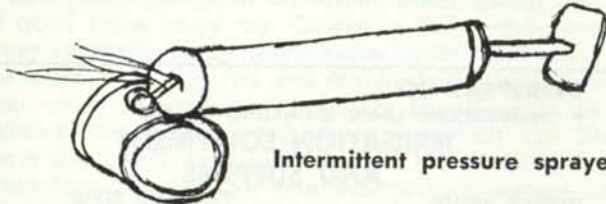


SPRAY OR DUST

by Stan Rachesky
Entomologist, University of Illinois

Many types and sizes of sprayers and dusters for applying pesticides (insecticides, fungicides, herbicides, etc.) are available for use today. Some units serve many types of uses and some are designed for one specific job. Your choice would depend upon the pesticide used, and the size and type of application needed.

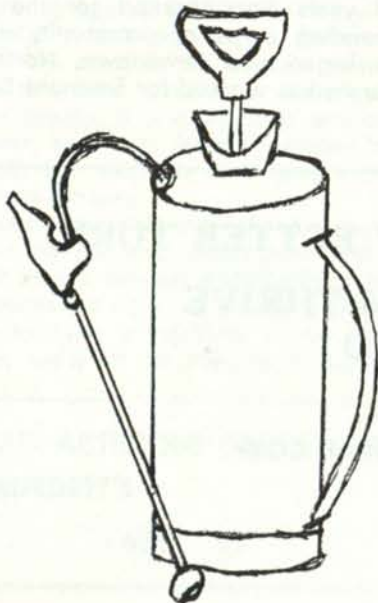
Two very popular homeowner type units are the **continuous and intermittent pressure sprayers**. Both are excellent for applying liquid diluted concentrates for controlling flies, mosquitoes, moths, roaches and silverfish. They are inexpensive and easy to operate.



Intermittent pressure sprayer

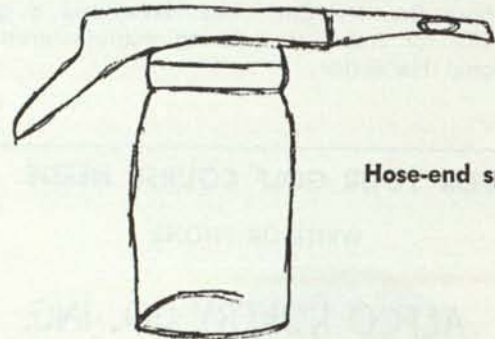
Aerosol bombs (pressurized spray cans) are small individual applicators ready to spray. They are excellent for use as a space spray to temporarily control flies, mosquitoes, etc. in the home or place of business. People living in apartment houses do not find it practical to purchase elaborate spraying equipment, but do need an insecticide occasionally and find them most useful. Most of the chemicals available in the concentrated form for larger scale spraying are available in the pressurized spray cans.

The second best buy in the world is a **compressed-air sprayer**. The first best buy being your daily newspaper. Compressed-air sprayers are simple to operate. Depending upon the job you plan for them they can be your most useful outdoor tool. Foundation spraying to keep outdoor pests out of the building (roaches, ants, spiders, crickets, sowbugs, etc.), spraying vegetable gardens, shrubs, fruit trees, flowers, etc. They are very useful for spot treatment spraying to supplement larger spraying equipment. It is recommended for those people who use herbicides as well as insecticides to use separate sprayers because of the residue problem. These sprayers can be carried by hand over the shoulder or mounted on a cart.



The **gas driven power units** are ideal for most exterior spraying jobs or for large areas such as a greenhouse. These units have the necessary pressure to reach larger areas more thoroughly and faster plus, of course, the elimination of hand pumping.

The **hose-end sprayer** is probably the most popular sprayer available today. It does a good job on lawn areas and a fair job on fruit trees.



Hose-end sprayer

The **slide pump or trombone sprayer** is light weight and easy to handle. It develops up to 180 pounds pressure and does an excellent job on flowers, vegetables, and fruit trees.

Some people prefer **dusts** over liquid sprayers. This is a personal preference. Dusters apply pesticide dusts using a stream of air. They are very popular for roses and vegetables. Plunger and crank dusters are widely used for small areas. Bellows and gas driven knapsack dusters are also available. These would be more useful for larger dusting jobs.

Proper spraying equipment is essential to properly carry out a well planned pest control program. Failure for a recommended pesticide to work properly is often due to the use of the wrong application equipment.

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