

# VECTOR-BAN™



## Misting Insecticide for Residential Systems & Barns

- Controls listed Flies, Lice, Fleas, Mites, Mosquitoes
- A long-lasting livestock & premise spray that provides knockdown, broad-spectrum insecticidal effectiveness & excellent residual activity
- Makes up to 106 Gallons for Residential Systems
- Makes up to 50 Gallons for use in Barns

### ACTIVE INGREDIENTS:

Permethrin .....10.0%

OTHER INGREDIENTS: ..... 90.0%

TOTAL: .....100.0%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See Inside Booklet For Additional Precautionary Statements

EPA Reg. No. 53883-72

EPA Est. No. 53883-TX-002

**NET CONTENTS: 1/2 GALLON**



ADAMA

Manufactured by:

**Control  
Solutions Inc.**

5903 Genoa-Red Bluff, Pasadena, TX 77507

A member of Adama  
Consumer and Professional Solutions

**READ ENTIRE LABEL BEFORE USE  
FOR PET USE – USE ONLY ON DOGS**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

<b>FIRST AID</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15- 20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN AND VETERINARIANS:</b> Do not administer or instill milk, cream or other substances containing vegetable or animal fats which will enhance absorption of lipophilic substances.	
You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information.	

**Personal Protective Equipment:**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category section chart.

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or viton, and shoes plus socks. For exposure in enclosed areas, a respirator with a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls Statements:**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)] the handler PPE requirements may be reduced or modified as specified in the WPS.

When using in an enclosed area, do not remain in the treated area. Ventilate the area after treatment is completed. Food should be removed or covered during treatments. All food processing surfaces should be covered during treatment or thoroughly cleaned with an effective cleaning compound followed by a potable water rinse before use. When using this product in these areas, apply only when facility is not in operation.

Do not apply as a space spray while food processing is underway. Except in Federally inspected meat and poultry plants, food processing operations may continue when this product is applied as a surface spray with care and in accordance with the directions and precautions given below.

### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish. Do not apply directly to water. Avoid contamination of ornamental fish ponds. Drifts and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively, visiting the treatment area.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not use in undiluted form.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food or feed. Store in original containers and out of the reach of children, preferably in a locked storage area. Handle an open container in a manner as to prevent spillage.

**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: For Containers equal to or less than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Spills:** If the container is leaking or material is spilled, absorb liquid with an absorbent such as kitty litter and carefully sweep up and wash exposed area with detergent and water. In spill or leak incidents, keep unauthorized people away.

## DIRECTIONS FOR USE

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

### **Keep people and pets off treated areas until the spray has dried.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber or viton.
- Shoes plus socks

### **NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not allow children or pets to contact treated surfaces until spray has dried.

Do not apply this product through any type of irrigation system.

### **SHAKE WELL BEFORE USING**

### **NUISANCE PESTS IN OUTDOOR AREAS**

#### **GENERAL DIRECTIONS**

Use 1 1/2 fl. oz. in 1 quart of water, treating 400 linear feet with a 6-inch spray band.

#### **OUTSIDE SURFACES OF BUILDING**

Use this product on Ants, Clover mites, Crickets, Earwigs, Millipedes, Sowbugs (Pillbugs) and spiders to help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Also, apply as a residual spray but not to the point of runoff to outside surfaces of building, including porches, screens, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen.

#### **OTHER OUTDOOR AREAS**

Use this product on Ants, Crickets, Earwigs, Fleas, Ticks (**including ticks that may carry Lyme Disease**) for treatment of localized infestations of these insects in areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat application as reinfestations occur.

To reduce annoyance from: **Cluster flies, Flying moths, Gnats, House flies, Mosquitoes.** Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, around shrubbery, and other places where these insects alight or congregate.

## **OUTDOOR RESIDENTIAL MISTING SYSTEMS (RESIDENTIAL YARDS, PLAYSCAPES)**

Use to control, or reduce the populations of spiders and nuisance pest insects including but not limited to mosquitoes and flies.

When using this product installers and service technicians must comply with license, certification, or registration requirements of the states, tribes, or local authorities where they are installed.

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

Direct nozzles to spray towards the target area and away from swimming pools, water bodies, or eating and cooking areas.

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 and use pesticide label and a dilution statement to the system tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds 3 parts VECTOR-BAN to 640 parts water.

### **Mixing directions for systems that utilize a reservoir tank for the end dilution:**

Partially fill reservoir tank half full with water, add VECTOR-BAN, then fill remainder of reservoir tank. Mix 6 fluid ounces VECTOR-BAN per 10 gallons of water. It is recommended that the system reservoir tank be shaded from direct sunlight and direct heat sources.

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.

This product may only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.0054 pounds VECTOR-BAN, (0.09 fluid ounces VECTOR-BAN) per 1000 cubic feet per day (equivalent to 1.66 g per 100 M3).

System nozzles and pressure should be able to deliver a fine particle droplet size (ULV, mist or aerosol).

If the system works on an automatic timer, set the timing for application when people, pets, and food are unlikely to be present.

If the system works when a person operates a remote activation device, then application of this pesticide when people, pets, and food are present is prohibited.

## **ANIMALS AND ANIMAL PREMISE USE CATTLE BARN, SWINE HOUSES, MILK ROOMS, KENNELS, POULTRY HOUSES, HORSE BARN, DAIRIES, MILKING PARLORS, FEED LOTS, STABLES, PADDOCKS.**

For initial clean up of severe insect infestation, dilute at a rate of (1) part concentrate in 19 parts water (6.7 ounces per gallon) (0.5%). For normal infestations dilute (1) part concentrate in 100 parts water (1.33 ounces per gallon of water) (2 2/3 tablespoonful per gallon) (0.1%).

### **PESTS**

### **REFERENCE CHART DILUTIONS (Mix Well)**

### **HOW TO APPLY**

#### **PESTS ON FARM PREMISES**

#### **(Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, Poultry and Livestock Housing)**

Horseflies, Stableflies, lesser Houseflies and other manure breeding flies, Fleas, Lice, Mites, Ticks, including Deer tick (carrier of Lyme disease). Aids in control of Cockroaches, Mosquitoes and Spiders.

Dilute 8 ozs. in 6.25 gals. water  
Dilute 1 pt. in 12.5 gals. water  
Dilute 1 qt. in 25 gals. water

Spray walls and surfaces thoroughly but do not allow runoff to occur; about 1 gal. per 750-1000 sq. ft. Treat no more often than once every 2 weeks. Do not contaminate animals feed or water by spray. Do not use in milk rooms.

**PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards)**

Fleas, Flies, Ticks, Lice and Mange Mites (adult and larvae)	Dilute 8 ozs. in 6.25 gals. water Dilute 1 pt. in 12.5 gals. water Dilute 1 qt. in 25 gals. water	Thoroughly spray infested areas, pet beds and resting quarters. Fresh bedding should be placed in animals quarters following treatment. Most efficient pest control is accomplished when heavy pressure and good contact is achieved. Timing and frequency of applications should be based on pest populations reaching nuisance levels, but accompanying manure removal and sanitation practices should precede sprays. Do not spray feed, food or water. Repeat as needed but not more than once every two weeks.
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**PESTS IN CATTLE BARN, HORSE BARN, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS STABLES AND PADDOCKS**

Flies, Mosquitoes and Gnats	Dilute 8 ozs. in 6.25 gals. water Dilute 1 pt. in 12.5 gals. water Dilute 1 qt. in 25 gals. water	FOG OR FINE MIST: Apply, directing the spray toward the ceiling and upper corners until the area is filled with mist. Use about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep closed for 10-15 minutes. Remove animals prior to treatment, ventilate before reoccupying.
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**PESTS ON LARGE ANIMALS (Dairy or Beef Cattle, Horses, Sheep and Goats)**

Faceflies, Hornflies, Stableflies, Mosquitoes, Lice, Mites, Ticks, including Deer tick (carrier of Lyme disease)	Dilute 8 ozs. in 50 gals. water Dilute 1 pt. in 100 gals. water Dilute 1 qt. in 200 gals. water	Spray to thoroughly cover entire animal. For lice or mites a second treatment is recommended 14-21 days later. Spray lactating dairy cows only after milking is completed. SPOT TREATMENT – LOW PRESSURE SPRAY: Apply 1/2 oz. per ear or 2-4 oz. on face or 12-16 oz. along the backline.
Hornflies, Faceflies, Stableflies, Ear Ticks	Dilute 2 ozs. in 1 gal. water Dilute 1 pt. in 8 gals. water	

**PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)**

Mange Mites	Dilute 8 ozs. in 25 gals. water	Spray, dip or sponge animals. Retreat after 14 days, spraying walls and floor space and bedding to kill later hatching, developing stages.
	Dilute 1 pt. in 50 gals. water	
	Dilute 1 qt. in 100 gals. water	
Blowflies, Flies, Mosquitoes, Hog Lice, Fleas, Ticks, including Deer tick (carrier of Lyme disease)	Dilute 8 ozs. in 25 gals. water	Spray, dip or sponge to apply 1 pint per pig, especially around ears.
	Dilute 1 pt. in 50 gals. water	
	Dilute 1 qt. in 100 gals. water	
Poultry Mites, Northern Fowl Mites & Lice	Dilute 8 ozs. in 12.5 gals. water	Spray at the rate of 1/2 oz. per bird, or 1 gal. per 100 birds, with a fine mist. Spray roosts, walls and nests or cages.
	Dilute 1 pt. in 25 gals. water	
	Dilute 1 qt. in 50 gals. water	

**PESTS ON DOGS (DO NOT TREAT PUPPIES LESS THAN TWELVE (12) WEEKS OF AGE)**

Fleas, Ticks, including Deer tick (carrier of Lyme disease), Lice & Mange	Dilute 8 ozs. in 12.5 gals. water	Thoroughly wet the animal by dipping, sponging or spraying. Allow animal to dry in a warm place without rinsing or toweling. Do not reapply product for two to three weeks. Consult a veterinarian before using this product on debilitated, aged, pregnant or nursing animals or animals on medication.
	Dilute 1 pt. in 25 gals. water	
	Dilute 1 qt. in 50 gals. water	

**Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.**

## **WARRANTY STATEMENT**

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with 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 Control Solutions, Inc. To the extent allowed by applicable law, Control Solutions, Inc. shall in no event be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Extent consistent with applicable law, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at Control Solutions, Inc. election, the replacement of this product.



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