

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 15 1992

*Handwritten signature and date: 6/15/92*

Mr. John Wright  
FMC Corporation  
Agricultural Chemical Group  
1735 Market Street  
Philadelphia, PA 19103

Dear Mr. Wright:

Subject: Label Amendments  
Dagnet FT Termiticide  
EPA Registration No. 279-3062  
Your Submission Dated January 8, 1992  
Label Amendments and Alternate Formulation  
Prevail FT Termiticide  
EPA Registration No. 279-3082  
Your Submissions Dated January 13, 1992 and March 3, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. (EPA Reg. No. 279-3082). According to the dilution table on page 6 emulsion concentrations will be approximately 10% below the desired 0.25%, 0.30%, 0.5%, 0.6%, 1.0% and 1.2%. You should recalculate by increasing the rates of product in the dilution table by a factor of 1.1 : 2 lbs. per gallon. Refer to the efficacy review dated March 31, 1992 for more information.
2. (EPA Reg. No. 279-3062). According to the dilution table on page 6 emulsion concentrations will be 5% or more below the desired 0.5%, 1.0% and 2.0%. You should recalculate by increasing the rates of product in the dilution table by a factor of 1.05 : 3.3 lbs. per gallon.
3. On page 12 delete the list of equipment that may be used to generate foam. We cannot determine if these equipment/mechanisms will give acceptable foams. You may submit for our review information and descriptions on how the equipment will generate foam.

SYMBOL								
SURNAME	<i>Helbert</i>							
DATE	<i>6-12-92</i>							

4. Under Indoor Use identify feed areas along with food areas i.e.,

"in food/feed areas of food . ."

"where food/feed is commercially . ."

"non-food/feed areas are . . "

The added pest claims are acceptable on the basis of currently registered cypermethrin and permethrin products.

The alternate CSF dated March 2, 1992 for Prevail FT Termiticide has been reviewed and is acceptable.

Submit five copies of your final printed labeling before you release the products for shipment.

Stamped copies of the labeling are enclosed for your records.

Sincerely,

George T. LaRocca  
Product Manager 13  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosures

005655

Proposed label for EPA.

The specific changes from latest stamped label are:

- o Modified U-Turn storage instructions, page 3.
- o Added gel absorbents to page 5.
- o Expanded mixing chart, page 6.
- o Changed application volume rate to address various soil types, page 7.
- o Qualifier to plug holes in construction elements of living areas of home. page 7.
- o Change word may to should on page 8.
- o Added the qualifier of emulsion in many locations for better instructions.
- o Restructure the crawl space section, page 10.
- o Added foam and underground services use direction, page 12.
- o Add Sod webworm and armyworms as outdoor pests, page 18.
- o Major addition is incorporation of indoor Flea Insecticide, EPA Reg. No. 279-3092 uses which requires restructure in some areas, pages 14, 15, 16, 19 & 20.
- o Added pest control in crawlspaces section, page 16.
- o Included sand barrier installation & treatment, page 13.

All additions are in **Bold**, deletions are in [Brackets] and moves are { } Move to new location.

ACCEPTED  
with COMMENTS  
to EPA Letter Dated

JUN 15 1992

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

279-3063

005655  
Code 1223

Dragnet<sup>R</sup> FT  
Termiticide

Only for Sale To, Use and Storage by Professional Pest Control Operators

EPA Reg. No. 279-3062

EPA Est. 279-

ACTIVE INGREDIENTS:

*Permethrin**.....	.36.8%
INERT INGREDIENTS.....	.63.2%
	100.0%

\*(3-Phenoxyphenyl)methyl(+)cis-trans 3-(2-2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate  
\*\*cis/trans ratio: Max. 55%(+)cis and min. 45%(+)trans

Contains 3.2 pounds permethrin per gallon

U.S. Patent No. 4,024,163

KEEP OUT OF REACH OF CHILDREN

CAUTION

See other panels for additional precautionary information.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Do not induce vomiting because of aspiration hazard.

If inhaled: Remove to fresh air. If discomfort or breathing difficulty occurs, obtain medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

For Emergency Assistance Call 1-800-331-3148

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

**CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust (vapor or spray mist). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**Environmental Hazards**

This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply this product or allow it to drift to crops or weeds on which bees are actively foraging. Additional information may be obtained from your Cooperative Extension Service.

This product is extremely toxic to fish and aquatic invertebrates. Use with care when applying to areas adjacent to any body of water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water.

**Physical/Chemical Hazards**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**Shake Well Before Using**

**STORAGE AND DISPOSAL**

**Pesticide Storage**

Store at temperatures above 40°F (5°C)

If separation occurs, and less than entire contents of container are to be used, remix by agitation. For the 1.25 and 2.5 gallon containers, invert and shake several times until contents are homogeneous. For the 5 gallon U-Turn(R) container, grasp handle and rock container forward and backward vigorously until contents are homogeneous. For 10 gallon U-Turn container, remix with mechanical agitator by attaching a power drill with 1/4 inch chuck to agitator shaft and agitating by spinning shaft for 1 minute prior to dispensing.

If crystals form, warm to room temperature (70°F)(21°C) by room heating only for 24-48 hours and shake occasionally until crystals dissolve and product appears uniform. Do not use external source of heat for warming container.

Do not use or store near heat, open flame or hot surfaces.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: 1-800-331-3148.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter, commercial clay or gel absorbents. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

#### **Pesticide Disposal**

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### **Container Disposal**

**Plastic Containers:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**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. Do not cut or weld metal containers.

**Returnable/Refillable Sealed Container:** Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

### GENERAL INFORMATION ON THE USE OF THIS PRODUCT

The use of this product prevents and controls termite infestations in and around structures and constructions.

The dilute insecticidal emulsion must be adequately dispersed in the soil to establish a barrier between the wood and the termites in the soil. As a good practice: 1) all non-essential wood and cellulose containing materials should be removed from around foundation walls, crawl spaces and porches; 2) eliminate termite access to moisture by repairing faulty plumbing and/or construction grade. Soil around untreated structural wood in contact with soil should be treated as described below.

To establish an effective insecticidal barrier with this product the service technician must be familiar with current termite control practices such as: trenching, rodding, sub-slab injection, coarse fan spraying of soil surfaces, crack and crevice (void) injection, excavated soil treatment, and brush or spray applications to infested or susceptible wood. These techniques must be correctly employed to prevent or control infestations by subterranean termites such as: Coptotermes, Heterotermes, Reticulitermes and Zootermopsis. The biology and behavior of the species involved should be considered by the service technician in determining which control practices to use to eliminate or prevent the termite infestation.

Choice of appropriate procedures should include consideration of such variable factors as the design of the structure, location of heating, ventilation, and air conditioning (HVAC) systems, water table, soil type, soil compaction, grade conditions, and location and type of domestic water supplies and utilities.

For advice concerning current control practices with relation to specific local conditions, consult resources in structural pest control and state cooperative extension and regulatory agencies.

### SUBTERRANEAN TERMITE CONTROL DIRECTIONS FOR USE

**IMPORTANT:** Contamination of public and private water supplies must be avoided by following these precautions: Use anti-backflow equipment or procedures to prevent siphonage of insecticide into water supplies. Do not treat soil beneath structures that contain cisterns or wells. Do not treat soil that is water saturated or frozen. Consult state and local specifications for recommended distances of wells from treated areas, or if such regulations do not exist, refer to Federal Housing Administration Specifications (H.U.D.) for guidance.

**Note:** Crawlspace are to be considered inside of the structure.

**CRITICAL AREAS:** Critical areas include areas where the foundation is penetrated by utility services, cracks and expansion joints, bath traps and areas where cement constructions have been poured adjacent to the foundation such as stairs, patios, and slab additions.

**APPLICATION RATE:**

Use a 0.5 - 1.0% emulsion for subterranean termites. For other pests on the label use specific listed rates.

**MIXING:**

For the desired application rate, use the chart below to determine the amount of Dragnet FT for a given volume of finished emulsion:

**Amount of Dragnet FT**

(Gallons except where noted)

Emulsion Concentration	<u>0.5%</u>	<u>1.0%</u>	<u>2.0%</u>
Desired Gallons of Finished Emulsion			
1	1.6 oz.	3.2 oz.	6.4 oz.
5	8 oz.	16 oz.	0.25
10	16 oz.	0.25	0.5
20	0.25	0.5	1
50	0.62	1.25	2.5
80	1	2	4
100	1.25	2.5	5
150	1.88	3.75	7.5
200	2.5	5	10

Common units of measure:

1 pint = 16 fluid ounces (oz.)

1 gallon = 4 quarts = 8 pints = 128 fluid ounces (oz.)

**Application Volume:** To provide the greatest protection against termite reinfestation for both pre and post construction applications, it is important to apply as close to labeled volume and rate of finished emulsion as is practical. To ensure thorough and complete coverage in different soil types, it may become necessary to adjust the volume being applied, provided there is a corresponding rate adjustment so that the amount of active ingredient applied to the soil remains the same. In situations such as clay-rich soils which will not accept large amounts of water, reduced volumes of emulsion can be used which will deliver the appropriate concentration of termiticide to the soil. This may also apply to sensitive areas and/or applications where less volume may be desirable.

Where desirable for pre and post construction treatments, the volume of the 1.0% emulsion may be reduced by as much as 1/2 the labeled volume or a 2.0% emulsion may be applied at 1/4 to 1/2 the labeled volume (see Volume Adjustment Chart below). Volume adjustments at 2.0% are not recommended for subslab injection. See Volume Adjustment Chart below.

**Note:** When volume is reduced, the hole spacing for subslab injection and soil rodding may require similar adjustment to account for lower volume dispersal of the termiticide in the soil.

#### Volume Adjustment Chart

Rate (% emulsion)	0.5%	1.0%	2.0%
<b>Volume allowed:</b>			
Horizontal (gallons emulsion/10 ft <sup>2</sup> )	1.0 gallons	0.5-1.0 gallons	0.25-0.5 gallons*
Vertical (gallons emulsion/10 lin.ft.)	4.0 gallons	2.0-4.0 gallons	1.0-2.0 gallons*

\* Not recommended for subslab injection.

**AFTER TREATMENT:** Securely plug all holes drilled in construction elements of living areas of home after application.

#### PRE-CONSTRUCTION SUBTERRANEAN TERMITE TREATMENT

Effective pre-construction subterranean termite control is achieved by the establishment of vertical and/or horizontal insecticidal barriers using 0.5%-1.0% emulsion of Dagnet FT. To meet termite proofing requirements, follow the procedures in the latest edition of the Housing and Urban Development Minimum Property Standards (refer to U.S.D.A. Home and Garden Bulletin No. 64).

#### HORIZONTAL BARRIERS

Create a horizontal barrier wherever treated soil will be covered, such as footing trenches, slab floors, carports, and the soil beneath stairs and crawlspaces.

To produce a horizontal insecticidal barrier, apply the emulsion at the rate of 1 gallon per 10 square feet to fill soil. If fill is washed gravel or other coarse material, apply at 1.5 gallons of emulsion per 10 square feet so that the emulsion will reach the soil beneath the fill. Applications shall be made by a low pressure spray (less than 50 p.s.i.) using a coarse spray nozzle. If slab will not be poured the same day as treatment, cover treated soil with a water-proof barrier such as polyethylene sheeting. This is not necessary if foundation walls have been installed around the treated soil.

#### VERTICAL BARRIERS

Vertical barriers should be established in areas such as around the base of foundations, plumbing, utility entrances, back-filled soil against foundation walls and other critical areas.

To produce a vertical barrier in soil, apply the emulsion at a rate of 4 gallons of emulsion per 10 linear feet per foot of depth. Distribute the treatment as evenly as possible.

- a. When rodding or trenching, it is important that emulsion reaches the top of the footing. Rod holes should be spaced to provide a continuous insecticidal barrier.
- b. Care should be taken to avoid soil wash-out around the footing.
- c. Trenches need not be wider than 6 inches. Emulsion should be mixed with the soil as it is being replaced in the trench.
- d. For a monolithic slab, an inside vertical barrier may not be required.

Hollow block voids may be treated at a rate of 2 gallons of emulsion per 10 linear feet so that the emulsion will reach the top of the footing.

### POST-CONSTRUCTION SUBTERRANEAN TERMITE TREATMENT

Use a 0.5% to 1.0% emulsion for post-construction treatment. Up to 1.0% emulsion may be used in critical areas and areas which will be difficult to retreat. Post-construction soil applications shall be made by injection, rodding, and/or trenching or coarse fan spray with pressures not exceeding 25 p.s.i. at the nozzle. Care should be taken to avoid soil wash-out around the footing.

Do not apply emulsion until location of wells, radiant heat pipes, water and sewer lines and electrical conduits are known and identified. Caution must be taken to avoid puncturing and injection into these elements.

#### SLABS

Vertical barriers may be established by sub-slab injection within the structure and rodding and/or trenching outside at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth. Special care must be taken to distribute the treatment evenly. Treatment should not extend below the bottom of the footing.

Treat along the outside of the foundation and where necessary beneath the slab on the inside of foundation walls. Treatment may also be required beneath the slab along both sides of interior footing-supported walls, one side of interior partitions and along all cracks and expansion joints. Horizontal barriers may be established where necessary by long-rodding or by grid pattern injection vertically through the slab.

- a. Drill holes in the slab and/or foundation to allow for the application of a continuous insecticidal barrier.
- b. For shallow foundations (1 foot or less) dig a narrow trench approximately 6 inches wide along the outside of the foundation walls. Do not dig below the bottom of the footing. The emulsion should be applied to the trench and soil at 4 gallons of emulsion per 10 linear feet per foot of depth as the soil is replaced in the trench.
- c. For foundations deeper than 1 foot follow rate for basement.
- d. Exposed soil and wood in bath traps may be treated with an 0.5% to 1.0% emulsion.

## BASEMENTS

Where the footing is greater than 1 foot in depth from grade to the bottom of the foundation, application can be made by trenching and/or rodding at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth. Sub-slab injection may be necessary along the inside of foundation walls, along cracks and partition walls, around pipes, conduits, piers, and along both sides of interior footing-supported walls.

[ACCESSIBLE] CRAWL SPACES

In crawl spaces vertical barriers may be applied at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth from grade to top of footing. Application may be made by rodding and/or trenching. If adequate ventilation is not available in the crawl space, see point "c" below. Treat both sides of the foundation and around all utility services.

- a. Rod holes should be spaced to provide a continuous insecticidal barrier. Treatment should not extend below the footing.
- b. Trenches need not be wider than 6 inches and not below the footing. The emulsion should be mixed with the soil as it is replaced in the trench.
- c. It is recommended that inadequately ventilated crawl spaces be brought into compliance with FHA Minimum Property Standards specifying 1 square foot of ventilator opening per 150 square feet of crawl space area.
- d. To prevent subterranean termites from constructing mudtubes between soil and crawl space wood members above, an overall soil treatment of this product may be applied. Remove all cellulose debris before application. Apply 1 gallon of emulsion per 10 square feet.
- e. For inaccessible crawl spaces, drill through the foundation wall or through the floor above and treat the soil perimeter at a rate of 4 gallons of emulsion per 10 linear feet per foot of soil depth. Apply to the soil surface of the crawl space with a coarse spray with pressures not exceeding 25 p.s.i. at the nozzle. Apply at the rate of 1 gallon of emulsion per 10 square feet.

When treating plenums or crawl spaces, turn off the air circulation system of the structure until application-generated dust or spray mist has settled. Wear respiratory protection when treating crawl spaces.

NOTE: If treatment method "d" or "e" is used, children and pets should be kept out of treated area in crawl space until surface is dry.

[INACCESSIBLE CRAWL SPACES

Inaccessible crawl spaces are those in which the interior clearance prohibits entry and treatment by the applicator. The following methods of treatment may be used:

- a. Excavation of the crawl space to make it accessible space, then treat as an accessible space.
- b. Drill through the foundation wall or through the floor above and treat the soil perimeter at a rate of 4 gallons of emulsion per 10 linear feet per foot of soil depth.
- c. Apply to the soil surface of the crawl space with a course fan spray with pressures not exceeding 25 p.s.i. at the nozzle. Apply at the rate of 1 gallon of emulsion per 10 square feet.

Note: If treatment method "b" or "c" are used, children and pets should be kept out of treated area until surface is dry.]

MASONRY VOIDS

Treatment may be made through masonry voids such as concrete blocks and veneer to establish a continuous insecticidal barrier at the top of the footing. Apply at the rate of 2 gallons of emulsion per 10 linear feet. Where this treatment is necessary, access holes in the blocks must be drilled below the sill plate and as close as possible to the footing as is practical.

**Note:** When treating behind veneer care should be taken not to drill beyond the veneer. If concrete blocks are behind the veneer, both the blocks and the veneer may be drilled and treated at the same time.

EXCAVATION TECHNIQUE

If treatment must be made in difficult situations, such as near wells, cisterns, along fieldstone or rubble walls, along faulty foundation walls, and around pipes and utility lines which lead downward from the structure to a well or pond, application may be made in the following manner:

- a. Trench and remove soil to be treated onto heavy plastic sheeting or similar material.
- b. Treat the soil at the rate of 4 gallons of emulsion per 10 linear feet per foot of depth of the trench. Mix the emulsion thoroughly into the soil taking care to prevent liquid from running off the liner.
- c. After the treated soil has absorbed the liquid emulsion, replace the soil in the trench.

Prior to using this technique near wells or cisterns, consult state, local or federal agencies for information regarding approved treatment practices in your area.

#### FOAM APPLICATIONS

Dragnet FT termiticide emulsion, from 0.5 to 2.0%, may be converted to a foam with expansion characteristic from 2 to 20 times and the foam used to treat voids to control or prevent termite, ant, bee, wasp infestations or other arthropods harboring under slabs.

#### Application Under Slabs or to Soil in Crawlspace to Control Termites:

Application must be made using Dragnet FT foam in combination with liquid emulsion applications. At least 75% of the labeled liquid emulsion volume of termiticide must be applied.

#### Application to Other Voids:

Application may be made behind veneers, piers (concrete or wood), chimney bases, into rubble foundations, into block voids, structural voids (i.e., between stud walls), poles, stumps, and wood in crawlspaces using either the foam alone or in combination with liquid emulsion.

Foams may be generated from either the 0.5, 1.0, or 2% finished emulsion in any fashion, such as, through the use of mechanical agitation, air flows, spray tank additives, aerosol actuators, or any combination of methods.

UNDERGROUND SERVICES such as: wires, cables, utility lines, pipes, conduits, etc. Services may be within structures or located outside structures, in right-of-ways or to protect long range (miles) of, installations of services.

Soil treatment may be made using using 0.5 to 1.0% Dragnet FT emulsion to prevent attack by termites and ants.

Apply 2 to 4 gallons of emulsion per 10 linear feet to the bottom of the trench and allow to soak into the soil. Lay services on the treated soil and cover with approximately 2 inches of fill soil. Apply another 2 to 4 gallons per 10 linear feet over the soil surface to complete the treatment barrier. In wide trenches, only treat the soil in the area near the services. It is important to establish a continuous barrier of treated soil surrounding the services.

Where soil will not accept the above labeled volume, 1 to 2 gallons of 1.0% Dragnet FT may be used per 10 linear feet of trench both to the bottom of the trench and over the soil on top of the services.

Finish filling the trench with untreated fill soil. The soil where each service protrudes from the ground may be treated by trenching/rodding of no more than 1 to 2 gallons of emulsion into the soil.

**Precautions:**

**Do not treat electrically active underground services.**

**SAND BARRIER INSTALLATION AND TREATMENT**

**Termites can build mud tubes over treated surfaces as long as they have access to untreated soil and do not have to move Dragnet FT treated soil. Fill in cracks and spaces with builder's or play box sand and treat the sand with Dragnet FT. The sand should be treated as soil following the termiticide rates listed on the Dragnet FT label.**

**Retreatment Restrictions**

Retreatment for subterranean termites should be made when there is evidence of reinfestation subsequent to the initial treatment, or there has been a disruption of the chemical barrier in the soil due to construction, excavations, landscaping, etc. Retreatments should be made as a spot treatment to these areas.

Retreatments may be made to vulnerable areas in accordance with the application techniques described above. This application should be made as a spot treatment to these areas. Routine or annual retreatment of the entire premises should be avoided.

**SPECIFIC PEST CONTROL APPLICATIONS**

**POSTS, POLES, AND OTHER CONSTRUCTIONS**

Create an insecticidal barrier in the soil around wooden constructions such as signs, fences and landscape ornamentation by applying a 0.5% to 1.0% emulsion.

Previously installed poles and posts may be treated by sub-surface injection or treated by gravity-flow through holes made from the bottom of a trench around the pole or post. Treat on all sides to create a continuous insecticidal barrier around the pole. Use 1 gallon of emulsion per foot of depth for poles and posts less than six inches in diameter. For larger poles, use 1.5 gallons of emulsion per foot of depth. Apply to a depth of 6 inches below the bottom of the wood. For larger constructions, use 4 gallons of emulsion per 10 linear feet per foot of depth.

**TREATMENT OF WOOD-IN-PLACE FOR CONTROL OF WOOD-INFESTING INSECTS  
(Localized Areas in Structure)**

For the control of insects such as termites, ants, carpenter ants, and wood-infesting beetles such as Old House Borer and Powder Post in localized areas of infested wood in and around structures, apply a 0.5% emulsion to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Paint on or fan spray applications may also be used. Plastic sheeting must be placed immediately below overhead

areas that are spot treated except for soil surfaces in crawlspaces. Application may be made to inaccessible areas by drilling, and then injecting emulsion with a crack and crevice injector into the damaged wood or void spaces. This type of application is not intended to be a substitute for soil treatment, mechanical alteration or fumigation to control extensive infestation of wood-infesting insects.

**Control of Bees and Wasps Indoors:** To control bees, wasps, hornets, and yellow jackets apply a 0.5% emulsion. Application should be made in the late evening when insects are at rest. Spray liberally in to hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat if necessary.

Termite carton nests in trees or building voids may be injected with 0.5% to 1.0% emulsion. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from building voids when such nests are found.

**Important:** Do not apply emulsion until location of heat pipes, ducts, water and sewer lines and electrical conduits are known and identified. Caution must be taken to avoid puncturing and injection into these structural elements. Do not apply into electrical fixtures, switches, or sockets.

{In the home, all food processing surfaces and utensils in the treatment area should be covered during treatment or thoroughly washed before re-use. Remove pets, birds, and cover aquariums before spraying. Do not permit humans or pets to contact treated surfaces until the spray has dried.

During any overhead applications to overhead interior areas of structures, cover surfaces below with plastic sheeting or similar materials (except where exempt).

Wear protective clothing, unvented goggles, gloves and respirator, when applying to overhead areas or in poorly ventilated areas. Avoid touching sprayed surfaces until spray has completely dried.

Do not use in food areas of foodhandling establishments, restaurants or other areas where food 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.

Non-food 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 bottling or canning).]

**GENERAL INFORMATION**

Dragnet FT is to be used for residual pest control in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include, but are not limited to, industrial buildings, houses, apartment buildings, laboratories, buses, greenhouses and the non-food/feed areas of stores, warehouses, vessels, railcars, trucks, trailers, aircraft, schools, nursing homes, hospitals (non-patient areas), restaurants, hotels, and food manufacturing, processing and servicing establishments.

Do not tank mix this product with dichlorvos (DDVP) containing products. Can be tank-mixed with Insect Growth Regulators (IGR's) or pyrethrin-containing products. When mixing Dragnet FT with other products, observe all precautions and limitations on the labels of each product. To prepare the emulsion, dilute Dragnet FT with water only. To prepare a 0.50% emulsion, mix 1.6 oz. (50 ml) in 1 gallon of water.

Dragnet FT is an emulsifiable concentrate to be diluted with water and used to control pests in and around homes and other structures. The pests controlled are listed in the accompanying tables.

Dragnet FT may be used as a broadcast or spot application to carpeting, wood, home or residential lawns only and soil (crawl space and perimeter) and as a crack and crevice, injection, or paint-on treatment. Crawlspace are considered inside the structure. Consult tables for specific use instructions.

{Attention:

Use only in well ventilated areas. During indoor surface application, do not allow dripping or run-off to occur.

During any application to overhead interior areas of structures, cover surfaces below with plastic sheeting or similar material (except where exempt).

Do not allow spray to contact food, foodstuffs, food contacting surfaces, food utensils or water supplies. Do not treat areas where food is exposed.

Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product.)Move to back [Remove pets and cover fish bowls (tanks) before spraying.

Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm. 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.}Move to back

[Do not apply to pets, crops, firewood or sources of electricity.  
Do not allow people or pets on treated surfaces until the spray has  
dried.  
Do not use concentrate or emulsion in fogging equipment.]

#### BROADCAST TREATMENT OF WOOD FOR THE CONTROL OF WOOD-INFESTING INSECTS AND NUISANCE PESTS OUTSIDE OF STRUCTURE

Apply a 0.5% emulsion with a fan spray using a maximum of 25 psi.  
Treatment should be made just to the point of run-off.

To control wood-infesting insects active inside trees, utility poles  
and/or fence posts, drill to find the interior infested cavity and  
inject a 0.5% emulsion. To control bees, wasps, hornets, and  
yellow-jackets, apply in 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.

#### PESTS UNDER SLABS

Infestations of Arthropods, such as ants, cockroaches and scorpions  
inhabiting under slab area may be controlled by drilling and injecting  
or horizontal rodding and then injecting 1 gallon of a 0.5% to 1%  
emulsion per 10 square feet or 2 gallons of emulsion per 10 linear  
feet.

#### PEST CONTROL IN CRAWLSPACES

Broadcast Dagnet FT at 0.5% to all surfaces in crawlspace to control  
ants, fleas, roaches, scorpions, or other arthropods. Product may also  
be applied through under structure insecticidal delivery systems such  
as piping or flexible tubing mounted under the structure.  
This treatment is not intended as a substitute for termite control.  
Treat surfaces to point of run-off. Keep children and pets off surface  
until dry.

#### PEST CONTROL ON OUTSIDE SURFACES AND AROUND BUILDINGS

Apply Dagnet<sup>R</sup> FT using a 0.5% emulsion as a residual spray to outside  
surfaces of buildings including, but not limited to, exterior siding,  
foundations, porches, window frames, eaves, patios, garages, refuse  
dumps, residential lawns only such as grass areas adjacent or around  
private homes, duplexes, townhouses, condominiums, house trailers,  
apartment complexes, carports, garages, fence lines, storage sheds,  
barns, and other residential and non-commercial structures, soil,  
trunks of woody ornamentals and other areas where pests congregate or  
have been seen. Repeat treatment as necessary to maintain  
effectiveness.

Perimeter Treatment: Apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2 to 3 feet. Use a spray volume of 2 to 10 gallons of emulsion per 1000 square feet. Higher volumes of water may be needed if mulch or leaf litter is present or foliage is dense. House siding may be treated if pests such as Gypsy moth adults and caterpillars, boxelder bugs, elm leaf beetles, earwigs or silverfish are present.

## PEST

Ants  
 Ant Mounds 1  
**Armyworm**  
 Fire Ants  
 Bees  
 Carpenter Bees  
 Bark Beetles 3  
 Borers 3  
 Boxelder Bugs 2  
 Centipedes  
 Cockroaches  
 Asian  
     Cockroaches  
 Crickets  
 Mole Crickets  
 Earwigs  
 Elm Leaf Beetles 2  
 Firebrats  
 Fleas 4  
 Ground Beetles  
 Gypsy Moths  
     (adults &  
     Caterpillars)2  
 Millipedes  
 Scorpions  
 Silverfish  
 Sowbugs  
 Spiders  
 Wasps  
 Ticks 4  
 Flies  
 Carpenter Ants  
 Chinchbugs 4  
 Pill Bugs  
**Sod Webworm**

## SPECIFIC INSTRUCTIONS

Apply as a pinstream, as a fine/course, low pressure spray (20 psi or less), as a spot treatment or with a paintbrush. Treat where pests are found or entry points of the structure such as window and door frames and along the foundation.

1 Drench Method: Apply 1-2 gallons of emulsion to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12". For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day.

2 Boxelder Bugs, Elm Leaf Beetles, Gypsy Moth Caterpillars: Spray tree trunks, building siding or wherever pest congregate, to the point of run-off.

3 Borers and Bark Beetles: To prevent infestation of trees and woody ornaments, spray the bark to the point of run-off.

4 Fleas: Mix 1.6-3.2 oz. of Dragnet FT in 16 to 100 gallons of water and apply to 4000 square feet of lawn. Use the lower rate to knock down existing fleas and the higher rate where faster knockdown or greater residual is desired. For example:

Lawn	Sq. Ft.	Oz. of DragnetRFT	Gals of Water
Small	2,000	0.8 to 1.6	8 to 50
	4,000	1.6 to 3.2	16 to 100
Medium	6,000	2.4 to 4.8	24 to 150
Large	12,000	4.8 to 9.6	48 to 300
1 Acre	44,000	17.0 to 34.0	176 to 1,100

Lawn should not be longer than 3 inches at the time of application. Repeat application if necessary. Application in combination with compatible surfactants may enhance penetration. Arid climates generally require the higher volumes.

**PEST CONTROL INDOORS**

**Food Handling Establishments:** Places other than private residences in which food is held, processed, prepared or served.

**Non-Food Areas:** Includes garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, garages, mop closets, and storage (after canning or bottling). All areas where insects hide or through which insects may enter should be treated.

**Food Areas:** Dragnet FT is not labeled for use in food areas. Do not use in food areas of foodhandling establishments, restaurants or other areas where food is 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, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed. Not for use in USDA Meat and Poultry Plants.

Use Dragnet FT to control pests listed in the following table by application of a 0.50% emulsion.

PEST	SPECIFIC INSTRUCTIONS
Fleas	<p>Prior to treatment, carpets and furniture should be vacuumed thoroughly and vacuum cleaner bag discarded in an outdoor trash container. Evenly apply a broadcast spray at a rate of 1 gallon/per 800 to 1600 square feet to infested areas such as crawlspaces, rugs, carpets, pet beds and other pet resting areas. Avoid wetting or soaking. For crawlspace applications, the applicator must wear a respirator recommended by NIOSH for filtering spray mists and organic vapors. When treating upholstered furniture take care to treat between and under cushions. Pay particular attention to areas which are frequented by pets. Old pet bedding should be replaced with clean, fresh bedding after treatment. To control the source of flea infestations, pets inhabiting the treated premises should be treated with a flea-control product registered for application to animals.</p>

## PEST

## SPECIFIC INSTRUCTIONS

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Centipedes	<p>Apply crack and crevice, as a pinstream, as a fine/coarse, low pressure spray (20 psi or less), spot application or with a paint brush. Treat where pests are found or normally occur, such as crack and crevices in walls, in and around kitchen cabinets and drawers, along baseboards, behind sinks and around plumbing and other utility installations.</p> <p>* Ant infested wood may be drilled and injected with Dagnet FT.</p> <p>** Remove all utensils, uncovered foodstuffs (or any having original package opened), shelf paper and other objects before spraying. Allow treated surfaces to dry and cover shelves with clean paper before replacing any utensils, foodstuff or other items. Any foodstuff accidentally contaminated with spray solution should be discarded.</p>
Ants	
Carpenter Ants *	
Fire Ants	
Bat Bugs	
Bed Bugs	
Bees and Wasps	
Carpenter Bees	
Boxelder Bugs	
Cockroaches	
Asian Cockroaches	
Crickets	
Flies - such as Drain, Cluster, House	
Earwigs	
Firebrats	
Ground Beetles	
Leaf Beetles	
Millipedes	
Pantry Pests ** Such as: Flour Beetles, Indian Meal Moths Larder Beetles	
Pillbugs	
Scorpions	
Silverfish	
Sowbugs	
Spiders	
Carpet Beetles	<p>For the control of carpet beetles, evenly apply the spray to rugs, carpets, along baseboards and edges of carpeting, under carpeting, rugs and furniture, in closets, on shelving, and wherever else these insects are seen or suspected. Avoid wetting or soaking.</p>
Brown Dog Ticks`	<p>For the control of Brown Dog Ticks, evenly apply the spray to infested areas, such as pet beds and resting quarters, nearby cracks and crevices, along baseboards, windows and doorframes, and areas of floor and floor coverings where these pests may be present. Avoid wetting or soaking. Old bedding should be removed and replaced with clean, fresh bedding after treatment.</p>

**ATTENTION:**

Do not apply to pets, crops, [firewood] or sources of electricity.

Do not allow people or pets on treated surfaces, such as carpets until the spray has dried.

Do not use concentrate or emulsion in fogging equipment.

Firewood is not to be treated.

Use only in well ventilated areas.

During any application to overhead areas of structure, cover surfaces below with plastic sheeting or similar material (except where exempt).

Do not allow spray to contact food, foodstuffs, food contacting surfaces, food utensils or water supplies.

Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product.

Do not treat areas where food is exposed.

During indoor surface applications do not allow dripping or run-off to occur.

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

Do not apply when occupants are present in the immediate area in institutions such as libraries, sport facilities, etc.

Do not apply to classrooms when in use.

Do not touch treated surface until dry.

When applying Dragnet FT in a confined area, the user should wear unvented goggles and a respirator approved by the Mine Safety and Health Administration during application.

**Dealers Should Sell in Original Packages Only**

**Terms of Sale or Use:** On purchase of this product buyer and user agree to the following conditions:

**Warranty:** FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling, and/or storage is contrary to label instructions.

**Use of Product:** FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or 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.

**Damages:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

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