

67517-61

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Mr. Joseph E. Dyer
PM Resources, Inc.
13001 St. Charles Rock Road
Bridgeton, MO 64044

Dear Mr. Dyer:

Subject: Amendment: Update Directions/Comply with PR Notice 96-6
Permethrin 10% W.B. Multi-Purpose Concentrate
EPA Registration Number 67517-61
Your submission dated September 30, 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. Replace "For Agricultural/Commercial Use Only" with "For Commercial/Agricultural and Mosquito Abatement District Official Use Only". This statement should appear on the front panel beneath USDA authorization paragraph.

b. Under Hazards to Domestic Animals add: "Harmful if swallowed. Avoid contact with eyes."

c. We note retention of the minimum age of 4 weeks for puppies. Please identify domestic animal safety data that supports a younger age than 12 weeks or revise the statement to reflect 12 weeks.

d. Revise the second sentence of If On Skin to read: "Get medical attention if symptoms develop or irritation persists."

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

e. Under Hazards to Humans add the following precaution: "When applying indoors as a space spray or fog wear full-faced gas mask with canister type recommended for general insecticide protection."

f. Under Directions for Use add mixing instructions for maintenance dose i.e. "For maintenance dose (dilute 0.64 ounce per gallon) (4 teaspoons per gallon) (0.05%)."

We note incorporation of statement permitting use in federally inspected Meat and Poultry Plants. Please send us a copy of this authorization.

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

**PERMETHRIN 10% W.B.
MULTI-PURPOSE CONCENTRATE**

**AUTHORIZED BY U.S.D.A. FOR USE IN THE INEDIBLE PRODUCT
AREAS OF OFFICIAL ESTABLISHMENTS OPERATING UNDER THE
FEDERAL MEAT, POULTRY, SHELL EGG GRADING, AND EGG
PRODUCTS INSPECTION PROGRAMS**

- *Water base product*
- *Contains Bitrex*
- *For agricultural / commercial use only.*
- *Broad spectrum multi-use insecticide*
- *Quick knockdown*
- *For use outdoors and in homes, kennels, and non-food areas of commercial buildings, institutions, warehouses, theaters, office buildings, schools, motels, hotels, restaurants, and food/feed processing establishments, hospitals, poultry houses, dairies, cattle barns, milking parlors, horse barns and swine houses.*
- *For control of fleas, brown dog ticks on premises and on dogs*
- *Residually controls fleas and ticks on dogs for 35 days*
- *Aids in control of ticks on dogs for an additional 2 weeks*

ACTIVE INGREDIENT:

*Permethrin: (3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate..... 10.0%

INERT INGREDIENTS 90.0%

TOTAL 100.0%

*Cis/trans ratio: Max. 65% (--) trans and min. 35% (+/-) cis.
*Contains 0.845 lbs. permethrin per gal. (48 grams permethrin per pint)

PROTECT FROM FREEZING

**KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE SIDE/BACK PANEL FOR
ADDITIONAL PRECAUTIONARY STATEMENTS**

Manufactured by:
PM RESOURCES, INC.
13001 St. Charles Rock Road
Bridgeton, MO. 63044

ACCEPTED
with COMMENTS
in EPA Letter Dated

EPA Reg. No. 67517-61
NET 32 FL. OZ.

SEP 30 1998

EPA Est. No. 67517-MO-1

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
67517-61

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READ ENTIRE LABEL BEFORE EACH USE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HAZARDS TO HUMANS:

Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

HAZARDS TO DOMESTIC ANIMALS:

USE ONLY ON DOGS. DO NOT USE ON CATS

Consult a veterinarian before using this product on debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Certain medications can interact with pesticides. Consult a veterinarian before using on mediated animals. **DO NOT USE ON PUPPIES UNDER FOUR WEEKS OF AGE.**

FIRST AID

If On Skin: Wash with plenty of soap and water. Get medical attention.

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

If Swallowed: Call a Physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. **IF PERSON IS UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH AND DO NOT INDUCE VOMITING.**

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 and other aquatic organisms. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when wind speeds exceed 10 mph. Do not contaminate water when disposing of equipment washwaters. Shrimp and crab may be killed if application rates recommended on this label are exceeded. Use with caution where these are important resources. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply this product or allow drift when bees are actively visiting the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

PHYSICAL AND CHEMICAL HAZARDS

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

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DIRECTIONS FOR USE

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

Keep container sealed when not in use **PROTECT FROM FREEZING**. Shake or stir product thoroughly before using or reusing diluted emulsion.

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

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

For initial clean up of severe insect infestation, dilute at a rate of (6.0 fluid ounces per gallon) (0.5%).

For normal infestation dilute (1.2 ounces per gallon) (8 teaspoonsful per gallon) (0.1%).

INDOOR USE AREAS: Do not use in food/feed area 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 food are served such as dining rooms but excluding areas where foods 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: Include (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): AIRCRAFT (cargo area only) BAKERIES, BEVERAGE PLANTS, CANNERIES, FLOUR MILLS, FOOD PROCESSING PLANTS, GRAIN ELEVATORS, GRANARIES, HOSPITALS (non-occupied areas), HOTELS, MOTELS, INDUSTRIAL INSTALLATIONS, KENNELS, MEAT PACKING PLANTS, HOMES, OFFICE BUILDINGS, RAILROAD CARS, RESTAURANTS, SCHOOLS, SHIPS' HOLDS, SUPERMARKETS, TRUCK TRAILERS, WAREHOUSES.

Do not apply to classrooms when in use. Do not apply this product in occupied patient rooms or in any rooms while occupied by the elderly or infirm.

Use in USDA Establishments: Acceptable as a residual pesticide for use in the inedible product areas of official establishments operation under the Federal meat, poultry, shell egg grading, and egg products inspection programs. This product must be used in a manner that precludes entry into edible product areas through open windows, ventilating systems, etc.

AS A SURFACE SPRAY TO CONTROL: Cockroaches, Waterbugs, Palmetto Bugs, Ants, Silverfish, Beetles, Mites, Weevils, Fireboats, Spiders, Crickets, Millipedes, Centipedes, Sowbugs, Pillbugs, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Sawtoothed Grain Beetles, Red Rust Flour Beetles, Sawtoothed Grain Beetles, Cigarette Beetles, Drugstore Beetles, Meal Worms, Grain Mites and Cadelle. Use a good sprayer and adjust 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. If surface application only is to be used, spray floors, walls and other surfaces applying at a rate of (1) gallon to 750 square feet of surface.

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AS A SURFACE SPRAY TO CONTROL: 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 area of shelving. Repeat treatment as necessary. Apply at a rate of 0.64 oz/gallon.

AS A SURFACE SPRAY TO CONTROL: Bedbugs. Spray mattresses lightly particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, molding and floors. Allow all treated articles to thoroughly dry before use. Repeat treatment as needed. Apply at a rate of 0.64 oz/gallon.

TO CONTROL: Fleas and Ticks (adult 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. Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating system. For rapid control of House Flies, Fruit Flies, Gnats, Mosquitoes, Shipper Flies, Wasps, Hornets, Bees, Black Flies, Angoumois Grain Moths and Tobacco Moths, Direct Spray at an upward angle distributing it uniformly through the entire areas at a rate of (1) ounces per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate areas after treatment and ventilate and sweep up dead insects before occupying.

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. Apply the above dilutions at a rate of (1) ounce per 1000 cubic feet of space.

OUTDOOR USE AREAS

APPLICATION SITES: CORRALS, FEED LOTS, GARDENS, PARKS, HOMES, DRIVE-IN THEATERS, DRIVE-IN RESTAURANTS, GOLF COURSES, PLAYGROUNDS, RECREATIONAL AREAS, SWINE LOTS, URBAN AREAS, ZOOS.

FOR TEMPORARY REDUCTION OF ANNOYANCE FLIES, GNATS, MOSQUITOES

In drive-in restaurants, drive-in theaters, golf course, urban areas, parks, playgrounds and other recreational areas. Dilute (1) part concentrate in 40 parts water (3.2 fluid ounces per gallon of water) (0.25%). Direct the spray into tall grass, shrubbery and around lawns, where these pests may hover or rest. Apply while the air is still and avoid wetting foliage. Application should be made prior to occupancy. Repeat as necessary.

In the treatment of corrals, feedlots, swine lots and zoos, cover and exposed water, drinking fountains and animal feed before application. Fill the area with mist and direct the spray into tall grass, shrubbery and around lawns where the above pests may hover or rest. Apply while the air is still and avoid wetting foliage. In zoos, prevent exposure of reptiles to the product. Repeat as necessary.

APPLICATION SITES: GYPSY MOTH, CATERPILLARS AND ADULTS, ADULT JAPANESE BEETLES, EASTERN AND FOREST TENT CATERPILLARS.

TREES, SHRUBS, ROSES AND FLOWER GARDENS

To kill on contact: Dilute 1 part concentrate in 40 parts water (3.2 fluid ounces per gallon of water) (0.25%) apply to ensure thoroughly coverage of upper and lower surfaces.

On trees and shrubs, treat trees and shrubs as soon as insects emerge (usually late spring). Treat leaves, branches and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days as necessary for control.

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On roses and in flower gardens, treat plants and flowers as soon as insects appear. Spray plant and flowers making sure to penetrate dense foliage. Repeat applications every 7 days or as necessary for control.

NOTE: NOT for use on plants being grown for sale or other commercial use, or for commercial seed production for research purposes. For use on plants intended for aesthetic purposes or climatic modifications and being grown in interior landscapes, ornamental gardens or parks, or on golf courses or lawns.

APPLICATION SITES: BARRIER SPRAY-PERIMETER OF RESIDENTIAL YARDS, PUBLIC FACILITIES, PATHS AND RECREATIONAL AREAS.

AS AN AID IN REDUCING MOSQUITO ANNOYANCE TO KILL AND CONTROL BITING AND NON-BITING MIDGES, DEER FLIES AND OTHER BITING FLIES.

Mix 1 part concentrate with 1 part suitable oil solvent or at proportional oil dilutions calculated on the basis of vehicle speed and swath width to achieve the target dose.

Apply when walking at a speed of approximately 2 mph or a swath of 50 feet treating approximately 0.2 acre/minute.

ANIMALS AND ANIMAL PREMISE USE

APPLICATION SITES: CATTLE BARNS, SWINE HOUSES, MILK ROOMS, KENNELS, POULTRY HOUSE, HORSE BARNS, DAIRIES, MILKING PARLORS, FEED LOTS, STABLES, PADDOCKS.

For initial clean up of severe insect infestation, dilute at a rate of (1) part concentrate in 19 parts water (6.9 ounces per gallon) (0.5%). For normal infestations dilute (1) part concentrate in 100 parts water (1.2 ounces per gallon) (8 teaspoonsful per gallon) (0.1%).

REFERENCE CHART

PESTS	DILUTIONS (mix well)	HOW TO APPLY
PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, Poultry and Livestock Housing).		
Horse Flies, Stable Flies, lesser house flies and other manure breeding flies. Fleas, Lice, Mites, Ticks, including Deer Tick (carrier of Lyme disease). Aids in control of Cockroaches, Mosquitoes and Spiders.	Dilute 8 oz. in 7 gal. water Dilute 1 pt. in 14 gal. water Dilute 1 qt. in 28 gal. water	Spray walls and surface thoroughly, but do not allow run off to occur, about 1 gallon per 750-1000 sq. ft. Treat no more often than once every 2 weeks. Do not contaminate animal's feed or water by spray. Do not use in milk rooms.
Meal Worms, Darkling Beetles, and Gnats	For normal infestation, dilute (1) part concentrate in 200 parts water (0.64 ounce per gallon) (4 teaspoonfuls per gallon) (0.05%)	Remove animals prior to treatment. Apply as a fog or fine mist, directing the spray toward the ceiling and upper corners until the area is filled with mist, using about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for ten to fifteen minutes. Ventilate area before entering.

PESTS ON DOG PREMISES (Kennels, Dog Houses, Runs and Yards)

Fleas, Flies, Ticks, Lice and Mange Mites (adult and larvae)	Dilute 8 oz. in 7 gal. water Dilute 1 pt. in 14 gal. water Dilute 1 qt. in 28 gal. water	Thoroughly wet pest breeding or resting areas but do not allow run off to occur. Most efficient pest control is accomplished when heavy pressure and good contact is achieved. Timing and frequency of applications should be based on pest populations 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.
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PESTS IN CATTLE BARNS, HORSE BARNS, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS STABLES AND PADDOCKS

Flies, Mosquitoes and Gnats	Dilute 8 oz. in 7 gal. water Dilute 1 pt. in 14 gal. water Dilute 1 qt. in 28 gal. water	FOG OR FINE MIST: Apply, directing the spray toward the ceiling and upper corners until the area is filled with mist. Use about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep closed for ten to fifteen minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.
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PESTS ON LARGE ANIMALS (Diary or Beef Cattle, Horses, Sheep and Goats)

Face Flies, Horn Flies, Stable Flies, Mosquitoes, Lice, Mites, Ticks including Deer Tick (carrier of Lyme disease)	Dilute 8 oz. in 56 gal. water Dilute 1 pt. in 112 gal. water Dilute 1 qt. in 225 gal. water	Spray to thoroughly cover entire animal. For Lice or Mites, a second treatment is recommended 14-21 days later. Spray lactating dairy cows only after milking is completed.
Horn Flies, Face Flies, Stable Flies, Ear Ticks	Dilute 2 oz. in 1.1 gal. water Dilute 1 pt. in 2.8 gal. water	SPOT TREATMENT - LOW PRESSURE SPRAY: Apply 1/2 oz. per ear or 2-4 oz. on face or 12-16 oz. along the backline.
Stable Flies, Horse Flies and Deer Flies	For normal infestation, dilute (1) part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoonfuls per gallon) (0.05%)	Apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, top line and other body areas commonly attracted by the flies. Repeat treatment as needed.
Sheep "Tick" or Ked	For normal infestation, dilute (1) part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoonfuls per gallon) (0.05%)	Thoroughly wet all parts of the body by dripping 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.

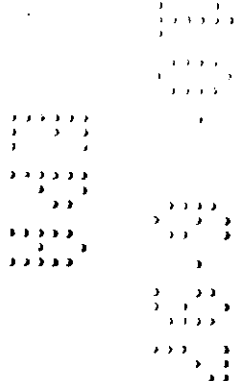
PESTS ON SWINE AND POULTRY (Do not ship swine for slaughter within 5 days of last treatment)

Mange Mites	Dilute 8 oz. in 28 gal. water Dilute 1 pt. in 56 gal. water Dilute 1 qt. in 112 gal. water	Spray, dip or sponge animals. Retreat after 14 days, spraying walls and floor space and bedding to kill late hatching, developing stages.
Blow Flies, Mosquitoes, Hog Lice, Fleas, Ticks, including Deer Ticks (carrier of Lyme disease)	Dilute 8 oz. in 28 gal. water Dilute 1 pt. in 56 gal. water Dilute 1 qt. in 112 gal. water	Spray, dip or sponge to apply 1 pint per pig, especially around ears.
Poultry Mites, Northern Fowl Mites and Lice	Dilute 8 oz. in 14 gal. water Dilute 1 pt. in 28 gal. water Dilute 1 qt. in 56 gal. water	Spray at the rate of 1/2 oz. per bird, or 1 gal. per 100 birds, with a fine mist. Spray roosts, walls and nests or cages.
Bedbugs and Mites in Poultry Houses	Form normal infestations, dilute (1) part concentrate in 200 parts water (0.64 ounces per gallon) (4 teaspoonfuls per gallon) (0.05%)	Spray crevices of roost, poles, cracks in walls and cracks in nests where the bedbugs and mites hide.

PESTS ON DOGS (DO NOT USE ON PUPPIES UNDER FOUR WEEKS OF AGE)

Fleas, Ticks, including Deer Tick (carrier of Lyme disease), Lice and Mange	Dilute 8 oz. in 14 gal. water Dilute 1 pt. in 28 gal. water Dilute 1 qt. in 56 gal. water	Thoroughly wet the animal by dipping, sponging or spraying. allow animal to dry in a warm place without rinsing or toweling. Gives long lasting protection against reinfestation and applications at intervals of two to three weeks. Do not reapply more often than once every two weeks.
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HOSE-END SPRAYER: To control listed insects, shake well before applying. Connect nozzle to hose; remove bottle cap, insert diptube and screw bottle onto nozzle. Turn on water at the tap. When ready to treat, place finger over the hole on right side of nozzle and the liquid will mix automatically at the proper ratio. Apply to surfaces in dairies, barns, feed lots, stables, poultry houses, swine and livestock housing: to control House Flies, Stable Flies and other manure breeding flies. Also aids in control of Cockroaches, Ants, Spiders, Mosquitoes, Crickets and Face Flies. Walk and spray at the steady pace. Spray walls and surfaces thoroughly, but do not allow run off to occur. Treat no more often than once every two weeks. Do not contaminate animals feed or water by spray.



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Storage and 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 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 at or by an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures

CONTAINERS ONE GALLON AND SMALLER: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

CONTAINERS LARGER 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, 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.

NOTICE OF WARRANTY

PM RESOURCES, INC., MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR OTHERWISE, EXPRESSED OR IMPLIED CONCERNING THIS PRODUCT OR ITS USES WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.