

2016-2787  
2016-05-20

**GROUP 3 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

GUARANTEE: Permethrin \*\* 384 g/L  
\*\* 55% Maximum *cis*  
\*\* 45% Minimum *trans*

Store above 5°C

READ THE LABEL AND LEAFLET 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)

Registered by:  
FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104 USA  
1-800-331-3148

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.** Do not leave mixing tank or hoses containing Dragnet FT EC Insecticide unattended during mixing or treatment. Harmful if swallowed, inhaled or absorbed through skin. Causes skin irritation. Avoid skin contact. Avoid breathing vapours or spray mist. Applicators must wear protective clothing inclusive of hand, foot and eye covering. A CSA-approved respirator must be used when applying Dragnet FT EC Insecticide. In an enclosed space, provide adequate ventilation during treatment and until spray has dried completely.

- 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 use, pour, spill, or store near heat or open flame.
- Do not formulate with any diluent other than clean water.
- Do not apply to pets, or sources of electricity.
- Do not allow people or pets to contact treated surfaces until the spray has dried completely.
- Do not use concentrate or emulsion in fogging equipment.
- Firewood is not to be treated.
- During indoor surface applications do not allow dripping or run-off to occur.
- Do not apply this product in nurseries, patient rooms or any rooms occupied by elderly or infirm.
- Do not apply to classrooms when in use.
- Do not touch treated surface until dry.
- If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit Croplife Canada's website at [www.croplife.ca](http://www.croplife.ca)

**DO NOT APPLY BY AIR.**

**ENVIRONMENTAL HAZARDS:** This product is highly toxic to bees and predatory mites. Do not apply this product or allow it to drift to crops or weeds where bees are actively foraging or to areas where integrated pest management is practiced. This product is toxic to fish, aquatic invertebrates, birds and other wildlife. Keep out of lakes, streams and ponds. Do not apply within 15 metres of any body of water. Do not apply when weather conditions favour drift from target area. Do not contaminate water through spray or drift, cleaning of equipment or disposal of waste.

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

**FOR EMERGENCY ASSISTANCE CALL: 1-800-331-3148.**

**TOXICOLOGICAL INFORMATION:** This product contains petroleum distillate. Treat symptomatically for ingestion, skin and eye contact. DO NOT induce vomiting.

**STORAGE AND DISPOSAL: PESTICIDE STORAGE:** 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 FMC 1-800-331-3148 and the Provincial 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 empty container. Add the rinsings to the spray mixture in the tank. Follow Provincial 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 requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial 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. The user assumes the risk to persons or property that arises from any such use of this product.

Dragnet® is a registered trademark of FMC Corporation.

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Booklet

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**General Information on the use of this product:** Dragnet FT EC Insecticide is a pyrethroid insecticide (permethrin) that offers a high level of activity against a broad spectrum of insect pests. The pests controlled are listed in the accompanying sections. Dragnet FT EC Insecticide is to be used for residual pest control indoors (A) in food areas during close-down periods, non food areas and outdoors (B & C) on buildings and structures and their immediate surroundings. The use of this product also prevents and controls Termite infestation (D) in and around structures and construction, (E) in residential areas on ornamentals, fruit trees and vegetables and (F) in farm buildings.

Dragnet FT EC Insecticide contains permethrin, which is a synthetic pyrethroid. Permethrin has low mammalian toxicity and rapid knockdown of insects. 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.

**DIRECTIONS FOR USE: Shake Well Before Using**

**Mixing Instructions:**

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.**

**A. 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:** Food areas include areas of receiving, storage, packaging (canning, bottling, wrapping, boxing), preparing, edible waste storage, enclosed processing systems (mills, dairies, edible oils, syrups) and serving areas.

Application is limited to close-down periods only and during these periods to spot or crack and crevice treatments only. Remove or cover all food, preparation and serving areas, packaging materials and utensils before application. In warehouses, stores, storage areas and on aircrafts, ships, trains and trucks, do not spray food or food packages. Do not treat bins, bulk cargo areas or other places which may be contacted directly by food or feed.

Prepare a spray solution as described under Mixing Instructions and apply in small amounts directly into cracks and crevices using equipment capable of delivering a pin

stream of insecticide. Treat between different elements of construction such as, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases where pests hide.

Make application using low pressure so as to avoid possible atomization or splashing of the spray. After spraying, wash all surfaces that may contact food and rinse thoroughly with potable water before re-use for food processing, preparation or serving. Dishes, food-handling utensils and food-contacting surfaces should be thoroughly washed with soap and water if they become contaminated during application of this product.

Use Dragnet FT EC Insecticide to control pests listed below by applications of a 0.5% emulsion.

**Pests:** Ants\*, Bed Bugs, Bees\*\*\*, Brown Dog Ticks, Carpenter Ants\*, Carpet Beetles, Cockroaches including Asian Cockroaches, Crickets, Earwigs, Firebrats, Fleas, House Flies, Indian Meal Moth\*\*, Silverfish, Spiders and Wasps\*\*\*.

**For Spot Treatment:** Spray area where these pests are found or may hide, including dark corners of rooms and closets, cracks and crevices in walls; along baseboards and door and window frames: Behind and beneath sinks, stoves, refrigerators, and cabinets and around garbage cans, plumbing and other utility installations. Pests driven out of hiding places should be sprayed directly. For Ants, apply to Ant trails, also around doors and windows, and wherever else these pests may find entrance. Repeat as necessary.

**For Crack and Crevice:** Apply spray in small amounts directly into cracks and crevices. Equipment capable of delivering a pin stream should be used in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases where the above insects hide.

**To Kill Brown Dog Ticks and Fleas:** Thoroughly apply as a spot treatment to infested areas such as pet beds and resting quarters, nearby cracks and crevices, along and behind baseboards, window and door frames, and localized areas of floor and floor coverings where these pests may be present. Old bedding should be removed and replaced with clean fresh bedding after treatment. Do not spray pets with this product.

\* Ant infested wood may be drilled and injected with Dragnet FT EC Insecticide.

\*\* 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.

\*\*\* For optimal control of Bees and Wasps, treat nests directly.

## **B. Pest Control Outdoors**

**Posts, Poles and Other Construction:** 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. 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.

### **Treatment of Wood in Place for Control of Wood-Infesting Insects**

(Localized areas in Structures, Spot Treatment Only)

For the control of insects such as Termites, Ants, and wood-infesting beetles such as Old House Borer, 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.

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.

**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 pressure of 170 kilopascals. Treatment should be made just to the point of runoff.

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 harbour nests, saturating nest openings and contacting as many insects as possible.

### **Pest Control on Outside Surfaces and Around Buildings**

(Spot and Perimeter Treatment)

Apply Dagnet FT EC Insecticide 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, home or residential lawns only, soil, trunks of woody ornamentals and other areas where pests congregate or have been seen. Repeat treatment as necessary to maintain effectiveness.

**Vinyl and Aluminum Siding:** The application of Dragnet FT EC Insecticide to vinyl and aluminum siding (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, 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 while exposed to direct sunlight or during the heat of the day.

**Perimeter Treatment:** Apply to a band of soil and vegetation 1.5 to 3.0 metres wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of ½ to 1 metre. Use a spray volume of 10 to 40 litres per 100 square metres. Higher volumes of water may be needed if mulch or leaf litter is present or dense foliage. House siding may be treated if pests such as Gypsy Moth and Caterpillars, Earwigs or Silverfish are present.

**Adult Mosquito Control as a Perimeter Application:** Mix 130 mL Dragnet FT EC Insecticide per 10 L of water and apply around the perimeter of the property to shrubs, evergreens and tall grass where mosquitoes generally congregate. Apply spray solution until foliage is wet. Perimeter treatment is intended for application around homes, residences and other buildings. Dragnet FT EC Insecticide is not to be used for broadcast application on lawns or other large areas. Dragnet FT EC Insecticide is not intended for perimeter control around public facilities such as parks. Do not apply within 15 m of any body of water.

Pest	Specific Instructions
Ants Ant Mounds <sup>1</sup> Bark Beetles <sup>3</sup> Bees Borers <sup>3</sup> Carpenter Ants Cockroaches Asian Cockroaches Crickets Mole Crickets Earwigs Firebrats Fleas Flies (House, Cluster) Gypsy Moths (Adult & caterpillars) <sup>2</sup> Hornets Spiders Termites Wasps Silverfish Yellow-jackets	Apply as a pinstream, as a fine/coarse low-pressure spray 350 kilopascals or less, as a spot treatment or with a paintbrush. Treat where pests are found or entry points of the structure such as windowframes or doorframes and along the foundation.  <sup>1</sup> Drench Method: Apply 4 to 7.5 litres of emulsion to each mound area by sprinkling the mound until it is wet and treat a 1 metre diameter circle around the mound. Use the higher volume 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. <sup>2</sup> Gypsy Moth Caterpillars: Spray tree trunks, building siding, or wherever pests congregate, to the point of run-off. <sup>3</sup> Borers and Bark Beetles: To prevent borer infestation of trees and woody ornamentals, spray the bark to the point of run-off.



### C. CLUSTER FLIES

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. Control within buildings when warranted is directed to the attic where the flies can overwinter if they gain access.

**OUTDOOR CONTROL-** Prepare a spray mixture of 130 mL of DRAGNET FT EC Insecticide in 10 L of water. Spray this mixture to the outside walls including under the eaves, soffits and window trim. Spray to the point of run-off (approximately 10 L of spray per 100 m<sup>2</sup>). The effective time of application is between mid-August and the end of September depending on weather conditions.

**INDOOR CONTROL (ATTIC) - WHEN REQUIRED –** Prepare a mixture of 130 mL of DRAGNET FT EC Insecticide in 1 L of clean water. Apply this mixture to the attic area using an electric mist blower. Operate the electric mist blower from the attic entrance moving it around to cover the whole attic area. Apply at the rate of 1 L per 200 m<sup>2</sup>. Once the spraying is complete (usually a minute), close the attic entrance.

**NOTE:** The operator should wear a suitable pesticide respirator while performing this operation.

**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. The user assumes the risk to persons or property that arises from any such use of this product.

**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

#### D. TERMITE CONTROL

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 **DIRECTIONS FOR USE**. Use only as much Dragnet FT EC Insecticide emulsion 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, have been completed. Attention should be paid to applicator safety and proper handling procedures. 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.

**DIRECTIONS FOR USE: 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, eavestroughing, 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. Provide adequate ventilation for soil-surfaced crawlspaces under porches or living areas.

**Mixing Instructions:** Prior to mixing, inspect mixing tank, pumps, hoses and all fittings to ensure that all equipment is in good working order and that there are no leaks. See **General Information** section 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.

**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 and provided with adequate ventilation.

**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 adequate ventilation and a minimum clearance of 50 cm.

**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 from 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.

**E. Ornamentals, Fruit Trees and Vegetables in Residential Areas.**

**DIRECTIONS FOR USE:** 5 mL = 1.0 teaspoon, 15 mL = 1 tablespoon. Mix with water as directed below and apply with a sprayer to give a thorough coverage of plants. Apply when insects or damage are first noticed and repeat as necessary. Not for use in Commercial Crop Production. Ground application only.

**Ornamentals: 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, and Yellow-Headed Spruce Sawfly, Coneworm and Open Feeding Sawflies – Mix 1.6 mL with 10 L of water and thoroughly apply when first signs of feeding occur. Repeat once if infestation occurs.

**Deciduous Trees and Shrubs:** Gypsy Moth, Eastern Tent Caterpillar, Forest Tent Caterpillar, Fall Webworm, Euonymus Webworm and Open Feeding Aphids – Mix 2.3 mL with 10 L of water and thoroughly apply when insects appear. Repeat once if reinfestation occurs.

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.

#### **FRUIT TREES:**

**APPLES:** Winter Moth, Eastern Tent Caterpillar, Eye-spotted Bud Moth, Plum Curculio, White Apple Leafhopper: Apply 3.25 mL in 10 L of water. Tentiform Leafminer, Green Fruitworm, Apple Maggot, Leafrollers, Tarnish Plantbug, Mullein Bug, Lesser Appleworm, Codling Moth: Apply 6.5 mL in 10 L of water. Do not apply within 7 days of harvest.

**PEACHES AND NECTARINES:** Oriental Fruit Moth, Plum Curculio, Plant Bugs - Apply 6.5 mL in 10 L of water. Do not apply within 7 days of harvest.

**PLUMS:** Plum Curculio. Apply 6.5 mL in 10 L of water. Do not apply within 7 days of harvest.

**GRAPES:** Grape Berry Moth: Apply 5.0 mL in 10 L of water. Grape Leafhopper: Apply 2.5 mL in 10 L of water. Do not apply less than 21 days before harvest.

**PEARS (EASTERN CANADA):** Pear Psylla (nymphs and adults) Codling Moth, Green Fruit Worm: Apply 6.5 mL in 10 L of water. Do not apply within 7 days of harvest.

**PEARS (BRITISH COLUMBIA):** Pre bloom Pear Psylla (over wintering adults) - Apply 6.5 mL in 10 L of water. Apply up to 1.0 cm green stage of pear foliage growth. DO NOT USE in British Columbia for control of nymphal stages of Pear Psylla.

**VEGETABLES: CABBAGE, CAULIFLOWER, BROCCOLI, BRUSSELS SPROUTS:** Imported Cabbageworm, Cabbage Looper, Diamondback Moth Larvae and Crucifer Flea Beetle – Mix 1.6 mL with 10 L of water. Do not spray cabbage, cauliflower and Brussels sprouts within 3 days of harvest. Do not spray Broccoli within 7 days of harvest.

**SWEET CORN:** European Corn Borer, Corn Earworm and Sap Beetle – Mix 3.25 mL with 10 L of water. European Corn Borer – 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. Corn Earworm – When 25% of ears show silk, start spraying and fully cover ears and silk. Apply 4 sprays allowing 4 days between sprays (3 day intervals in hot weather). Sap Beetles – Apply when pink spotted beetles appear. Do not treat within 1 day of harvest.

**PEPPERS:** European Corn Borer – 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). Do not apply within 1 day of harvest.

**POTATOES AND TOMATOES:** Colorado Potato Beetle, Potato Flea Beetle, Potato Leafhopper, Tarnished Plant Bug and Whiteflies – Mix 2.5 mL with 10 L of water. Do not apply to tomatoes within 1 day of harvest.

**Cutworms** – These insects attack and cut off seedlings, transplants and low-lying plants like petunias and pansies. To confirm the cause, finger soil around damaged plant looking for a soft, dark-coloured worm in a curled position. Mix 2.5 mL with 10 L of water and apply to cover ground area of 100 m<sup>2</sup>. If soil is organic (muck soil) or very dry, apply 5 mL in 10 L of water per 100 m<sup>2</sup>. For Variegated Cutworms (climbing cutworms) on Potatoes, Tomatoes and Ornamental Plants – mix 2.5 mL with 10 L of water. Thoroughly spray the plant and underlying ground at the first sign of damage. Do not apply within 1 day of harvest.

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.

**F. FARM BUILDINGS:**

Location	Pest	Rate	Special Instructions
Beef Barns, Dairy Barns, Poultry Houses, Stables, Food Processing Plants (non-food areas, dairies), Feedlots	House Fly, Stable Fly	25 mL per 5 L	Residual Surface Spray: Apply at a rate of 5.0 L per 100 m <sup>2</sup> of surface. Do not apply as a space spray. Do not apply directly to animals or poultry. In dairies, apply only when not in operation. Thoroughly clean all milk utensils before resuming operations.

**Resistance-Management Recommendations**

For resistance management, please note that 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. 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 in a field.
- Avoid application of consecutive sprays of Dragnet FT EC Insecticide or other insecticides in the same group in a session.
- 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 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 FMC Corporation at 1-800-321-1362.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.** Do not leave mixing tank or hoses containing Dragnet FT EC Insecticide unattended during mixing or treatment. Harmful if swallowed, inhaled or absorbed through skin. Causes skin irritation. Avoid skin contact. Avoid breathing vapours or spray mist. Applicators must wear protective clothing inclusive of hand, foot and eye covering. A CSA-approved respirator must be used when applying Dragnet FT EC Insecticide. In an enclosed space, provide adequate ventilation during treatment and until spray has dried completely.

- Do not store near feed or foodstuffs. Do not plant food crops in soil adjacent to building where there has been a Dragnet FT EC Insecticide application.
- Do not use, pour, spill, or store near heat or open flame.
- Do not formulate with any diluent other than clean water.
- Do not apply to pets, or sources of electricity.
- Do not allow people or pets to contact treated surfaces until the spray has dried completely.
- Do not use concentrate or emulsion in fogging equipment.
- Firewood is not to be treated.
- During indoor surface applications do not allow dripping or run-off to occur.
- Do not apply this product in nurseries, patient rooms or any rooms occupied by elderly or infirm.
- Do not apply to classrooms when in use.
- Do not touch treated surface until dry.
- If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit Croplife Canada's website at [www.Croplife.ca](http://www.Croplife.ca)

**DO NOT APPLY BY AIR.**

**ENVIRONMENTAL HAZARDS:** This product is highly toxic to bees and predatory mites. Do not apply this product or allow it to drift to crops or weeds where bees are actively foraging or to areas where integrated pest management is practiced. This product is toxic to fish, aquatic invertebrates, birds and other wildlife. Keep out of lakes, streams and ponds. Do not apply within 15 metres of any body of water. Do not apply when weather conditions favour drift from target area. Do not contaminate water through spray or drift, cleaning of equipment or disposal of waste.

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

**FOR EMERGENCY ASSISTANCE CALL: 1-800-331-3148.**

**TOXICOLOGICAL INFORMATION:** This product contains petroleum distillate. Treat symptomatically for ingestion, skin and eye contact. DO NOT induce vomiting.

**STORAGE AND DISPOSAL: PESTICIDE STORAGE:** 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 FMC 1-800-331-3148 and the Provincial 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 empty container. Add the rinsings to the spray mixture in the tank. Follow Provincial 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 requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

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