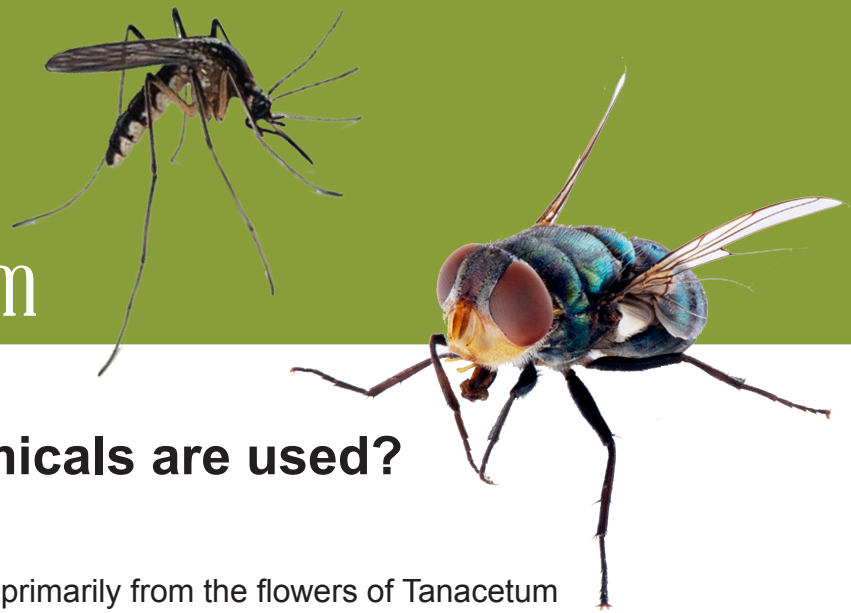


Automatic Fly & Mosquito Spray System



What chemicals are used?

Pyrethrin

Pyrethrum is a botanical insecticide produced primarily from the flowers of *Tanacetum cinerariaefolium*, which is a species of the chrysanthemum plant family. It is found mainly in tiny oil-containing glands on the surface of the seed case in the tightly packed flower head and is the plant's own insecticide that has evolved to keep insects away. Pyrethrum is made up of six complex chemical esters known as pyrethrins, which work in combination to repel and kill insects.

Pyrethrin has been used effectively to control insects for decades. It decomposes rapidly in the environment, making it an excellent choice for controlling pests.

Pyrethrin has been extensively studied from a toxicology viewpoint. It is low in acute toxicity to humans and other vertebrate animals, is non-carcinogenic and causes no adverse reproductive affects.

Pyrethrin is commonly used as a post-harvest treatment for fruits and vegetables (especially during shipment) and is popular as a non-residual household insecticide spray.

Permethrin

Permethrin is a broad-spectrum synthetic pyrethroid insecticide. Permethrin has been around since the 1970's and is widely used today in public health, home, pest control, forestry, agriculture, and head lice control.

In the United States over 100 million applications of Permethrin are made each year in homes, and over 18 million applications are made in yards and gardens. Permethrin, like all synthetic pyrethroids, kills insects by strongly exciting their nervous systems.

PBO (Piperonyl Butoxide)

PBO (Piperonyl Butoxide) is an emulsifiable synergist for use in combination with insecticides, especially synthetic pyrethroids, as a tank mix to overcome resistance that pests develop with constant use of insecticides.

PBO is a unique tank additive that restores activity against resistant strains of pests. It acts by inhibiting naturally occurring enzymes that would otherwise degrade the insecticide molecule.