



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004

EPA Reg. Number:

47000-149

Date of Issuance:

DEC 12 2004

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance:

Conditional

Name of Pesticide Product:

Permethrin .25% Dust

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Chem-Tech, Ltd  
1479 West Pond Road  
Eagan, MN 55122

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 when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
  - a. Add the phrase "EPA Registration No. 47000-149."
  - b. In the third sentence of the warranty statement replace "In no case shall" with "To the fullest extent allowed by law Chem-Tech, Ltd or seller shall not be liable for any ...."

Signature of Approving Official:

Date:

December 12, 2004

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3. Submit two (2) copies of your final printed labeling before you release the product for shipment.

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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

If you have any questions regarding this application please contact Linda DeLuise of Team 13 at (703) 305-5428.

Enclosure

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## Permethrin .25% Dust

Editors Note: Text in Brackets [ ] indicates alternate or optional wording, any or all of which may appear on the final labeling.

- [PERMETHRIN] [Contains PERMETHRIN]
- [KILLS beetles, caterpillars, bugs and many more]
- [Ready to Use]
- [Easy-To-Use]
- [Controls ornamental pests]
- [To control (kill) vegetable pests]
- [Use on home garden fruits, vegetables and ornamental plants (including roses)]
- [Use on fruit & nut trees]
- [Use on dogs, cats and pet bedding to control fleas, ticks and lice]
- [Controls Horn Flies and Lice on Beef and Dairy Cattle]
- [Aids in reducing Face Fly population on Beef and Dairy Cattle]
- [Controls Lice on Swine]
- [Controls Northern Fowl Mites on Poultry]
- [For use in dust bags, [this] shaker can or mechanical dust applicator]
- [Easy-to-use powder duster]
- [No unpleasant odor]

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

DEC 12 2004

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

47000-149

**ACTIVE INGREDIENT:**

Permethrin\* ..... 0.25%

**OTHER INGREDIENTS:** ..... 99.75%

**Total** ..... 100%

\*(3-phenoxyphenyl)methyl (+/-) cis/trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate  
(Cis/Trans ratio: Min. 35% (+/-) cis and max. 65% (+/-) trans.)

KEEP OUT OF REACH OF CHILDREN

### CAUTION

FIRST AID	
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF IN EYES:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 15 minutes, then continue rinsing eyes.</li> <li>• Call a poison control center for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information contact: National Pesticide Information Center at 1-800-858-7378 between 6:30 AM and 4:30 PM Pacific Time. After 4:30 call your poison control center.</p>	

See [back] [side] panel for further precautions and directions.

EPA Reg. No. 47000-

EPA Est. No.

Net Contents:

Manufactured by:  
Chem-Tech, Ltd.  
Des Moines, IA 50321

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

**HUMANS:** Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**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.

**ENVIRONMENTAL HAZARDS**

This product is extremely toxic to fish and aquatic organisms. Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwater.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

READ THE ENTIRE LABEL BEFORE EACH USE.

FOR PET USE - USE ONLY ON DOGS & CATS

**HOME GARDENS**

For use on home gardens. Not for use on plants being grown for commercial sale or commercial use.

This product [Brand Name] controls a wide range of insect pests. Apply when insects first appear before damage from feeding occurs. Wearing household latex or rubber gloves, use a dust applicator such as a [this] shaker can, dust gun, puffer or other bulbous duster, rotary duster or other appropriate duster as available. Dust lightly to cover upper and lower leaf surfaces with a thin, even film of dust. Apply when air is calm to avoid drift and contact with eyes and skin. Allow dust to settle in treated areas before reentering. Wash hands thoroughly after handling and before eating or smoking. Do not allow dust to wind drift to nontarget plants or water supplies. Start applying at the farthest corner of the treatment area and work backward to avoid contact with dusted surfaces. For plants above chest height, consider using [brand insecticide].

**Vegetables and Melons**

The number in parentheses ( ) following each crop grouping is the pre-harvest interval, e.g., the number of days that must be observed between application and harvest.

**Artichokes (0):** To control (kill) *artichoke plume moth*, *leafminer*. Do not exceed 5 applications per season.

**Asparagus (1):** To control (kill) *asparagus beetle*, *cutworm*. Do not exceed 4 applications per season.

**Asparagus (post-harvest):** To control (kill) *larval and adult stage of asparagus beetle*, *tarnished plant bug*, *lygus bug*, *collards* and *adult stage of Japanese beetle*. Dust ferns or bush growth after spear harvest when insects are present. (Not for use in California).

**Celery** - see leafy vegetables.

**Cole Crops (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage (tight-heading variation only), Chinese Broccoli (on gai lon, white flowering)). (1):** To control (kill) *beet armyworm*, *cabbage aphid*, *cabbage looper*, *cutworm*, *diamondback moth*, *flea beetle*, *imported cabbageworm*, *leafminer*, *plant bug*, *thrips*. Apply every 5 days or as needed. Do not exceed 8 applications per season on cauliflower, Brussels sprouts and broccoli, or 5 applications on cabbage.

Corn - see sweet corn.

Cucurbits (Balsam Pear - bitter melon; Chinese waxgourd - Chinese preserving melon; Citron melon; Cucumber; Gherkin; Edible gourds; Melons including hybrids such as cantaloupe, casaba, crenshaw, honeydew, honeyballs, mango melon, muskmelon, Persian melon; Pumpkin, Squash - summer and winter; Watermelon) (0): To control (kill) *aphid, cabbage looper, cucumber beetle (adult), cutworm, leafhopper, leafminer, melonworm, pickleworm, plant bug, squash bug*. Do not exceed 8 applications per season.

Eggplant (3): To control (kill) *Colorado potato beetle, vegetable leafminer, flea beetle*. Do not exceed 10 applications per season.

Leafy Vegetables (Amaranth, Arugula, Celery, Chervil, Corn Salad, Chrysanthemum (edible-leaved and garland), Cress (garden and upland), Dandelion, Dock, Endive, Fennel, Lettuce (head and leaf), Orach, Parsley, Purslane (garden and winter), Rhubarb,

Spinach, Swiss chard (1): To control (kill) *alfalfa looper, aphid, beet armyworm, cabbage looper, corn earworm, cutworm,*

*European corn borer, fall armyworm, green cloverworm, Southern armyworm, tobacco budworm, vegetable leafminer*. Do not exceed 5 applications per season.

Melons - see Cucurbits.

Onions (dry bulb & garlic) (1): To control (kill) *armyworm, cutworm, leafminer, onion maggot (adult), onion thrips, stink bug*. Do not exceed 6 applications per season.

Peppers (bell) (3): To control (kill) *beet armyworm, aphid, cabbage looper, corn earworm, European corn borer, flea beetle, pepper weevil, vegetable leafminer*. Do not exceed 8 applications per season.

Potatoes (14): To control (kill) *beet armyworm, cabbage looper, Colorado potato beetle, cutworm, European corn borer, potato aphid, potato flea beetle, potato leafhopper, potato psyllid, potato tuberworm, tarnished plant bug*. Do not exceed 8 applications per season.

Spinach (1): To control (kill) *aster leafhopper, beet armyworm, cabbage looper, corn earworm, cutworm, European corn borer, leafhopper*. Do not exceed 5 applications per season.

Sweet Corn (1): To control (kill) *corn earworm, corn rootworm (adult), European corn borer, fall armyworm, hop vine borer, leafhopper,*

*Southern armyworm, stalk borer*. Dust every 5 days or as needed. Do not exceed 6 applications per season.

(FL-only: 8)

Tomatoes (0): To control (kill) *beet armyworm, cabbage looper, Colorado potato beetle, granulate cutworm, hornworm,*

*vegetable leafminer, tomato fruitworm, tomato pinworm*. Do not exceed 6 applications per season.

#### Ornamentals (including Roses, Flowers, Shrubs and Small Trees)

Contact insects directly whenever possible.

Controls (Kills): *aphid, bagworms, cabbage looper, cicadas, corn earworms, cutworm, exposed thrips, fall cankerworm, fall webworm, inchworms,*

*Japanese beetle (adults), leafhopper, leafminer, and omnivorous leafroller, mealybugs, spider mites, stinkbugs, adult strawberry root weevil, adult obscure root weevil, thrips and whitefly on the following plants:*

African violets, Ageratum, Arizona Cypress, Aster, Azalea, Begonia, Camellia, Carnation, Chrysanthemum, Coleus, Common Ninebark, Common Snowberry, Crassula, Dahlias, Delphinium, Dogwood, Exacum, Euonymus, English Ivy, Fuchsia, Geranium, Gladiolus, Gold Bells, Grape Vines (ornamental), Hypoestes, Ivy, Laurel, Lilac, Marigold, Mock Orange, Nannyberry, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Poinsettia, Rhododendron, Rose, Snapdragon, Stocks, Taxus, Wax Plant, Wandering Jew, Weeping Fig, Zinnia.

#### Fruit and Nut Trees

The number in parentheses ( ) following each crop grouping is the pre-harvest interval, e.g., the number of days that must be observed between application and harvest. Also includes relevant comment.

Apples (Do not apply after petal fall): To control *apple ahpid, green fruitworm, redbanded leafroller, plum curculio, spotted tentiform leafminer, tarnished plant bug, white apple leafroller*. Do not exceed 1 application per season.

Cherries (In the East, do not exceed 4 applications after petal fall): To control *green fruitworm, lesser peachtree borer, plum curculio, redbanded leafroller, rose chafer, tarnished plant bug*. Do not exceed 6 applications per season.

Cherries (In the West, do not exceed 3 applications after petal fall): To control *green fruitworm, lesser peachtree borer, plum curculio, redbanded leafroller, rose chafer, tarnished plant bug*. Do not exceed 4 applications per season.

Peaches (14): To control *green fruitworm, lesser peach tree borer, oriental fruit moth, peach twig borer, plum curculio, rose chafer, tarnished plant bug*. Dust lightly. Apply up to 5 times per season.

Pears – Dormant (May be applied dormant through the delayed dormant growth periods only): To control *pear psylla*. Do not exceed 2 applications per season.

Pears – Pre-bloom (May be applied from dormant through bud burst): To control *codling moth, green fruitworm, and pear psylla*. Do not exceed 2 applications per season.

Walnuts (1): To control *codling moth, navel orangeworm, and walnut husk fly*. Do not exceed 8 applications per season.

**BEEF AND DAIRY CATTLE AND HORSES**

Can be used in dust bags, [this] shaker can and mechanical dust applicator. *Horn Flies, Lice, Face Flies*: Place contents of this package in any commercially available dust bag, suspend bag in areas frequented by cattle or in gateways or lanes through which the animals must pass daily for water, feed or minerals. Bags may also be placed in loafing sheds or in front of mineral feeders. For dairy cows, bags may be suspended in the exit through which the cows leave the milking barn. The bags should hang 4 to 6 inches below the back line of the cattle. For reduction of *Face Flies*, bags must be located so animals will be forced to use them daily and hung at a height so that the face is dusted.

*Horn Flies, Lice* - Direct Application: Apply 2 oz. of dust per animal by [this] shaker can or dust glove over the head, neck, shoulders, back and legs.

**SWINE**

*Lice* on Swine Direct Application: Apply only 1 ounce per head as a uniform coat to the head, shoulder and back by use of a [this] shaker can or suitable mechanical dust applicator. Do not apply more often than once every 10 days. In severe infestation, both animals and the bedding may be treated. Do not ship animals for slaughter within 5 days of treatment.

**POULTRY**

To control *Northern Fowl Mites*, apply at a rate of 1 lb. per 100 birds. Ensure thorough treatment of vent area.

**PETS**

**USE ONLY ON DOGS OR CATS:** Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing, or medicated animals.

To [control] [kill] *fleas, ticks and lice*: Use product only outside or in a well-ventilated area. Wearing household latex or rubber gloves, dust entire animal avoiding pet's eyes, nose, mouth and genital areas. Rub or brush pet's hair to work dust down to the skin paying close attention to legs and feet. Use 1/2 oz. on pets 20 pounds and under and 1 oz. on pets over 20 pounds. Reapply every two weeks. This product should not be applied by children. Do not use on puppies or kittens under 12 weeks of age. Dust pet bedding and doghouse using a [this] shaker can or other dust applicator.

**ANTS:**

To control ants, carpenter ants: Treat doors, around window frames, ant trails and hills, cracks and crevices and other areas of entry.

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**STORAGE AND DISPOSAL**

**STORAGE:** Store in a cool, dry place. Keep container closed.

**DISPOSAL:**

**If Empty:** Do not reuse this container. Place in trash or offer for recycling if available.

**If Partly Filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

Never place unused product down any indoor or outdoor drain.

**NOTICE**

It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Chem-Tech, Ltd, the manufacturer or seller. In no case shall Chem-Tech, Ltd, the manufacturer or seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Except as expressly provided herein, Chem-Tech, Ltd, the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise with regard to the product sold, including, but not limited to, merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. Buyer's or user's exclusive remedy, and Chem-Tech, Ltd's, the manufacturer's or seller's total liability, shall be for damages not exceeding the cost of the product.

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