

Sector Misting Instructions

DIRECTIONS FOR USE IN AUTOMATIC MISTING AND ULV SPRAYING SYSTEMS:

In areas such as animal quarters, dairy and beef barns, poultry houses, swine housing, warehouses, zoos and other listed livestock or animal housing areas.

To kill Flies, House Flies, Horn Flies, Stable Flies, Deer Flies, Horse Flies, Mosquitoes, including the Culex species that may carry and transmit the West Nile virus, Gnats, Hornets, Wasps, Yellowjackets, Firebrats, Small Flying Moths, Earwigs, Fleas, Ticks – including Deer Ticks that may transmit Lyme disease, Crickets, Cockroaches, Silverfish, Spiders and other listed insects: Mix 1/2 gallon (64 fluid ounces) of concentrate in 55 gallons of water to yield a solution of 0.09% Permethrin and 0.09% Piperonyl Butoxide. For high populations of insects or when treating species that are difficult to control, mix up to 1 gallon of concentrate in 55 gallons of water to yield a solution of 0.18% Permethrin and 0.18% Piperonyl Butoxide. When filling tank, partially fill the system reservoir tank with water, add concentrate to tank, then add water to obtain desired dilution.

System nozzles should deliver fine particle size droplets (aerosol or mist). Utilize nozzles that are rated for a delivery rate not to exceed 1.25 fluid ounces of solution per minute, with one nozzle covering 100 square feet. Set system timer to operate in accordance with equipment directions. Automatic spraying systems must not be designed and programmed to release pesticides where feed is directly exposed to spray mist.

Have personnel vacate containment treatment areas while treatment is in progress. Thoroughly ventilate treated area prior to re-entry by personnel. Do not use in commercial food/feed handling establishments, restaurants, or other areas where food is commercially prepared or processed.

DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS: NOTE: NOT REGISTERED for use in Automatic ULV Spraying Systems in the State of New York.

Use to control or temporarily reduce annoyance from accessible stages of: Mosquitoes including the Culex species that may carry and transmit the West Nile virus, Flies, House Flies, Gnats, Deer Flies, Horse Flies, Hornets, Wasps, Yellowjackets, Firebrats, Small Flying Moths, Earwigs, Fleas, Ticks – including Deer Ticks that may transmit Lyme disease, Crickets, Cockroaches, Silverfish, Spiders and other listed nuisance insects.

Residential misting system installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local

authority(ies) where they are installed.

Do not apply this pesticide when people, pets, and food are present.
Do not use in an evaporative cooling system.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds ___ parts Sector® Misting Concentrate to ___ parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

Only use this product in residential misting systems that have been calibrated to apply no more than the maximum application rate of 9.5 fluid ounces of 0.09% synergized permethrin solution per 1,000 cubic feet per day.

Mix 1/2 gallon (64 fluid ounces) of concentrate in 55 gallons of water to yield a solution of 0.09% Permethrin and 0.09% Piperonyl Butoxide. For high populations of insects or when treating species that are difficult to control, mix up to 1 gallon of concentrate in 55 gallons of water to yield a solution of 0.18% Permethrin and 0.18% Piperonyl Butoxide. When filling tank, partially fill the system reservoir tank with water, add concentrate to tank, then add water to obtain desired dilution.

System nozzles should deliver fine particle size droplets (aerosol or mist). Direct nozzles to spray towards the target area and away from swimming pools, water bodies, or eating and cooking areas. Set system timer to operate in accordance with equipment directions.

Automatic spraying system dilution table

A System tank size (in gallons)	B Conversion factor (fluid ounces of concentrate per gallon of water)	A x B = Fluid ounces of concentrate for that tank size, to be mixed with water to achieve 0.09% synergized permethrin solution
1	1.16	1.16
15	1.16	17
20	1.16	23
30	1.16	35
55	1.16	64

When refilling a partially filled tank: Calculate the amount of additional solution (in gallons) required to fill the tank to the desired level. Multiply the number of gallons required to refill tank times 1.16 to determine the amount of this concentrate to add when refilling (to achieve 0.09% synergized permethrin solution).