

BEST DOCUMENT AVAILABLE

ALLEVIATE[®] 25-5 M. A. G. C.

ACCEPTED
with COMMENTS
in EPA Letter Dated
DEC 2 1982

EPA Reg. No. 4816-631 EPA Est. No. 279-NY-1

For indoor or outdoor application as a space, area or contact spray. May be applied through Mechanical Aerosol Generators (TUV) as well as conventional fogging or spraying equipment.

Designed for use in all areas of official establishments operating under the Meat, Poultry, Shell Egg Grading and Egg Products Inspection Programs.

INDOOR USE AREAS:

Bakeries	Industrial Installations
Beverage Plants	Meat Packing Plants
Canneries	Motels
Dried Food Storage	Office Buildings
Flour Mills	Railroad Cars
Food Processing	Restaurants
Plants	Schools
Grain Elevators	Stored Food Areas
Granaries	Supermarkets
Homes	Truck Trailers
Horse Barns	Warehouses
Hospitals	Zoos
Hotels	

OUTDOOR USE AREAS:

Corrals	Parks
Drive-in Rest-	Playgrounds
aurants	Recreational Areas
Drive-in Theaters	Residential Estates
Golf Courses	Urban Areas
	Zoos

ACTIVE INGREDIENTS

Allethrin (Allyl Homolog of	
Cinerin I).....	5.00%
Related Compounds.....	0.56%
*Piperonyl Butoxide, Technical.....	25.00%
Petroleum Distillate.....	69.44%
	100.00%

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

ALLEVIATE - Registered trademark of Fairfield American Corporation

KEEP OUT OF REACH OF CHILDREN
CAUTION

See side panel for additional precautions.

DIRECTIONS FOR USE

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

This product is effective in the control of the indicated insects if the applicator follows the directions given below:

Angoumois grain moths	Granary weevils
Ants	Horn flies
Boxelder bugs	Hornets
Caddisflies	Horse flies
Cheese mites	House flies
Cheese skippers	Indian meal moths
Cigarette beetles	Lice
Clover mites	Mediterranean flour
Confused flour	moths
beetles	Mosquitoes
Pink mealworms	Mushroom flies
Deer flies	Red flour beetles
Dried fruit beetles	Rice weevils
Drugstore beetles	Sawtoothed grain
Earwigs	beetles
Fruit flies	Small flying roths
Hungus gnats	Spider beetles
Gnat	Stable flies
Grain mites	Tobacco roths
	Wasps
	Yellow mealworms

INDOOR USE AS A SPACE SPRAY, UNDILUTED

The use of this product in food processing or food handling establishments (bakeries, beverage plants, canneries, food processing plants, hospitals, hotels, industrial installations, restaurants, schools, supermarkets, and warehouses) should be continued to time periods when the plants or facilities are not in operation. This use is not appropriate at any time in edible product areas of federally inspected meat and poultry plants. Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. Hospital patients should be removed for 2 hours and rooms aired before re-entry. Close windows and doors and shut off ventilating systems. Use a fogger or vaporizer adjusted to deliver an aerosol spray (in droplets over 50 microns in diameter and 80% less than 30 microns). Apply at a rate of 1 ounce per 1000 cubic feet of space. Direct the spray toward the ceiling and upper corners of the area and behind obstructions. Keep the area closed for at least 15 minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.

The above described application will kill accessible exposed stages of flies (including fruit flies), mosquitoes, small flying roths, gnats, wasps, hornets, clover mites, cheese mites, cheese skippers, boxelder bugs, earwigs, ants, and the following common stored product pests: granary weevils, rice weevils, confused flour beetles, sawtoothed grain beetles, spider beetles, cigarette beetles, drugstore beetles, Angoumois grain moths, Mediterranean flour moths, Indian meal moths, tobacco moths, yellow mealworms, dark mealworms, grain mites, caddisflies, and red flour beetles.

DRIED FRUIT PRODUCTS: For control of exposed stages of confused flour beetles, Indian meal moths, and sawtoothed grain beetles in dried fruit processing or storage areas. Remove and destroy infested products. As noted above, disperse this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use one ounce per 1000 cubic feet of space. Repeat application at this dosage in any given month. Leave the room closed for one hour. Do not remain in treated areas and ventilate before re-entry.

STORED FOOD: (Stored in multi-walled bags or in cloth bags) in warehouses, storage rooms, flour mills, grain elevators, granaries for control of Angoumois grain moths, caddisflies, confused flour beetles, Indian meal moths, Mediterranean flour moths, rice weevils, sawtoothed grain beetles, yellow mealworms, cheese mites, cheese skippers, cigarette beetles, grain mites, granary weevils, dark mealworms, and red flour beetles. Remove and destroy infested products.

Disperse this product first by directing spray into corners, under pallets, and around stacks of packaged foods, hitting as many insects as possible, and then use as a space spray. Infested stored products should be relocated or treated by other effective methods with an approved product intended for this purpose. Use a dosage of 1 fluid ounce per 1000 cubic feet of room space. Repeat application as necessary for insect control. Leave the room closed for 1 hour. Do not remain in treated areas and ventilate before re-entry.

See Reverse Side

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INDOOR USE, DILUTED

SPACE SPRAY. For use in conventional mechanical logging equipment, to kill flies, fruit flies, mosquitoes, small flying mites, and gnats. Cover or remove exposed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Dilute 1 part of this product plus 49 parts of base oil and mix well. Apply at the rate of 1-2 fluid ounces per 1000 cubic feet, filling the room with mist. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment if reinfestation occurs. Do not apply while food processing is underway.

SURFACE SPRAY. To insure maximum control of crawling insects (ants, cockroaches, silverfish, etc., spiders, flies, fruit flies, small flying mites, gnats, etc.) dilute 1 part of this product plus 10 parts of base oil, mix well, and apply as a coarse droplet spray using approximately 1 gallon to 250 square feet of surface. Thoroughly spray walls, floors, and other surfaces of bins and storage and handling areas, both especially careful to treat cracks, crevices, and similar hiding places. Treat unloading, handling and processing areas and inside conveying processing and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Treat insects directly when possible. In federally inspected meat and poultry plants, food processing operations may be stopped.

For in-transit protection, clean and spray truck beds, boxcars, and ships' holds before loading. Thoroughly treat walls and floors and lightly spray each layer of cartons or containers as they are stacked.

To control Indian meal moths and Angoumois grain moths apply to the surface of binned grain at a rate of 1 gallon per 1000 square feet. Apply at monthly intervals upon first appearance of the moths and continuing until early fall. In case of severe infestations, break up webbing with rake before spraying and make a second application in two weeks.

As an aid in the control of mosquitoes, gnats, wasps and skimmers treat walls, ceilings, moldings, screens, door and window frames, beams, light cords, and similar resting places.

FEDERALLY INSPECTED MEAT AND POULTRY PLANTS For the control of exposed stages of cock roaches, silverfish, waterbugs, earwigs, etc., spiders, flies, fruit flies, small flying mites and gnats. Use as a space spray only when the plant is not in operation. Cover or remove exposed food products and packaging materials. Dilute one part concentrate with 5 parts insecticide base oil and use with a fogging device. Apply the spray into all cracks and crevices in woodwork, walls, floors, beneath sinks, behind pipes and in all places where insect may shelter, contacting as many insects as possible. Then apply as a space treatment at the rate of 1 ounce per 1000 cubic feet of room space. Repeat as necessary. Equipment and utensils must be thoroughly rinsed with potable water before operations are resumed.

HORSE BARN AND STAB. For use in conventional mechanical logging equipment to kill flies, mosquitoes, small flying mites and gnats, dilute 1 part of this product plus 10 parts of base oil and mix well. Apply at the rate of 2 fluid ounces per 1000 cubic feet of space above the animals. For use on non-edible horses only. Direct spray toward the upper portions of the enclosure, filling the room with mist. Keep areas closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment if reinfestation occurs.

WASHROOM PROTECTION AND PROCESSING. To control washroom flies or tongue gnats in growing houses dilute 1 part of this product plus 49 parts of highly refined base oil, mix well, and apply at 1 ounce per 1000 cubic feet of space. Fogger should be operated 8 to 10 feet away from beds and directed slightly upward over them. Circulating fans should be left in operation, but for best results, refrigeration should be turned off. In packing and canning plants, use at a rate of 1 ounce to 2000 cubic feet of space.

OUTDOOR APPLICATION, UNDILUTED

For best results in the control of adult mosquitoes, gnats and small flying mites, apply where there is a light breeze at approximately 5 miles per hour. Spray from the windward side so the fog will be carried across the area to be treated. Treat shrubbery and vegetation around stagnant pools, marshy areas and ponds where mosquitoes may rest. Repeat treatment as required.

This product should be applied without further dilution. Dispense fog at the following flow rates, depending upon the speed at which the truck is moving:

Truck Speed Miles Per Hour	Flow Rate Fluid Ounces Per Minute
5	2 to 2.25 fluid ounces
10	1 to 1.50 fluid ounces

To control mosquito larvae, dilute at the rate of 9 ounces per 50 gallons of oil and apply at the rate of 20 to 25 gallons per acre. Apply as a coarse wetting spray to the border or on shallow water of wet lands, swamps, and marshes, where mosquito larvae are known to breed.

For the temporary reduction of annoyance from flies, mosquitoes and small flying mites in public gathering places (drives-in restaurants, drive-in theaters, golf courses, municipalities, parks, playgrounds, and recreational areas) use the above procedure for ground applications. Direct the spray into tall grass, shrubbery and ground areas where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. Application should be made prior to attendance. Repeat as necessary.

In additional outdoor areas (non-edible horse corrals and zodiac cover water troughs, drinking fountains, and animal feed before use), fill area with mist and direct spray application into tall grass and shrubbery where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. In zoos avoid exposure of reptiles to the product. Repeat as necessary.

DISPOSAL

Do not reuse empty container. Wrap container and put in trash collection.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Avoid contact with eyes and skin. Remove pets, birds and cover fish aquaria before spraying. Do not breathe spray mist. Wear mask or respirator of a type recommended by the U.S. Bureau of Mines to give adequate protection against this material. Wear protective clothing. Wash exposed skin surfaces with soap and water after handling and before eating or drinking. Wash all contaminated clothing with soap and hot water before reuse.

See Reverse

Do not apply as a space spray while food processing is underway. Except in Federally inspected meat and poultry plants, when applied as a surface spray with care and in accordance with the directions and precautions given above, food processing operations may continue. Do not apply at any time as an undiluted space spray in edible product areas of Federally inspected meat and poultry plants. Foods should be removed or covered before treatment. All surfaces in processing areas must be washed and rinsed in potable water after spraying.

When using in horse barns, do not apply directly to feed, water or food supplements.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Contact a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration hazards. If In Eyes: Flush with plenty of water. Get medical attention if irritation persists. If On Skin: Wash with plenty of soap and water. Get medical attention if irritation persists. If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where these are important resources.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour or spill near heat or open flame.

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

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BATCH

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D. C. 20460 NOTICE OF PESTICIDE: ☐ REGISTRATION ☒ REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO.	DATE OF ISSUANCE DEC 2 1982
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code) 161 / 77891 18 / 1		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act. A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith. Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
☐ ATTACHMENT IS APPLICABLE SIGNATURE OF APPROVING OFFICIAL DATE		