

Pyranha™

PYRANHA 1-10 PX CONCENTRATE

FIRST AID

If Swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give any liquid to the person.• Do not give anything by mouth to an unconscious person.
If on Skin or Clothing:	<ul style="list-style-type: none">• 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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 800-231-2966 for emergency medical treatment information.

EPA Reg. No. 73049-463-21165

EPA Est. No. 47258-TX-1

MANUFACTURED EXCLUSIVELY FOR

PYRANHA, INC.

6602 CUNNINGHAM ROAD

HOUSTON, TX 77041

800-231-2966



DIRECTIONS FOR USE IN AUTOMATIC MISTING SYSTEMS:

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

*To kill Flies, including **House Flies, Deer Flies, Horn Flies, Stable Flies, Horse Flies, Mosquitoes**, including the *Culex* species that may carry and transmit the West Nile virus, Eastern, Western and St. Louis Equine Encephalitis, **Hornets, Wasps, Yellow Jackets, Gnats, Small Flying Moths, Earwigs, Fleas, Ticks, Fire Brats, Crickets, Cockroaches, Silverfish, Spiders** and other listed insects.*

Mix ½ gallon (64 fluid ounces) of Pyranha 1-10 PX Concentrate in 55 gallons water (1 part of **Pyranha 1-10 PX** concentrate with 110 parts of water) to yield a solution of 0.09% Permethrin and 0.09% Piperonyl Butoxide. When treating areas with high insect populations or insects that are difficult to control, mix 64 oz. of concentrate in 27.5 gallons of water (1 part of concentrate with 55 parts of water) to yield a solution of 0.18% Permethrin and 0.18% Piperonyl Butoxide. To obtain the desired solution, partially fill the system reservoir tank with water, add concentrate to tank, and then add water to obtain desired dilution. System nozzles should be set to deliver a rate not exceeding 1.25 fluid ounces of solution per minute, with one nozzle covering 100 square feet. The nozzles should deliver fine particle size droplets like those of a mist or an aerosol. Set the system timer to operate in accordance with equipment directions. Do not design or program the automatic spraying system to release pesticides where feed or water are directly exposed to spray mist.

DIRECTIONS FOR USE WITH SPACE SPRAY APPLICATION METHODS:

Insects Controlled: House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Bees, Black Flies, Asian Lady Beetles, Boxelder Bugs, Angoumois Grain Moths and Tobacco Moths.

Apply with non-thermal mechanical or compressed air equipment that is adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems including air conditioners. For initial clean-up of severe insect infestation, dilute at a rate of 1 part concentrate in 19 parts water (6.4 fluid ounces per gallon). Makes a 0.5% Permethrin ready to use product. For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 fluid ounces per gallon). Makes a 0.25% Permethrin ready to use product. For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 fluid ounces per gallon or 8 teaspoons per gallon). Makes 0.1% Permethrin ready to use product. Direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1,000 cubic feet of space. Vacate after treatment and keep the area closed for at least 10 minutes, then ventilate and sweep up insects before occupying.

DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS:

[NOTE: NOT REGISTERED for use in Automatic ULV Spraying Systems in the State of New York.]

Use Pyranha 1-10 PX to control or temporarily reduce annoyance from accessible stages of: **Mosquitoes** including the *Culex* species that may carry and transmit the West Nile Virus, **Flies, House Flies, Gnats, Deer Flies, Horse Flies, Hornets, Wasps, Yellow Jackets, Fire Brats, Small Flying Moths, Earwigs, Fleas, Ticks** (including species that may carry or transmit Lyme Disease), **Cockroaches, Crickets, Spiders, Silverfish, Asian Lady Beetles**, and other nuisance insects.

Mix ½ gallon (64 fluid ounces) of Pyranha 1-10 PX concentrate in 55 gallons of water (1 part of Pyranha 1-10 PX concentrate with 110 parts of water) to yield a solution of 0.09% Permethrin and 0.09% Piperonyl Butoxide. When treating areas with high insect populations or insects that are difficult to control, mix up to 1 gallon of concentrate in 55 gallons of water (1 part of concentrate with 55 parts of water) to yield a solution of 0.18% Permethrin and 0.18% Piperonyl Butoxide. To obtain the desired solution, partially fill the system reservoir tank with water, add concentrate to tank, and then add water to obtain desired dilution. The system nozzles should deliver fine particle size droplets like those of a mist or an aerosol.

Residential misting system installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority (ies) where they are installed.

- Do not apply this product when people, pets and food or drink are present.
- Do not use in an evaporative cooling system.
- Direct nozzles to spray towards the target area and away from swimming pools, water bodies or eating and cooking areas.
- Do not set nozzles to direct mist near outside air condition systems or other home air intakes.

When applying the end use dilution using a system with a reservoir tank, the tank must be locked. The end use pesticide label and the dilution statement must be securely attached to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be written as follows: "This container holds ___ parts Pyranha 1-10 PX Concentrate for Misting Systems to ___ parts water."

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

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

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

Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement: This product may only be used in systems that have been calibrated to apply no more than the maximum application rate of 9.5 fl. oz. of 0.09% synergized permethrin solution per 1,000 cubic feet per day.

AUTOMATIC SPRAYING SYSTEM DILUTION TABLE

"X" Tank Size (in gallons)	"Y" Conversion Factor (Fluid oz. of Pyranha 1-10 PX Concentrate per gallon of water)	"X" times "Y" = How many fluid oz. of concentrate should be mixed with water for the tank size specified** (Ex.: a 15 gallon tank x 1.16 needs 17.4 oz. of Pyranha 1-10 PX per 15 gallons of water)
1	1.16	1.16
15	1.16	17.4
20	1.16	23.2
30	1.16	34.8
55	1.16	63.8

**will make a 0.09% synergized permethrin solution

INSTRUCTIONS FOR REFILLING A PARTIALLY FILLED TANK:

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

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PYRANHA 1-10 PX CONCENTRATE

- For Use In Automatic Spray Systems In Residential Backyards, Animal Quarters, Horse & Cattle Barns, Dairy And Beef Barns, Dairies, Milking Parlors, Swine Housing, Poultry Houses And Warehouses
- Kills Mosquitoes That May Cause West Nile Virus, Eastern, Western And St. Louis Equine Encephalitis
- Will Not Harm Most Common Ornamentals
- May Also Be Used On Animals and Animal Premises

ACTIVE INGREDIENTS:

Permethrin [(3-Phenoxyphenyl) methyl (+ or -) cis-trans-3- (2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate)*	10.00%
Piperonyl butoxide, Technical**	10.00%
OTHER INGREDIENTS:	80.00%
	100.00%

* *Cis-trans isomers ratio: Min. 35% (+ or -) cis and Max. 65% (+ or -) trans.*

** *Equivalent to 8.00% (butylcarbityl) (6-propylpiperonyl) ether and 2.00% related compounds. Contains 0.856 lbs. of Permethrin per gallon.*

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE PEEL-OUT BOOKLET FOR FIRST AID PRECAUTIONS
AND COMPLETE DIRECTIONS FOR USE

NET CONTENTS: 2 Quarts (64 fl. oz.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Store upright at room temperature. Avoid exposure to extreme temperatures.

CONTAINER DISPOSAL:

If empty: non-refillable container. Do not reuse or refill this container. Offer for recycling if available. 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 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.

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ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through run-off. This water has a potential for run-off for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.

Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. See Directions for Use for additional precautions and restrictions.

This pesticide 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 this product in or on electrical equipment due to possibility of shock hazard.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. Mixers, loaders, applicators and other handlers (including during mixing/loading, repair and cleaning of equipment, and disposal of pesticide) must wear the following:

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, viton, neoprene rubber or nitrile rubber
- Shoes plus socks

In addition to the above PPE, mixers and loaders supporting aerial applications to forests and/or applicators using high-pressure hand wand in an enclosed area must wear at least a NIOSH-approved respirator with a dust/mist filter with MSHA/NIOSH approval prefix TC-21C or any N, R, P, or HE filter.

In addition to the above PPE, applicators using hand-held foggers in an enclosed area must wear a half-face or full face or hood style NIOSH approved respirator with a dust/mist filtering cartridge with MSHA/NIOSH approval number prefix TC-21C, or a cartridge or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a cartridge or canister with any N, R, P, or HE filter.

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendations:

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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.

READ THIS LABEL IN ITS ENTIRETY BEFORE USING

DIRECTIONS FOR USE:

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

GENERAL PRECAUTIONS AND USE RESTRICTIONS:

- Apply this product only as specified on this label.
- Do not use spoons or measuring cups for food purposes after use with pesticides.
- Do not use in food areas of restaurants or food handling establishments or other areas where food is commercially prepared or processed. Do not use in a facility that is in operation or in serving areas while food is exposed. Serving areas are defined as areas where prepared foods are served such as dining rooms, but exclude areas where foods may be prepared or held. When used in the home, cover or remove all exposed food and cooking utensils and cover all food-processing surfaces or wash thoroughly after treatment and before reuse.
- Do not contaminate food or feedstuffs.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying to pets or livestock or through outdoor misting systems, do not enter or allow others to enter until vapors, mists and aerosols have dispersed and the area has been thoroughly ventilated.
- Except when applying to pets or livestock or through outdoor misting systems, do not apply this product in a way that will contact adults, children or pets, either directly or through drift.
- Except when applying to pets or livestock or through outdoor misting systems, only protected handlers may be in the area during application.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until vapors, mists and aerosols have dispersed.
- Remove or cover exposed food and drinking water before application.
- Do not use in aircraft cabins except in accordance with PR Notice 96-3.
- Do not apply directly to or near water, storm drains, gutters, sewers or drainage ditches. Do not apply when windy. To prevent product run-off, do not water the treated area(s) or apply when heavy rain is expected. Rinse application equipment over treated area only.
- Do not wet plants to the point of run-off or drip.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- Remove pets, birds and cover fish aquariums before application. Turn off aquarium filtering systems before spraying and wait approximately 15 minutes after application before turning the filter back on.
- This product is not for use on plants being grown for sale or other commercial use. This product should not be used for research purposes, for commercial seed production, for commercial nursery use or forestry use.
- For direct application to non-domestic animals/livestock: Do not apply more than 1 time/day.

ANIMALS AND ANIMAL PREMISE USE AREAS

Cattle Barns, Milk Rooms & Parlors, Dairies, Horse Barns, Poultry Houses, Swine Houses and Kennels. This product may be used on Dairy and Beef Cattle, Sheep, Goats, Swine, Horses, Poultry and Dogs.

FOR PET USE-USE ONLY ON DOGS

DILUTION RATE

When diluting, add the correct (required) amount of Pyranha 1-10 PX concentrate to water as directed and blend thoroughly. For use both indoors (in homes) and outdoors. May be used in non-food areas of commercial buildings, warehouses, food/feed processing establishments, institutions, schools, office buildings, hotels, motels, restaurants, theaters, hospitals, horse barns, swine (houses) and poultry houses, milking parlors, dairies, cattle barns and kennels. Examples of non-food areas are: lavatories, offices, locker rooms, floor drains (to sewers) garbage rooms, entries and vestibules, machine rooms, boiler rooms, garages, mop closets and storage rooms/closets (after canning or bottling).

For maximum effectiveness, a combination of space treatment and localized application is recommended.

Note: in the chart below, the number in the 3rd column refers to the level of Permethrin in the final diluted product. The rates on this label make the ready-to-use products listed below.

DILUTION RATE	OZ. PYRANHA 1-10PX CONCENTRATE/GAL.	% PERMETHRIN IN DILUTED PRODUCT
1:19	6.40	0.50%
1:39	3.20	0.25%
1:100	1.28	0.10%
1:200	0.64	0.05%
1:400	0.32	0.025%

For clean up of severe infestation, dilute at a rate of 1 part concentrate in 100 parts water (1.28 ounces per gallon or 8 teaspoons/gallon). Makes a 0.10% permethrin ready-to-use product. For normal infestations, dilute 1 part concentrate in 200 parts water (0.64 ounces per gallon or 4 teaspoons/gallon). Makes a 0.05% permethrin ready-to-use product. For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon or 2 teaspoons/gallon). Makes a 0.025% permethrin ready-to-use product.

To control Horn flies, House Flies, Mosquitoes and Gnats: Wet the hair thoroughly, paying particular attention to topline, underline, flanks, withers and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.

To control Stable Flies, Horse Flies and Deer Flies: Apply a quart per adult animal to wet the hair thoroughly with special attention to the legs, flanks, barrel, topline and other body areas commonly attacked by those flies. Repeat daily as needed.

To control Face Flies: Apply using spray that produces large wetting droplets. Apply to the face of the animal in the morning before moving it to pasture. Apply sufficiently to wet the face, but not more than 1-1/2 ounces per animal. Do not get into eyes, nose or mouth. Repeat daily as needed.

To control Poultry Lice: Spray roosts, nests, walls, and cages thoroughly, followed by spraying over the birds with a fine mist.

To control Bed Bugs and Mites (including Northern Fowl Mite) in poultry houses: Spray crevices of roost poles, cracks in nests and walls where the Mites and Bed Bugs hide. Spray birds with fine mist paying particular attention to vents. Use at a rate of 1 gallon of spray per 100 birds.

To control Sheep “Tick” or Ked: Thoroughly wet all parts of the animal’s body by dipping or spraying with sufficient pressure to penetrate the wool. Treat at a rate sufficient to wet the animal.

To control Meal Worms and Darkling Beetles: Apply as a fine mist or fog, directing the spray toward the upper corners and ceiling until the area is filled with mist. Use about 2 ounces per 1,000 cubic feet of space. For best results, close windows and doors before spraying. Vacate after treatment and keep area closed for 10-15 minutes. Ventilate area before reentering the area.

For Use in a Back Rubber to control Horn Flies, Face Flies, Horse Flies and Ear Ticks: Dilute 8 ounces of concentrate in 5 gallons oil. Make sure the back rubber stays filled.

For control of Ticks (including deer ticks which carry Lyme disease), Blowflies, and Hog Lice on animals: Dilute 1 part of concentrate in 100 parts water (1.28 ounces per gallon or 8 teaspoons/gallon). Makes a 0.10% permethrin ready-to-use product. Spray, dip or sponge to apply 1 pint per animal, especially around ears.

For control of Poultry Mites, Northern Fowl Mites and Lice around premises: Dilute 1 part of concentrate in 100 parts water (1.28 ounces per gallon or 8 teaspoons/gallon). Makes a 0.10% permethrin ready-to-use product. Spray walls, roosts, cages and nests with a fine mist at a rate of 1 gallon per 100 birds.

For control of Fleas, Flies, Ticks, Lice and Mange Mites (adults and larvae) in doghouses, kennels, shelters, yards and runs: For initial clean up of severe insect infestations, dilute at a rate of 1 part concentrate in 19 parts water (6.4 ounces per gallon). Makes a 0.50% permethrin ready-to-use product. For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 ounces per gallon). Makes a 0.25% permethrin ready-to-use product. For maintenance use, dilute 1 part concentrate in 100 parts water (1.28 ounces per gallon or 8 teaspoons/gallon). Makes a 0.10% permethrin ready-to-use product. Before treating, spray fabric in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying. If no staining occurs, thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames and localized areas of floor and floor coverings (rugs and carpets). Fresh bedding should be placed in animals quarters once spray has dried. Adult fleas and larvae contacted by spray will be killed. **Do not spray cat bedding.**

For control of Fleas, Ticks, Lice and Mange Mites (adult and larvae) on dogs and livestock: For initial clean up of severe insect infestations, dilute at a rate of 1 part concentrate in 100 parts water (1.28 ounces per gallon or 8 teaspoons /gallon). Makes a 0.10% permethrin ready-to-use product. For normal infestations, dilute 1 part concentrate in 200 parts water (0.64 ounces per gallon or 4 teaspoons/gallon). Makes a 0.05% permethrin

ready-to-use product. For maintenance use, dilute 1 part concentrate in 400 parts water (0.32 ounces per gallon or 2 teaspoons/gallon). Makes a 0.025% permethrin ready-to-use product. Thoroughly wet the animal by spraying, dipping or sponging. Do not rinse or towel dry; allow animal to air dry in a warm place. Gives long lasting protection against re-infestation. Repeat applications at intervals of 2 to 3 weeks.

Do not treat cats or their bedding. Do not treat puppies less than twelve weeks old.

Pet sensitivities may occur after using ANY pesticide product. If you see signs of sensitivity, bathe your pet with mild soap and rinse with large quantities of water. If signs continue, consult a veterinarian immediately. If you have a debilitated, aged, medicated, pregnant or nursing animal, consult a veterinarian before using this product.

FOR DAIRY CATTLE: Spray lactating dairy cows only after milking is complete.

FOR SWINE: Do not ship animals for slaughter within 5 days of last treatment.