



028293-00271-060199

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Systems Integration Group, Inc.

PM03

28293-271

6/1/99

1 of 9

Unicorn 2.5% Permethrin Concentrate /Repellent

For Use On Residential Lawns and Gardens Only

- Up to 4 Week Control
 - Water Based
 - Kills and Repels
- Kills Ticks that may carry Lyme Disease
- Stop Bugs in Your
 - Lawns
 - Trees & Shrubs
 - Roses & Flowers
 - Fruits & Nuts
 - Vegetables
- Spray Around Yard Perimeter
- 32 oz. Treats Up to 5,000 Square Feet
- Hose End Use - Always Shake Well Before Using

Contains Permethrin, a long lasting insecticide which provides contact and residual control for up to 4 weeks of many hard-to-kill sucking and chewing insects.

ACTIVE INGREDIENT:

Permethrin*.....	2.5%
[* (3-Phenoxyphenyl) methyl (+) cis/trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate]	

INERT INGREDIENTS:	97.5%
	100.0%

* Cis/trans isomer ratio: Min. 35% (+) cis
 Max. 65% (+) trans

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Side/Back Label Panel for Additional Precautionary Statements

NET CONTENTS:
Manufactured By:
 Unicorn Laboratories
 12385 Automobile Blvd.
 Clearwater, Florida 33762

ACCEPTED

JUN - 1 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 28293-271

EPA REG. NO. 28293-271
(AMD:4/28/99 highlighted)

EPA REG. NO. 62478-FL-1A; 44616-MO-1B
Subscript used is first letter of run code on container.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: May be harmful if swallowed or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment

IF SWALLOWED: Call a physician or Poison Control Center immediately.

IF ON SKIN: Wash promptly with plenty of soap and water. Wash contaminated clothing.

IF IN EYES: Rinse eyes for at least 15 minutes with plenty of water. Call a physician if irritation persists.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

Environmental Hazards

This pesticide is extremely toxic to fish. Do not apply directly to water. Drifts and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when 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.

STORAGE AND DISPOSAL

Store in a cool, dry area away from heat or open flame. Do not reuse container. Rinse thoroughly before discarding in trash.

DIRECTIONS FOR USE

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

This product kills troublesome outdoor insects which destroy lawns, roses, flowers, trees and shrubs: Ants, Bagworms, Aphids, Borers, Armyworms, Chinch Bugs, Inchworms, Spider mites, Green fruitworms, Beetles, Fleas, Cicadas, Thrips, Leafhoppers, Cutworms, Sod webworms, Leafrollers, Whiteflies, Moths, Weevils.

Also kills Alfalfa loopers, Brown dog ticks, Budworms, Cabbageworms, Citrus black flies, Cluster flies, Codling moths, Corn earworms, Crickets, Earwigs, Elm spanworms, Fall cankerworms, Gnats, Grasshoppers, House flies, Japanese beetles, Leafminers, Lone star ticks, Lygus bugs, Mealybugs, Millipedes, Mole crickets, Mosquitoes, Navy orangeworms, Scales, Sowbugs (pillbugs), Spring cankerworms, Tent caterpillars, Ticks including Deer tick (which may carry Lyme disease) Tobacco budworms and many others.

THREE EASY STEPS TO MIX AND APPLY:

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

Step #2: Use a clean sprayer. Carefully measure and mix the amount of concentrate and water as directed.

Step #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. See directions for complete insect list.

Use dilution rates as indicated. 1 fl. oz. = 6 tsp. or 2 Tbsp; 8 fl. oz. = ½ pint or 1 cup.

NUISANCE PESTS IN OUTDOOR AREAS**GENERAL DIRECTIONS**

Use 6 2/3 fl. ozs. in 1 quart of water, treating 400 linear feet with a 6-inch spray band.

OUTSIDE SURFACES OF BUILDING

Pests: Ants, Clover mites, Crickets, Earwigs, Millipedes, Sowbugs (pillbugs), Mosquitoes

HOW TO USE: 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 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. Repeat treatment as needed to maintain effectiveness.

OTHER OUTDOOR AREAS

Pests: Ants, Crickets, Earwigs, Fleas, Lone star ticks, Ticks, including Deer tick (which may carry Lyme disease)

HOW TO USE: 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 reinfestation occur.

Pests: Cluster flies, Flying moths, Gnats, House Flies, Mosquitoes

HOW TO USE: For use only as an aid in reducing annoyance from these insects. 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 and other places where these insects alight or congregate. Repeat as necessary.

Pests: Tent caterpillars

HOW TO USE: Application should be made when caterpillars are young and tents are first noticed. For best results, apply in the late afternoon or evening, when caterpillars have returned to their tents. Wet tents with spray on all sides. A few caterpillars may be seen escaping from the tent, however, they should die within several hours.

**Do not spray animals.
People and pets should not be allowed
in treated areas until spray has dried.**

HOME LAWNS

BENT, BERMUDA, BLUEGRASS, DICHONDRA, FESCUE, IRISH MOSS, MERION, ST. AUGUSTINE Pests: **Ants, Armyworms, Brown dog ticks, Chinch bugs, Crickets, Cutworms, Fleas, Grasshoppers, Japanese beetle grubs, Mole crickets, Mosquitoes, Sod webworms, Ticks, including Deer Tick (which may carry Lyme disease)**

HOW TO USE: 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 2 fl. ozs. in 3 gallons of water to cover 1,000 sq. ft. **For other listed insects,** use 6 fl. ozs. in 10 gals. of water to cover 1,000 sq. ft.

TREES & SHRUBS

ARIZONA CYPRESS, AZALEA, BIRCH, 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

Pests: **Aphids, Bagworms, Cicadas, Exposed thrips, Fall cankerworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider mites, Whiteflies**

CHERRY, HONEYSUCKLE

Pests: **Fall webworms**

CONIFER

Pests: **Budworms**

ELM

Pests: **Elm leaf beetles, Elm spanworms, Fall webworms**

DOUGLAS AND GRAND FIRS

Pests: **Tussock moths**

NON-BEARING CITRUS

Pests: **Citrus black flies**

OAK

Pests: **Oakworms**

PINE

Pests: **Pine beetles, Pine moths, Pine needleminers, Needle scales**

HOW TO USE: Use 1 fl. oz. in 1 gallon of water. Apply as a thorough spray, wetting leaves and branches to the dripping point. Try to penetrate dense foliage. Spray in the late afternoon or evening, when the temperature ranges from 50° to 75° F and when there is little or no wind. Spray at the first sign of insects. Repeat as necessary; use intervals of 4-8 days. Application can be made up to the day of collection.

ROSES & FLOWERS

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

Pests: Aphids, Bagworms, Cicadas, Exposed thrips, Fall cankerworms, Fall webworms, Inchworms, Leafminers, Leafrollers, Mealybugs, Spider mites, Whiteflies

HOW TO USE: Use 1 fl. oz. in 1 gallon of water. Apply as a thorough spray, wetting the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage. Spray in the later afternoon or evening, when the temperature ranges from 50° to 75° F and when there is little or no wind. Spray at the first sign of insects. Repeat as necessary; use intervals of 4-8 days. Application can be made up to the day of collection.

FRUIT & NUT TREES

GENERAL DIRECTIONS: Use 2 fl. ozs. in 1 gallon water. Apply when insects appear. Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage.

ALMONDS

Pests: Navel orangeworms, Peach twig borers

HOW TO USE: Do not make more than 2 applications during hull split and 5 applications per season. Can be applied up to 7 days prior to harvest.

APPLES

Pests: Green fruitworms, Leafrollers (Oblique-banded; Redbanded), Plum curculio, Rosy apple aphids, Spotted tentiform leafminers, Tarnished plant bugs, White apple leafhoppers

HOW TO USE: Repeat as required to maintain control. Do not make more than 3 applications. Do not apply after petal fall.

PEACHES

Pests: Borers (Lesser peachtree, Peach twig), Green fruitworms, Plum curculio, Oriental fruit moths, Tarnished plant bugs

HOW TO USE: Do not apply within 7 days of harvest. Do not make more than 8 applications per season.

PEARS

Pests: Pear psylla

HOW TO USE: Apply during the dormant through delayed dormant growth period only. Do not make more than 2 applications per season.

PEARS (summer)

Pests: Codling moths, Green fruitworms, Pear psylla

HOW TO USE: Do not make more than 3 applications per season. Can be applied up to 14 days prior to harvest.

VEGETABLES

ASPARAGUS (pre-harvest)

Pests: Asparagus beetles, Cutworms

HOW TO USE: Use 1½ fl. ozs. in 1 gallon of water to cover 1000 sq. ft. Apply for uniform coverage as needed. Do not make more than 4 applications per crop. Can be applied up to 3 days prior to harvest.

ASPARAGUS (post-harvest)

Pests: Beetles (Adult Japanese, Larval stages of asparagus), Lygus bugs, Tarnished plant bugs

HOW TO USE: Use 1½ fl. ozs. in 1 gallon of water to cover 1,000 sq. ft. Treat ferns or bush growth after spear harvest when insects are present.

CELERY

Pests: Armyworms (beet, Fall, Southern), Cabbage loopers, Cutworms (black, granulate), Vegetable leafminers

HOW TO USE: Use 1½ fl. ozs. in 1 gallon of water to cover 1,000 sq. ft. Apply every 3-5 days or as needed. Can be applied up to 3 days prior to harvest. Do not make more than 10 applications per season.

COLE CROPS: BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER

Pests: Beet armyworms, Cabbage aphids and loopers, Diamondback moths, Imported cabbageworms

HOW TO USE: Use 1 fl. oz in 1 gallon of water to cover 1,000 sq. ft. Apply every 5 days or as needed. Can be applied up to 1 day prior to harvest. Do not make more than 8 applications on Cauliflower, Brussels Sprouts, and Broccoli and 10 applications on Cabbage.

EGGPLANT

Pests: Colorado Potato beetles, Vegetable leafminers

HOW TO USE: Use 3 fl. ozs. in 1 gallon of water to cover 1,000 sq. ft. Apply for uniform coverage as needed. Do not exceed 16 applications. Can be applied up to 3 days prior to harvest.

HORSERADISH (Foliar application)

Pests: Imported crucifer weevils

HOW TO USE: Use 3 fl. ozs. in 1 gallon of water to cover 1,000 sq. ft. Apply as needed. Do not exceed 3 foliar applications. Can be applied up to 22 days prior to harvest.

HEAD LETTUCE

Pests: Corn earworms, Beet armyworms, Loopers (Alfalfa, Cabbage), Tobacco budworms

HOW TO USE: Use 2 fl. ozs. in 1 gallon of water to cover 1,000 sq. ft. Apply every 5-10 days as needed. Do not make more than 10 applications per season. Can be applied up to 1 day prior to harvest.

POTATOES

Pests: Beetles (Colorado potato, Potato flea), Beet armyworms, Cabbage loopers, Cutworms, European corn borers, Leafhoppers (Aster, Potato), Potato aphids, Potato psyllids, Potato tuberworms, Tarnished plant bugs.

HOW TO USE: Use 1½ fl. ozs. in 1 gallon of water to cover 1,000 sq. ft. Apply as needed. Do not make more than 12 applications. Can be applied up to 7 days prior to harvest.

PEPPERS

Pests: Cabbage loopers, Corn earworms, European corn borers, Flea beetles, Pepper weevils, Vegetable leafminers

HOW TO USE: Use 2 fl. ozs. in 1 gallon of water to cover 1,000 sq. ft. Apply as needed, but not more than 8 applications per season. Can be applied up to 3 days prior to harvest.

SPINACH

Pests: Beet armyworms, Cabbage loopers, Corn earworms, Cutworms, European corn borers, Green cloverworms, Leafhoppers

HOW TO USE: Use 1½ fl. ozs. in 1 gallon of water to cover 1,000 sq. ft. Apply for uniform coverage when needed, but not more than 7 applications per season. Can be applied to up to 7 days prior to harvest.

SWEET CORN

Pests: Armyworms (Fall, Southern), Corn earworms, European corn borers

HOW TO USE: Use 1½ fl. ozs. in 1 gallon of water to cover 1,000 sq. ft. Apply every 5 days and when needed, but not more than 6 applications per season. Can be applied up to 1 day prior to harvest.

HOUSE PLANTS

INDOORS: To protect plants in greenhouses and lathhouses, and for indoor landscaping

AGERATUM, ARDISIA, ASTER, AZALEA, BABY'S BREATH, BEGONIA, BIRDSNEST FERN, BLEEDING HEART, CARNATION, CHRYSANTHEMUM, COLEUS, CROWN OF THORNS, COCKSCOMB, CYCLAMEN, DRACAENA, DUMBCANE, ENGLISH IVY, FUCHSIA, GLADIOLUS, GRAPE IVY, HYPOESTES, IVY, JUNIPER, LILY, MARIGOLD, ORCHID, PALM, PANSY, PEPEROMIA, PETUNIA, PHILODENDRON, PIGGY-BACK PLANT, POINSETTIA, PORTULACA, POTHOS, PRAYER PLANT, PURPLE PASSION, RABBITS FOOT FERN, ROSE, SCHEFFLERA, SNAPDRAGON, SNAKE PLANT, STATICE, VELVET PLANT, VERBENA, ZINNIA

Pests: Aphids, Armyworms, Corn earworms, Exposed thrips, Fall cankerworms, Inchworms, Japanese beetles, Leafminers, Leafrollers, Mealybugs, Scales, Spider mites, Spring cankerworms, Whiteflies

CHRYSANTHEMUMS

Pests: Armyworms, Cabbageworms, Cutworms, Leafrollers

VELVET PLANTS

Pests: Fungus gnats

HOW TO USE: Use 1 fl. oz. in 1 gallon of water. Contact and residual spray. Use sufficient spray to obtain full coverage of all foliage. Adjust spray volume used to plant size. Spray directly on insects. If application is to be made indoors, remove infested plants from living areas prior to application. Spray plants in an area not likely to be occupied by people or pets (particularly fish). When leaves dry, plants can be returned to original location. Do not use more product than recommended, as this may cause some plant injury. Use with care on ferns, palms and fuchsia. As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars, and, therefore, a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours, and check for possible injury. Repeat applications may be necessary to control citrus blackflies on non-bearing citrus and adult Japanese beetles on roses.

HOSE END SPRAYER: Easy to Use. For Application to Lawns, Outdoor Ornamentals, Outside Surfaces of Buildings, and Other Outdoor Non-Crop Areas. 32 oz. Treats Up to 5,000 Square Feet

1. Make sure Knob is twisted fully clockwise to OFF position. Shake well before attaching to hose.
2. Turn Product Control Button clockwise until the flat portion is flush with the lock tab, then push button all the way in. Avoid squeezing bottle.
3. Turn water on at faucet, aim nozzle toward lawn and turn Knob counterclockwise to begin spraying.

4. When finished push Product Control Button to OFF position from opposite side. Return Knob and faucet to OFF position. Discharge water pressure by turning Knob ON and OFF again. Turn Product Control Button counterclockwise away from lock tab to prevent accidental discharge. Store out of reach of children.

(Alternate Hose End Sprayer Directions – Used in accordance with type of Hose End packaged)

HOSE END SPRAYER: Easy to Use. For Application to Lawns, Outdoor Ornamentals, Outside Surfaces of Buildings, and Other Outdoor Non-Crop Areas.

32 oz. Treats Up to 5,000 Square Feet

1. Make sure knob Control lever is in the OFF position. Shake well and attach to hose.
2. Turn water on at faucet, aim nozzle toward lawn and turn knob Control lever to ON to begin spraying.
3. When finished turn Control lever to OFF position. Turn faucet to OFF Position. Discharge residual water pressure by turning ON and OFF again. Store out of reach of children.

(Alternate Hose End Sprayer Directions – Use in accordance with type of Hose End packaged)

HOSE END SPRAYER: Easy to Use. For Application to Lawns, Outdoor Ornamentals, Outside Surfaces of Buildings, and Other Outdoor Non-Crop Areas.

32 oz. Treats Up to 5,000 Square Feet

INSTRUCTIONS

1. Make sure Water Valve is in the OFF or back position and the red Product Mixing Valve is in the CLOSED or upright position.
2. Shake the product well and firmly attach to garden hose.
3. Turn water on at faucet and aim nozzle toward lawn. To begin water flow, turn Water Valve ON by pushing forward. To begin spraying mixture, rotate Product Mixing Valve OPEN by turning it ¼ of a turn counter clockwise.
4. Walk at a steady pace spraying in a side to side arc slightly overlapping treated areas. Refer to graduated side of container to guide coverage.
5. To stop spraying, turn the Product Mixing Valve to the CLOSED or upright position and return the Water Valve to the OFF or back position.
6. For product storage, both valves should be in the CLOSED/OFF position.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.