

498-189

11/15/2000

1/7

United States Environmental Protection Agency

Aludia B. Hernandez, Technical & Regulatory Compliance Manager  
Chase Products, Co.  
P.O. Box 70  
Maywood, IL 60153

NOV 15 2000

Subject: Submission of a revised label incorporating changes indicated in an Agency letter dated June 12, 2000. A current data matrix listing 2 studies for inclusion of scorpions and spiders unto the label.  
Date of Submission August 2, 2000  
Product Reg. No. 498-189  
Product Name: Kill Zone Flea & Tick Killer 2000

Dear A. Hernandez,

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

1. The referenced data (MRID # 44910901) is adequate to demonstrate the ability of permethrin to kill the striped-tailed scorpion (*Vejovis spinigerus*). In addition the Accession Number (234226) is not a valid Agency study for purposes of amending the label to include "spiders", thus delete spiders from the label.
2. The label submitted does not contain the Environmental Hazards section as originally approved on June 12, 2000. This statement is required language.
3. The "Storage and Disposal" section and associated paragraph, should be moved to after the "Directions for Use."
4. Include the language "Remove pets, birds, and cover fish aquariums before spraying." within the section of the "Directions for Use."

If you have any questions, you may contact Richard J. Gebken, at (703) 305-6701.

000498-00189 S584043.wpd

Sincerely,

George LaRocca  
Product Manager 03  
Insecticide Branch  
Registration Division (7505C)

Enclosure

CONCURRENCES

MBOL ▶	H7505C							
IRNAME	RGEBKEN							
DATE ▶	Nov 15, 2000							

2/7

FRONT PANEL

(KILLZONE LOGO)

FLEA & TICK KILLER  
2000

- Contains Pyrenone® and Permanone®
- Controls residential, garden and industrial insects
- Seeks out bugs where they hide
- Kills on contact
- For household/commercial/agricultural use
- A broad-spectrum insecticide highly effective against ants (including carpenter ants), beetles (including carpet, flour, grain and ground beetles), centipedes, clover mites, cockroaches, crickets (including mole crickets), earwigs, firebrats, fleas, millipedes, moths, pill bugs, scorpions, silverfish, sow bugs, spiders, and other pests listed on the label
- Non-staining
- Water-based formula
- For use on premises to control fleas and ticks
- Protects for up to 12 weeks against Cockroaches and Ants
- Protects for up to 4 weeks against other insects listed

**ACTIVE INGREDIENTS:**

Pyrethrins .....	0.10%
Piperonyl butoxide, technical .....	0.50%
Permethrin .....	0.20%

<b>OTHER INGREDIENTS:</b> .....	99.20%
Total	100.00%

Pyreperm, Pyrenone and Permanone are registered trademarks of Aventis Environmental Science.

EPA Reg. No. 498-189

EPA Est. No. 498-IL-1

**Contains no CFCs or other  
ozone-depleting substances.  
Federal regulations prohibit  
CFC propellants in aerosols.**

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**

NOV 15 2000

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

498-189

**NET WT. XX OZ. (XXX g)  
KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See precautionary statements on back of can.

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BACK PANEL

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

Harmful if inhaled. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash before reuse. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before spraying. Vacate room after treatment and ventilate before reoccupying. Do not allow children or pets to contact treated areas until surfaces are dry.

**FIRST AID**

**IF INHALED** • 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.

**PHYSICAL OR CHEMICAL HAZARDS**

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**DIRECTIONS FOR USE**

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

**STORAGE & DISPOSAL**

Do not store near heat or open flame. Do not reuse empty container. This container may be recycled in one of the limited number of aerosol recycling centers in the country. Before recycling, empty the can by using the product according to the label. **DO NOT PUNCTURE!** If recycling is not available, wrap the container and discard in the trash.

In the home, all food-processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed.

Do not use in food/feed areas of 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 foods are served, such as dining rooms, but excluding areas where food may be prepared or held.

Nonfood areas 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 use in rooms/areas while occupied by patients, the elderly or infirm. Do not apply to classrooms when in use.

### SHAKE WELL BEFORE USING

Hold container upright and spray from a distance of 12 to 15 inches.

#### INDOORS:

**CLUSTER FLIES, HOUSEFLIES, FRUIT FLIES, MOSQUITOES, GNATS, BLACKFLIES, SKIPPER FLIES, BLOWFLIES and SMALL FLYING MOTHS:** Close all doors and windows and direct spray upward into center of room with a slow sweeping motion. Spray 5 to 10 seconds for average room, moving toward the door. Direct spray to all parts of the room, especially windows and other light sources which attract these insects. Keep nozzle in constant motion. Leave room and keep area closed for 15 minutes after spraying. Ventilate room thoroughly before reentry. Sweep up and discard fallen insects. Repeat treatment in 4 weeks if reinfestation occurs.

**COCKROACHES, WATER BUGS, PALMETTO BUGS, SILVERFISH, FIREBRATS, CRICKETS, SCORPIONS, SPIDERS, MILLIPEDES, CENTIPEDES, SOW BUGS and PILL BUGS:** Spray into hiding places such as cracks and crevices, behind sinks, cabinets, along baseboards and floors, around drains and plumbing, hitting insects with spray whenever possible. Spray to the point of dampness but not run-off. Repeat treatment in 4 weeks if reinfestation occurs.

**ANTS:** Spray trails, nests and points of entry. Spray on ants where possible. Repeat treatment in 4 weeks if reinfestation occurs.

**INDIAN MEAL MOTHS, ANGOUMOIS GRAIN MOTHS:** Close doors and windows. Direct spray into all parts of room, especially around stored food-product containers, pallets and darkened areas. Spray 7 to 10 seconds for each 1000 cubic feet of space, moving toward the door. Leave room and keep area closed for 15 minutes following treatment. Repeat treatment in 4 weeks if reinfestation occurs.

**EXPOSED STAGES OF CONFUSED FLOUR BEETLES, CIGARETTE BEETLES, DRUG STORE BEETLES, SAW-TOOTHED GRAIN BEETLES, RED FLOUR BEETLES, RICE WEEVILS, GRANARY WEEVILS, GRAIN MITES IN EXPOSED ADULT and LARVAE STAGES:** Spray into cracks and crevices, around cartons and containers, or other areas where these insects tend to congregate. Spray to the point of dampness but not run-off. Contact as many insects as possible. Spray 30 seconds for 100 square feet of surface. Keep area closed for 45 minutes to 1 hour after treatment. Space spray: Spray 20 seconds per 1000 cubic feet of space, moving toward the door. Leave room and keep area closed for 15 minutes following treatment. Infested stored food products should be disposed of, or treated using an approved product intended for this purpose.

**CARPET BEETLES:** Spray directly on beetles, floors, baseboards, shelves and carpets. Repeat treatment in 4 weeks if reinfestation occurs.

**TO CONTROL CLOTHES MOTHS and CARPET BEETLES** on wool and other proteinaceous fibers: Remove infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages, directing the spray into cracks, joints and crevices. Spray to the point of dampness but not run-off. After airing, infested articles may be treated by spraying lightly, keeping nozzle at least three feet from fabric to avoid staining.

**FLEAS IN BUILDINGS — SPACE SPRAY:** Hold can 36 inches above floor and direct spray toward floor and lower walls at a rate of 10 seconds per 100 square feet, making sure that all floor, sofa and chair surfaces are contacted. Leave room and keep area closed for 15 minutes. Open and ventilate before reoccupying. Repeat treatment after 7 days or as needed.

**FLEAS AND TICKS (ADULTS and LARVAE):** Remove and thoroughly clean or destroy pet bedding. Spray pet sleeping quarters, bed, entire floor and floor covering, with special attention to cracks and crevices around baseboards, and window and door frames. Spray to the point of dampness but not run-off. Infested upholstered furniture and mattresses may also be treated with this product. A test application should be made to upholstery or drapery fabrics in an inconspicuous place before use.

**IN ANIMAL QUARTERS and MILK ROOMS:** For rapid control of **HOUSEFLIES, MOSQUITOES, GNATS and SMALL FLYING MOTHS**, close windows and doors and spray at the rate of 2 seconds per 1000 cubic feet of space. For best results, keep area closed for 10 minutes after spraying. Do not remain in treated area and ventilate after treatment is completed. \*

**TO TREAT LIVESTOCK:** To protect beef cattle, dairy cattle, goats, sheep, hogs and horses from attacks of **STABLE FLIES, HORSEFLIES, DEERFLIES, FACE FLIES, HOUSEFLIES, HORN FLIES, MOSQUITOES, and GNATS:** Spray about 3 seconds on each side being careful to spray back, withers and forelegs thoroughly. To protect from face flies, spray the face and head, but do not spray into eyes. Repeat treatment when flies are troublesome.

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

**FOR CONTROL OF MITES IN POULTRY HOUSES,** spray crevices of roost poles, cracks in walls, and cracks in nests where bedbugs and mites hide. Spray to the point of dampness but not run-off.

#### **OUTDOORS:**

Point nozzle away from face. Hold can on slight downward angle. For best results, spray when air is calm. Allow a few minutes for product to take effect. Spray with wind if breeze is blowing.

**FLYING INSECTS: FLIES, MOSQUITOES, GNATS, SMALL FLYING MOTHS,** Allow fog

to drift over area. Direct spray toward bushes or grass from at least 4 to 6 feet away. Give special attention to breeding areas such as garbage cans and compost piles. Repeat treatment in 4 weeks if reinfestation occurs.

**MUD DAUBERS:** Spray mist directly on insects and their nests from approximately 2 feet away. Contacted insects will fly away from fog. Application should be made in late evening when insects are at rest. Spray into hiding and breeding places, contacting as many insects as possible.

**CRAWLING INSECTS: ANTS, COCKROACHES, INCLUDING ASIAN COCKROACHES, CRICKETS, MOLE CRICKETS, CENTIPEDES and SILVERFISH.** Spray infested surface of patio or picnic area, hitting as many insects as possible. Also spray legs of tables and chairs to repel ants. Spray ant hills for best control.

**FOR THE CONTROL OF GARDEN INSECTS (Not for use in commercial greenhouses, nurseries, sod farms or grass grown for seed):** For use on roses, dahlias, asters and other ornamentals to kill **JAPANESE BEETLES** hit by spray, as well as **WHITEFLIES, APHIDS, EXPOSED THRIPS, SPIDERS, RED MITES** and **LEAF MINERS**.

May be used on plants, as well as a multi-purpose spray in small gardens and for spot treatment of incipient infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwood, English ivy, euonymus, fuschia, geraniums, crassula, grape vine, Kentia palm, laurel, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against **WHITEFLIES, APHIDS, SPIDER and RED MITES, EXPOSED THRIPS, LACE BUGS, JAPANESE BEETLES, PAVEMENT ANTS, CLOVER MITES** and **ARMY WORMS**. When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Spray in one-second bursts. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment in 4 weeks in reinfestation occur.

#### **IMPORTANT: READ BEFORE USE**

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of the manner of use and other factors beyond Chase Products Co.'s control, it is impossible for Chase Products Co. to eliminate all risks associated with the use of this product. All such risks shall be assumed by the user or buyer.

**THE USER OF THIS PRODUCT ASSUMES ALL RISKS OF USE, STORAGE AND HANDLING NOT IN ACCORDANCE WITH ITS DIRECTIONS AND CAUTIONS.**

7/7

**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT CHASE PRODUCT CO.'S ELECTION, THE REPLACEMENT OF PRODUCT.

Questions about this product? Call (708) 865-1000.

**MEDICAL INFORMATION ONLY:**

Chem-Tel, Inc. (800) 255-3924

**CHASE PRODUCTS CO.**

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P.O. Box 70 • Maywood, IL 60153

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**BOTTOM OF LABEL**

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