



PYRENONE® 25-5

Public Health Insecticide

- * FOR APPLICATION AS A SPACE, AREA OR CONTACT SPRAY. DEPENDENT UPON PESTS TO BE CONTROLLED AND THE AREA TO BE TREATED, MAY BE APPLIED THROUGH MECHANICAL AEROSOL GENERATORS (ULV) OR THERMAL FOGGING EQUIPMENT AS WELL AS CONVENTIONAL FOGGING OR SPRAYING EQUIPMENT.
- * MAY BE USED OVER ALL CROPS.
- * THE ACTIVE INGREDIENTS ARE EXEMPT FROM TOLERANCES WHEN APPLIED TO GROWING CROPS [see 40 CFR § 180.1001 (b)]

ACTIVE INGREDIENTS

◆Pyrethrins.....	5.0%
*▲Piperonyl Butoxide, Technical.....	25.0%
†OTHER INGREDIENTS	70.0%
	100.0%

*Equivalent to min 20% (butylcarbityl) (6-propylpiperonyl) ether and 5% related compounds.

†Contains Petroleum Distillates

†Contains 0.367 pounds of Pyrethrins per gallon.

†Contains 1.83 pounds of Piperonyl Butoxide per gallon.

EPA REG. NO. 432-1050

EPA EST. NO. 432-TX-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-334-7577.	
Note To Physician: Contain petroleum distillates – vomiting may cause aspiration pneumonia.	

See Rear Panel For Additional Precautions

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION

Harmful if swallowed or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Remove pets, birds and cover fish aquaria before spraying.

Environmental Hazards

This pesticide is highly toxic to fish. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters.

WIDE-AREA MOSQUITO CONTROL APPLICATIONS BY GROUND OR AERIAL EQUIPMENT. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish. Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist. Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries) except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body.

Do not apply to blooming crops or weeds when bees are visiting the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by the state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL FOR DIRECTIONS

WIDE AREA MOSQUITO CONTROL

FOR USE ONLY BY FEDERAL, STATE, TRIBAL OR LOCAL GOVERNMENT OFFICIALS RESPONSIBLE FOR PUBLIC HEALTH OR VECTOR CONTROL, OR BY PERSONS CERTIFIED BY THE STATE OR TRIBAL LEAD PESTICIDE REGULATORY AGENCY TO PERFORM ADULT MOSQUITO CONTROL APPLICATION, OR BY PERSONS UNDER THEIR DIRECT SUPERVISION

Before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if permits or other regulatory requirements exist.

Pyrenone 25-5 Public Health Insecticide provides effective control of adult mosquitoes, all common diptera in areas such as but not limited to industrial areas, urban areas, parks, campsites, woodlands, athletic fields, golf courses, playgrounds, recreational and overgrown waste areas, roadsides, and other public areas where adult mosquitoes and flies occur. Pyrenone 25-5 Public Health Insecticide may be used over agricultural crops because the ingredients are exempt from tolerance when applied to growing crops. For best results, apply when meteorological conditions create a temperature inversion and ground wind speed is equal to or greater than 1 mph. The application should be made so the wind will carry the insecticidal fog into the area being treated. Pyrenone 25-5 Public Health Insecticide can be applied as undiluted or diluted with refined soybean oil, light mineral oil of 54 second viscosity or other suitable solvent or diluent. Pyrenone 25 Public Health Insecticide can be applied undiluted or diluted with refined soybean oil, light mineral oil of 54 second viscosity, or other suitable solvent or diluent. Use a white mineral oil diluent conforming to regulation 21CFR 178.3620(b) or a odorless light petroleum hydrocarbon diluent conforming to 21CFR 172.882 or 40 CFR 180.910 (Inert ingredients used pre- and post-harvest; exemptions from the requirement of a tolerance), and 180.930 (Inert ingredients applied to animals; exemptions from the requirement of a tolerance).

Spray Droplet Size Determination

Ground Equipment:

Spray equipment must be adjusted so that the volume median diameter is less than 30 microns ($D_v 0.5 < 30 \mu\text{m}$) and that 90% of the spray is contained in droplets smaller than 50 microns ($D_v 0.9 < 50 \mu\text{m}$). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Aerial Equipment:

Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns ($D_v 0.5 < 60 \mu\text{m}$) and that 90% of the spray is contained in droplets smaller than 100 microns ($D_v 0.9 < 100 \mu\text{m}$). The effects of flight speed and, for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

All types of applications should be conducted at temperatures of 50°F. Apply when ground wind speeds are equal to or greater than 1mph.

GROUND APPLICATION

Vehicle-Mounted ULV Cold Aerosol Generators or Vehicle-Mounted Non-Thermal Aerosol (Cold Fog): Apply through non-thermal ULV application equipment and base acreage calculations on the equipment manufacturer's recommended swath width. Apply at a rate not to exceed 0.0025 pounds of pyrethrins per acre in any given 24 hour period. An optimum swath is created when Pyrenone 25-5 Public Health Insecticide is applied from a truck that is being driven perpendicular to the wind direction. Direct the spray head of equipment to ensure even distribution of the spray cloud throughout the area. For best results, apply when insects are most active and meteorological conditions are conducive to keeping the spray cloud in the air column close to the ground. An inversion of air temperatures and a light breeze is preferable. Do not exceed 25 applications at 0.0025 pounds of pyrethrins per acre (not to exceed a total of 0.0625 pounds of pyrethrins per acre) in any given season. More frequent applications may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort. Application during the cooler hours of the night or early morning is recommended.

Pyrenone 25-5 Public Health Insecticide may be applied through ULV Cold Aerosol Generators, or other equipment designed for non-thermal ULV aerosol applications. The desired application rate may be obtained under different conditions by altering the dilution rate of Pyrenone 25-5 Public Health Insecticide, the flow rate of the insecticide from the application equipment and the vehicle speed.

Pyrenone 25-5 Public Health Insecticide ingredient per acre as show in the table below. If an alternative dilution rate is used, adjust the flow rate accordingly, provided the droplet size and spectrum remains with label specifications.

WIDE AREA MOSQUITO CONTROL (continued)

		Flow Rate (Fluid Ounces Per Minute)		
		Undiluted	Diluted 1:1	Diluted 1:2
Application rate (lb pyrethrins/acre)	Vehicle Speed (MPH)			
0.0009	5	1.0	1.9	2.9
	10	1.9	3.8	5.7
	15	2.9	5.7	8.6
	20	3.8	7.6	11.4
0.0018	5	1.9	3.8	5.7
	10	3.8	7.6	11.4
	15	5.7	11.4	17.1
	20	7.6	15.2	22.8
0.0025	5	2.6	5.3	7.8
	10	5.3	10.6	15.8
	15	7.9	15.8	23.8
	20	10.6	21.2	31.8

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Metal Containers – Triple rinse or equivalent.

Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

Plastic Containers – Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke. Then dispose of in a sanitary landfill or by other approved state and local procedures.

CONTAINER DISPOSAL FOR RETURNABLE CONTAINERS: Replace the dry disconnect cap if applicable, and seal all openings which have been opened during use. Return empty container to a collection site designated by Bayer Environmental Science. If container has been damaged and cannot be returned according to the recommended procedures, contact Bayer Environmental Science Customer Service Center at 800-843-1702.

RETURNABLE/REFILLABLE SEALED CONTAINER: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

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