

2025-1023

2025-03-24

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2025-03-24

2ROUP

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INSECTICIDE

Container Label

**DRAGNET FT**

Emulsifiable Concentrate Insecticide

COMMERCIAL

**FOR USE ONLY BY LICENSED PEST CONTROL OPERATORS**

REGISTRATION NO. 24175 PEST CONTROL PRODUCTS ACT

CANADIAN PATENT NO: 1,008,455

ACTIVE INGREDIENT: Permethrin ... 384 g/L

Store above 5°C

READ THE LABEL AND BOOKLET BEFORE USING

(See the First Aid and Precaution statements on rear panel)

KEEP OUT OF REACH OF CHILDREN

CAUTION



POISON

NET CONTENTS: 1 L (4 L)

2022 Environmental  
Science CA Inc. 137  
Glasgow Street, Suite  
210, Unit 111, Kitchener,  
Ontario,  
N2G 4X8

1-800-331-2867

Dragnet FT EC Insecticide is to be used for residual control or to kill pests listed under each of the sites

- A. Inside Buildings and Non-passenger Areas in Modes of Transportation Vehicles;
- B. Outdoor Treatments on the Exterior Surfaces and Perimeter of Buildings and Porches, Patios and Decks;
- C. Treating Wooden Structures;
- D. Listed General Outdoor Uses Around Buildings;
- E. Ornamentals, Fruit Trees and Vegetables in Residential Areas; and
- F. Termite Control (Restricted Use).

## PRECAUTIONS

- KEEP OUT OF REACH OF CHILDREN.
- Do not leave mixing tank or hoses containing Dragnet FT EC Insecticide unattended during mixing or treatment.
- Do not use, pour, spill, or store near heat or open flame.
- Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

## PERSONAL PROTECTIVE EQUIPMENT

- **Handheld mistblowers** (i.e. equipment which delivers a spray with a volume median diameter (VMD) of 50-100 µm): Wear chemical-resistant coveralls with a chemical-resistant hood over long pants, long-sleeved shirt, chemical-resistant gloves, socks, chemical-resistant footwear, protective eyewear (goggles or face shield) and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides during mixing, loading, application, clean-up and repair.
- **Mechanically pressurized handgun application equipment:** Wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes, protective eyewear (goggles or face shield) and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides during mixing, loading, application, clean-up and repair.
- **For all other application equipment, including manually pressurized handwand sprayers:** Wear long pants, long-sleeved shirt, chemical-resistant gloves, shoes, socks, protective eyewear (goggles or face shield) and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides during mixing, loading, application, clean-up and repair.

## ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms. Toxic to birds.

Toxic to bees. Bees may be exposed through direct spray, spray drift, and residues on/in leaves, pollen and nectar in flowering crops and weeds. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. Avoid applications when bees are foraging in the treatment area in ground cover containing blooming weeds. To further minimize exposure to pollinators, refer to the complete guidance "*Protecting Pollinators during Pesticide Spraying – Best Management Practices*" on the Health Canada website ([www.healthcanada.gc.ca/pollinators](http://www.healthcanada.gc.ca/pollinators)). Follow crop specific directions for application timing.

For apples, peaches, nectarines, plums and pears, do not apply during the crop blooming period.

For applications on all other crops, avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.

Toxic to certain beneficial insects (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland. Permethrin may impact predatory and parasitic arthropod species used in IPM programs within the treatment area. Unsprayed refugia for beneficial species of at least 1 metre from treatment area will help maintain beneficial arthropod populations.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast.

## FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Call a physician or poison control centre immediately.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**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 eye. Call a poison control centre or doctor for treatment advice.

FOR MEDICAL EMERGENCY ASSISTANCE CALL: 1-800-424-9300

### TOXICOLOGICAL INFORMATION

This product contains petroleum distillate. Vomiting may cause aspiration pneumonia. Skin exposure may cause transient sensations (tingling, burning, itching, numbness). Treat symptomatically.

### STORAGE

Store this product away from food or feed. Store at temperatures above 5°C (40°F). If separation occurs, and less than entire contents of container are to be used, allow to warm to 13°C (55°F) by room heating only and shake well to make uniform. If crystals form, warm to room temperature [21°C (70°F)] 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 2022 Environmental Science CA at 1-800-424-9300 and the Provincial/Territorial Regulatory Agency.

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

### DISPOSAL

Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial/territorial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial/territorial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

### NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

Dragnet® is a registered trademark of 2022 Environmental Science CA

GROUP	<b>3</b>	INSECTICIDE
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Booklet

**DRAGNET FT**  
Emulsifiable Concentrate Insecticide

COMMERCIAL

**For Use Only By Licensed Pest Control Operators**

REGISTRATION NO. 24175 PEST CONTROL PRODUCTS ACT  
CANADIAN PATENT NO: 1,008,455

ACTIVE INGREDIENT: Permethrin ... 384 g/L  
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Science CA Inc. 137  
Glasgow Street, Suite  
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- A. Inside Buildings and Non-passenger Areas in Modes of Transportation Vehicles;
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## PRECAUTIONS

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- Do not leave mixing tank or hoses containing unattended during mixing or treatment.
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### MIXING INSTRUCTIONS

NOTE: "Tip and Pour" bottle measurement accuracy must be validated with a graduated cylinder on first use.

1. To prepare the emulsion, dilute Dragnet FT EC Insecticide with water only.
2. To make small volumes of a 0.5% emulsion, mix 50 mL of Dragnet FT EC Insecticide in 4 litres of water or 100 mL to achieve a 1.0% concentration.
3. To make larger volumes of a 0.5% emulsion, mix 12.5 litres of Dragnet FT EC Insecticide with 1000 litres of water or 25 litres to achieve a 1.0% concentration.

DO NOT TANK MIX THIS PRODUCT WITH ANY OTHER PRODUCT.

### DIRECTIONS FOR USE

#### General Information:

Dragnet FT EC Insecticide contains permethrin, which is a synthetic pyrethroid. It controls a broad spectrum of pests that are listed in the accompanying sections of this label. Permethrin provides rapid knockdown of listed insect pests. Although the synthetic process has increased the stability of permethrin giving it residual properties, it is still degraded by the ultraviolet rays of the sun. This results in a relatively short residual life in the presence of sunlight; however, when protected from the sun, permethrin (Dragnet FT EC Insecticide) will provide residual activity against listed insects except

ticks and fleas . Within the specified use location, to enhance effectiveness of this product, apply this product directly to the listed pest where possible.

Dragnet FT EC Insecticide is to be used for residual control or to kill listed insect pests for:

- A. Inside Buildings and Modes of Transport;
- B. Outdoor Treatments on the Exterior Surfaces and Perimeter of Buildings and Porches, Patios and Decks;
- C. Treating Wooden Structures Indoors or Outdoors;
- D. Listed General Outdoor Uses Around Buildings;
- E. Ornamentals, Fruit Trees and Vegetables in Residential Areas; and
- F. Termite Control (Restricted Use).

SHAKE WELL BEFORE USING

**Restrictions:**

- As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.
- DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
- To protect pollinators, follow the instructions regarding bees in the Environmental Precautions section.
- DO NOT tank mix this product with any other product.
- DO NOT apply undiluted.
- Dilute Dragnet FT EC Insecticide with clean water only.
- DO NOT apply to people, pets, livestock or sources of electricity.
- DO NOT apply when people, pets, or livestock are present.
- Unless otherwise stated on this label, DO NOT allow people, pets or livestock to enter treated areas until the sprays have dried.
- DO NOT allow spray to drip or allow drift onto non-target surfaces.
- DO NOT use, pour, spill, or store near heat or open flame.
- Unless otherwise stated on this label, DO NOT apply to furniture, mattresses, linens, toys or clothing.
- When applying to overhead areas or in confined spaces, wear appropriate respiratory and eye protection.
- In indoor areas, ventilate treated areas after application either by opening windows and doors or using fans, where required, to aid in the circulation of air. Air exchange/ventilation systems confirmed to be operational may also be used
- DO NOT apply DRAGNET FT EC Insecticide using any type of fogging or aerosol equipment (i.e. equipment which delivers a spray with a volume median diameter (VMD) of 50 µm or less).
- DO NOT apply by airblast or field sprayers.
- Apply by hand-held equipment only.
- For structural applications, use a coarse droplet size and low pressure spray not exceeding 345 kPa (50 psi) to avoid splashing onto non-target surfaces unless otherwise stated on this label.
- DO NOT apply by air.
- DO NOT apply as a space spray.
- DO NOT store near feed or foodstuffs.
- Do not plant food crops in soil adjacent to building where there has been a Dragnet FT application.
- DO NOT contaminate food/feed. DO NOT spray food/feed or food/feed packages. DO NOT apply when a food/feed processing facility is in operation. Remove or cover all food/feed. Remove or cover all food/feed processing surfaces, equipment and utensils or thoroughly wash them following treatment. Any food/feed accidentally contaminated with spray solution must be discarded.
- Where multiple applications are allowed, treatment must only be repeated if pest problem persists or reoccurs. DO NOT exceed the application rate and number applications per year for each use. Follow the re-application interval for each use.

**A. INSTRUCTIONS FOR USE INSIDE BUILDINGS AND NON-PASSENGER AREAS IN MODES OF TRANSPORTION VEHICLES (E.G., AIRCRAFTS, SHIPS, TRAINS AND TRUCKS)**

**Use Locations:** Inside buildings including food/feed handling establishments\* and non-passenger areas in modes of transportation (e.g., Aircrafts, Ships, Trains and Trucks).

\*Food/Feed Handling Establishments: Places other than private residences in which food/feed is held, processed, prepared or served. Non-Food/Feed Areas of food/feed handling establishments includes garbage rooms, lavatories, floor drains to sewers, entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage for canned, bottled or package products. Food/Feed Areas of food/feed handling establishments include: areas of receiving; serving; storing of dry, cold, frozen or raw foods/feed; packaging such as canning, bottling, wrapping and boxing; preparing such as cleaning, slicing, cooking and grinding; storing edible waste and enclosed processing systems such as mills, dairies, edible oils and syrups.

**How to Apply Inside Buildings and Non-passenger Areas in Modes of Transportation Vehicles (e.g., Aircrafts, Ships, Trains and Trucks):** DO NOT APPLY AS A SPACE SPRAY. APPLY AS AN INDOOR PERIMETER, SPOT, CRACK AND CREVICE OR VOID TREATMENT. INDOOR BROADCAST TREATMENTS ARE PERMITTED IN NON-FOOD/NON-FEED HANDLING ESTABLISHMENTS\* AND NON-RESIDENTIAL\*\* BUILDINGS ONLY. These methods can be used on indoor building surfaces or non-passenger modes of transport surfaces, including baseboards; dark corners of rooms and closets; walls and floors behind and beneath appliances (e.g., stoves, refrigerators) and cabinets and around sinks, garbage cans, plumbing and other utility installations (excluding electricity) and where these pests may enter such as along door and window sills. Within the specified use location, to enhance effectiveness of this product, apply this product directly to the listed pest where possible.

Indoor Perimeter: Indoor perimeter application is less than 0.3 m wide along the edges of a room to baseboards, wall-floor and ceiling-wall joints, and around doorways or windows.

Spot Treatment: Spot application is localized to a surface area not more than 0.2 m<sup>2</sup>. Spots are not to be adjoining. The combined area of spots is not to exceed 10% of the total surface area of a room.

Crack and Crevice: Crack and crevice is an application directly into narrow openings on the surface of the structure. It does not include the treatment of exposed surfaces. Narrow openings typically occur at expansion joints, utility entry points (excluding sources of electricity or heat) and along baseboards and mouldings. Sprayer nozzles capable of delivering a pin stream should be used in points between different elements of construction and between equipment and floors.

Void: Void application applies to inaccessible, enclosed empty spaces of a structure or equipment legs. For example, hollow walls and suspended ceilings. Care should be taken to avoid the pesticide exiting the void. Any residue deposits on non-target surfaces must be removed by the applicator. Sprayer nozzles capable of delivering a pin stream should be used for openings leading to hollow spaces in walls and hollow spaces in equipment legs.

Indoor Broadcast (Permitted only in non-food/non-feed handling establishments\* and non-residential\*\* structures): DO NOT apply indoors in food/feed handling establishments\* and in residential areas\*\* as a broadcast application. Indoor broadcast application in non-food/non-feed handling establishments\* and in non-residential\*\* buildings is to broad expanses of indoor structural surfaces, such as walls, floors, ceilings and indoor foundation walls/crawlspace.

\*\*Residential areas are defined as any use site where the general public, including children, could be exposed during or after application. For structural uses, in residential sites, this includes homes, schools, restaurants, public buildings, modes of transport in areas where passengers are present, or any other areas where the general public including children may potentially be exposed.

Wood Injection (Carpenter ants only): Ant infested wood may be drilled and injected with 0.5% (25 mL product/2 L of water) solution a Dagnet FT EC Insecticide sufficient to fill cavity.

**Additional Restrictions Relevant To Use Inside Buildings and Non-passenger Areas in Modes of Transportation Vehicles (e.g., Aircrafts, Ships, Trains and Trucks):**

- DO NOT apply this product in nurseries, patient rooms or rooms for the infirm.

- **In livestock facilities:** DO NOT reapply this product for at least 14 days. Treatment must only be repeated after 14 days if pest problem persists or reoccurs. Livestock returned to treated areas cannot be slaughtered for a minimum of 7 days after the treatment was applied to the livestock facility. DO NOT exceed 12 applications per year

**Additional Instructions For Pests Controlled Inside Buildings and Non-passenger Areas in Modes of Transportation Vehicles (e.g., Aircrafts, Ships, Trains and Trucks):**

Pest	Location of Use	Application Method (See How to Apply for Further Information)	Concentration	Maximum Rate of Diluted Product	Minimum Reapplication Interval	Notes for specific pests:
Ants	Buildings (any type) and Non-passenger areas in Modes of Transportation	Indoor Perimeter, Spot, Crack and Crevice, Void  Broadcast (Non-residential areas only)	<u>0.5%(as ai):</u> 25 mL product/ 2 L of water	10 mL of diluted product/m <sup>2</sup> (Indoor Perimeter, Spot, Crack and Crevice, Void) 20 mL of diluted product/m <sup>2</sup> (Broadcast)	7 days  In livestock facilities: 14 days	Apply to ant trails, around doors and windows, and wherever else these pests may find entrance into the building.
Bed Bugs						DO NOT apply to furniture, mattresses, linens, pet bedding, toys or clothing.
Bees						For nest control, apply in late evening when insects are at rest. Aim spray at nest openings or in cracks and crevices, which may harbour nests. Saturate nest openings, contacting as many insects as possible.
Ticks (kills)						Apply to indoor building surfaces, including cracks and crevices in walls and floors, along and behind baseboards, window and door frames, and localized areas of floor and floor coverings. Pet bedding may be entirely treated with this product or replaced with clean, fresh bedding after other listed areas are treated.
						DO NOT SPRAY PETS WITH THIS PRODUCT. Only treat pets with products specifically registered for use on that type of pet. For effective flea and tick control indoors, clean any area used by the pet. Cleaning the areas includes vacuuming floors, carpets, furniture, etc. (discard vacuum bag after use) and washing the pet's bedding, living quarters, and surrounding area. DO NOT apply to furniture, mattresses, linens, toys or clothing.
						Ant infested wood may be drilled and injected with Dragnet FT EC Insecticide.
Carpenter Ants						
Carpet Beetles						

Pest	Location of Use	Application Method (See How to Apply for Further Information)	Concentration	Maximum Rate of Diluted Product	Minimum Reapplication Interval	Notes for specific pests:
Cockroaches						
Crickets						
Earwigs						
Firebrats						
Fleas (kills)						Apply to indoor building surfaces, including cracks and crevices in walls and floors, along and behind baseboards, window and door frames, and localized areas of floor and floor coverings. Pet bedding may be entirely treated with this product or replaced with clean, fresh bedding after other listed areas are treated.  DO NOT SPRAY PETS WITH THIS PRODUCT. Only treat pets with products specifically registered for use on that type of pet. For effective flea and tick control indoors, clean any area used by the pet. Cleaning the areas includes vacuuming floors, carpets, furniture, etc. (discard vacuum bag after use) and washing the pet's bedding, living quarters, and surrounding area. DO NOT apply to furniture, mattresses, linens, toys or clothing.
House Flies						
Indian Meal Moth						
Silverfish						
Spiders						
Wasps, including yellowjackets and hornets						For nest control, apply in late evening when insects are at rest. Aim spray at nest openings or in cracks and crevices, which may harbour nests. Saturate nest openings, contacting as many insects as possible.
House Fly	Non-Food Areas of Dairies	Broadcast	<u>0.2%</u> (as a.i.); 25 mL product/ 5 L of water	5 L of diluted product per 100 m <sup>2</sup> of surface	14 days	Apply only when not in operation. Thoroughly clean all equipment before resuming operations. In dairies, apply only when not in operation. Thoroughly clean all milking equipment before resuming operation.
House Fly, Stable Fly	Beef Barns, Dairy	Broadcast	<u>0.2%</u> (as a.i.); 25 mL product/ 5 L of water	5 L of diluted product per 100 m <sup>2</sup> of surface	14 days	DO NOT exceed 12 applications per year.

Pest	Location of Use	Application Method (See How to Apply for Further Information)	Concentration	Maximum Rate of Diluted Product	Minimum Reapplication Interval	Notes for specific pests:
	Barns, Poultry Houses, Stables, Indoor Feedlots					DO NOT apply to animals (including poultry). Livestock returned to treated areas cannot be slaughtered for a minimum of 7 days after the treatment was applied to the livestock facility.

**B. INSTRUCTIONS FOR OUTDOOR TREATMENTS ON THE EXTERIOR SURFACES\*\*\* AND PERIMETER OF BUILDINGS AND PORCHES, PATIOS AND DECKS**

\*\*\*Outdoors on the exterior surfaces of buildings includes but is not limited to exterior siding, foundations, window frames and eavestroughs.

Vinyl and Aluminum Siding, and Composite Building Materials: The application of Dragnet FT EC Insecticide to vinyl or aluminum siding, or composite building materials (particularly lightly colored, aged, weathered or otherwise damaged) may result in staining, bleaching or discoloration. Factors such as extreme heat and direct sunlight can promote damage when using emulsifiable concentrates. Before applying Dragnet FT EC Insecticide to vinyl or aluminum siding, or composite building materials, treat a small area and evaluate 30 minutes later to allow any potential staining to occur. Regardless of the test results, do not apply to vinyl or aluminum siding, or composite building materials while exposed to direct sunlight or during the heat of the day.

**How to Apply For Outdoor Treatments on the Exterior Surfaces\*\*\* and Perimeter of Buildings and Porches, Patios and Decks:** APPLY AS AN OUTDOOR PERIMETER OR SPOT TREATMENT ONLY. OUTDOOR BROADCAST TREATMENTS ARE PERMITTED FOR CLUSTER FLIES ONLY.

Outdoor Perimeter: Outdoor perimeter application is 1 m or less out from the building’s foundation and to a maximum height of 1 m starting at where the foundation meets the ground. In areas where mulch or leaf litter or dense foliage is present, the highest rate of diluted product permitted for this use may be needed to achieve thorough coverage.

Spot Application: Spot application is localized to a surface area not more than 0.2 m<sup>2</sup>. Spots are not to be adjoining. The combined area of spots is not to exceed 10% of the total surface area treated. Apply as a pin-stream or spray with a coarse droplet size and low-pressure spray not exceeding 345 kilopascals (50 psi) or with a paintbrush to avoid splashing onto non-target surfaces. Treat where pests are found on the surface of the building, porch, patio or deck or at entry points of the building such as window frames or doorframes.

Void: Void application applies to inaccessible, enclosed empty spaces of a structure. Care should be taken to avoid the pesticide exiting the void. Any residue deposits on non-target surfaces must be removed by the applicator.

Outdoor Structural Broadcast (Cluster flies only): Outdoor broadcast application is to large outdoor structural surfaces (i.e. roofs, walls, doors, windows and foundations).

**Additional Instructions For Pests Controlled Outdoors on the Exterior Surfaces\*\*\* and Perimeter of Buildings and Porches, Patios and Decks:**

Pest	Application Method (See How to Apply for Further Information)	Concentration	Maximum Rate of Diluted Product	Minimum Reapplication Interval	Notes for specific pests:
Ants	Outdoor Perimeter, Spot, Void	0.5% (as a.i.): 25 mL product/ 2 L of water	10 L of diluted product 100 m <sup>2</sup>	14 days	
Bees					For nest control, apply in late evening when insects are at rest. Aim spray at nest openings or in cracks and crevices which may harbour nests. Saturate nest openings, contacting as many insects

					as possible. This includes treatment of nests found in the voids of structures.
Carpenter Ants					
Cockroaches					
Crickets					
Earwigs					
Firebrats					
Fleas					
Spongy moths (adults and larvae)					Spongy Moth Caterpillars: Spray directly onto spongy moth caterpillars found on exterior surfaces of buildings or porches, patios and decks.
House flies					
Silverfish					
Spiders					
Ticks (kills)					
Wasps, including yellowjackets and hornets					For nest control, apply in late evening when insects are at rest. Aim spray at nest openings or in cracks and crevices, which may harbour nests. Saturate nest openings, contacting as many insects as possible. This includes treatment of nests found in the voids of structures.
Cluster flies	Outdoor Perimeter, Spot, and Outdoor Structural Broadcast	0.5% (as a.i.): 130 mL product/10 L of water	Not to exceed 10 L of diluted spray per 100 m <sup>2</sup>	14 days	Cluster flies are members of the Order (Diptera) and resemble house flies. They are distinguished by their sluggish and erratic behaviour and by wings that overlap when at rest. They derive their name from their habit of entering a building in the fall and clustering together to overwinter. The search for protected places to overwinter begins as days shorten in mid-August. Warm sunny walls draw the flies as the climate cools during this search. This offers an opportunity to control the fly population outside the building. Spray this mixture to the exterior walls including under the eaves, soffits and window trim. The effective time of application is between mid-August and the end of September depending on weather conditions.

**C. INSTRUCTIONS FOR TREATING OUTDOOR WOODEN STRUCTURES**

**How to apply to outdoor wooden structures:**

Spot Application: Spot application is localized to a surface area not more than 0.2 m<sup>2</sup>. Spots are not to be adjoining. The combined area of spots is not to exceed 10% of the total surface area treated.

Void: Void application applies to inaccessible, enclosed empty spaces of a structure. For example, hollow walls and suspended ceilings. Care should be taken to avoid the pesticide exiting the void. Any residue deposits on non-target surfaces must be removed by the applicator.

Outdoor Structural Broadcast (Outside surfaces of wooden structures only): Outdoor broadcast application is to large outdoor structural surfaces. Broadcast with a fan spray using a maximum pressure of 170 kilopascals.

Sub-surface injection and Trench (Installed posts, poles and other wooden constructions only): 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.

**Additional Restrictions Relevant To Treating Outdoor Wooden Structures:**

- DO NOT apply to firewood.

**Additional Instructions For Pests Controlled When Treating Outdoor Wooden Structures:**

Location	Pest	Application Method	Concentration	Maximum Rate of Diluted Product	Minimum Reapplication Interval	Instructions:
Inside infested outdoor wooden structures	Carpenter ants	Spot, Void	<u>0.5% (as a.i.):</u> 25 mL product/ 2 L of water	10 L of diluted spray per 100 m <sup>2</sup>	14 days	<p>This type of application is not intended to be a substitute for soil treatment, mechanical alteration or fumigation to control extensive infestation of the listed insects.</p> <p>Apply to voids and insect 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.</p> <p>Plastic sheeting must be placed immediately below overhead areas that are spot treated except for soil surfaces in crawlspaces.</p> <p>Application may be made to inaccessible areas by drilling, and then injecting emulsion with a pinstream nozzle into the damaged wood or void space.</p>
	Wood-infesting beetles, including old house borer and powder post					
Installed posts, poles and other wooden constructions (e.g., signs, fences, landscape ornamentation)	Carpenter ants	Soil barrier treatment by sub-surface injection or trench	<u>0.5 to 1% (as a.i.):</u> 25-50 mL product/2 L of water	15 litres per 3 linear metres per 30 cm of depth	14 days	<p>Create an insecticidal barrier in the soil around wooden constructions.</p> <p>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. Apply to a depth of 15 cm below the bottom of the wood. For larger constructions, use 15 litres per 3 linear metres per 30 cm of depth.</p>
Utility poles and fence posts	Carpenter ants, Wood-infesting beetles, including old house borer and powder post	Void	<u>0.5% (as a.i.):</u> 25 mL product/ 2 L of water	10 L of diluted spray per 100 m <sup>2</sup>	14 days	Drill to find the interior infested cavity and inject a 0.5% emulsion.
Outside surfaces of wooden structures	Carpenter ants Wood-infesting beetles, including old house borer and powder post	<u>Outdoor Structural Broadcast</u>	<u>0.5% (as a.i.):</u> 25 mL product/ 2 L of water	10 L of diluted spray per 100 m <sup>2</sup>	14 days	Use a fan spray using a maximum pressure of 170 kilopascals.

**D. INSTRUCTIONS FOR LISTED GENERAL OUTDOOR USES AROUND BUILDINGS**

**Restrictions Relevant To General Outdoor Uses Around Buildings:**

- DO NOT apply as a broadcast treatment to lawns or other large areas.
- DO NOT apply DRAGNET FT EC Insecticide using any type of fogging or aerosol equipment (i.e. equipment, which delivers a spray with a volume median diameter (VMD) of 50 µm or less).

**Instructions For Pests Controlled - General Outdoor Uses Around Buildings:**

Location	Pest	Application Method	Concentration	Maximum Rate of Diluted Product	Minimum Reapplication Interval	Instructions:
Below ground and in bushes/trees	Nests of: Bees and Wasps (including	Spray by ground application equipment	<u>0.5% (as a.i.):</u> 25 mL product/ 2 L of water	10 to 40 L of diluted spray per 100 m <sup>2</sup>	14 days	Apply in late evening when insects are at rest. Spray nest openings until saturation, contacting as many insects as possible.

Location	Pest	Application Method	Concentration	Maximum Rate of Diluted Product	Minimum Reapplication Interval	Instructions:
	hornets and yellowjackets)					
Treatment of shrubs, trees (when edible fruit is not present), evergreens, and ornamental tall grasses found in and along property boundaries of homes and other associated private residential buildings** including sheds, barns, and garages. Not for use around public residential** facilities (e.g., parks).	Adult Mosquito Control	Property Perimeter Spray by ground application equipment	<u>0.5% (as a.i.):</u> 130 mL product / 10 L of water	10 to 40 L of diluted spray per 100 m <sup>2</sup>	7 days	Apply a 1 to 3 m wide band around the perimeter of the property to shrubs, trees, evergreens and tall grass where mosquitoes generally congregate. Apply spray solution until foliage is wet.
		Property Spot Spray by ground application equipment				Spot treat with a spray or mist to areas such as shrubs, trees (when edible fruit is not present), evergreens, and ornamental tall grasses where adult mosquitos congregate and on mosquito resting places. Apply spray solution until foliage is wet.
Refuse dumps, soil, and residential lawns only	Ant Mounds	Drench by ground application equipment	<u>0.5% (as a.i.):</u> 25 mL product/ 2 L of water	4 to 7 L of diluted spray per mound DO NOT exceed 7 L of emulsion per mound.	7 days	Treat each ant mound and a 1 metre diameter circle around the centre of each mound until it is wet. Use the higher rate for mounds larger than 30 cm. For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day.
Outdoor Feedlots	House Fly, Stable Fly	Broadcast	<u>0.2%(as a.i.):</u> 25 mL product/ 5 L of water	5 L of diluted spray per 100 m <sup>2</sup> of surface	14 days	DO NOT exceed 12 applications per year. DO NOT apply to animals (including poultry). Livestock returned to treated areas cannot be slaughtered for a minimum of 7 days after the treatment was applied to the livestock facility.

#### E. INSTRUCTIONS FOR ORNAMENTALS, FRUIT TREES AND VEGETABLES IN RESIDENTIAL AREAS\*

##### Restrictions Relevant To Ornamentals, Fruit Trees and Vegetables in Residential Areas\*:

- DO NOT use in commercial/agricultural crop production.
- DO NOT apply by air. Ground application only.
- DO NOT apply by airblast or field sprayers.
- A plant back interval of 60 days is required for all food/feed crops not currently listed on the label.
- Toxic to bees. DO NOT apply to apples, peaches, nectarines, plums and pears during the crop blooming period. For all other crops, avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging. When using managed bees for pollination services, DO NOT apply during the crop blooming period in all listed crops.

5 mL = 1.0 teaspoon, 15 mL = 1 tablespoon. Mix with water as directed in the table below and apply with a sprayer to give a thorough coverage of plants.

Crop	Pest(s)	Concentration	Maximum Rate of Diluted Product	Timing of Application	Maximum Number of Applications per Year	Minimum Reapplication Interval	Pre-Harvest Interval (PHI)	Notes
<b>ORNAMENTALS:</b> For insect control on trees and shrubs of ornamental value only.								
Coniferous Trees and Shrubs	Douglas Fir Tussock Moth, White-Marked Tussock Moth, Spruce Budworm, Yellow-Headed Spruce Sawfly, Coneworm, Open Feeding Sawflies	0.006%(as a.i.) 1.6 mL of product with 10 L of water.	115 mL/m <sup>2</sup> (0.007 g a.i./m <sup>2</sup> )	Thoroughly apply when first signs of feeding occur.	1	Not applicable	Not applicable	
Deciduous Trees and Shrubs	Spongy Moth, Eastern Tent Caterpillar, Forest Tent Caterpillar, Fall Webworm, Euonymus Webworm, Open Feeding Aphids	0.00875%(as a.i.) 2.3 mL of product with 10 L of water	80 mL/m <sup>2</sup> (0.007 g a.i./m <sup>2</sup> )	Thoroughly apply when insects appear.	1	Not applicable	Not applicable	Toxic to bees. Do not apply during bloom. To test for phytotoxic effects, spray a small, inconspicuous portion of the tree or shrub under test and wait for 24 hours to see if any adverse effects appear.
Tree Trunks and Woody Ornamentals	Spongy Moth Caterpillars, Borers, Bark Beetles	0.5%(as a.i.) Mix 25 mL product/2L of water	1.5 mL/m <sup>2</sup> (0.007 g a.i./m <sup>2</sup> )		1	7 days	Not applicable	Spongy Moth Caterpillars: Spray tree trunks to the point of run-off. Borers and Bark Beetles: To prevent borer infestation of trees and woody ornamentals, spray the bark to the point of run-off.
Outdoor Ornamental Plants	Cutworms	0.01%(as a.i.) Mix 2.5 mL of product with 10 L of water	73 mL/m <sup>2</sup> (0.007 g a.i./m <sup>2</sup> )		1	Not applicable	Not applicable	Toxic to bees. Do not apply during bloom. These insects attack and cut off seedlings, transplants and low-lying plants. To confirm the cause, finger soil around damaged plant looking for a soft, dark-coloured worm in a curled position. Thoroughly spray the plant and underlying ground at the first sign of damage. NOTE: Only cutworms feeding on the soil surface and above will be controlled. Subterranean cutworms will not be controlled unless they come up and move on the treated surface.
<b>FRUIT TREES</b>								

Crop	Pest(s)	Concentration	Maximum Rate of Diluted Product	Timing of Application	Maximum Number of Applications per Year	Minimum Reapplication Interval	Pre-Harvest Interval (PHI)	Notes
Apples	Winter Moth, Eastern Tent Caterpillar, Eye-spotted Bud Moth, Plum Curculio, White Apple Leafhopper	0.0125% (as a.i.) Mix 3.25 mL of product in 10 L of water.	160 mL/m <sup>2</sup> (0.02 g a.i./m <sup>2</sup> ) for the 0.0125% (as a.i.) solution	Apply when insects or damage are first noticed.	1	Not applicable	Do not apply within 7 days of harvest.	Toxic to bees. Do not apply during the crop blooming period.
	Tentiform Leafminer, Green Fruitworm, Apple Maggot, Leafrollers, Tarnish Plantbug, Mullein Bug, Lesser Appleworm, Codling Moth	0.025% (as a.i.) Mix 6.5 mL of product in 10 L of water.	80 mL/m <sup>2</sup> (0.02 g a.i./m <sup>2</sup> ) for the 0.025% (as a.i.) solution.	Apply when insects or damage are first noticed.				
Peaches and nectarines	Oriental Fruit Moth, Plum Curculio, Plant Bugs	0.025% (as a.i.) Mix 6.5 mL of product in 10 L of water.	80 mL/m <sup>2</sup> (0.02 g a.i./m <sup>2</sup> )	Apply when insects or damage are first noticed.	2	14 days	Do not apply within 7 days of harvest.	Toxic to bees. Do not apply during the crop blooming period.
Plums	Plum Curculio	0.025% (as a.i.) Mix 6.5 mL of product in 10 L of water.	80 mL/m <sup>2</sup> (0.02 g a.i./m <sup>2</sup> )	Apply when insects or damage are first noticed.	2	14 days	Do not apply within 7 days of harvest.	Toxic to bees. Do not apply during the crop blooming period.
Grapes	Grape Berry Moth	0.02% (as a.i.) Mix 5.0 mL in 10 L of water.	70 mL/m <sup>2</sup> (0.0138 g a.i./m <sup>2</sup> ) for the 0.02% (as a.i.) solution	Apply when insects or damage are first noticed.	4	7 days	Do not apply less than 21 days before harvest.	Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.
	Grape Leafhopper	0.01% (as a.i.) Mix 2.5 mL of product in 10 L of water.	140 mL/m <sup>2</sup> (0.0138 g a.i./m <sup>2</sup> ) for the 0.01% (as a.i.) solution.	Apply when insects or damage are first noticed.				
Pears (Eastern Canada)	Pear Psylla (nymphs and adults), Codling Moth, Green Fruit Worm	0.025% (as a.i.) Mix 6.5 mL of product in 10 L of water.	170 mL/m <sup>2</sup> (0.0425 g a.i./m <sup>2</sup> )	Apply when insects or damage are first noticed.	2	7 days	7 days for application rates of 0.020 g a.i./m <sup>2</sup> ; 14 days for application rates greater than 0.020 g a.i./m <sup>2</sup>	Toxic to bees. Do not apply during the crop blooming period. DO NOT exceed 0.0425 g a.i./m <sup>2</sup> /year
Pears (British Columbia)	Pre bloom Pear Psylla (over wintering adults)	0.025% (as a.i.) Mix 6.5 mL in 10 L of water.	170 mL/m <sup>2</sup> (0.0425 g a.i./m <sup>2</sup> )	Apply up to 1.0 cm green stage of pear foliage growth.	2	7 days	7 days for application rates of 0.020 g a.i./m <sup>2</sup> ; 14	DO NOT USE in British Columbia for control of nymphal stages of Pear Psylla. Toxic to bees. Do

Crop	Pest(s)	Concentration	Maximum Rate of Diluted Product	Timing of Application	Maximum Number of Applications per Year	Minimum Reapplication Interval	Pre-Harvest Interval (PHI)	Notes
							days for application rates greater than 0.020 g a.i./m <sup>2</sup>	not apply during the crop blooming period. DO NOT exceed 0.0425 g a.i./m <sup>2</sup> /year
<b>VEGETABLES</b>								
Cabbage, Cauliflower, Brussels Sprouts	Imported Cabbageworm, Cabbage Looper, Diamondback Moth Larvae and Crucifer Flea Beetle	0.006% (as a.i.) Mix 1.6 mL of product with 10 L of water.	245 mL/m <sup>2</sup> (0.015 g a.i./m <sup>2</sup> )	Apply when insects or damage are first noticed.	4	7 days	Do not spray cabbage, cauliflower and Brussels sprouts within 3 days of harvest.	Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period (pollen shed), restrict applications to evening when most bees are not foraging. DO NOT exceed 0.03 g a.i./ m <sup>2</sup> /year
Broccoli	Imported Cabbageworm, Cabbage Looper, Diamondback Moth Larvae and Crucifer Flea Beetle	0.006% (as a.i.) Mix 1.6 mL of product with 10 L of water.	245 mL/m <sup>2</sup> (0.015 g a.i./m <sup>2</sup> )	Apply when insects or damage are first noticed.	4	7 days	Do not spray Broccoli within 7 days of harvest.	Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period (pollen shed), restrict applications to evening when most bees are not foraging. DO NOT exceed 0.03 g a.i./ m <sup>2</sup> /year
Sweet Corn	European Corn Borer, Corn Earworm and Sap Beetle	0.0125% (as a.i.) Mix 3.25 mL of product with 10 L of water.	115 mL/m <sup>2</sup> (0.0144 g a.i./m <sup>2</sup> )	<u>European Corn Borer:</u> In early plantings, apply when first feeding is seen on the leaves. In later plantings, apply before tassels show and repeat at 5 day intervals until early silk stage. <u>Corn Earworm:</u> When 25% of ears show silk, start spraying and fully cover ears and silk. <u>Sap beetle:</u> Apply when pink spotted beetles appear	4	3 days	Do not treat within 1 day of harvest.	Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period (pollen shed), restrict applications to evening when most bees are not foraging.

Crop	Pest(s)	Concentration	Maximum Rate of Diluted Product	Timing of Application	Maximum Number of Applications per Year	Minimum Reapplication Interval	Pre-Harvest Interval (PHI)	Notes
Peppers	European Corn Borer	0.0125% (as a.i.) Mix 3.25 mL of product with 10 L of water.	120 mL/m <sup>2</sup> (0.015 g a.i./m <sup>2</sup> )	Mix 3.25 mL with 10 L of water and apply if corn borer is noticed on plants (usually end of July to early September).	4	7 days	Do not apply within 1 day of harvest.	Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.  DO NOT exceed 0.03 g a.i./ m2/year
Potatoes	Colorado Potato Beetle, Potato Flea Beetle, Potato Leafhopper, Tarnished Plant Bug and Whiteflies	0.01% (as a.i.) Mix 2.5 mL of product with 10 L of water.	155 mL diluted product/ m <sup>2</sup> (0.015 g a.i./m <sup>2</sup> ) for the 2.5 mL/10 L water rate for the lower rate	Apply when insects or damage are first noticed.	4	7 days	Do not apply within 1 day of harvest.	Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.
	Cutworms	0.01% (as a.i.) Mix 2.5 mL of product with 10 L of water. If soil is organic (muck soil) or very dry, apply 5 mL of product in 10 L of water/.	75 mL diluted product/ m <sup>2</sup> (0.014 g a.i./m <sup>2</sup> ) for the 5 mL/10 L water rate for the higher rate (i.e. the rate in organic or very dry soil).	Apply when insects or damage are first noticed.				These insects attack and cut off seedlings, transplants and low-lying plants. To confirm the cause, finger soil around damaged plant looking for a soft, dark-coloured worm in a curled position. Thoroughly spray the plant and underlying ground at the first sign of damage. NOTE: Only cutworms feeding on the soil surface and above will be controlled. Subterranean cutworms will not be controlled unless they come up and move on the treated surface. Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.
Tomatoes (field)	Colorado Potato Beetle, Potato Flea Beetle, Potato Leafhopper, Tarnished Plant Bug and Whiteflies	0.01% (as a.i.) Mix 2.5 mL of product with 10 L of water.	155 mL diluted product/ m <sup>2</sup> (0.015 g a.i./m <sup>2</sup> ) for the 2.5 mL/10 L water rate for	Apply when insects or damage are first noticed.	5	7 days	Do not apply within 1 day of harvest.	Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.

Crop	Pest(s)	Concentration	Maximum Rate of Diluted Product	Timing of Application	Maximum Number of Applications per Year	Minimum Reapplication Interval	Pre-Harvest Interval (PHI)	Notes
	Cutworms	0.01% (as a.i.)  Mix 2.5 mL of product with 10 L of water. If soil is organic (muck soil) or very dry, apply 5 mL of product in 10 L of water.	the lower rate  75 mL diluted product/m <sup>2</sup> (0.014 g a.i./m <sup>2</sup> ) for the 5 mL/10 L water rate for the higher rate (i.e. the rate in organic or very dry soil).	Apply when insects or damage are first noticed.				These insects attack and cut off seedlings, transplants and low-lying plants. To confirm the cause, finger soil around damaged plant looking for a soft, dark-coloured worm in a curled position. Thoroughly spray the plant and underlying ground at the first sign of damage. NOTE: Only cutworms feeding on the soil surface and above will be controlled. Subterranean cutworms will not be controlled unless they come up and move on the treated surface.  Toxic to bees. Avoid application during the crop blooming period. If applications must be made during the crop blooming period, restrict applications to evening when most bees are not foraging.

## F. TERMITE CONTROL (RESTRICTED USE)

### NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

### NATURE OF RESTRICTION

This product is to be used only by licensed pest control operators authorized with permits by government for control of subterranean termite populations infesting buildings; for use only in areas designated as being termite infested areas. **Not for sale** to the general public.

### RESTRICTED USE

For control or prevention of subterranean Termite infestations in buildings or masonry structures. Dragnet FT EC Insecticide is to be applied as a 0.5 to 1.0 % emulsion in water as a pre-treatment of new construction or as a treatment to existing structures according to the accompanying.

Rates cannot exceed the following:

Injectors – (sub-slab) 50.4 g a.i./m<sup>2</sup>; (rod) 9.6 g a.i./L

Other equipment: 10.08 g a.i./m<sup>3</sup> or 10.08 g a.i./L

### DIRECTIONS FOR USE

Use only as much Dragnet FT EC Insecticide emulsion as necessary to form a continuous barrier against termite invasion. Dragnet FT EC Insecticide can be applied only after proper site preparations, including removal of all wood/soil contact, has been completed. See Site Preparation – New construction and Existing structures below for more details.

Attention must be paid to applicator safety and proper handling procedures of Dragnet FT EC Insecticide. Follow all precautions, personal protective equipment and label directions. Consideration of the design of the structure, water table, soil type, soil compaction, grade condition and location and type of domestic water supplied will determine proper application methods. During and after treatment, clean-up of any spills is mandatory and drill holes must be properly sealed. Refer to the STORAGE AND DISPOSAL section on how to clean up spills.

**Mixing Instructions:** Prior to mixing, inspect mixing tank, pumps, hoses and all fittings to ensure that all sprayer equipment is in good working order and that there are no leaks. See Dilution Instructions section below for volume details to make a 0.5% and 1.0% emulsion. Mix by agitation and maintain gentle continuous agitation during application period. All Dragnet FT EC Insecticide applications are to be made through a vertical rod or sub-slab injector with a pressure from 200 to 350 kilopascals. Do not leave the mixing tank unattended during mixing or application periods.

**Dilution Instructions:**

1. Shake well before using.
2. To prepare the emulsion, dilute Dragnet FT EC Insecticide with water only.
3. To make small volumes of a 0.5% emulsion, mix 50 mL of Dragnet FT EC Insecticide in 4 litres of water or 100 mL to achieve a 1.0% concentration.
4. To make larger volumes of a 0.5% emulsion, mix 12.5 litres of Dragnet FT EC Insecticide with 1000 litres of water or 25 litres to achieve a 1.0% concentration.

**Site Preparation:** Dragnet FT EC Insecticide can control subterranean termites only when applied after proper site preparation.

**New construction:** Remove all wood and cellulose debris from property prior to erecting forms for pouring concrete. After pouring concrete slabs, walls, piers, etc., remove all framework wood from the building site. Do not use backfill containing wood or cellulose. It is important that new construction has a minimum wood-to-soil clearance of 50 cm in order to discourage termite invasion.

**Existing structures:** Replace wood infested and damaged beyond repair and where there is wood/soil contact. Correct conditions leading to abnormally high moisture in and around the structure e.g., grading, eaves troughing, etc. Break wood-soil contact by the following measures:

1. Remove all loose wood and other cellulose debris from property around the structure to be protected.
2. Ensure adequate clearance (50 cm) exists between soil and structural wood or support posts under porches or in crawl spaces. Excavate and pour new concrete piers if necessary. Wooden support posts can be replaced with steel jack posts.
3. Windowsills below grade level require alteration employing a window well to retain soil.
4. Outdoor, wooden stair supports should be severed 10-15 cm above soil level and supported by concrete slabs or blocks.
5. Where wooden siding is used, lower grade to expose a minimum of 15 cm of foundation wall.
6. Repair all cracks or other points of entry for Termites in foundation walls or concrete floors (e.g. expansion jackets, crevices, weeping tiles, utility holes, etc.) with a commercial sealant, preferably concrete.
7. Ventilate soil-surfaced crawlspaces under porches or living areas after application either by opening windows and doors or using fans, where required to aid in the circulation of air. Air exchange/ventilation systems confirmed to be operational may also be used.

**Dragnet FT EC Insecticide Application: Pre-treatment of New Construction:** A 0.5% to 1.0% Dragnet FT EC Insecticide emulsion should be applied to the soil underneath and around concrete slabs, foundations, crawlspaces, piers, etc., so as to provide a continuous chemical barrier against Termite invasion. Up to 1.0% emulsion may be used in critical areas and areas which will be difficult to re-treat. All product is to be applied by rodding. Flooding or percolating hose application is not permissible. Soil crawl spaces must be covered with a plastic vapour barrier after treatment. Ventilate treated areas after application either by opening windows and doors or using fans, where required, to aid in the circulation of air. Air exchange/ventilation systems confirmed to be operational may also be used.

**Slab on ground:** Apply 5 litres emulsion/m<sup>2</sup> under the slab, attached porches and platforms before the concrete is poured, but after any forms are erected. The emulsion should be applied by rodding at 1.0 m intervals.

1. Apply 6 litres emulsion/linear metre to the following critical areas under the slab before the concrete is poured: outside of foundation walls, under interior partition walls, under any footing and around utility services or other features that will penetrate the slab.

2. If necessary to complete a chemical barrier, inject 1.3 litres emulsion into voids of all unit masonry foundation walls or piers at 0.5 m intervals. Wherever possible, drill injection holes on the outside of the foundation walls. Cap voids with vapour barrier in order to seal in chemical. Seal drill holes with good quality plugs and mortar.

**Basement and Crawlspace Construction:** Apply 5 litres emulsion/m<sup>2</sup> under basement or crawlspace slab and attached porches and platforms prior to pouring concrete, but after forms are erected. The emulsion should be applied by rodding at 1.0 m intervals.

1. Apply 6 litres emulsion/linear metre to the following critical areas under the basement slab or under a crawlspace prior to construction: along outside edges of foundation walls, under interior partition walls, under or around piers, under footings under stairway stringers, around utility services or other features that will penetrate the slab.

2. Inject 1.5 litres emulsion into voids of all unit masonry foundation walls or piers at 0.5 m intervals. Wherever possible, drill injection holes on the outside of the foundation walls. Cap walls or piers with vapour barriers in order to seal in chemical. Seal drill holes with plugs and mortar.

3. During backfilling, apply 12 litres/linear metre to soil at a distance of approximately 30 cm from the outside of the foundation wall from top of footing to grade. Treat by rodding at 20-30 cm intervals.

4. Apply 5 litres emulsion/m<sup>2</sup> to soil under crawlspace by rodding at 1.0 m intervals. Cover treated soil with vapour barrier, provide a minimum clearance of 50 cm. Ventilate treated areas after application either by opening windows and doors or using fans, where required, to aid in the circulation of air. Air exchange/ventilation systems confirmed to be operational may also be used.

**Existing Structures:** Dragnet FT EC Insecticide applications can be made to existing structures to discourage further or future Termite damage in areas designated as being termite infested. Follow instructions for site preparation above. Dragnet FT EC Insecticide should be applied to soil along the exterior perimeter and along the interior perimeter of the foundation, along partition walls, around support piers and stairway stringers. Dragnet FT EC Insecticide should be applied using a 0.5% to 1.0% emulsion to the interior of foundation wall voids and support pier voids. Treat wall voids from outside wherever possible using a 0.5% to 1.0% emulsion. Up to 1.0% emulsion may be used in critical areas and areas which will be difficult to treat. Apply chemical emulsion at a pressure of 200-300 kilopascals through rods or sub-slab injector. Reduce pressure in hard soils.

**Treatment of Exterior Foundation Perimeter:** Apply 5 litres emulsion/linear metre/25 cm of penetration depth above grade to top of footing by rodding or injecting at 25-30 cm intervals. Dragnet FT EC Insecticide must be applied so as to create an even barrier from grade down to the top of footing. Concrete, asphalt or block sidewalks, driveways, patios, etc. adjacent to foundation must be drilled prior to rodding in chemical. If the post contains a void, inject emulsion into the void via a sub-slab injector at a rate of 7.5 litres emulsion/linear metre.

**Treatment of Interior Walls of Foundation:**

**Concrete floor:** Drill holes at 30 to 40 cm intervals, 15-30 cm from the foundation and apply 5 litres of the Dragnet FT EC Insecticide /water mixture per hole (7.5 litres/linear metre) with a sub-slab injector. Plug and seal drill holes with good quality mortar.

**Soil Floor:** Excavate and level soil in order to provide sufficient clearance to allow rodding of chemical. Apply 5 litres of the Dragnet FT EC Insecticide/water mixture per hole by rodding at 30 to 40 cm intervals from the foundation (7.5 litres/linear metre). Vents must be installed to provide sufficient ventilation for crawl spaces. Treated soil must be covered by a vapour barrier (concrete or polyethylene) under living space areas.

**Treatment of Wall Voids of Foundation:** Drill holes at 25 to 50 cm intervals just above grade level on the exterior surface of hollow foundation walls if possible (block construction, rubble walls, etc.). Inject 5 litres of the Dragnet FT EC Insecticide/water mixture per 0.5 linear metre via a sub-slab injector.

**Treatment Along Interior Partition Walls:** A basement partition wall extending into or through a concrete floor should be treated through a series of holes at 30-40 cm intervals on both sides of the wall. Apply 7.5 litres of the Dragnet FT EC Insecticide/water mixture per linear metre with a sub-slab injector. A basement partition wall set out on a slab floor should be treated as above but only on one side of the wall.

**Support Posts and Piers:** Apply 6 litres of the Dragnet FT EC Insecticide/water mixture per m<sup>2</sup> to the base of support posts via a sub-slab injector for a concrete floor and via rodding for soil floors. If the post contains a void, inject emulsion into the void via a sub-slab injector at a rate of 7.5 litres of the Dragnet FT EC Insecticide /water mixture/linear metre.

**Treatment of Wood in Place for Control of Termites (Localized Areas of Structures):**

SPOT TREATMENT ONLY: Spot application is localized to a surface area not more than 0.2 m<sup>2</sup>. Spots are not to be adjoining. The combined area of spots is not to exceed 10% of the total surface area treated.

For the control of termite carton nests in localized areas of infested wood in and around structures. This type of application is not intended to be a substitute for soil treatment, mechanical alteration or fumigation to control termites.

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.

Termite carton nests in 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.

**Treatment of Termite Carton Nests in Trees:**

Termite carton nests in trees 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 tree when such nests are found.

**Posts, Poles, Fences and Other Wooden Non-Building Constructions:**

Create an insecticidal barrier in the soil around wooden non-building constructions such as signs 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. Apply to a depth of 15 cm below the bottom of the wood. For larger constructions, use 15 litres per 3 linear metres per 30 cm of depth.

Apply a 0.5% emulsion with a fan spray using a maximum pressure of 170 kilopascals. Treatment should be made just to the point of runoff. To control termites active inside posts, poles, fences and other wooden non-building constructions, drill to find the interior infested cavity and inject a 0.5-1.0% emulsion.

**Resistance-Management Recommendations**

For resistance management, Dragnet FT EC Insecticide contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to Dragnet FT EC Insecticide and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields/locations. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of Dragnet FT EC Insecticide or other Group 3 insecticides with different groups that control the same pests.
- Avoid application of consecutive sprays of Dragnet FT EC Insecticide or other insecticides in the same group in a season.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact 2022 Environmental Science CA at 1-800-331-2867

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