

PM03

67503-2

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FEB -5 1998

Mr. Michael A. Jackson  
Brazos Associates, Inc.  
P.O. Box 703524  
Dallas, Texas 75370-3524

Dear Mr. Jackson:

Subject: Amendment- change in signal word and precautionary language  
Medachieve Multi-Purpose 10% E.C.  
EPA Registration Number 67503-2  
Your submission dated September 15, 1997

This amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable, provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Under Directions For Use change "USDA" to "Federally Inspected".
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.

Sincerely,

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

Enclosure

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[FRONT PANEL]

# MEDACHIEVE MULTI-PURPOSE 10% E.C.

For Commercial Use Only

- Broad Spectrum Multi-Use Insecticide
- Quick Knockdown
- For Use in Homes, Kennels, and Non-Food/Feed Areas of Commercial Buildings, Institutions, Warehouses, Theaters, Office Buildings, Schools, Motels, Hotels, Restaurants and Food/Feed Processing Establishments.
- Controls Fleas and Ticks on Premises
- Effectively Controls Dust Mites, Bed Bugs, Cockroaches, Carpet Beetles and Other Listed Insects.

### ACTIVE INGREDIENT:

\*Permethrin: (3-phenoxyphenyl) methyl ( $\pm$ ) cis trans 3-(2,2-dichloroethenyl) 2,2-dimethyl cyclopropanecarboxylate ..... 10.0%

†INERT INGREDIENTS: ..... 90.0%

**TOTAL: 100.0%**

\*Cis/trans ratio: Max. 65% ( $\pm$ ) trans and min. 35% ( $\pm$ ) cis.

†Contains Petroleum Distillate.

## KEEP OUT OF REACH OF CHILDREN

## WARNING

### SEE SIDE (OR BACK) PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS \_\_\_\_\_

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

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

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[SIDE/BACK PANEL]

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

Harmful if inhaled. Causes moderate eye injury and skin irritation. Do not get on skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing vapor or spray mist and contact with eyes. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

When mixing or applying, wear long-sleeved shirt, long pants, socks, shoes and chemical resistant gloves. As a surface spray or surface injection, wear protective eyewear. When applying indoors as a space spray or fog, wear full-faced gas mask with canister type recommended for general insecticide protection. Remove pets, birds and cover fish aquaria before spraying. Applicators or individuals involved in the preparation of treatment solutions should use caution if they have a known sensitivity to pyrethroids, chrysanthemums or cross-reactive compounds.

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink promptly a large quantity of skimmed milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Do not induce vomiting unless under a physician's care. This product contains petroleum distillate. Vomiting may cause aspiration pneumonia.

**IF INHALED:** Remove person to fresh air. Apply artificial respiration if indicated. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

**NOTE TO PHYSICIAN:** Do not administer or instill milk, cream or other substances containing vegetable or animal fats which enhance absorption of lipophilic substances.

**ENVIRONMENTAL HAZARDS**

This product is highly toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

**PHYSICAL & CHEMICAL HAZARDS**

Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**STORAGE & DISPOSAL**

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

**Pesticide Storage and Spill Procedures:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

**Pesticide Disposal:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of in a sanitary landfill, or by other approved State and local procedures.

**Container Disposal:** For containers one gallon and smaller - Do not reuse container. Wrap container in several layers of newspaper and discard in trash. For containers larger

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than one gallon - *Metal Containers*: Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. *Plastic Containers*: Triple rinse or equivalent, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. *Glass Containers*: Triple rinse or equivalent, then dispose of in a sanitary landfill or by other approved State and local procedures.

**DIRECTIONS FOR USE**

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

To prepare dilutions, the concentrate should first be stirred or agitated well. Add the required amount of concentrate to water or oil as directed, and blend thoroughly. Do not hold dilutions for more than 24 hour.

For maximum effectiveness, a combination of localized application and space treatment is recommended. Remove pets, birds and cover fish aquaria before spraying.

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 food is served such as dining rooms but excluding areas where food may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed.

Non-food/feed areas of food/feed handling establishments, restaurants, etc., including (but not limited to) 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).

Not for use in USDA meat and poultry plants. Do not use in aircraft cabins.

Do not apply to classrooms when in use. Do not apply this product in rooms when occupied by patients, the elderly or infirm.

When applying to upholstery or carpeted surfaces, always spot test an inconspicuous area with the prepared spray solution to insure dyes will not bleed or that staining will occur.

**INDOOR USES AREAS:**

Aircraft (non-cabin areas)  
Bakeries  
Beverage Plants  
Canneries  
Flour Mills

Kennels  
Meat Packing Plants  
Motels  
Office Buildings  
Railroad Cars

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Food Processing Plants  
Grain Elevators  
Granaries  
Homes  
Hospitals (non-patient areas)  
Hotels  
Industrial Installations

Restaurants  
Retirement Homes  
Retail Establishments  
Schools  
Ship's Holds  
Supermarkets  
Truck Trailers  
Warehouses

Revised 9/1/97

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Application Sites	Pests Controlled	Use Directions	Diluent	Dilution Rate	Application Rate
<b>AS A SURFACE SPRAY</b>  Aircraft, Bakeries*, Beverage Plants*, Canneries*, Flour Mills*, Food Processing Plants*, Grain Elevators*, Granaries*, Homes, Hospitals*, Hotels, Industrial Installations, Kennels, Meat Packaging Plants*, Motels, Office Buildings, Railroad Cars, Restaurants*, Schools*, Ships' Holds, Supermarkets*, Truck Trailers, and Warehouses	Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Firebrats, Spiders, Crickets, Millipedes, Centipedes, Sowbugs, Pillbugs, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Red Rust Flour Beetles, Sawtoothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Mealworms, Grain Mites, and Cadelles	<u>For initial clean up of severe insect infestations:</u> Use a good sprayer to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry	Water	1 part concentrate in 10 parts water (13 fl. ounces per gallon)	1 gallon to 750 square feet of surface
		<u>For normal infestations:</u> Use a good sprayer adjusted to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for silverfish. Spray ant trails, nests and points of entry.	Water	From 1 to 2 parts concentrate to 40 parts water (3.25 - 6.50 fl. ounces per gallon)	1 gallon to 750 square feet of surface
	Carpet Beetles	Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets and infested areas of shelving. Repeat treatment as necessary.	Water	1 part concentrate to 20 parts water (6.5 fl. ounces per gallon)	
	Bedbugs	Spray mattresses lightly particularly around tufts and seams. Take bed apart and spray in all joints. Treat baseboards, moldings and floors. Allow all treated articles to thoroughly dry before use. Repeat treatments as needed.	Water	1 part concentrate to 20 parts water (6.5 fl. ounces per gallon)	
	Fleas and Ticks (Adults and Larvae)	Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment.	Water	From 1 to 2 parts concentrate to 40 parts water (3.25 - 6.5 fl. ounces per gallon)	
	Fleas	Spray on carpet until slightly wet. Use an overlapping pattern to assure total coverage. Allow carpet to dry before reusing. Drying time can be accelerated by use of a fan.	Water	1 part concentrate to 20 parts water (6.50 fl. ounces per gallon)	

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		Spray on upholstered furniture. Test fabric in an inconspicuous area to insure dyes will not bleed or that staining will occur. Spray all fabric services until slightly wet. Do not use on Haitian cotton, moire, or other delicate fabrics. Allow furniture to dry before using.	Water	1 part concentrate to 20 parts water (6.50 fl. ounces per gallon)	
	Dust Mites	Spray on carpet until slightly wet. Use an overlapping pattern to assure total coverage. After application, brush the surface of the carpet with a broom or brush to insure deep penetration. Allow carpet to dry before reusing. Drying time can be accelerated by use of a fan. <b>Important: This product may only be applied as a total carpet spray as directed in this section, or by use of an injection machine as described in <u>ASA CARPET SURFACE INJECTION</u> portion of this label. DO NOT apply this product to the same carpet area using both surface spray and injection methods of application.</b>	Water	1 part concentrate to 100 parts water (1.3 fl. ounces per gallon)	
		Spray on upholstered furniture and drapes. Test fabric in an inconspicuous area to insure dyes will not bleed or that staining will occur. Do not use on Haitian cotton, moire, or other delicate fabrics. Allow furniture to dry before using.	Water	1 part concentrate to 100 parts water (1.3 fl. ounces per gallon)	
		Spray the top, bottom and sides of mattresses and pillows until damp, paying particular attention to tufts and seams. Allow to dry before use.	Water	1 part concentrate to 100 parts water (1.3 fl. ounces per gallon)	
Walls, ceilings, moldings, screens, door frames, beams, light cords, and similar resting places	Mosquitoes, Wasps, Gnats, Skippers	Treat surfaces using a coarse wet spray but do not let runoff occur.	Water	1 part concentrate to 20 parts water (6.5 fl. ounces per gallon)	
In the construction of new carpeting, fabric ticking or sub-ticking materials	Dust Mites	Apply at the rate indicated to slightly wet, but thoroughly cover the back surface area of new carpeting and fabric ticking, or sub-ticking material surfaces. Or, dilute at the rate indicated and blend with latex products applied to the back of new carpeting and fabric ticking.	Water	Use 1.3 fl. ounces in sufficient water (1 pint to 1 gallon) for direct application or for dilution with latex backing material	Apply 1.3 fl. ounces of this product, in sufficient water and/or latex, to cover 180 sq. feet of surface area.

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Application Sites	Pests Controlled	Use Directions	Diluent	Dilution Rate	Application Rate
<p><b><u>AS A SPACE SPRAY</u></b></p> <p>Bakeries*, Beverage Plants*, Canneries*, Flour Mills*, Food Processing Plants*, Granaries*, Homes, Hospitals*, Hotels, Industrial Installations, Kennels, Meat Packaging Plants*, Motels, Office Buildings, Railroad Cars, Restaurants*, Schools*, Ship's Holds, Supermarkets*, Truck Trailers, Warehouses</p>	<p>House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Bees, Black Flies, Small Flying Moths</p>	<p>Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. When using an oil dilution for space spraying, extinguish all flames and pilot lights when applying.</p> <p>For rapid control of House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Bees, Black Flies and Small Flying Moths, direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate areas after treatment, ventilate and sweep up dead insects before re-occupying.</p> <p>For rapid kill of exposed or accessible stages of other insects named on this label, apply using conventional mechanical or compressed air equipment (non-thermal) following directions for space spraying.</p>	<p>Oil or Water</p>	<p>1 part concentrate in 20 parts oil or water (6.50 fl. ounces per gallon)</p>	<p>1 ounce spray solution per 1000 cubic feet</p>

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Application Sites	Pests Controlled	Use Directions	Diluent	Dilution Rate	Application Rate
<b>ASA CARPET SURFACE INJECTION</b>  Homes, Hospitals*, Hotels, Office Buildings, Motels, Railroad Cars, Restaurants*, Schools*, Ship Cabins, Supermarkets*, Retail Establishments, Retirement Homes*	Dust Mites	Inject diluted product into carpet using the Payton Injection Machine. Thorough coverage is important for good pest control. To insure thorough coverage, treat the perimeter of each room first, followed by parallel application paths which overlap 1" to 2", to the remaining area. After application, allow carpet to dry before use. Place furniture tabs under furniture legs or floor supports to prevent rust marks.	Water	1 part concentrate to 100 parts water (1.3 fl. ounces per gallon)	1 gallon of solution to cover 180 sq. feet (10' x 18') of carpet area
	Fleas	To determine the amount of solution to prepare, determine the size of the area to be treated by measuring and multiplying the length times the width. Refer to manufacturer's application directions provided with Injection Machine.  <b>Important: This product may only be applied through an injection machine as directed above, or as a total carpet spray as directed in <u>AS A SURFACE SPRAY</u> portion of this label. DO NOT apply this product to the same carpet area using both surface spray and injection methods of application.</b>	Water	1 part concentrate to 20 parts water (6.5 fl. ounces per gallon)	1 gallon of solution to cover 180 square feet (10' x 18') of carpet area

\*Non-Food/Feed Areas Only.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

EPA Reg. No. 67503-2

EPA Est. \_\_\_\_\_

Medachieve, Inc.

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(614) 488-4830

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