquid concentrate with water as you spray.** Just set the metering dial to the manufacturer's recommended dilution rate for your chemical. There is no waste since unused concentrate is never contaminated and can be returned to its original container.

Take a moment to familiarize yourself with your Sprayer by referring to the exploded diagram and parts list.

It has four (4) major components:

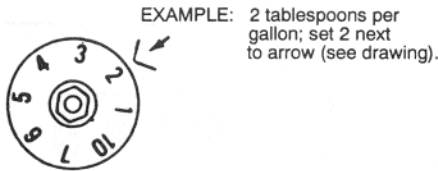
1. Pistol Grip handle with lever valve for instant on/off operation. This should be fully opened when using sprayer. Be sure hold open clip is off before connecting to water supply.
2. Mixing head including:
  - A. Metering dial with settings for 1 through 7 or 10 tablespoons or teaspoons per gallon of water.
  - B. Teaspoon Orifice (converter) stored in the top of the mixing head.
3. Unbreakable graduated pint polyethylene bottle with siphon tube and strainer.
4. Adjustable deflector which can be turned to direct spray up or down and is removable for a solid stream which carries up to 30 feet for spraying trees.

To help you determine the proper settings for your sprayer which is calibrated in tablespoons or teaspoons per gallon, note the following conversion tables:

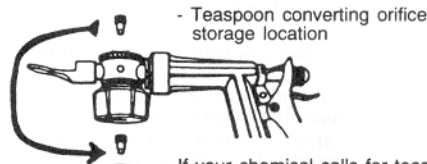
- 1 teaspoon = 5 milliliters
- 1 tablespoon = 3 teaspoons or 15 milliliters
- 1 ounce = 2 tablespoons or 6 teaspoons or 30 milliliters
- 1 pint = 16 ounces
- 1 quart = 32 ounces or 2 pints
- 1 gallon = 128 ounces or 4 quarts or 8 pints or 3.785 liters
- 1 milliliter = 0.33 ounce or .066 tablespoon or 2/10 teaspoon
- 1 liter = 1.06 quarts or .26 gallons

**SETTING AND USING SPRAYER:**

**Turn the metering dial until the desired setting number is next to the setting arrows on the side of the mixing head.** These arrows are located above and below the silver side body plug.



Your sprayer comes from the factory set to meter tablespoons per gallon and with a teaspoon converting orifice stored in the top of the mixing head.



If your chemical calls for teaspoons per gallon of water, remove the teaspoon converting orifice from its storage hole, insert it into the top of the siphon tube and slip the tube/orifice assembly back into the sleeve under the mixing head, (see drawing). The metering dial will now read in teaspoons per gallon of water. When not in use, always store orifice in the storage hole on top of mixing head.

Fill sprayer bottle with the liquid concentrate, insert siphon tube into base of mixing head, and thread bottle into head. Attach a water hose to

handle and turn on water. When you squeeze the handle you will automatically be spraying the proper number of teaspoons or tablespoons per gallon of water.

After spraying, any unused liquid concentrate can be returned to its original container.

To spray water only, simply remove the chemical bottle from the mixing head.

**PREDILUTING:**

**Wettable powders can be sprayed, but require pre-mixing.** You must be careful doing this, however, because any small undissolved particles will clog the sprayer openings.

**GENERAL FORMULA:** Set dial to 10 tablespoons and dilute powder for each gallon of finished spray in 5 ounces of water (which is 10 tablespoons).

**Directions:**

1. Determine the rate per gallon of water from the product label. (For example, 2 tablespoons).
2. Place the powder (Example, 2 tablespoons) in a separate container and add water to a pre-determined 5 fl. oz. mark. Mix well to wet thoroughly and suspend the powder. Multiples of this formula may be mixed.
3. Some powders may not dissolve completely. If using such material, to avoid blocking, transfer the mixture to the spray bottle through a funnel with a 40 mesh screen such as a paint filter.
4. Set the spray dial to 10 tablespoons. The sprayer will siphon the entire 5 fl. oz. of liquid and spray the powder at the correct dosage in 1 gallon of spray.

**NOTE:** For certain wettable powders where the rate per gallon is too high to mix freely with 5 ounces of water, mix at 1/2 rate and make 2 applications, allowing the first spray to soak-in thoroughly before respraying.

**If the viscosity (thickness) of your liquid chemical is significantly greater than that of water, the accuracy of the sprayer may be affected.** Usually pre-mixing half chemical with half water and setting the sprayer to twice the recommended setting for the chemical will provide an accurate spray. Testing is recommended.

**IMPORTANT NOTE:**

This Sprayer is designed to work most accurately at 40 to 60 pounds of water pressure. At lower pressures the dilution rate of each setting will be lower - at higher pressures, the dilution rate of each setting will be higher. If your water pressure is not within the recommended limits, you should test the amount of chemical you are spraying at your desired setting.