



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 9, 2015

Mr. F. Russel Cook  
Agent for H. Wilson Manufacturing Co., Inc.  
c/o F. Russel Cook Associates  
601 Denver Place  
Bartlesville, OK 74003

**Subject: Acceptance of Amended Reregistration Label**  
**Product Name: BEAR-CAT RH 13 EC**  
**EPA Registration Number: 34052-18**  
**EPA Decision Number(s): 413473**  
**Your E-Resubmissions Dated February 12, 2015, February 18, 2015 & March 8, 2015**

Dear Mr. Cook:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the referenced product in connection with the **RED for Permethrin**, and has concluded that your submission is acceptable.

**PLEASE NOTE:** This product is **not** being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg), and its implementing regulation at 40 CFR 152.3.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions about this letter, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov) or Mr. Richard J. Gebken at (703) 305-6701 or via e-mail at [Gebken.Richard@epa.gov](mailto:Gebken.Richard@epa.gov) during the hours of 9:00 A.M. to 5:30 P.M. EST.

Sincerely,

A handwritten signature in black ink, appearing to read "Gebken".

Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Office of Pesticide Programs

(Reviewer: please note that this label is for informational purposes only. Print and layout are not to scale. Please refer to notes for actual label type size.)

(Note to reviewer: Center Panel)

# BEAR-CAT RH 13 EC

(Note to reviewer: following text will be 6 point)

**For Commercial/Agricultural/Industrial Use Only**

**An Insecticide Offering Residual Kill of Crawling Insects for Up to 4 Weeks. A Long Lasting Livestock, Premise and Pet Spray that Provides Knock-down and Broad Spectrum Insecticidal Effectiveness.**

**RESTRICTED USE PESTICIDE**  
DUE TO PRIMARY EYE IRRITATION CATEGORY I  
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

**ACCEPTED**  
**03/09/2015**  
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 34052-18

Do Not Use On or Around Electrical Equipment.

ACTIVE INGREDIENT:	
*Permethrin (3-phenoxyphenyl)methyl (+/-) Cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane-carboxylate.....	13.30%
OTHER INGREDIENTS**.....	86.70%
TOTAL .....	100.00%
*Cis/trans isomers ratio: min.35% (+/-) cis max. 65% (+/-) trans.	
**Contains Petroleum Distillates	

Not For Use in USDA Meat and Poultry Plants

(Note to reviewer: Front panel will be more than 30 square inches in area. "KEEP OUT OF REACH OF CHILDREN" will be 18 point type. "WARNING - AVISO" will be 12 point type.)

## KEEP OUT OF REACH OF CHILDREN

### DANGER - PELIGRO

PRECAUCION AL CONSUMADOR: Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (TO THE USER: If you do not understand the label, find someone to explain it to you in detail.)

**SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.**

### FIRST AID

<b>IF IN EYES</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes.</li><li>• Call a poison control center or doctor for treatment advice. Immediately call a poison control center or doctor.</li></ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment</li></ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or a doctor.</li><li>• Do not induce vomiting unless told to do so by a poison control center or a doctor.</li><li>• Do not give <b>any</b> liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"><li>• .Take off contaminated clothing</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information about this pesticide product (including health concerns, medical emergencies, or pesticide incidents), you may call the National Pesticide Information Center at 1-800-858-7378, twenty-four (24) hours per day, seven (7) days per week.

NOTE TO PHYSICIAN: This product contains a pyrethroid and a petroleum distillate. Contains petroleum distillate-vomiting may cause aspiration pneumonia. The product is caustic and probable mucosal damage may contraindicate gastric lavage. Do not administer whole milk, cream, or other substances containing vegetable or animal fats which enhance absorption of lipophilic substances.

#### Net Contents:

EPA Registration No. 34052-18  
EPA Est. No. 34052-GA-1

Manufactured by:  
H. Wilson Manufacturing Co., Inc.  
Jefferson, GA 30542

(Note to reviewer: The following text will be on side panels. Type size will be 6 point.)

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

**Contains petroleum distillates:** Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing before reuse. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear Personal Protective Equipment. (See below)

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 foods may be prepared or held. In the home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment. Exposed food should be covered or removed. Nonfood/feed 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).

**Personal Protective Equipment** (Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart).

Mixer/loader, applicators and other handlers must wear:

- Long sleeve shirt, long pants, shoes, socks
- Chemical resistant gloves such as barrier laminate of Viton<sup>®</sup>
- A respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R,P, or HE prefilter
- Protective eyewear (goggles or faceshield)
- A chemical resistant apron when mixing/loading or cleaning equipment
- Chemical resistant headgear for overhead exposure

**User Safety Requirements:**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**User Safety Recommendations:**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters

Under some conditions, it may also have a potential for transport into surface water in runoff (primarily adsorbed to suspended soil particles), for several months or more after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlying extremely shallow ground water, areas with in-field canals or ditches that drain to surface waters.

This pesticide 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

#### **PHYSICAL AND CHEMICAL HAZARDS**

##### **COMBUSTIBLE**

Do not use or store the product near heat or open flame. Flash point minimum of 112° F (44°C). **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.**

**USE RESTRICTIONS: Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application. Do not breathe dusts, vapors, or spray mist. Not for broadcast use on indoor residential surfaces. Do not allow others to enter until sprays have dried. Except when applying to livestock and pets, do not enter or allow others to enter until vapors, mists, and aerosols have dispersed and the treated area has been well ventilated.**

**For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.**

**Do not apply this product in patient rooms or in any room occupied by the elderly or infirmed. Do not apply to classrooms when in use. Do not apply to institutions (including libraries, sports facilities, etc.) in the immediate area when occupants are present. 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 room, but excluding areas where foods may be prepared or held. In the home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment. Do not apply when food is present. Exposed food should be covered or removed. Except when applying to livestock and pets, do not enter or allow others to enter until vapors, mists, and aerosols have dispersed and the treated area has been thoroughly ventilated. Remove or cover fish bowls before application.**

**Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.**

**When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking**

**Do not apply as a broadcast or spot-treatment to indoor surfaces at residential sites, including nurseries, day care centers, schools, hospitals and nursing homes. Do not water the treated area to the point of run-off. Do not make applications during rain.**

All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses, if permitted elsewhere on this label:

- (1) Applications to soil or vegetation, as listed on this label, around structures;
- (2) Applications to lawns, turf, and other vegetation as listed on this label.
- (3) Applications to the side of a building, up to a maximum height of 3 feet above grade;
- (4) Applications to underside of eaves, soffits, doors, or widows permanently protected from rainfall by a covering, overhang, awning, or other structure;
- (5) Applications around potential pest entry points into building, when limited to a surface band not to exceed one inch in width;
- (6) Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch, or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition, that could result in runoff into storm drains, drainage, ditches, gutters or surface waters, in order to control occasional invaders or aggregating pests.

Do not apply to horizontal impervious surfaces such as sidewalks, driveways, and patios, except as spot and crack-and-crevice treatment. Do not allow pesticide to enter or runoff into storm drains, drainage ditches, gutters or surface waters.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the Restricted Entry Interval (REI) of 24 hours. PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: chemical-resistant gloves, such as barrier laminate or Viton®, a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), and protective eyewear (goggles, face shield, or safety glasses).

**For Use in Non-Food Areas indoors and outside premises of Hotels, Motels, Homes, Preschools, Nurseries, Day Camps, Bathhouses, Seed Houses, Food Handling Establishments, Packaging and Processing Plants, Commercial, Industrial Office, Institutional and Storage Buildings, Dairies, Milk Storage Rooms, Egg Processing Plants, Supermarkets, Restaurants, Bottling Plants, Canneries, Flour and Feed Mills, Bakeries, Hospitals, Barns, Stables, Poultry Houses and Feed Lots. Nonfood/feed 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). IN PRESCHOOLS AND NURSERIES, Do Not Apply This Product in Classrooms When Occupied. IN HOSPITALS, Do Not Apply This Product in Patient Rooms Or in Any Room Occupied By The Elderly Or Infirm. Also for use in Campers, Mobile Homes, Buses, Automobiles, Trucks, and Boxcars. Also for use in Dog Kennels and Horse Stables. IN HORSE STABLES, not for application if horses are intended for human consumption.**

For contact and residual sprays, mix Bear-Cat RH 13 EC with water in the following manner:

FINISHED SPRAY	Bear-Cat RH 13 EC (fluid ounces)	Water
0.25%	2-2/3 (79 ml)	1 Gallon (3.79 L)
0.25%	2/3 (20 ml)	1 Quart (0.95 L)
0.50%	5-1/2 (163 ml)	1 Gallon (3.79 L)
0.50%	1-1/3 (39 ml)	1 Quart (0.95 L)

For heavy infestations, use the 0.50% dilution. For lighter infestations and for maintenance purposes, use the 0.25% dilution.

## PEST INDOORS

For residual and contact control of cockroaches (water bugs), crickets, silverfish (firebrats), clover mites, millipedes, centipedes, earwigs, sow bugs (pill bugs), spiders, brown dog ticks, lone star ticks, ants, fire ants, cloths moths, carpet beetles, fleas, box elder bugs, scorpions, spider beetles, bed bugs, grasshoppers, house flies, mosquitoes, gnats, fruit flies, cluster flies, flying moths, confused flour beetles, saw-toothed grain beetles, shiny spider beetles, grain mites, red flour beetles, Angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths: Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards and storage areas. Spray directly on insects where possible.

**Bedbugs:** Thoroughly inspect area of suspected bed bug infestation and note potential harborage sites or actual infestations. Remove and/or pick up clothing and other obstacles that may prevent thorough inspection of treatment. Remove and sanitize infested bedding (pillows and linens), clothing, or other items. Apply on mattresses as a spot treatment to mattress seams, edges, buttons and tufts of bed only. Do not use directly on pillows bed linens or clothes. Do not saturate the mattress and do not treat entire surface area of mattress. Allow mattress to dry thoroughly before replacing pillow and/or bed linens.

Bed bugs may also harbor in areas of the room away from the bed. Apply as a crack-and-crevice or spot application where evidence of bed bugs occurs. This includes bed frames, box springs, inside empty drawers and clothes closets, night stands and other furniture in the room, carpet edges, high and low wall moldings (such as floor molding or window casings), wall voids, behind wall hangings and mirrors, wall paper edges and popcorn ceilings. Remove all clothes and other articles from dressers and closets before application. Take bed apart. Treat joints and channels if hollow, such as square or round tubing and see that interior framework is treated. Allow all treated areas to dry thoroughly before use.

This product is not recommended for use as a sole protection against bed bugs. If evidence of bed bugs is found in/on mattresses, use this product as part of an integrated pest management program to control bed bugs.

For persistent infestations, consult professional applicator. Allow all treated articles to thoroughly dry before use.

**Grain Insects:** To control confused flour beetles, grain mites, red flour beetles, angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths, carpet beetles: Remove infested grain cereal or flour and destroy. Avoid contamination of other food and foodstuffs in the areas by removing before spraying. Spray directly on exposed and into cracks and crevices where grain insects may be hiding. In homes, dispose of all infested products. The shelves and drawers should be cleaned and thoroughly sprayed so as to contact all pests, and covered with shelf paper after allowing shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

**Spiders:** Spray directly on these pests and use repeated application to the webbing and all cracks and crevices which harbor spiders.

**Ants (including fire ants):** To kill ants, spray trails, nests and points of entry within buildings and homes. Spray directly on ants where possible. Repeat as necessary.

**Wasps, Hornets, Yellow Jackets, Bees:** Apply in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

**House flies, Mosquitoes, Cluster Flies, Fruit Flies, Flying Moths:** Close all doors and windows. Point sprayer upwards. Direct spray mist to all parts of the room, especially windows and other light sources which attract these insects. Fill the room with mist, and then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is completed.

**Carpet Beetles and Clothes Moths:** To treat carpets, hold sprayer 14-18 inches from carpet. Apply spray evenly, covering the entire surface until slightly moist. Spray underside of carpet when possible. Avoid wetting or soaking. To treat garments, blankets, carpets, and other fabrics before storage, dry clean or wash before treatment and after storage. Apply spray evenly, covering the material on both sides until slightly moist. For best results, place treated materials in plastic bags after drying, and store in a dark place. Also spray floor and baseboards, closets, cracks, crevices, infested areas of shelving and/or wherever these insects are seen or suspected.

## **PESTS OUTDOORS**

**Pests on outside surfaces of buildings:** Use this product to control ants, clover mites, crickets, earwigs, millipedes, and sowbugs (pillbugs) on the outside surfaces of buildings. 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 on outside surfaces of buildings, 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.

**House flies, Mosquitoes, Cluster Flies, Gnats, Flying Moths Outdoors:** For outdoor use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or whatever 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.

**Ants, Lone Star Ticks, Crickets, Fleas, and Earwigs Outdoors:** For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways. Repeat application as infestations warrant and as reinfestations occur.

**Wasps, Hornets, Yellow Jackets, Bees:** Apply in the late evening when insects are at rest. Aim spray at nest openings in ground, bushes, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

To control Fire Ants, dilute 2 tablespoons (30ml) of the product in 1 gallon (3.79L) of water. Apply 1 gallon (3.79L) of solution as a gentle rain to each Fire Ant mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 foot diameter. For best results apply in cool weather 65-80°F or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb mound prior to treatment. If possible treat all mounds in the vicinity, and treat all colonies which have not yet constructed a mound. Larger quantities of solution can be prepared for multiple mound treatments. Equipment to deliver the diluted product as gentle rain at the rate of 1 gallon (3.79L) per mound is still required. DO not use equipment that produces spray as pressurized sprays may disturb fire ants and cause migration, reducing product effectiveness. K



***Directions for use in outdoor residential misting systems (residential yards, playscapes):***

Use to control, or reduce populations of flying insects including: mosquitoes, flies, spiders, and other nuisance pests.

When using this product installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority(ies) where they are installed. If the system works on an automatic timer, set the timing for application when people, pets, and/or food are unlikely to be present.

Do not set nozzles to direct mist near outside air condition systems or other home air intakes.

Do not apply this pesticide when people, pets, and food are present.

Do not use in an evaporative cooling system.

Direct nozzles to spray towards the target area and away from swimming pools, water bodies, or eating and cooking areas.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds \_\_\_ parts Bear-Cat RH-13 EC to \_\_\_ parts water.

Mixing directions for systems that utilize a reservoir tank for the end dilution: Partially fill reservoir tank half full with water, add Bear-Cat RH-13 EC, then fill remainder of reservoir tank. Mix 32 ounces (0.25 gal.) Bear-Cat RH-13 EC to 55 gallons of water. It is recommended that system reservoir tank be shaded from direct sunlight and direct heat sources.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement:

This product may only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.25 grams ai per 1000 cubic feet per day or 0.0041 pounds Bear-Cat RH 13 EC (0.069 fluid ounces Bear-Cat RH 13 EC) per 1000 cubic feet per day.

System nozzles and pressure should be able to deliver a fine particle droplet size. (ULV, mist or aerosol)

If the system works on an automatic timer, set the timing for application when people, pets, and food are unlikely to be present.

If the system works when a person operates a remote activation device, then application of this pesticide when people, pets, and food are present is prohibited.

## **ANIMALS AND ANIMAL PREMISE USE**

**LIVE STOCK SPRAY:** Dairy and beef cattle, sheep, goats, swine, horses, and poultry. For swine, do not ship animals for slaughter within 5 days of last treatment.

To control horn flies, house flies, mosquitoes, and gnats, use the 0.50% dilution rate and apply to wet hair thoroughly, with particular attention to topline, underline, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.

To control stable flies, horse flies, and deer flies, use the 0.50% dilution rate and apply using a quart per adult animal to wet hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment as needed.

To Control Stable Flies, horse flies and deer flies: Use the 0.50% dilution rate and apply using a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment as needed.

To control face flies, use the 0.50% dilution rate and apply using spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1.5 oz. per animal. Repeat daily as needed.

To control lice (including poultry lice), northern fowl mites, and mange, using the 0.5% dilution rate, spray roosts, walls and nests or cages thoroughly. Follow up by spraying over birds with a fine mist.

For swine, thoroughly soak animal, including ears. Retreat at 14 days for mange. Treat walls and bedding.

To control bedbugs and mites in poultry houses, using the 0.5% dilution rate, spray crevices of roost poles, cracks in walls and cracks in nests where the pests hide.

To control sheep "lick" or ked, use the 0.5% dilution rate and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at the rate sufficient to wet the animal.

To control fleas on livestock and to obtain protection against reinfestation, use the 0.5% dilution rate and wet the animal by dipping or spraying.

**LIVESTOCK PREMISES:** Barns, milking parlors, milk rooms, dairies, poultry houses, swine and livestock housing.

To control flies, mosquitoes and gnats, use the 0.5% dilution rate and apply as a fog or fine mist, directing the spray toward the ceiling and upper corners until the area is filled with the mist, using about 2 ounces per 1000 cubic feet of space. For the best results, close doors and windows before spraying and keep them closed for 10 to 15 minutes. Vacate the treated area and ventilate before reoccupying. Repeat as necessary

**FOR USE THROUGH AUTOMATIC SPRAYING SYSTEMS IN ANIMAL QUARTERS, HORSE AND CATTLE BARNES, PENS, POULTRY HOUSES, DOG KENNELS:**

Automatic spraying systems must not be programmed to release pesticides where food or feed is directly exposed.

To kill houseflies, horn flies, stable flies, horse flies, mosquitoes and gnats:

Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained.

Do not apply when food, feed, or water is present.

Do not apply directly to animals.

When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s), or local authority(ies) where they are installed.

When applying via a remote activation device, do not apply when people and pets are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.

Direct nozzles to spray towards the target area and away from areas where people are typically present.

Do not use in an evaporative cooling system.

Do not use in misters located within 3 feet of air vents, air conditioner units or windows.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds 0.25 parts Bear-Cat RH-13 EC to 54.75 parts water.

Mixing directions for systems that utilize a reservoir tank for the end dilution: Partially fill reservoir tank half full with water, add Bear-Cat RH-13 EC, then fill remainder of reservoir tank. Mix 32 ounces (0.25 gal) Bear-Cat RH-13 EC to 55 gallons of water. It is recommended that system reservoir tank be shaded from direct sunlight and direct heat sources.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.25 grams ai per 1000 cubic feet per day or 0.0041 pounds Bear-Cat RH 13 EC (0.069 fluid ounces Bear-Cat RH 13 EC) per 1000 cubic feet per day.

System nozzles and pressure should be able to deliver a fine particle droplet size. (ULV, mist or aerosol)

#### PETS AND PET PREMISE USE

##### **DO NOT USE ON CATS**

##### **MAY BE FATAL**

Keep cats away from treated dogs for 24 hours. If applied to a cat, contact your Veterinarian immediately.

For initial clean up of severe insect infestation, use the 0.5% dilution rate. For normal infestations, dilute one (1) part concentrate in 116 parts water (1.1 fl oz. per gallon) to give 0.1% active permethrin.

**TO CONTROL fleas, ticks and lice on dogs (DO NOT USE ON CATS):** Spray animals along back, under forelegs and other areas, except scrotum, face and anus. Part hair to contact skin and insure good coverage. Hold sprayer about one foot away from animal while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes, mouth, or nose of animal. Allow animal to dry in a warm place without rinsing or toweling. Gives long lasting protection against reinfestation with applications at intervals of two to three weeks. Do not apply more than 1 time per day. **DO NOT TREAT PUPPIES LESS THAN FOUR WEEKS OLD.**

**TO CONTROL fleas, flies, ticks and lice in kennels, dog houses, runs and yards:** Thoroughly wet pest breeding or resting areas to run-off. Most efficient pest control is accomplished when heavy pressure and good contact is achieved. Timing and frequency of application should be based on pest population reaching nuisance levels, but accompanying manure removal and sanitation practices should precede sprays. Do not spray feed, food or water. Repeat as needed but not more often than once every two weeks.

**FOR USE WITH SHAMPOO TO CONTROL FLEAS, TICKS, AND SARCOPT MANGE MITES (adults & larvae):** Put 0.5% fl oz. (3 to 4 teaspoons full) of concentration into a gallon. Thoroughly soak animal with warm water taking 2 to 3 minutes to wet hair. Apply shampoo on head and ears then lather: repeat procedure with neck, chest, middle and hind quarters, finishing legs last. Let animal stand 3 to 5 minutes (this is an important part of the grooming procedure), then rinse animal thoroughly.

**Note: In extremely dirty or scaly animals, the above procedure may be repeated**

#### **PESTICIDE STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Do not store near heat or open flame. Store in original container in a cool, dry (preferably locked) area out of direct sunlight, in a place that is inaccessible from children and pets.

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved disposal facility.

**CONTAINER HANDLING:** *(For containers One Gallon and Under) Nonrefillable container: Do not reuse or refill this container. (For containers Over One Gallon) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times*

#### **WARRANTY STATEMENT**

**Our recommendations for the use of this product are based upon the tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such or in combination with other materials.**