



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
498-189

Date of Issuance:
June 12, 2000

Term of Issuance: Conditional

Name of Pesticide Product:
Kill Zone Flea and Tick Killer
2000

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Chase Products Co.
P.O. Box 70
Maywood, IL 60153

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A), provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of you product under FIFRA section 4.
- 2) **Please make the following labeling changes:**
 - a) Revise the EPA Registration Number to read "EPA Reg. No. 498-189 "
 - b) Please revise your First Aid statement in accordance with PR Notice 2000-3:

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.
 - c) Either delete all "Repeat as necessary" - type statements from your label or qualify by stating the minimum allowable time interval between applications. This should be based on the efficacy data cited in support of your product.

Signature of Approving Official:

Mary Lynn Keigwin

Date: June 12, 2000

For George T. LaRocca

- d) For all crack and crevice, baseboard, carpet and furniture treatments, please add the statement: "Spray to the point of dampness but not run-off".
 - e) Delete "processing and handling equipment" under "Exposed stages of confused flour beetles...". This phrase implies use in food handling equipment.
 - f) Under bedbugs and lice add the following precautions: "After mattress is dry cover with mattress cover and sheet. Do not use mattress without cover".
 - g) The MRID you cited for scorpions was for a study which the Agency did not accept. Additionally, we do not have any record of the MRID/study you cited for spiders on file. We also did not find any cited efficacy data in your data matrix for hornets, wasps, yellow jackets, bees, bedbugs and lice. Please submit or have Aventis Environmental Health cite (with MRID numbers) accepted data for all of the above insects with your final printed labeling or remove them from your label.
 - h) Please identify what the user is being protected from for "4 weeks, 12 weeks, 3 months" on the front panel. Otherwise, delete.
 - i) Under "For Control of Garden Insects" please add the following statement: "Not for use in commercial greenhouses, nurseries, sod farms or grass grown for seed".
 - j) Please remove the claim "No Unpleasant Odor". Many people are chemically sensitive and would not find this statement accurate.
- 3) Your CSF has been approved. Your product is toxicologically similar to EPA Reg. No.s 432-1199 and 432-1200 and the acute toxicity data for these products can be used in support of this product.

4. Please submit two (2) copies of your final printed label for before your release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact Tracy Keigwin of my team at (703) 305-6605.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide Branch
Registration Division (7505C)

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), bees, 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, ticks, wasps and other pests listed on the label
- Kills lice and their eggs
- For use on bedding, furniture and other inanimate objects infested with lice
- Non-staining
- No unpleasant odor
- Water-based formula
- For use on premises to control fleas and ticks
- Protects for up to 4 weeks
- Protects for up to 12 weeks
- Protects for up to 3 months

ACTIVE INGREDIENTS:

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

OTHER INGREDIENTS:	99.20%
Total	100.00%

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

EPA Reg. No. 498-XXX

EPA Est. No. 498-IL-1

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

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

See precautionary statements on back of can.

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ACCEPTED
with COMMENTS
in EPA Letter Dated

JUN 12 2000

Under the Federal Insecticide, Fungicide, and Rodenticide Act, no amended, for the use of registered under EPA 498-189

BACK PANEL

**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: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwaters.

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, WASPS, HORNETS, BEES, 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 as necessary.

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. Repeat treatment as necessary.

ANTS: Spray trails, nests and points of entry. Spray on ants where possible. Repeat as necessary.

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 application as necessary.

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, processing and handling equipment, around cartons and containers, or other areas where these insects tend to congregate. 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. Repeat application weekly or as

necessary. 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 as necessary.

BEDBUGS: Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. Repeat treatment as necessary. Allow all sprayed articles to dry thoroughly before use.

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. 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. 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.

TO KILL LICE and LOUSE EGGS: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Hold container upright with nozzle away from you. Depress valve and spray a distance of 8 to 10 inches. Spray each square foot for 3 seconds. Spray only those garments and parts of bedding, including mattresses and furniture, that cannot be either laundered or dry cleaned. Allow all sprayed articles to dry thoroughly before use.

IN ANIMAL QUARTERS and MILK ROOMS: For rapid control of **HOUSEFLIES, MOSQUITOES, GNATS, WASPS, HORNETS, BEES** 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.

TO CONTROL BLOOD SUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

TO CONTROL POULTRY LICE, spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

FOR CONTROL OF BEDBUGS and MITES IN POULTRY HOUSES, spray crevices of roost poles, cracks in walls, and cracks in nests where bedbugs and mites hide.

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, HORNETS, WASPS and YELLOW JACKETS. 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 as necessary.

MUD DAUBERS and WASP NESTS: 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: 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 as infestations 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.

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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