



CONTROLS:



Flies



Lice



Fleas



Mites



## PERMETHRIN 10%

### MULTI-PURPOSE INSECTICIDE

**For Use by Licensed Pest Control Operators  
or Commercial Applicators Only.**

A long lasting livestock and premise spray that provides knockdown, broad spectrum insecticidal effectiveness, and excellent residual activity for up to 28 days.

#### ACTIVE INGREDIENT:

Permethrin ..... 10.00%

**OTHER INGREDIENTS: ..... 90.00%**

**TOTAL: ..... 100.00%**

EPA Reg. No. 53883-72 EPA Est. No. 53883-TX-002

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See Inside Booklet for Additional Precautionary Statements.

A **CONTROL SOLUTIONS INC.** PRODUCT

EPA 070109/NOTIF 080111/REV A

**NET CONTENTS: 8 FL. OZ.**

## **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.

## FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### If swallowed

- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

### If inhaled

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth- to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

<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>
<p><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.</p>	

**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  $\frac{3}{4}$  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.



**STORAGE AND DISPOSAL** *(continued)*

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.

**For Containers greater 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. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. 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.

## **STORAGE AND DISPOSAL** *(continued)*

**For Bulk containers: (Refillable Container)** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

**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.

*(continued)*

## **AGRICULTURAL USE REQUIREMENTS**

*(continued)*

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**

### **THREE STEPS TO MIX AND APPLY:**

1. For lawns, measure the area to be sprayed. Calculate square feet by multiplying length by width. For all other applications, apply as a thorough cover spray.
2. Use a clean sprayer. Carefully measure and mix the amount of concentrate and water as directed.
3. Spray as directed. Thorough coverage is important. Flush sprayer with clean water after each use. Make applications when insects first appear. Repeat applications as directed.

Use Dilution rate as indicated:

1 fl. oz. = 6 tsp. or 2 Tbsp.

8 fl. oz. = 1/2 pt. or 1 cup

## DIRECTIONS FOR APPLYING HOME LAWN

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<b>Turf</b>	<b>Pests</b>	<b>How to Use</b>
Bentgrass, Bermudagrass, Bluegrass, Dichondra, Fescue, Irish Moss, Merion, St. Augustine Grass	Ants, Armyworms, Brown dog ticks, Chinch bugs, Crickets, Cutworms, Fleas, Grasshoppers, Japanese beetle grubs, Mole crickets, Sod webworms, Ticks that carry Lyme Disease, Leafhoppers	Thoroughly wet down grass a few hours before applying. Home lawns should be no taller than 3 inches at time of application. Slightly more water may be used as long as the amount of product per area is as listed below. For heavy infestations, repeat application after 2 weeks. For ants, crickets and grasshoppers, use 1/2 fl. oz. in 3 gals. of water to cover 1,000 sq. ft. For other listed insects, use 1 1/2 fl. ozs. in 10 gals. of water to cover 1,000 sq. ft.

## **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.

**ANIMALS AND ANIMAL PREMISE USE  
CATTLE BARNS, SWINE HOUSES, MILK ROOMS,  
KENNELS, POULTRY HOUSES, HORSE BARNS,  
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%).



## REFERENCE CHART

PESTS	DILUTIONS (Mix Well)	HOW TO APPLY
<b>PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, Poultry and Livestock Housing)</b>		
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 animal's feed or water by spray. Do not use in milk rooms.

*(continued)*

<b>PESTS</b>	<b>DILUTIONS (Mix Well)</b>	<b>HOW TO APPLY</b>
<b>PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards)</b>		
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

*(continued)*

<b>PESTS</b>	<b>DILUTIONS (Mix Well)</b>	<b>HOW TO APPLY</b>
<b>PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards) (continued)</b>		
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	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.

(continued)

PESTS	DILUTIONS (Mix Well)	HOW TO APPLY
<b>PESTS IN CATTLE BARNs, HORSE BARNs, SWINE HOUSEs, KENNELs, MILK-ING PARLORs, MILK ROOMs, DAIRIES, POULTRY HOUSEs, FEEDLOTs, STABLEs AND PADDOCKs</b>		
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.

*(continued)*

<b>PESTS</b>	<b>DILUTIONS (Mix Well)</b>	<b>HOW TO APPLY</b>
<b>PESTS ON LARGE ANIMALS (Dairy or Beef Cattle, Horses, Sheep and Goats)</b>		
Faceflies, Hornflies, Stableflies, Mos- quitoes, 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 recom- mended 14-21 days later. Spray lactating dairy cows only after milking is completed.
Hornflies, Faceflies, Stableflies, Ear Ticks	Dilute 2 ozs. in 1 gal. water Dilute 1 pt. in 8 gals. water	SPOT TREATMENT - LOW PRESSURE SPRAY Apply 1/2 oz. per ear or 2-4 oz. on face or 12-16 oz. along the backline.

*(continued)*

<b>PESTS</b>	<b>DILUTIONS (Mix Well)</b>	<b>HOW TO APPLY</b>
<b>PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)</b>		
Mange Mites	Dilute 8 ozs. in 25 gals. water Dilute 1 pt. in 50 gals. water Dilute 1 qt. in 100 gals. water	Spray, dip or sponge animals. Retreat after 14 days, spraying walls and floor space and bedding to kill later hatching, developing stages.
Blowflies, Flies, Mosquitoes, Hog Lice, Fleas, Ticks, including Deer tick (carrier of Lyme disease)	Dilute 8 ozs. in 25 gals. of water Dilute 1 pt. in 50 gals. of water Dilute 1 qt. in 100 gals. of water	Spray, dip or sponge to apply 1 pint per pig, especially around ears.

*(continued)*

<b>PESTS</b>	<b>DILUTIONS (Mix Well)</b>	<b>HOW TO APPLY</b>
<b>PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)</b> <i>(continued)</i>		
Poultry Mites, Northern	Dilute 8 ozs. in 12.5 gals. of 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.
Fowl Mites & Lice	Dilute 1 pt. in 25 gals. of water	
	Dilute 1 qt. in 50 gals. of water	

## **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. Always use with a piperonyl butoxide (PBO) synergist additive (e.g.SynerPro) as described below.

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, Yellow Jackets, Fire Brats, Small Flying Moths, Earwigs, Fleas, Ticks, Crickets, Cockroaches, Silverfish, Spiders, and other listed insects: Mix ½ gallon (64 fluid ounces) of Permethrin 10% concentrate plus the appropriate amount of PBO synergist in 55 gallons of water to yield a solution of 0.09% permethrin plus 0.09% PBO. For example, when using SynerPro as a source of PBO, add 7 fluid ounces of SynerPro to 55 gallons of water. For high populations of insects or when treating species that are difficult to control, mix up to 1 gallon of Permethrin 10% plus the appropriate



amount of PBO (e.g. 14 fl. oz. of SynerPro) 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 concentrates to tank, then add water to obtain desired dilution.

System nozzles should deliver fine particle size droplets (aerosol or mist). Nozzles should be 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.

Personnel should vacate containment treatment areas while treatment is in progress. Treated areas should be thoroughly ventilated 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.

**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. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of 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 on medication.
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*(continued)*

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

Fleas, Ticks, including  
Deer tick (carrier of  
Lyme disease), Lice  
& Mange

Dilute 8 ozs. in 12.5 gals. of water  
Dilute 1 pt. in 25 gals. of water  
Dilute 1 qt. in 50 gals. of 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.**

## **INDOOR USE AREAS**

**HOMES, AND THE NONFOOD/FEED AREAS OF BAKERIES, BEVERAGE PLANTS, CANNERIES, FLOUR MILLS, FOOD PROCESSING PLANTS, GRAIN ELEVATORS, GRAINARIES, HOSPITALS (non-occupied areas), HOTELS, MOTELS, INDUSTRIAL INSTALLATIONS, KENNELS, MEAT PACKING PLANTS, OFFICE BUILDINGS, RAILROAD CARS, RESTAURANTS, SCHOOLS, SHIPSHOLDS, SUPERMARKETS, TRUCK TRAILERS, WAREHOUSES.**

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) (2.66 tablespoonful per gallon) (0.1%).

Do not use in food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared food is served such as dining rooms but excluding areas where food may be prepared or held. In the home, all food

processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed.

Non-food/feed areas of food/feed manufacturing, processing, and handling establishments are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**Do not apply to classrooms when in use. Do not apply product in occupied patient rooms or any rooms while occupied by the elderly or infirm.**

**Not for use in Federally Inspected Meat and Poultry Plants.**

**As a surface spray to control cockroaches, waterbugs, palmetto bugs, ants, silverfish, beetles, mites, weevils:** Use a good sprayer and adjust to deliver a coarse, wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, and behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry.

If surface application only is to be used, spray floors, walls and other surfaces, applying at a rate of (1) gallon to 750 square feet of surface.

**To control fleas and ticks (adult and larvae),** thoroughly spray infested areas, pets beds, resting quarters, nearby cracks and crevices, along and behind baseboards, molding, window and door frames, and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Apply with mechanical or compressed air equipment (non-thermal), adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems.

**For rapid control of house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, bees, black flies, angoumois grain moths and tobacco moths,** SPACE SPRAY - direct spray at an upward angle, distributing it uniformly through the entire area at a rate of (1) ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate area after treatment and ventilate and sweep up dead insects before occupying.

**For rapid kill of exposed or accessible stages of other insects named on this insert:** Apply using conventional mechanical or compressed air equipment (non-thermal), following directions for space spraying in the paragraph above. Apply the above dilutions at a rate of (1) ounce per 1000 cubic feet of space.

**NOTE:** Buyer assumes all risks of use, storage or handling of this product not in strict accordance with label DIRECTIONS and PRECAUTIONS.

### **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 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. Except, as expressly provided herein and to the 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.





- READ ENTIRE LABEL BEFORE USE
- FOR PET USE - USE ONLY ON DOGS

# PERMETHRIN 10% MULTI-PURPOSE INSECTICIDE

*For Use by Licensed Pest Control Operators  
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OTHER INGREDIENTS: . . . . . 90.00%

TOTAL: . . . . . 100.00%

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CAUTION**

*See Inside Booklet for Additional  
Precautionary Statements and Directions for Use.*

EPA Reg. No. 53883-72 EPA Est. No. 53883-TX-002

## CONTROL SOLUTIONS, INC.

5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

EPA 070109/NOTIF 080111/REV A

NET CONTENTS: **8 FL. OZ.**



CONTROLS:



Flies



Lice



Fleas



Mites

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NET CONTENTS: **1 PINT**

## 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.

### FIRST AID

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>

### NOTE TO PHYSICIAN AND VETERINARIANS:

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  $\frac{1}{4}$  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.

(continued)

## **STORAGE AND DISPOSAL** *(continued)*

**For Containers greater 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. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. 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.

**For Bulk containers: (Refillable Container)** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

**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**  
**THREE STEPS TO MIX AND APPLY:**

1. For lawns, measure the area to be sprayed. Calculate square feet by multiplying length by width. For all other applications, apply as a thorough cover spray.
2. Use a clean sprayer. Carefully measure and mix the amount of concentrate and water as directed.
3. Spray as directed. Thorough coverage is important. Flush sprayer with clean water after each use. Make applications when insects first appear. Repeat applications as directed.

Use Dilution rate as indicated:

1 fl. oz. = 6 tsp. or 2 Tbsp.

8 fl. oz. = 1/2 pt. or 1 cup

**DIRECTIONS FOR APPLYING**  
**HOME LAWNS**

<b>Turf</b>	<b>Pests</b>	<b>How to Use</b>
Bentgrass, Bermudagrass, Bluegrass, Dichondra, Fescue, Irish Moss, Merion, St. Augustine Grass	Ants, Armyworms, Brown dog ticks, Chinch bugs, Crickets, Cutworms, Fleas, Grasshoppers, Japanese beetle grubs, Mole crickets, Sod webworms, Ticks that carry Lyme Disease, Leafhoppers	Thoroughly wet down grass a few hours before applying. Home lawns should be no taller than 3 inches at time of application. Slightly more water may be used as long as the amount of product per area is as listed below. For heavy infestations, repeat application after 2 weeks. For ants, crickets and grasshoppers, use 1/2 fl. oz. in 3 gals. of water to cover 1,000 sq. ft. For other listed insects, use 1 1/2 fl. ozs. in 10 gals. of water to cover 1,000 sq. ft.



## 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.

### ANIMALS AND ANIMAL PREMISE USE

#### **CATTLE BARNs, SWINE HOUSES, MILK ROOMS, KENNELS, POULTRY HOUSES, HORSE BARNs, 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%).

## REFERENCE CHART

PESTS	DILUTIONS (Mix Well)	HOW TO APPLY
<b>PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, Poultry and Livestock Housing)</b>		
Horseflies, Stable-flies, lesser Houseflies and other manure breeding flies, Fleas, Lice, Mites, Ticks, including Deer tick (carrier of Lyme dis-ease). 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 animal's feed or water by spray. Do not use in milk rooms.
<b>PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards)</b>		
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

*(continued)*

<b>PESTS</b>	<b>DILUTIONS (Mix Well)</b>	<b>HOW TO APPLY</b>
<b>PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards)</b> <i>(continued)</i>		
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	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.
<b>PESTS IN CATTLE BARNs, HORSE BARNs, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS, STABLES AND PADDOCKS</b>		
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.

<b>PESTS</b>	<b>DILUTIONS (Mix Well)</b>	<b>HOW TO APPLY</b>
<b>PESTS ON LARGE ANIMALS (Dairy or Beef Cattle, Horses, Sheep and Goats)</b>		
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.
Hornflies, Faceflies, Stableflies, Ear Ticks	Dilute 2 ozs. in 1 gal. water Dilute 1 pt. in 8 gals. water	SPOT TREATMENT - LOW PRESSURE SPRAY Apply 1/2 oz. per ear or 2-4 oz. on face or 12-16 oz. along the backline.
<b>PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)</b>		
Mange Mites	Dilute 8 ozs. in 25 gals. water Dilute 1 pt. in 50 gals. water Dilute 1 qt. in 100 gals. water	Spray, dip or sponge animals. Retreat after 14 days, spraying walls and floor space and bedding to kill later hatching, developing stages.
Blowflies, Flies, Mosquitoes, Hog Lice, Fleas, Ticks, including Deer tick (carrier of Lyme disease)	Dilute 8 ozs. in 25 gals. of water Dilute 1 pt. in 50 gals. of water Dilute 1 qt. in 100 gals. of water	Spray, dip or sponge to apply 1 pint per pig, especially around ears.
Poultry Mites, Northern Fowl Mites & Lice	Dilute 8 ozs. in 12.5 gals. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of 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.

## **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. Always use with a piperonyl butoxide (PBO) synergist additive (e.g. SynerPro) as described below.

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, Yellow Jackets, Fire Brats, Small Flying Moths, Earwigs, Fleas, Ticks, Crickets, Cockroaches, Silverfish, Spiders, and other listed insects: Mix ½ gallon (64 fluid ounces) of Permethrin 10% concentrate plus the appropriate amount of PBO synergist in 55 gallons of water to yield a solution of 0.09% permethrin plus 0.09% PBO. For example, when using SynerPro as a source of PBO, add 7 fluid ounces of SynerPro to 55 gallons of water. For high populations of insects or when treating species that are difficult to control, mix up to 1 gallon of Permethrin 10% plus the appropriate amount of PBO (e.g. 14 fl. oz. of SynerPro) 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 concentrates to tank, then add water to obtain desired dilution.

System nozzles should deliver fine particle size droplets (aerosol or mist). Nozzles should be 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.

Personnel should vacate containment treatment areas while treatment is in progress. Treated areas should be thoroughly ventilated 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.

**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. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of 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 on medication.
Fleas, Ticks, including Deer tick (carrier of Lyme disease), Lice & Mange	Dilute 8 ozs. in 12.5 gals. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of water	<b>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.</b>

## INDOOR USE AREAS

**HOMES, AND THE NONFOOD/FEED AREAS OF BAKERIES, BEVERAGE PLANTS, CANNERIES, FLOUR MILLS, FOOD PROCESSING PLANTS, GRAIN ELEVATORS, GRAINARIES, HOSPITALS (non-occupied areas), HOTELS, MOTELS, INDUSTRIAL INSTALLATIONS, KENNELS, MEAT PACKING PLANTS, OFFICE BUILDINGS, RAILROAD CARS, RESTAURANTS, SCHOOLS, SHIPSHOLDS, SUPERMARKETS, TRUCK TRAILERS, WAREHOUSES.**

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) (2.66 tablespoonful per gallon) (0.1%).

Do not use in food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared food is served such as dining rooms but excluding areas where food may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed.

Non-food/feed areas of food/feed manufacturing, processing, and handling establishments are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**Do not apply to classrooms when in use. Do not apply product in occupied patient rooms or any rooms while occupied by the elderly or infirm.**

**Not for use in Federally Inspected Meat and Poultry Plants.**

**As a surface spray to control cockroaches, waterbugs, palmetto bugs, ants, silverfish, beetles, mites, weevils:** Use a good sprayer and adjust to deliver a coarse, wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, and behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces, applying at a rate of (1) gallon to 750 square feet of surface.

**To control fleas and ticks (adult and larvae),** thoroughly spray infested areas, pets beds, resting quarters, nearby cracks and crevices, along and behind baseboards, molding, window and door frames, and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Apply with mechanical or compressed air equipment (non-thermal), adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems.

**For rapid control of house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, bees, black flies, angoumois grain moths and tobacco moths,** SPACE SPRAY - direct spray at an upward angle, distributing it uniformly through the entire area at a rate of (1) ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate area after treatment and ventilate and sweep up dead insects before occupying.

**For rapid kill of exposed or accessible stages of other insects named on this insert:** Apply using conventional mechanical or compressed air equipment (non- thermal), following directions for space spraying in the paragraph above. Apply the above dilutions at a rate of (1) ounce per 1000 cubic feet of space.

**NOTE:** Buyer assumes all risks of use, storage or handling of this product not in strict accordance with label DIRECTIONS and PRECAUTIONS.



## **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 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. Except, as expressly provided herein and to the 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.



- READ ENTIRE LABEL BEFORE USE
- FOR PET USE - USE ONLY ON DOGS

## **PERMETHRIN 10% MULTI-PURPOSE INSECTICIDE**

*For Use by Licensed Pest Control Operators  
or Commercial Applicators Only*

### **ACTIVE INGREDIENT:**

Permethrin . . . . . **10.00%**

**OTHER INGREDIENTS: . . . 90.00%**

**TOTAL: . . . . . 100.00%**

**KEEP OUT OF REACH  
OF CHILDREN  
CAUTION**

*See Inside Booklet for Additional  
Precautionary Statements and Directions for Use.*

**EPA Reg. No. 53883-72  
EPA Est. No. 53883-TX-002**

**CONTROL SOLUTIONS, INC.**  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

EPA 070109/NOTIF 080111/REV A

**NET CONTENTS: 1 PINT**



CONTROLS:



Flies



Lice



Fleas



Mites

# PERMETHRIN 10%

## MULTI-PURPOSE INSECTICIDE

**For Use by Licensed Pest Control Operators  
or Commercial Applicators Only.**

A long lasting livestock and premise spray that provides knockdown, broad spectrum insecticidal effectiveness, and excellent residual activity for up to 28 days.

**ACTIVE INGREDIENT:**

Permethrin ..... 10.00%

**OTHER INGREDIENTS:** ..... 90.00%

**TOTAL:** ..... 100.00%

EPA Reg. No. 53883-72

EPA Est. No. 53883-TX-002

**KEEP OUT OF REACH OF CHILDREN**

# CAUTION

See Inside Booklet for Additional  
Precautionary Statements.

A **CONTROL SOLUTIONS INC.** PRODUCT

EPA 070109/NOTIF 080111/REV A



**NET CONTENTS: 1 QUART**

## 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  $\frac{1}{4}$  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.

**For Containers greater 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. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. 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.

**For Bulk containers: (Refillable Container)** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

**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**

### **THREE STEPS TO MIX AND APPLY:**

1. For lawns, measure the area to be sprayed. Calculate square feet by multiplying length by width. For all other applications, apply as a thorough cover spray.

- Use a clean sprayer. Carefully measure and mix the amount of concentrate and water as directed.
- Spray as directed. Thorough coverage is important. Flush sprayer with clean water after each use. Make applications when insects first appear. Repeat applications as directed.

Use Dilution rate as indicated:

1 fl. oz. = 6 tsp. or 2 Tbsp.

8 fl. oz. = 1/2 pt. or 1 cup

### DIRECTIONS FOR APPLYING HOME LAWNS

Turf	Pests	How to Use
Bentgrass, Bermudagrass, Bluegrass, Dichondra, Fescue, Irish Moss, Merion, St. Augustine Grass	Ants, Armyworms, Brown dog ticks, Chinch bugs, Crickets, Cutworms, Fleas, Grasshoppers, Japanese beetle grubs, Mole crickets, Sod webworms, Ticks that carry Lyme Disease, Leafhoppers	Thoroughly wet down grass a few hours before applying. Home lawns should be no taller than 3 inches at time of application. Slightly more water may be used as long as the amount of product per area is as listed below. For heavy infestations, repeat application after 2 weeks. For ants, crickets and grasshoppers, use 1/2 fl. oz. in 3 gals. of water to cover 1,000 sq. ft. For other listed insects, use 1 1/2 fl. ozs. in 10 gals. of water to cover 1,000 sq. ft.

### 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.



## ANIMALS AND ANIMAL PREMISE USE

### CATTLE BARNS, SWINE HOUSES, MILK ROOMS, KENNELS, POULTRY HOUSES, HORSE BARNS, 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%).

#### REFERENCE CHART

PESTS	DILUTIONS (Mix Well)	HOW TO APPLY
<b>PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, Poultry and Livestock Housing)</b>		
Horseflies, Stable-flies, lesser Houseflies and other manure breeding flies, Fleas, Lice, Mites, Ticks, including Deer tick (carrier of Lyme dis-ease). 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 animal's feed or water by spray. Do not use in milk rooms.
<b>PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards)</b>		
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.
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	

<b>PESTS</b>	<b>DILUTIONS (Mix Well)</b>	<b>HOW TO APPLY</b>
<b>PESTS IN CATTLE BARN, HORSE BARN, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS, STABLES AND PADDOCKS</b>		
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.
<b>PESTS ON LARGE ANIMALS (Dairy or Beef Cattle, Horses, Sheep and Goats)</b>		
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.
Hornflies, Faceflies, Stableflies, Ear Ticks	Dilute 2 ozs. in 1 gal. water Dilute 1 pt. in 8 gals. water	SPOT TREATMENT - LOW PRESSURE SPRAY Apply 1/2 oz. per ear or 2-4 oz. on face or 12-16 oz. along the backline.
<b>PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)</b>		
Mange Mites	Dilute 8 ozs. in 25 gals. water Dilute 1 pt. in 50 gals. water Dilute 1 qt. in 100 gals. water	Spray, dip or sponge animals. Retreat after 14 days, spraying walls and floor space and bedding to kill later hatching, developing stages.
Blowflies, Flies, Mosquitoes, Hog Lice, Fleas, Ticks, including Deer tick (carrier of Lyme disease)	Dilute 8 ozs. in 25 gals. of water Dilute 1 pt. in 50 gals. of water Dilute 1 qt. in 100 gals. of water	Spray, dip or sponge to apply 1 pint per pig, especially around ears.
Poultry Mites, Northern Fowl Mites & Lice	Dilute 8 ozs. in 12.5 gals. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of 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.

## **DIRECTIONS FOR USE IN AUTOMATIC MISTING AN 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. Always use with a piperonyl butoxide (PBO) synergist additive (e.g. SynerPro) as described below.

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, Yellow Jackets, Fire Brats, Small Flying Moths, Earwigs, Fleas, Ticks, Crickets, Cockroaches, Silverfish, Spiders, and other listed insects: Mix ½ gallon (64 fluid ounces) of Permethrin 10% concentrate plus the appropriate amount of PBO synergist in 55 gallons of water to yield a solution of 0.09% permethrin plus 0.09% PBO. For example, when using SynerPro as a source of PBO, add 7 fluid ounces of SynerPro to 55 gallons of water. For high populations of insects or when treating species that are difficult to control, mix up to 1 gallon of Permethrin 10% plus the appropriate amount of PBO (e.g. 14 fl. oz. of SynerPro) 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 concentrates to tank, then add water to obtain desired dilution.

System nozzles should deliver fine particle size droplets (aerosol or mist). Nozzles should be 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.

Personnel should vacate containment treatment areas while treatment is in progress. Treated areas should be thoroughly ventilated 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.

**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. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of 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 on medication.
Fleas, Ticks, including Deer tick (carrier of Lyme disease), Lice & Mange	Dilute 8 ozs. in 12.5 gals. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of water	<b>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.</b>

**INDOOR USE AREAS**

**HOMES, AND THE NONFOOD/FEED AREAS OF BAKERIES, BEVERAGE PLANTS, CANNERIES, FLOUR MILLS, FOOD PROCESSING PLANTS, GRAIN ELEVATORS, GRAINARIES, HOSPITALS (non-occupied areas), HOTELS, MOTELS, INDUSTRIAL INSTALLATIONS, KENNELS, MEAT PACKING PLANTS, OFFICE BUILDINGS, RAILROAD CARS, RESTAURANTS, SCHOOLS, SHIPSHOLDS, SUPERMARKETS, TRUCK TRAILERS, WAREHOUSES.**

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) (2.66 tablespoonful per gallon) (0.1%).

Do not use in food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared food is served such as dining rooms but excluding areas where food may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed.

Non-food/feed areas of food/feed manufacturing, processing, and handling establishments are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**Do not apply to classrooms when in use. Do not apply product in occupied patient rooms or any rooms while occupied by the elderly or infirm.**

**Not for use in Federally Inspected Meat and Poultry Plants.**

**As a surface spray to control cockroaches, waterbugs, palmetto bugs, ants, silverfish, beetles, mites, weevils:** Use a good sprayer and adjust to deliver a coarse, wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, and behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces, applying at a rate of (1) gallon to 750 square feet of surface.

**To control fleas and ticks (adult and larvae),** thoroughly spray infested areas, pets beds, resting quarters, nearby cracks and crevices, along and behind baseboards, molding, window and door frames, and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Apply with mechanical or compressed air equipment (non-thermal), adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems.

**For rapid control of house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, bees, black flies, angoumois grain moths and tobacco moths, SPACE SPRAY** - direct spray at an upward angle, distributing it uniformly through the entire area at a rate of (1) ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate area after treatment and ventilate and sweep up dead insects before occupying.

**For rapid kill of exposed or accessible stages of other insects named on this insert:** Apply using conventional mechanical or compressed air equipment (non- thermal), following directions for space spraying in the paragraph above. Apply the above dilutions at a rate of (1) ounce per 1000 cubic feet of space.

**NOTE:** Buyer assumes all risks of use, storage or handling of this product not in strict accordance with label DIRECTIONS and PRECAUTIONS.

## **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 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. Except, as expressly provided herein and to the 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.



- READ ENTIRE LABEL BEFORE USE
- FOR PET USE - USE ONLY ON DOGS

# PERMETHRIN 10% MULTI-PURPOSE INSECTICIDE

*For Use by Licensed Pest Control Operators  
or Commercial Applicators Only*

**ACTIVE INGREDIENT:**

Permethrin . . . . . **10.00%**

**OTHER INGREDIENTS:** . . . . . **90.00%**

**TOTAL:** . . . . . **100.00%**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

*See Inside Booklet for Additional  
Precautionary Statements and Directions for Use.*

**EPA Reg. No. 53883-72    EPA Est. No. 53883-TX-002**

**CONTROL SOLUTIONS, INC.**

5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

EPA 070109/NOTIF 080111/REV A

**NET CONTENTS: 1 QUART**



CONTROLS:



Flies



Lice



Fleas



Mites

# PERMETHRIN 10%

## MULTI-PURPOSE INSECTICIDE

For Use by Licensed Pest Control Operators  
or Commercial Applicators Only.

A long lasting livestock and premise spray that provides knockdown, broad spectrum insecticidal effectiveness, and excellent residual activity for up to 28 days.

**ACTIVE INGREDIENT:**

Permethrin ..... 10.00%

**OTHER INGREDIENTS:** ..... 90.00%

**TOTAL:** ..... 100.00%

EPA Reg. No. 53883-72

EPA Est. No. 53883-TX-002

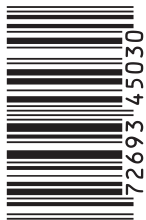
**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See Attached Booklet for Additional Precautionary Statements.

A **CONTROL SOLUTIONS INC.** PRODUCT

EPA 070109/NOTIF 08011/REV A

NET CONTENTS: **1 GALLON**





## 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.

### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**If swallowed**

- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If inhaled**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth- to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

**If in eyes**

- Hold eye open and rinse slowly and gently with water for 15-20 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**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIAN AND VETERINARIANS:**

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.

**For Containers greater 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. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. 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.

**For Bulk containers: (Refillable Container)** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

**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 THREE STEPS TO MIX AND APPLY:

1. For lawns, measure the area to be sprayed. Calculate square feet by multiplying length by width. For all other applications, apply as a thorough cover spray.

2. Use a clean sprayer. Carefully measure and mix the amount of concentrate and water as directed.
3. Spray as directed. Thorough coverage is important. Flush sprayer with clean water after each use. Make applications when insects first appear. Repeat applications as directed.

Use Dilution rate as indicated:  
 1 fl. oz. = 6 tsp. or 2 Tbsp.  
 8 fl. oz. = 1/2 pt. or 1 cup

### DIRECTIONS FOR APPLYING HOME LAWNS

Turf	Pests	How to Use
Bentgrass, Bermudagrass, Bluegrass, Dichondra, Fescue, Irish Moss, Merion, St. Augustine Grass	Ants, Armyworms, Brown dog ticks, Chinch bugs, Crickets, Cutworms, Fleas, Grasshoppers, Japanese beetle grubs, Mole crickets, Sod webworms, Ticks that carry Lyme Disease, Leafhoppers	Thoroughly wet down grass a few hours before applying. Home lawns should be no taller than 3 inches at time of application. Slightly more water may be used as long as the amount of product per area is as listed below. For heavy infestations, repeat application after 2 weeks. For ants, crickets and grasshoppers, use 1/2 fl. oz. in 3 gals. of water to cover 1,000 sq. ft. For other listed insects, use 1 1/2 fl. ozs. in 10 gals. of water to cover 1,000 sq. ft.

### 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.

### ANIMALS AND ANIMAL PREMISE USE

#### CATTLE BARNS, SWINE HOUSES, MILK ROOMS, KENNELS, POULTRY HOUSES, HORSE BARNS, 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%).

#### REFERENCE CHART

PESTS	DILUTIONS (Mix Well)	HOW TO APPLY
<b>PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, Poultry and Livestock Housing)</b>		
Horseflies, Stable-flies, lesser Houseflies and other manure breeding flies, Fleas, Lice, Mites, Ticks, including Deer tick (carrier of Lyme dis-ease). 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 animal's feed or water by spray. Do not use in milk rooms.
<b>PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards)</b>		
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.
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	

PESTS	DILUTIONS (Mix Well)	HOW TO APPLY
<b>PESTS IN CATTLE BARNS, HORSE BARNS, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS, STABLES AND PADDOCKS</b>		
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.
<b>PESTS ON LARGE ANIMALS (Dairy or Beef Cattle, Horses, Sheep and Goats)</b>		
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.
Hornflies, Faceflies, Stableflies, Ear Ticks	Dilute 2 ozs. in 1 gal. water Dilute 1 pt. in 8 gals. water	SPOT TREATMENT - LOW PRESSURE SPRAY Apply 1/2 oz. per ear or 2-4 oz. on face or 12-16 oz. along the backline.
<b>PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)</b>		
Mange Mites	Dilute 8 ozs. in 25 gals. water Dilute 1 pt. in 50 gals. water Dilute 1 qt. in 100 gals. water	Spray, dip or sponge animals. Retreat after 14 days, spraying walls and floor space and bedding to kill later hatching, developing stages.
Blowflies, Flies, Mosquitoes, Hog Lice, Fleas, Ticks, including Deer tick (carrier of Lyme disease)	Dilute 8 ozs. in 25 gals. of water Dilute 1 pt. in 50 gals. of water Dilute 1 qt. in 100 gals. of water	Spray, dip or sponge to apply 1 pint per pig, especially around ears.
Poultry Mites, Northern Fowl Mites & Lice	Dilute 8 ozs. in 12.5 gals. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of 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.

### DIRECTIONS FOR USE IN AUTOMATIC MISTING AN 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. Always use with a piperonyl butoxide (PBO) synergist additive (e.g. SynerPro) as described below.

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, Yellow Jackets, Fire Brats, Small Flying Moths, Earwigs, Fleas, Ticks, Crickets, Cockroaches, Silverfish, Spiders, and other listed insects: Mix ½ gallon (64 fluid ounces) of Permethrin 10% concentrate plus the appropriate amount of PBO synergist in 55 gallons of water to yield a solution of 0.09% permethrin plus 0.09% PBO. For example, when using SynerPro as a source of PBO, add 7 fluid ounces of SynerPro to 55 gallons of water. For high populations of insects or when treating species that are difficult to control, mix up to 1 gallon of Permethrin 10% plus the appropriate amount of PBO (e.g. 14 fl. oz. of SynerPro) 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 concentrates to tank, then add water to obtain desired dilution.

System nozzles should deliver fine particle size droplets (aerosol or mist). Nozzles should be 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.

Personnel should vacate containment treatment areas while treatment is in progress. Treated areas should be thoroughly ventilated 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.

**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. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of 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. Contact a veterinarian before using this product on debilitated, aged, pregnant or nursing animals on medication.
Fleas, Ticks, including Deer tick (carrier of Lyme disease), Lice & Mange	Dilute 8 ozs. in 12.5 gals. of water Dilute 1 pt. in 25 gals. of water Dilute 1 qt. in 50 gals. of water	<b>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.</b>

**INDOOR USE AREAS****HOMES, AND THE NONFOOD/FEED AREAS OF BAKERIES, BEVERAGE PLANTS, CANNERIES, FLOUR MILLS, FOOD PROCESSING PLANTS, GRAIN ELEVATORS, GRAINARIES, HOSPITALS (non-occupied areas), HOTELS, MOTELS, INDUSTRIAL INSTALLATIONS, KENNELS, MEAT PACKING PLANTS, OFFICE BUILDINGS, RAILROAD CARS, RESTAURANTS, SCHOOLS, SHIPSHOLDS, SUPERMARKETS, TRUCK TRAILERS, WAREHOUSES.**

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) (2.66 tablespoons per gallon) (0.1%).

Do not use in food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared food is served such as dining rooms but excluding areas where food may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed.

Non-food/feed areas of food/feed manufacturing, processing, and handling establishments are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**Do not apply to classrooms when in use. Do not apply product in occupied patient rooms or any rooms while occupied by the elderly or infirm.**

**Not for use in Federally Inspected Meat and Poultry Plants.**

**As a surface spray to control cockroaches, waterbugs, palmetto bugs, ants, silverfish, beetles, mites, weevils:** Use a good sprayer and adjust to deliver a coarse, wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, and behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces, applying at a rate of (1) gallon to 750 square feet of surface.

**To control fleas and ticks (adult and larvae),** thoroughly spray infested areas, pets beds, resting quarters, nearby cracks and crevices, along and behind baseboards, molding, window and door frames, and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Apply with mechanical or compressed air equipment (non-thermal), adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems.

**For rapid control of house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, bees, black flies, angoumois grain moths and tobacco moths, SPACE SPRAY -** direct spray at an upward angle, distributing it uniformly through the entire area at a rate of (1) ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate area after treatment and ventilate and sweep up dead insects before occupying.

**For rapid kill of exposed or accessible stages of other insects named on this insert:** Apply using conventional mechanical or compressed air equipment (non-thermal), following directions for space spraying in the paragraph above. Apply the above dilutions at a rate of (1) ounce per 1000 cubic feet of space.

**NOTE:** Buyer assumes all risks of use, storage or handling of this product not in strict accordance with label DIRECTIONS and PRECAUTIONS.

**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 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. Except, as expressly provided herein and to the 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.



- READ ENTIRE LABEL BEFORE USE
- FOR PET USE - USE ONLY ON DOGS

# PERMETHRIN 10%

## MULTI-PURPOSE INSECTICIDE

*For Use by Licensed Pest Control Operators  
or Commercial Applicators Only*

**ACTIVE INGREDIENT:**

Permethrin ..... **10.00%**

**OTHER INGREDIENTS:** ..... **90.00%**

**TOTAL:** ..... **100.00%**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

*See Inside Booklet for Additional  
Precautionary Statements and Directions for Use.*

**EPA Reg. No. 53883-72    EPA Est. No. 53883-TX-002**

**CONTROL SOLUTIONS, INC.**

5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

EPA 070109/NOTIF 080111/REV A

**NET CONTENTS: 1 GALLON**