

706-107

04/12/2006

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

EPA Reg. Number:  
706-107

Date of Issuance:  
APR 12 2006

NOTICE OF PESTICIDE  
Registration

(under FIFRA, as amended)

Term of Issuance:  
Conditional Registration

Name of Pesticide Product:  
Clair Bug Buster Insect Killer

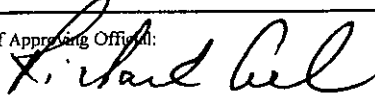
Name and Address of Registrant (include ZIP Code):  
Clair Manufacturing Company  
c/o RegWest Company, LLC  
30856 Rocky Road  
Greeley, CO 80631-9375

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 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 your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, EPA Reg. No. 706-107.
  - b. Page 1 of 4:
    - 1) Change the word "Pyrethrum" to "Pyrethrins" within the following sentence: "Contains the botanical insecticide, Pyrethrum [an extract of a Chrysanthemum flower]"
    - 2) Revise the following marketing claim as follows: "Kills [~~Controls~~] and Repels Stable Flies, Horse Flies, Face Flies, Deer Flies, House Flies, Mosquitoes and Gnats" The claims strikeout, are not supported with data.
    - 3) Revise the following marketing claim as follows: "[Kills [~~Controls~~] and Repels {select insects listed in the Directions for Use}]" The claims strikeout, are not supported with data.
    - 4) Revise the following marketing claim as follows: "~~Quick Killing~~ Pyrethrin ~~Controls~~ Crawling and Flying Insects in Dairies, Barns, Storage Sites and Other Listed Areas [~~Quick Killing~~ Pyrethrin ~~Controls~~ [Kills] (select from insects listed in the Directions for Use) in (select from use sites listed in the Directions for Use)]" The claims strikeout, are not supported with data.
    - 5) Revise the following marketing claim as follows: "For Use in Homes to ~~Control~~ [Kill] Bedbugs. Clothes Moths, Carpet Beetles, Cockroaches, Fleas, Ticks and Other Listed Pests [For

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use in Homes to ~~Control~~[Kill] (select from insects listed in the Directions for Use)] ” The claims  
strikeout, are not supported with data.

6) Within the ingredient statement revise the proportions for the footnote as follows:  
\*Equivalent to 2.00% (butylcarbityl)(6-propylpiperonyl) ether and .500% related compounds.

7) Revise the Hazards to Humans and Domestic Animals Section as follows:

“Hazards to Humans and Domestic Animals

CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with  
skin, eyes or clothing. Wash thoroughly with soap and water after handling and before  
eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shift and long pants,  
socks, shoes, and gloves. Remove and wash contaminated clothing before reuse. Avoid  
contact with eyes or clothing. Wear protective eyewear, Long-sleeved shirt and long  
pants, Socks, Shoes, and gloves.”

c. Page 2 3, and 4

1) In accordance with the Toxicology review dated January 26, 2004, the following First Aid  
Section must be added to the label as follows:

“If in Eyes:

- Hold eye open and rinse slowly and gently with water for 15 -20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call poison control center or doctor for treatment advice.”

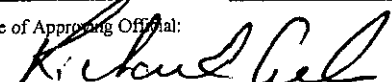
2) Revise the Environmental Hazards section to include the following statement: “This product  
is toxic to fish.”

3) Within the Directions for Use, revise the following marketing claims as follows by removing  
text that is struckout as and replacing as follows: “Claire Bug Buster Insect Killer [This product]  
contains the ~~quick-killing~~ a botanical insecticide, Pyrethrum Pyrethrins [an extract of a  
Chrysanthemum flower], that provides effective ~~control of insects upon direct contact, with the  
added benefit of flushing~~ [repelling] these insects to aid in more complete control (kill).

Use Claire Bug Buster Insect Killer [this product] in listed animal quarters. Claire Bug Buster  
Insect Killer [This product] provides ~~fast, effective control~~ [kill] and ~~repellency~~ of the listed pests.  
Also use Claire Bug Buster Insect Killer [this product] on listed livestock and horses for ~~quick  
control~~ [kill] of pests on these animals.

Use Claire Bug Buster Insect Killer [this product] in listed pet quarters. Claire Bug Buster Insect  
Killer [This product] provides ~~fast, effective control~~ (kill] and ~~repellency~~ of the listed pests.

Use Claire Bug Buster Insect Killer [this product] in restaurants and other listed areas to ~~control  
[kill]~~, on contact, listed crawling pests and as a ~~fast, effective~~ product for flying insect control.”  
Claire Bug Buster Insect Killer [This product] effectively controls exposed stages of stored

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product pests without persistent residue problems because it breaks down quickly on treated surfaces exposed to light. The last statement is an implied safety claim that is false and misleading as defined in 40 CFR 156.10.

4) Page 2, 3, and 4 The entire use instructions need to be revised to reflect correct placement of uses, and verbiage as follows:

**For use In:** Animal Holding Areas, Animal Quarters, Attics, Barns, Beef Barns, Bottling Plants, Buildings Housing Animals or Poultry, Calving Barns, Commercial Buildings, Crematoriums Dairy Barns Dairies, Dried Fruit Storage Areas, Dumpsters, Factories Farm Structures, Food Processing Plants, Food Storage Areas, Funeral Parlors, Garbage Cans, Goat Holding Areas, Grain Elevators, Grain Storage, Hog Barns, Homes, Horse Stables, Hotels, Industrial Plants, Institutions, Kennels Kitchens, Livestock Holding Areas, Loafing Sheds, Mausoleums. Milk Houses, Milk Rooms, Milk Sheds, Milking Rooms, Mortuaries Pet Sleeping Areas, Poultry Houses, Railroad Cars , Restaurants Rice Mills, Seed Storage, Sheep Holding Areas, Stables, Storage Areas [Sites], Stored Products Areas [Sites], Supermarkets, Swine Houses. Theaters Tobacco Warehouses, Trailers, Tree Nut Storage Areas, Trucks, Utility Rooms, Veterinary Clinics, Warehouses Washrooms and Wheat Mills, [Industrial] (Institutional)

**For use on:** Ant Hills and Trails, Livestock, Furniture, Carpets, Mattresses Pet Bedding and Indoor Structural Surfaces.

**INDOOR AGRICULTURAL USE:**

**Animal Quarters, Barns, Dairies, Milking Parlors, Milking Rooms, Poultry Houses and other listed animal areas:**

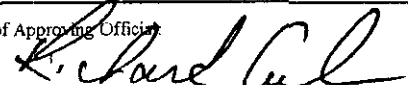
**Use restrictions:** Do not breathe dust, vapors, or spray mist. Remove or cover exposed food and water before application. When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking. Do not apply more than 1 time per day. Do not reapply within 1 day. Do not remain in treated area. Do not allow unprotected persons to enter until treated area has been thoroughly ventilated.

~~For rapid control~~ To (kill) of Flies, ~~Mosquitoes~~, Gnats, Stable Flies, House Flies, Horse Flies, Lesser House Flies, Deer Flies, Horn Flies and Black Flies: Spray at the rate of 5 to 10 seconds per 1000 Cubic feet of space, directing the spray toward the ceiling and upper corners of the room and not directly toward the animals or birds. For best results close doors and windows, if possible, before spraying and keep them closed for 10 to 15 minutes Vacate the treated area and ventilate prior to returning.

**For Use on Livestock:**

**Use restrictions:** Do not apply more than 1 time per day. Do not reapply within 1 day. Do not breathe dust, vapors, or spray mist. Do not allow dust or spray to contact unprotected persons. To protect treat beef cattle, dairy cattle, horses and other livestock from attacks and to kill and ~~repe~~Stable Flies, Horse Flies, Deer Flies, House Flies, Horn Flies, Lesser House Flies, ~~Mosquitoes~~ and Gnats, spray approximately 3 seconds on each side of animal, being careful to thoroughly spray back, withers and forelegs. To protect treat for ~~from~~Face Flies, spray the face and head or spray on a cloth and rub on the face, being certain to avoid contact with the eyes.

~~Repeat treatment as necessary when flies are troublesome.~~ For effective control of Biting and Sucking Lice on cattle, horses, sheep, goats and hogs, spray to thoroughly wet the hair of the

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animal including the head brush of the tail. Repeat treatment in 10 days to kill newly hatched lice. To kill ~~control~~ Poultry Lice and exposed stages of Darkling Beetles, thoroughly spray roosts, walls and nests or cages; then spray a fine mist over the birds. For kill ~~control of~~ exposed stages of Bedbugs and Mites on poultry and in poultry houses, spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide; then spray a fine mist over the birds. To kill exposed stages of ~~control~~ sheep "Tick" or Ked, thoroughly wet all portions of the body by spraying directly into the wool. Treat at a rate to sufficiently wet the animal. To kill Fleas and ~~Ixodid Ticks~~ on livestock and to obtain protection against reinfestation, spray sufficiently to wet the animal. Kills adult fleas on contact. Retreatment required for control of pests.

**For Use in Storage Sites:**

Use this product in/on warehouse bins, trucks, cargo ships, mills, bin hoppers, elevators and conveying equipment as a clean-up prior to using them for storage. In mills and elevators, remove all grain-infested accumulations from the bin hoppers. Thoroughly clean all storage and conveying equipment by sweeping out the waste grain, cobwebs and other debris from the walls, rafters, floors and door frames paying special attention to material lodged in the cracks and crevices. Remove and burn all of the debris to kill eggs and insects that may be present. For Farms, pay particular attention to cleaning up grain residues from wagons, harvesting equipment and feed troughs and around used feed and grain bags. Do not place newly harvested grain in the same bin with carry-over grain: fumigate all carry-over grain stocks that are not treated with grain protectant. Perform these cleaning operations within two or three weeks before harvest. After above sanitation measures have been employed, spray all areas as directed prior to use for storage.

**INDOOR USE**

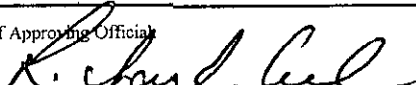
**FOOD PROCESSING/HANDLING**

**SPACE TREATMENT:**

*Use restrictions as a Space Spray:* Remove or cover exposed food and water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them thoroughly before use. Do not breathe dust, vapors, or spray mist. Do not apply more than 1 time per day. Do not reapply within 1 day. Do not allow spray to contact unprotected persons. Do not remain in treated area. Do not allow unprotected persons to enter until treated has been thoroughly ventilated. Do not make space spray applications when facility is in operation. During space spray applications, cover or remove food. During space spray applications, cover food processing surfaces or clean after treatment with a suitable detergent and rinse with potable water before use.

**For Use in Food and Nonfood Areas of Food Processing Plants, Industrial Installations, Bakeries, Rice and Wheat Mills, Restaurants, Tobacco Warehouses, Grain Elevators and Warehouses:**

To kill exposed adult Flies, Gnats, Mosquitoes, Flying Moths, Indian Meal Moths, Angoumois Grain Moths, Tobacco Moths, Clothes Moths, Chocolate Moths, Almond Moths, Miller Moths and other listed flying insects: Close all doors and windows, turn off fans and air conditioning units and spray upward into center of room using a slow sweeping motion. Spray 5 to 10 seconds for average size room [1000 cubic feet] [10 ft. x 12. ft. x 8 ft.]. Direct spray into all parts of the room, paying special attention to hiding places. Keep room closed for 15 minutes

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after spraying then ventilate room for 5 15 minutes before reentry, Sweep up and discard fallen insects. Spray as directed to control kill exposed stages of listed flying and crawling insects. Confine the use of this product in food processing or food handling establishments to time periods when the plant is not in operation. Cover or remove food during treatment. For maximum efficacy,

~~For use in Food Areas of Food Handling Establishments: When applying space treatments in food handling areas, the food handling operation must be shut down. In food processing areas, cover or remove all food-contact utensils, shelving, etc., before treatment or wash with an effective cleaning compound followed by a potable water rinse after application and before use.~~

Exposed Stages of Indian Meal Moths, Angoumois Grain Moths, Tobacco Moths, Chocolate Moths, Almond Moths, Millers and other flying moths: Direct spray into all parts of room, especially around stored food product containers, pallets and darkened areas. Fumigate or treat infested stored products with an EPA-registered product labeled for this use [such as (product brand name(s))].

**SURFACE SPRAY:**

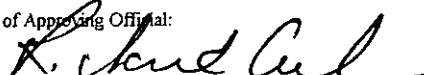
*Use restrictions as a surface spray all sites:* Remove or cover exposed food and water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them thoroughly before use. Do not breathe vapors, or spray mist. Do not apply more than 1 time per day. Do not reapply within 1 day. Do not allow spray to contact unprotected persons. Do not allow unprotected persons to enter treated area until spray has dried. Do not wet articles to point of runoff or drip. Do not use treated article until spray has dried. Remove pets, birds, and cover fish aquariums before spraying.

Contact as many insects as possible with this spray. Apply spray at the rate of 30 seconds for each 100 square feet of surface area. Keep area closed for 45 minutes after treatment then ventilate room for 20 minutes before reentry. Cockroaches [(Smoky Brown, Brown-Banded, Asian, German, American, Australian, Oriental, Waterbugs, Palmetto Bugs), Crickets, Firebrats, Silverfish, Booklice, Scorpions, Spiders, Centipedes, Sowbugs, Pillbugs, Earwigs, Clover Mites, Lice and Millipedes: Thoroughly spray all parts of the room suspected of harboring these pests. Pay special attention to hiding places such as cracks and crevices; behind and beneath sinks, stoves, refrigerators; around drains, pipes, plumbing, garbage cans; in cabinets, storage and other utility installation areas; along baseboards, door sills, frames and floors; behind bookcases; contacting insects with spray whenever possible.

Exposed Stages of Flour Beetles, Cadelles, Rice Weevils, Flat Grain Beetles, Cigarette Beetles, Confused Flour Beetles, Drugstore Beetles, Lesser Grain Borers, Merchant Grain Beetles, Sawtoothed Grain Beetles, Grain Weevils, Warehouse Beetles, Red Flour Beetles, Grain Mites, Cheese Mites, Flour Beetles and Indian Mealworms: Find and destroy infested package goods [sacks] [boxes] [cartons] [containers]. Remove all other items from shelves and drawers and thoroughly clean. Spray into cracks, crevices, shelves, drawers, cabinets, processing and handling equipment, around cartons or containers and other areas where these insects tend to congregate.

**Residential Use:**

*Use Restrictions:* Remove pets, birds, and cover fish aquariums before spraying.

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*Carpet Beetles (Dermestids (Trogoderma))*: Directly spray as many insects as possible. Spray both interior and exterior of furniture. Thoroughly spray both top and bottom of rugs and carpets, where possible. Also treat shelves, closets, areas under furniture, floors, walls, baseboards and wherever these insects are seen or suspected. *Clothes Moths and Other Flying Moths*: Remove any infested articles from storage, thoroughly brush, then air for several hours in sunlight, if possible. Liberally apply product to empty chests, closets, bureaus and other storage areas directing the spray into cracks, joints and crevices. Return clean articles after spray has thoroughly dried.

*Bedbugs*: Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. Allow treated fabric to thoroughly dry before using.

**OUTDOOR USE:**

**Space Treatment:**

*To Kill Adult Mosquitoes, Gnats, Midges, Flies and Flying Insects (except mosquitoes) Control:*  
*Use Restrictions:* Remove or cover exposed food and drinking water before application. Do not apply more than 1 time per day. Do not reapply within 1 day. Do not allow spray to contact unprotected persons. Do not wet articles to point of runoff or drip. Do not breathe dust, vapors, or spray mist.

Use prior to outdoor activities to reduce annoyance from these and other flying pests. Spray around patios, porches, gazebos, shrubbery, vegetation and other listed areas where mosquitoes and flying insects may rest. For best results treat when the wind velocity does not exceed 5 miles per hour.

**Surface Treatment:**

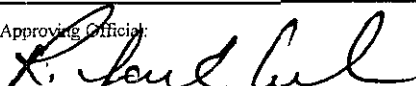
*Use Restrictions:* Do not apply more than 1 time per day. Do not reapply within 1 day. Do not allow spray to contact unprotected persons. Do not use treated article until spray has dried. Do not breathe dust, vapors, or spray mist. Do not allow unprotected persons to enter treated area until spray has dried.

*To kill Ants, Foraging Fire Ants, Pharaoh Ants and Carpenter Ants [Eastern] [Western]:* Treat ant trails and hills, doors and around window frames and other areas of entry. Spray on ants whenever possible.

**For Use on Pet Areas (Except Fish Ponds, aquariums) Indoors and Outdoors:**

*Use Restrictions:* Do not apply when other persons are present. Do not apply when pets are present. Remove or cover exposed food and water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them thoroughly before use. Do not breathe dust, vapors, or spray mist. Do not allow adults, children, or pets to enter treated area until spray has dried. Do not wet articles to point of runoff or drip. Do not use treated article until spray has dried. Do not allow pets to contact treated bedding until spray has dried.

Remove and either launder or destroy pet's old bedding. To reduce infestation, thoroughly spray until slightly moist, the animal's clean bedding, sleeping quarters, kennel, around baseboards, window and doorframes, wall cracks, local areas of floors and other resting places. Kills adult fleas on contact. Retreatment required for control of pests. Treat these areas at the rate of two [2] seconds per linear foot at a distance of 12 to 18 inches. Also spray the entire inside surface of doghouses. Put fresh bedding in pet's quarters after spray has dried. Allow treated areas to thoroughly dry before allowing pets reenter. For best results, treat pets with an

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EPA-registered flea and tick control product labeled for use on pets before they return to the treated area. Do not treat pets with this product. ”

- d. Page 4 Storage and Disposal: This section is acceptable as shown on the draft label.
3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.


A conditionally stamped copy of the label is enclosed for your records. If you have any questions, you may contact Pat Quarles (Review Manager) at 703-305-6976.

Sincerely,



Richard Gebken  
Product Manager 10  
Insecticide Branch  
Registration Division (7505C)

enclosures  
Efficacy review,  
Toxicology Review,  
Product Chemistry Review,  
conditionally stamped approved label.

Signature of Approving Official: 	Date:
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# Claire® Bug Buster Insect Killer

Contains the botanical insecticide, Pyrethrum [an extract of a Chrysanthemum flower]

Kills [Controls] and Repels Stable Flies, Horse Flies, Face Flies, Deer Flies, House Flies, Mosquitoes and Gnats  
[Kills [Controls] and Repels {select insects listed in the Directions for Use}]

For use in Animal Quarters, Dairies, Milk Rooms, Milking Parlors, Calving Areas,  
Dairy and Hog Barns and Outdoor Areas  
[For use in {select from use sites listed in the Directions for Use}]

For use on Beef Cattle, Dairy Cattle, Horses, Hogs, Chickens and Other Livestock  
[For use on {selected from use sites listed in the Directions for Use}]

Quick Killing Pyrethrin Controls Crawling and Flying Insects in Dairies, Barns, Storage Sites and Other Listed Areas  
[Quick Killing Pyrethrin Controls [Kills] {select from insects listed in the Directions for Use} in {select from use sites listed in  
the Directions for Use}]

For Use in Homes to Control [Kill] Bedbugs, Clothes Moths, Carpet Beetles,  
Cockroaches, Fleas, Ticks and Other Listed Pests  
[For use in Homes to Control [Kill] {select from insects listed in the Directions for Use}]

Cherry Blossom {or other descriptive term} Fragrance  
[Pleasant Fragrance] [Pleasantly Scented]

**Active Ingredients:**

Pyrethrins .....	0.25%
*Piperonyl butoxide, Technical .....	2.50%
<b>Other Ingredients</b> .....	<u>97.25%</u>
Total .....	100.00%

\*Equivalent to 4.00% (butylcarbityl)(6-propylpiperonyl) ether and 1.00% related compounds.

EPA Reg. No. 706-RNT

EPA Est. 706-IL-1

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

APR 12 2006  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.

706-107

**Keep Out of Reach of Children  
CAUTION**

See side panel for additional precautionary statements.

Net Wt. \_\_\_\_ oz. / \_\_\_\_ grams

*{Side Panel}*

**PRECAUTIONARY STATEMENTS  
Hazards to Humans & Domestic Animals  
CAUTION**

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Thoroughly wash with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Avoid contamination of food or feedstuffs.



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**First Aid**

<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Immediately rinse skin with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact -1800-228-5635 for emergency medical treatment information.

{Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}

**Environmental Hazards**

For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

**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.

**Before Use, Completely Read All Directions.**

For most effective results, follow directions for specific use areas.

**Shake Before Use and at Intervals During Prolonged Use.**

Hold container upright with nozzle pointing away from face. Press valve down and spray as directed.

*Claire Bug Buster Insect Killer* [This product] contains the quick-killing botanical insecticide, Pyrethrum [an extract of a Chrysanthemum flower], that provides effective control of insects upon direct contact, with the added benefit of flushing [repelling] these insects to aid in more complete control [kill].

Use *Claire Bug Buster Insect Killer* [this product] in listed animal quarters. *Claire Bug Buster Insect Killer* [This product] provides fast, effective control [kill] and repellency of the listed pests. Also use *Claire Bug Buster Insect Killer* [this product] on listed livestock and horses for quick control [kill] of pests on these animals.

Use *Claire Bug Buster Insect Killer* [this product] in listed pet quarters. *Claire Bug Buster Insect Killer* [This product] provides fast, effective control [kill] and repellency of the listed pests.

Use *Claire Bug Buster Insect Killer* [this product] in restaurants and other listed areas to control [kill], on contact, listed crawling pests and as a fast, effective product for flying insect control. *Claire Bug Buster Insect Killer* [This product] effectively controls exposed stages of stored product pests without persistent residue problems because it breaks down quickly on treated surfaces exposed to light.

**For use in:** Animal Holding Areas, Animal Quarters, Attics, Barns, Beef Barns, Bottling Plants, Buildings Housing Animals or Poultry, Calving Barns, Commercial Buildings, Crematoriums, Dairy Barns, Dairies, Dried Fruit Storage Areas, Dumpsters, Factories, Farm Structures, Food Processing Plants, Food Storage Areas, Funeral Parlors, Garbage Cans, Goat Holding Areas, Grain Elevators, Grain Storage, Hog Barns, Homes, Horse Stables, Hotels, Industrial Plants, Institutions, Kennels, Kitchens, Livestock Holding Areas, Loafing Sheds, Mausoleums, Milk Houses, Milk Rooms, Milk Sheds, Milking Rooms, Mortuaries, Pet Sleeping Areas, Poultry Houses, Railroad Cars, Restaurants, Rice Mills, Seed Storage, Sheep Holding Areas, Stables, Storage Areas [Sites], Stored Products Areas [Sites], Supermarkets, Swine Houses, Theaters, Tobacco Warehouses, Trailers, Tree Nut Storage Areas, Trucks, Utility Rooms, Veterinary Clinics, Warehouses, Washrooms and Wheat Mills. [Industrial] [Institutional]

**For use on:** Ant Hills and Trails, Livestock, Furniture, Carpets, Mattresses, Pet Bedding and Indoor Structural Surfaces.

**For Use in Animal Quarters, Barns, Dairies, Milking Parlors, Milking Rooms, Poultry Houses and other listed animal areas:** For rapid control [kill] of Flies, Mosquitoes, Gnats, Stable Flies, House Flies, Horse Flies, Lesser House Flies, Deer Flies, Horn Flies and Black Flies: Spray at the rate of 5 to 10 seconds per 1000 cubic feet of space, directing the spray toward the ceiling and upper corners of the room and not directly toward the animals or birds. For best results close doors and windows, if possible, before spraying and keep them closed for 10 to 15 minutes. Vacate the treated area and ventilate prior to returning.

**For Use on Livestock:**

**To protect beef cattle, dairy cattle, horses and other livestock** from attacks and to kill and repel Stable Flies, Horse Flies, Deer Flies, House Flies, Horn Flies, Lesser House Flies, Mosquitoes and Gnats, spray approximately 3 seconds on each side of animal, being careful to thoroughly spray back, withers and forelegs.

**To protect from Face Flies**, spray the face and head or spray on a cloth and rub on the face, being certain to avoid contact with the eyes. Repeat treatment as necessary when flies are troublesome.

**For effective control of Biting and Sucking Lice** on cattle, horses, sheep, goats and hogs, spray to thoroughly wet the hair of the animal including the head brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

**To control Poultry Lice and exposed stages of Darkling Beetles**, thoroughly spray roosts, walls and nests or cages; then spray a fine mist over the birds.

**For control of Bedbugs and Mites on poultry and in poultry houses**, spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide; then spray a fine mist over the birds.

**To control sheep "Tick" or Ked**, thoroughly wet all portions of the body by spraying directly into the wool. Treat at a rate to sufficiently wet the animal.

**To kill Fleas and Ixodid Ticks** on livestock and to obtain protection against reinfestation, spray sufficiently to wet the animal.

**Indoor Space Treatment:**

**For Use in Food and Nonfood Areas of Food Processing Plants, Industrial Installations, Bakeries, Rice and Wheat Mills, Restaurants, Tobacco Warehouses, Grain Elevators and Warehouses:** Spray as directed to control listed flying and crawling insects. Confine the use of this product in food processing or food handling establishments to time periods when the plant is not in operation. Cover or remove food during treatment. For maximum efficacy, close all doors and windows, turn off fans and air conditioning units and spray upward into center of room using a slow sweeping motion. Spray 5 to 10 seconds for average size room [1000 cubic feet] [10 ft. x 12. ft. x 8 ft.]. Keep room closed for 15 minutes after spraying then ventilate room for 5 minutes before reentry.

**For use in Food Areas of Food Handling Establishments:** When applying space treatments in food handling areas, the food handling operation must be shut down. In food processing areas, cover or remove all food-contact utensils, shelving, etc., before treatment or wash with an effective cleaning compound followed by a potable water rinse after application and before use.

**Flies, Gnats, Mosquitoes, Flying Moths, exposed stages of Indian Meal Moths, Angoumois Grain Moths, Tobacco Moths, Clothes Moths, Chocolate Moths, Almond Moths, Miller Moths and other listed flying insects:** Direct spray into all parts of the room, paying special attention to hiding places. Sweep up and discard fallen insects.

**Outdoor Space Treatment:**

**Adult Mosquitoes, Gnats, Midges, Flies and Flying Insects Control:** Use prior to outdoor activities to reduce annoyance from these and other flying pests. Spray around patios, porches, gazebos, shrubbery, vegetation and any other listed areas where mosquitoes and flying insects may rest. For best results treat when the wind velocity does not exceed 5 miles per hour.

**Exposed Stages of Indian Meal Moths, Angoumois Grain Moths, Tobacco Moths, Chocolate Moths, Almond Moths, Millers and other flying moths:** Direct spray into all parts of room, especially around stored food product containers, pallets and darkened areas. Fumigate or treat infested stored products with an EPA-registered product labeled for this use [such as {product brand name(s)}].

**Indoor Surface Treatment:**

Contact as many insects as possible with this spray. Apply spray at the rate of 30 seconds for each 100 square feet of surface area. Keep area closed for 45 minutes after treatment then ventilate room for 20 minutes before reentry.

**Cockroaches [(Smoky Brown, Brown-Banded, Asian, German, American, Australian, Oriental, Waterbugs, Palmetto Bugs), Crickets, Firebrats, Silverfish, Booklice, Scorpions, Spiders, Centipedes, Sowbugs, Pillbugs, Earwigs, Clover Mites, Lice and Millipedes]:** Thoroughly spray all parts of the room suspected of harboring these pests. Pay special attention to hiding places such as cracks and crevices; behind and beneath sinks, stoves, refrigerators; around drains, pipes, plumbing, garbage cans; in cabinets, storage and other utility installation areas; along baseboards, door sills, frames and floors; behind bookcases; contacting insects with spray whenever possible.

**Exposed Stages of Flour Beetles, Cadelles, Rice Weevils, Flat Grain Beetles, Cigarette Beetles, Confused Flour Beetles, Drugstore Beetles, Lesser Grain Borers, Merchant Grain Beetles, Sawtoothed Grain Beetles, Grain Weevils, Warehouse Beetles, Red Flour Beetles, Grain Mites, Cheese Mites, Flour Beetles and Indian Mealworms:** Find and destroy infested package goods [sacks] [boxes] [cartons] [containers]. Remove all other items from shelves and drawers and thoroughly clean. Spray into cracks, crevices, shelves, drawers, cabinets, processing and handling equipment, around cartons or containers and other areas where these insects tend to congregate.

**For Use in Storage Sites:** Use this product in/on warehouse bins, trucks, cargo ships, mills, bin hoppers, elevators and conveying equipment as a clean-up prior to using them for storage. In mills and elevators, remove all grain-infested accumulations from the bin hoppers. Thoroughly clean all storage and conveying equipment by sweeping out the waste grain, cobwebs and other debris from the walls, rafters, floors and door frames paying special attention to material lodged in the cracks and crevices. Remove and burn all of the debris to kill eggs and insects that may be present.

**For Farms,** pay particular attention to cleaning up grain residues from wagons, harvesting equipment and feed troughs and around used feed and grain bags. Do not place newly harvested grain in the same bin with carry-over grain; fumigate all carry-over grain stocks that are not treated with grain protectant. Perform these cleaning operations within two or three weeks before harvest.

After above sanitation measures have been employed, spray all areas as directed prior to use for storage.

**Ants, Foraging Fire Ants, Pharaoh Ants and Carpenter Ants [Eastern] [Western]:** Treat ant trails and hills, doors and around window frames and other areas of entry. Spray on ants whenever possible.

**Carpet Beetles [Dermestids (*Trogoderma*):** Directly spray as many insects as possible. Spray both interior and exterior of furniture. Thoroughly spray both top and bottom of rugs and carpets, where possible. Also treat shelves, closets, areas under furniture, floors, walls, baseboards and wherever these insects are seen or suspected.

**Clothes Moths and Other Flying Moths:** Remove any infested articles from storage, thoroughly brush, then air for several hours in sunlight, if possible. Liberally apply product to empty chests, closets, bureaus and other storage areas directing the spray into cracks, joints and crevices. Return clean articles after spray has thoroughly dried.

**Bedbugs:** Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. Allow treated fabric to thoroughly dry before using.

**Fleas and Ticks: For Use in Listed Pet Areas:** Remove and either launder or destroy pet's old bedding. To reduce infestation, thoroughly spray until slightly moist, the animal's clean bedding, sleeping quarters, kennel, around baseboards, window and doorframes, wall cracks, local areas of floors and other resting places. Treat these areas at the rate of two [2] seconds per linear foot at a distance of 12 to 18 inches. Also spray the entire inside surface of doghouses. Put fresh bedding in pet's quarters after spray has dried. Allow treated areas to thoroughly dry before allowing pets to reenter. For best results, treat pets with an EPA-registered flea and tick control product labeled for use on pets before they return to the treated area. **Do not treat pets with this product.**

### Storage and Disposal

**Storage:** Store in a cool, dry place away from heat or open flame. **Disposal:** Do not puncture or incinerate! **If empty:** 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.

24-Hour Medical Emergency 1-800-228-5635

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