



PERMETHRIN 10%

Rapid Kill

Insecticide Concentrate

Controls flies, mosquitoes, lice, ticks & other insects as listed

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climate modification and being grown in interior landscapes, ornamental gardens or parks or lawns and grounds.

For Use Outdoors, In Residences and Non-Food/Feed Areas of Commercial Buildings, Institutions, Warehouses, Theaters, Office Buildings, Schools, Motels, Hotels, Restaurants, Kennels and Food/Feed Processing Establishments.

PET USE APPLIES TO ONLY ON DOGS

Active Ingredient:

Permethrin*10.00%

Other Ingredients**90.00%

Total100.00%

*cis/trans ratio: Max 65% (+/-) trans and min. 35% (+/-) cis.

**Contains Petroleum Distillates

EPA REG. 47000-103-12281

EPA Est. No. 47000-IA-01

EPA Est. No. 66171-CA-001

EPA Est. No. 66171-TN-001

(First letter of batch number indicates establishment)

**KEEP OUT OF REACH
OF CHILDREN
WARNING**

*See back panel and inside of booklet for First Aid
and additional Precautionary Statements*

Mfg for: Durvet, Inc., 100 S.E. Magellan Drive, Blue Springs, MO 64014



**NET CONTENTS:
1 Gallon (3.785 L)**

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes skin irritation. Do not get on skin, in eyes or on clothing. Harmful if inhaled. Avoid breathing vapor or spray mist. Causes moderate eye irritation. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Do not use on puppies under 12 weeks. Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing animals, or animals on medication. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with larger amounts of water. If signs continue, consult a veterinarian immediately. Do not use on cats.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry area. Always store pesticide in the original container. Store away from food and pet food. Avoid extremes in temperature.

PESTICIDE DISPOSAL AND CONTAINER HANDLING:

Non-refillable container. Do not reuse or refill this container.

If empty: Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.



DO NOT
USE ON
CATS

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OPEN
HERE



FOR USE AS A PERIMETER TREATMENT:

Spray outside surfaces of barns, dairies, poultry houses, swine and livestock housing, and feed lots to control house flies, stable flies and other manure-breeding flies. **Permethrin 10% Rapid Kill Insecticide Concentrate** also aids in the control of cockroaches, ants, spiders, mosquitoes, crickets and face flies. Walk and spray at a steady pace. Spray walls and surfaces thoroughly but do not allow runoff to occur. Do not contaminate animal feed or water by spray.

For Temporary Reduction of Annoyance from flies, gnats & mosquitoes: For outdoor use at drive-in restaurants, drive-in theaters, urban areas, parks, playgrounds and other recreational areas, dilute 1 part concentrate in 39 parts water (3.2 fl. oz. per gallon)(0.25%). Direct the spray into tall grass, shrubbery and around lawns, where these pests may hover or rest. Apply **Permethrin 10% Rapid Kill Insecticide Concentrate** while the air is still, and avoid over-wetting foliage. Make applications prior to occupancy.

For the Treatment of corals, feedlots, swine lots and zoos:

Cover any exposed water, drinking fountains and animal feed and feeding equipment before applications. Fill the area with mist and direct the **Permethrin 10% Rapid Kill Insecticide Concentrate** into tall grass, shrubbery and around lawns where the above pests may hover or rest. Apply while the air is still and avoid wetting foliage. In zoos, do not expose reptiles to this product.

FOR USE ON ORNAMENTAL PLANTS:

To protect ornamental plants, including trees, shrubs, flowers, evergreens, foliage plants and ground covers, use **Permethrin 10% Rapid Kill Insecticide Concentrate** as a contact and residual spray. Treat at the first sign of insects or insect damage. Apply in the late afternoon or evening when the temperature ranges from 50°F to 80°F (10°C to 26.7°C) and when there is little or no wind. Spray at 4- to 8-day intervals if insect activity continues. Wet the plants thoroughly, but avoid run-off or dripping. Try to hit underside of leave. Do not use more product than listed on the label as this may cause plant injury.

Plants	Insects
Ageratum, Arizona Cypress, Aster, Azalea, Begonia, Coleus, Common Ninebark, Common Snowberry, Elm, Exacum Euonymus, English Ivy, Gladiolus, Gold bells, Hypoestes, Ivy, Lilac, Marigold, Mock Orange, Nannyberry, Orchid, Palm Pansy, Pea Shrub, Petunia, Philodendron, Poinsettia, Rhododendron, Rose, Snapdragon, Taxus, Wax Plant, Weeping Fig, Zinnia.	Aphids, Bagworms, Cicadas, Corn Earworms, Fall Cankerworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider Mites, Exposed Thrips, Whiteflies

FOR USE ON ORNAMENTAL TREES:

Use sufficient spray to obtain full coverage of all foliage.

Trees	Insects
Birch	Leafminers
Cherry & Honeysuckle	Fall Webworms
Conifers	Budworms
Douglas and Grand firs	Tussock Moths
Elm	Elm Leaf Beetle, Elm Spanworms, Fall Webworms
Non-bearing citrus	Citrus Black Flies
Oak	Oakworms
Pine	Pine moths, Pine needle miners, Pine beetles, Needle scales
Tulip poplar	Aphids

FOR USE ON NUISANCE PESTS IN OUTDOOR AREAS:

For severe infestation, dilute 1 part concentrate in 19 parts water (6.4 fl. oz. per gallon of water) (0.50%) and treat each 400 linear feet with a 6-inch spray band. For normal infestations, dilute 1 part concentrate in 39 parts water (3.2 fl. oz. per gallon) (0.25).

Insects	Directions
Ants, crickets, earwigs, fleas, ticks	For 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.
Tent caterpillars	Apply when caterpillars are young, and tents are first noticed. For best results, apply in the late afternoon or evening. Caterpillars may be seen escaping from the tent after treatment, however they should die within several hours.
Outside Surfaces of Buildings	
Ants, clover mites, crickets, earwigs, millipedes, Sowbugs (Pillbugs)	To help prevent infestations 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 to outside surfaces of buildings, patios, garages and other areas where these pests may be found.
Flies (cluster, house), gnats, flying moths, mosquitoes	As an aid in reducing annoyance from these insects, spray outside surfaces of screen, doors, window frames or wherever these insects may enter the home. Also treat surfaces around light fixtures on porches, in garages and in other places where these insects congregate or alight.

FOR USE ON LAWNS:

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Irish Moss, Merion and St. Augustine lawns.

Insects	Directions
Armyworms, ticks, cutworms, chinch bugs, fleas, Sod Webworms	Thoroughly wet grass with water a few hours before applying Permethrin 10% Rapid Kill Insecticide Concentrate . Home lawns should be no taller than 3 inches at the time of application. Mix 3.2 fl. oz. per gallon of water (0.25%) to treat 1,000 square feet. Slightly more water may be used as long as the amount of product applied per area is the same. Delay watering or mowing for 24 hours after treatment. For heavy infestations, repeat application after 2 weeks.
Japanese Beetle, grubs, mole crickets	Lawns should be no taller than 3 inches at the time of application. Mix 1.28 fl. oz. per gallon of water (0.10%) to treat 1,000 square feet. Slightly more water may be used as long as the amount of product applied per area is the same. Irrigate lawns with ¼ inch of water immediately after application. For heavy infestations, repeat application after 2 weeks.
Ants, crickets, grasshoppers	Thoroughly wet grass water a few hours before applying Permethrin 10% Rapid Kill Insecticide Concentrate . Home lawns should be no taller than 3 inches at the time of application. Mix 1.28 fl. oz. per gallon of water (0.10%) and treat 1,000 square feet. Slightly more water may be used as long as the amount of product applied per area is the same. For heavy infestations, repeat application after 2 weeks.
Fire Ants	Mix 6.4 fl. oz. in 1 gallon of water (0.50%). Apply at the rate of 1 gallon per mound as a gentle rain from a typical garden sprinkling can. Thoroughly wet the mound and surrounding area to a diameter of 4 feet. For best results, apply in cool weather, 65°F to 80°F (18.3°C to 26.7°C), or in early morning or late evening hours. Treat all mounds in the vicinity and treat all colonies which have not yet constructed mounds. Do not use equipment that produces a pressurized spray since this will disturb fire ants and cause migration, reducing product effectiveness.

FOR USE ON TREES AND SHRUBS

Mix 1 fl. oz. of **Permethrin 10% Rapid Kill Insecticide Concentrate** in 3 gallons of water. Spray at the first sign of insects or insect damage. Wet leaves and branches to the point of dripping. For best results, penetrate dense foliage. Treat in later afternoon or evening when temperature range from 50°F to 75°F (10°C to 23.9°C) and when there is little or no wind. Repeat every 4 to 8 days if needed. Application can be made up to the day of collection.

Plants	Insects
Arizona Cypress, Azalea, Birch, Ornamental Cherry, Non-Bearing Citrus, Conifers, Elm, English Ivy, Euonymus, Weeping Fig, Fir, Honeysuckle, Lilac, Mock Orange, Oak, Palm, Philodendron, Pine, Poinsettia, Tulip, Poplar, Rhododendron, Taxus	Aphids, Bagworms, Cicadas, Fall Cankerworms, Fall Webworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider mites, Thrips (exposed), Whiteflies
Conifer	Budworms
Elm	Elm leaf beetles, elm Spanworms, fall webworms
Douglas and Grand fir	Tussock moths
Non-Bearing Citrus	Citrus black flies
Oak	Oakworms
Pine	Pine Needles, pine moths, pine needle miners, needle scales

ROSES AND FLOWERS

Mix 1 fluid ounce in 3 gallons of water. Spray at the first sign of insects. Wet the plants to the point of dripping. Try to penetrate dense foliage. Treat in later afternoon or evening when temperature range from 50°F to 75°F (10°C to 23.9°C) and when there is little or no wind. Repeat every 4 to 8 days if needed. Application can be made up to the day of collection.

Plants	Insects
Ageratum, Aster, Azalea, Begonia, Coleus, Common Ninebark and Snowberry, Exacum, Gladiolus, Gold Bells, Hypoestes, Ivy, Lilac, Marigold, Mock-Orange, Nannyberry, Orchid, Pansy, Pea Shrub, Petunia, Poinsettia, Rhododendron, Rose, Snapdragon, Zinnia	Aphids, bagworms, cicadas, cankerworms (fall), inchworms, leafminers, leafrollers, mealybugs, spider mites, thrips (exposed), fall webworms, whiteflies.

TREATMENT OF ANIMALS AND ANIMAL QUARTERS

Insects	Dilutions (Mix Well)	How to Apply
PESTS ON LARGE ANIMALS (Dairy or Beef Cattle, Horses, Sheep and Goats)		
Horn Flies, face flies, stable flies, mosquitoes, lice, mites, ticks (Including deer tick which may carry Lyme Disease)	For severe infestations, dilute 1.28 fl. oz per gallon of water (1 part concentrate to 99 parts water) (0.10%). For normal infestations, dilute 0.64 fl. oz per gallon of water (1 part concentrate to 199 parts water) (0.05%)	Spray thoroughly to cover the entire animal. For lice or mites, a second treatment is recommended in 14- to 21 days. Spray lactating dairy cows only after milking is completed.
Horn flies, face flies, stable flies, ear ticks	Dilute 2 fl. oz. per gallon of water (0.16%)	For Spot Treatment – Low Pressure Spray – Apply 0.5 fl. oz. of diluted use-solution per ear or 1- to 4 fl. oz. on face, or 12-16 fl. oz. along the backline.
Horn flies, face flies, stable flies, ear ticks	Dilute 8 fl. oz. in 5 gallons of oil (0.125%)	For Backrubber – Keep backrubber charged. Results can be improved by forced use.

Insects	Dilutions (Mix Well)	How to Apply
FOR PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Poultry & Livestock Housing)		
Horseflies, Stable flies, lesser houseflies, and other manure breeding flies, fleas, lice, mites, ticks (Including deer tick which may carry Lyme Disease). Aids in control of cockroaches, mosquitoes and spiders	Dilute 3.2 fl. oz. per gallon of water (0.25%)	Spray walls and surfaces thoroughly, but do not let run off occur. Spray 1 gallon for 750 to 1,000 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.
PESTS IN CATTLE BARNs, HORSE BARNs, SWINE HOUSEs, KENNELs, MILKING PARLORs, MILK ROOMs, DAIRIES, POULTRY HOUSEs, FEEDLOTs, STABLEs AND PADDOCKs		
Flies, mosquitoes, gnats	For initial cleanout of severe insect infestations, dilute 6.4 oz per gallon of water (1 part concentrate to 19 parts water) (0.50%). For normal infestations, dilute 3.2 oz per gallon of water (1 part concentrate to 39 parts water) (0.25%)	Apply as a fine mist, directing the spray toward the ceiling and upper corners until the area is filled with mist. Use 1 fl. oz. of diluted use-solution per 1,000 cubic feet of space. For best results, close doors and windows before spraying and keep area closed for 10 to 15 minutes. Vacate the treated area and ventilate before reoccupying.
FOR PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)		
Mange mites	Dilute 1.28 fl. oz. per gallon of water (1 part concentrate to 99 parts water) (0.10%)	Spray, dip or sponge animals. Repeat treatment after 14 days, spraying walls, floor spaces, and bedding to kill mites during later hatching, and developing stages.
Blowflies, flies, mosquitoes, hog lice, fleas, ticks (Including deer tick which may carry Lyme Disease)	Dilute 1.28 fl. oz. per gallon of water (1 part concentrate to 99 parts water) (0.10%)	Spray, dip or sponge to apply 1 pint 916 fl. oz.) per pig, especially around ears.
Poultry mites, Northern Fowl mites, lice	Dilute 1.28 fl. oz. per gallon of water (1 part concentrate to 99 parts water) (0.10%)	Spray at the rate of 1 gallon per 100 birds with a fine mist. Spray roosts, walls, nests and cages.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **PESTICIDE STORAGE:** Store in a cool, dry area. Always store pesticide in the original container. Store away from food and pet food. Avoid extremes in temperature. **PESTICIDE DISPOSAL AND CONTAINER HANDLING:** **Non-refillable container.** Do not reuse or refill this container. *If empty:* Place in trash or offer for recycling if available. *If partly filled:* Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

DISCLAIMER

To the extent permitted by applicable law, Seller makes no representation or warranty, either express or implied, for results due to misuse, improper handling, or improper storage of this material. Nor does Seller assume any responsibility for injury to persons, crops, animals, soil, or property arising out of misuse, improper handling, or improper storage of this material.

For non-emergency (e.g., current product information), Call: **1-800-621-8829**

FIRST AID

If on Skin or on 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 further treatment advice.
If In Eyes:	<ul style="list-style-type: none">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 further treatment advice.
If Inhaled:	<ul style="list-style-type: none">Move person to fresh air.If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.Call a poison control center or doctor for further treatment advice.
If Swallowed:	<ul style="list-style-type: none">Call a poison control center or doctor immediately for treatment advice or transport the patient to the nearest hospital.Do not give any liquid to the patient.Do not administer anything by mouth to an unconscious person.Do not induce vomiting unless told to do so by the poison control center or doctor.

NOTE TO PHYSICIAN: Contains petroleum distillate. May pose an aspiration pneumonia hazard.

Have product container or label with you when calling a poison control center, doctor, or going in for treatment. For 24-hour emergency information on this product, call 1-800-498-5743 (US & Canada) or 1-651-523-0318 (all other areas)

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