

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- Treatments to soil or vegetation around structures;
- Applications to lawns, turf, and other vegetation;
- Applications to building foundations, up to maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot crack-and-crevice applications, only.

- Do not water the treated area to the point of run-off.
- Do not make applications during rain.
- Not for use in outdoor residential misting systems.

2. Animal Premises — Surface Spray

Application sites: Farm Premises (Barns, Dairies, Loafing Sheds, Milking Parlors, Feed Lots, Stables, Paddocks, Poultry and Livestock Housing).

Application interval: 2 weeks as needed.

Pests Controlled	Use Directions	Dilutions Rate (parts product to parts water)	Spray Preparation
Horse Flies, Stable Flies, Lesser House Flies and Other Manure Breeding Flies; Fleas; Lice; Mites; Ticks (including Deer Tick).	Initial clean up of severe insect infestation: Use 1 gallon of spray solution per 750 to 1,000 sq.ft.	1:19	<u>Amount Product per Water Volume</u> 6.7 fl.oz. 1.0 gal 8.0 fl.oz. 1.2 gal 16 fl.oz. (1pt) 2.4 gal 32 fl.oz. (1qt) 4.8 gal 1 gallon 19.0 gal
Aids In Control of Cockroaches, Mosquitoes, Spiders	Normal infestations: Use 1 gallon of spray solution per 750 to 1,000 sq.ft.	1:100	<u>Amount Product per Water Volume</u> 1.33 fl.oz. 1.0 gal 8.0 fl.oz. 6.25 gal 16 fl.oz. (1pt) 12.5 gal 32 fl.oz. (1qt) 25.0 gal 1 gallon 100.0 gal

3. Animal Premises — Space Spray

Application sites: Cattle Barns, Horse Barns, Swine Houses, Kennels, Milking Parlors, Milk Rooms, Dairies, Poultry Houses, Feed Lots, Stables, and Paddocks.

Application interval: Daily as needed.

Pests Controlled	Use Directions	Dilutions Rate (parts product to parts water)	Spray Preparation
Flies, Mosquitoes, Gnats.	Fog or Fine Mist: Direct the spray toward the ceiling and upper corners until the area is filled with mist. Use about 2 fl.oz. per 1,000 sq.ft. of space. Close doors and windows before spraying and keep closed for 10 to 15 minutes. Vacate the treated area and ventilate before reoccupying.	1:19	<u>Amount Product per Water Volume</u> 6.7 fl.oz. 1.0 gal 8.0 fl.oz. 1.2 gal 16 fl.oz. (1pt) 2.4 gal 32 fl.oz. (1qt) 4.8 gal 1 gallon 19.0 gal

4. Dairy or Beef Cattle, Horses, Sheep, and Goats

Pests Controlled	Use Directions	Dilutions Rate (parts product to parts water)	Spray Preparation
Horn Flies, House Flies, and Mosquitoes.	Spray to cover entire animal. Spray lactating dairy cows only after milking is completed. Repeat treatment at 5 to 12 days for small populations or as needed for large populations.	1:100	<u>Amount Product per Water Volume</u> 1.33 fl.oz. 1.0 gal 8.0 fl.oz. 6.25 gal 16 fl.oz. (1pt) 12.5 gal 32 fl.oz. (1qt) 25.0 gal 1 gallon 100.0 gal
Stable Flies, Horse Flies and Deer Flies.	Apply a quart of spray solution per adult animal as a whole body treatment. Repeat treatment daily as needed.	1:100	<u>Amount Product per Water Volume</u> 1.33 fl.oz. 1.0 gal 8.0 fl.oz. 6.25 gal 16 fl.oz. (1pt) 12.5 gal 32 fl.oz. (1qt) 25.0 gal 1 gallon 100.0 gal
Horn Flies, Face Flies, Stable Flies and Ear Ticks.	For spot treatments with hand-operated sprayers that deliver large droplets. Apply to the face of animal in the morning before release to pasture. Mix in organic oil, mineral oil or vegetable oil or dilute in water. Apply 1/2 fl.oz. of spray solution per ear or 2 to 4 fl.oz. of spray solution on face or 12 to 16 fl.oz. of spray solution along backline. Repeat treatment daily as needed.	1:64	<u>Amount Product per Oil or Water</u> 2.0 fl.oz. 1.0 gal 4.0 fl.oz. 2.0 gal 6.0 fl.oz. 3.0 gal 8.0 fl.oz. 4.0 gal
Horn Flies, Face Flies, Stable Flies and Ear Ticks.	Back rubber or self oiler using organic oil, mineral oil or fuel oil. Recharge backrubber as needed.	1:80	<u>Amount Product per Oil Volume</u> 8.0 fl.oz. 5.0 gal 16 fl.oz. (1pt) 10.0 gal 32 fl.oz. (1qt) 20.0 gal
Sheep Keds	Wet all portions of the body by dipping or spraying. Adjust the spray pressure to allow the spray solution to penetrate the wool. Treat at a rate sufficient to wet the animal.	1:100	<u>Amount Product per Water Volume</u> 1.33 fl.oz. 1.0 gal 8.0 fl.oz. 6.25 gal 16 fl.oz. (1pt) 12.5 gal 32 fl.oz. (1qt) 25.0 gal 1 gallon 100.0 gal

5. Swine

Pests Controlled	Use Directions	Dilutions Rate (parts product to parts water)	Spray Preparation
Mange Mites	Spray or dip animals. Retreat after 14 days, spraying walls and floor and space bedding to kill late hatching, developing stages. Do not ship swine for slaughter within 5 days of last treatment.	1:400	<u>Amount Product per Water Volume</u> 1.0 fl.oz. 3.1 gal 8.0 fl.oz. 25.0 gal 16 fl.oz. (1pt) 50.0 gal 32 fl.oz. (1qt) 100.0 gal 1 gallon 400.0 gal
Blow Flies, Flies, Mosquitoes, Hog Lice, Fleas, Ticks, Including Deer Tick.	Spray or dip animals. Apply 1 pint of spray solution per pig, especially around ears. Do not ship swine for slaughter within 5 days of last treatment.	1:400	<u>Amount Product per Water Volume</u> 1.0 fl.oz. 3.1 gal 8.0 fl.oz. 25.0 gal 16 fl.oz. (1pt) 50.0 gal 32 fl.oz. (1qt) 100.0 gal 1 gallon 400.0 gal

6. Poultry

Table 5. Directions for Poultry			
Pests Controlled	Use Directions	Dilutions Rate (parts product to parts water)	Spray Preparation
Poultry Mites, Northern Fowl Mites, Lice.	Use a fine mist to deliver 0.5 fl.oz. of spray solution per bird, or 1 gallon of spray solution per 100 birds. Spray roosts, walls and nests or cages.	1:200	<u>Amount Product per Water Volume</u> 8.0 fl.oz. 12.5 gal 16 fl.oz. (1pt) 25.0 gal 32 fl.oz. (1qt) 50.0 gal 1 gallon 200.0 gal

7. Dog Premises — Surface Spray

Application sites: Dog premises: Dog Houses

Table 6. Directions for Dog Premises — Surface Spray			
Pests Controlled	Use Directions	Dilutions Rate (parts product to parts water)	Spray Preparation
Fleas, Flies, Ticks, Lice Mange (adult and larvae).	Surface spray: 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 at 2 week intervals as needed.	1:100	<u>Amount Product per Water Volume</u> 1.33 fl.oz. 1.0 gal 8.0 fl.oz. 6.25 gal 16 fl.oz. (1pt) 12.5 gal 32 fl.oz. (1qt) 25.0 gal 1 gallon 100.0 gal

8. Dogs — Direct Application

Table 7. Directions for Dogs — Direct Application			
Pests Controlled	Use Directions	Dilutions Rate (parts product to parts water)	Spray Preparation
Fleas; Ticks, Including Deer Ticks; Lice; Mange.	Do not treat puppies less than 12 weeks old. Thoroughly wet the animal by dipping, sponging or spraying. Allow animal to dry without rinsing or toweling. Do not repeat treatment for 7 days. Consult a veterinarian before using this product on debilitated, aged, pregnant, medicated or nursing animals. 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.	1:200	<u>Amount Product per Water Volume</u> 0.65 fl. oz. 1.0 gal 1.0 fl. oz. 1.5 gal 8.0 fl.oz. 12.5 gal 16 fl.oz. (1pt) 25.0 gal 32 fl.oz. (1qt) 50.0 gal 1 gallon 200.0 gal

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store upright at room temperature. Avoid exposure to extreme temperatures.

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

For Plastic Containers – Nonrefillable with capacities equal to or less than 5 gallons:

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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.

Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

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