

FINAL



For use on Christmas tree seedlings or pine seedlings

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

- For use **ONLY** by injection to soil at the base of Christmas tree seedlings or pine seedlings or injection into root balls of containerized Christmas tree seedlings or pine seedlings to control Nantucket pine tip moth or pine bark aphid and into the exit holes of leaf cutter ant or red imported fire ant in Christmas tree seedling or pine seedling plantings.
- **DO NOT** use this product for termite or other pest control indoors.
- **DO NOT** use on golf course turf.
- **DO NOT** use on/in commercial bee hives.
- **DO NOT** use on animal trophies or animal skins.

See inside booklet for additional **Restrictions, First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific use sites and/or restrictions.

Active Ingredient:

fipronil: 5-amino-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(1*R,S*)-(trifluoromethyl)sulfinyl]-1*H*-pyrazole-3-carbonitrile

9.1%

Other Ingredients:

90.9%

Total:

100.0%

One gallon **PTM™ Insecticide** contains 0.8 lb fipronil.

EPA Reg. No. 7969-241

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCIÓN**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**In case of an emergency endangering life or property involving this product,
call day or night 1-800-832-HELP (4357).**

Net Contents:

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709



FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • DO NOT induce vomiting unless told to do so by a poison control center 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	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth to mouth, if possible. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of medical emergency involving this product, call BASF Corporation 1-800-832-HELP (4357) or dial 911.	
NOTE TO PHYSICIAN	
There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred. In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and in extreme cases, possibly convulsions may occur.	

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed, inhaled, or absorbed through the skin. **DO NOT** breathe vapor or spray mist. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this product are listed below. For more options, refer to **Category A** on an EPA chemical-resistance category selection chart.

All pesticide handlers (mixers, loaders, and applicators), and handlers treating and planting containerized pine seedlings must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, or others listed in selection **Category A**.

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to birds, fish, and aquatic invertebrates. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to estuarine and aquatic organisms in water adjacent to treated areas. Care must be taken to avoid runoff. **DO NOT** contaminate water by cleaning equipment or disposal of waste. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product. For any requirements specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

PTM™ Insecticide cannot be used to formulate, reformulate, or repackage into any other pesticide product without the written permission of BASF Corporation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **24 hours**.

EXCEPTION: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Shoes plus socks
- Chemical-resistant gloves

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

Pesticide Storage

Store unused product in original container only, out of reach of children and animals.

(continued)

STORAGE AND DISPOSAL (continued)

Pesticide Disposal

To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

Steps to take if this material is released into the environment or spilled:

- Wear **Personal Protection Equipment (PPE)** and avoid exposure when managing a spill. (See **Precautionary Statements** section of this label for required PPE.)
- Dike and contain the spill with inert material (e.g., sand, earth) and transfer liquid and solid diking material to separate containers for disposal. Small-scale spills of **PTM Insecticide** (that can be cleaned up with a typical spill kit) may be applied to labeled sites.
- Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before reuse.
- Keep spill out of all sewers and open bodies of water.

Product Information

Apply **PTM™ Insecticide** by injection to soil at the base of Christmas tree seedlings or pine seedlings, injection into root balls of containerized Christmas tree seedlings or pine seedlings, or injection into exit holes of leaf cutter ant colonies and mounds of red imported fire ants in Christmas tree seedling or pine seedling plantings.

Pests Controlled

- Leaf cutter ant *Atta texana*
- Nantucket pine tip moth *Rhyacionia frustrana*
- Pine bark aphid *Cinara* spp.
- Red imported fire ant *Solenopsis invicta*

Use Restrictions

- Make one application per year. **DO NOT** apply more than 21 fl ozs (0.13 lb ai) **PTM Insecticide** per acre per year.
- **DO NOT** apply this product through any kind of irrigation system.
- **DO NOT** apply within 20 yards (in New York State, **DO NOT** apply within 100 feet or 33 yards) of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, commercial aquaculture facilities, or other bodies of water that convey water to these areas. Protection of aquatic areas may be enhanced by maintaining all or a portion of this buffer in vegetative cover.
- **DO NOT** apply to seedlings/trees raised for pine nuts.
- Apply only as a soil injection or injection into containerized seedling root ball. **DO NOT** apply to the soil surface.

Application Instructions

Dilution Preparation for Soil Injection

Before mixing, remove oil, rust, scale, pesticide residues, and foreign matter from application equipment including the strainer. Flush with clean water. Use 50 mesh screens or equivalent in application system.

Fill tank with approximately 1/2 the required volume of water and start agitation, if available. Pour measured amount of **PTM Insecticide** into tank. Add remaining water needed to make the final dilution.

Shake small handheld or backpack applicator tanks after filling and before each application to ensure that the active ingredient is evenly suspended in the mixture. Tank lids must be sufficiently tight before shaking to avoid spillage.

Equip applicator tanks too large to manually shake with a sparge tube agitator. (Alternative agitator designs may be used if they can adequately cleanse the bottom of the tank and provide sufficient agitation required for product mixing.) Pump approximately 10% of the tank capacity per minute back into the tank through the agitator. Agitate to ensure thorough mixing. Periodic agitation of the final dilution is important to keep the active ingredient evenly suspended in the mixture.

Tank mix **PTM Insecticide** in accordance with the most restrictive of label limitations and precautions of the products in the tank mix. **DO NOT** exceed label dosage rates. This product cannot be mixed with any product whose label contains a prohibition against such mixing. If tank mixes with other products are to be used, before mixing components, always perform a compatibility jar test.

Nantucket Tip Moth and Pine Bark Aphid Control in Pine Seedling Plantations

Apply a dilution of water and 21 fl ozs per acre **PTM Insecticide** at the time of planting or after planting. Divide 21 fl ozs by the total number of target pine seedlings to be treated per acre to obtain the amount of **PTM Insecticide** to apply per pine seedling. Refer to **Table 1**. Dilute the required amount of **PTM Insecticide** with water to apply between 0.5 and 1.0 fl oz of total dilution per pine seedling. Spot treat by injecting an amount of dilution at least 3 inches below ground into the rooting zone of each pine seedling.

Table 1. Application Volume based on Target Pine Seedlings Planted per Acre

Target Plants per acre	PTM Insecticide + Water Total Volume		PTM Insecticide	Water
	per plant	per acre		
	(fl ozs)		(fl ozs each mixed per acre)	
400	0.5	200	21	179
	1.0	400		379
500	0.5	250		229
	1.0	500		479
600	0.5	300		279
	1.0	600		579

NOTE: Use the higher volume when soil moisture level is low.

Root-ball Injection of Container-grown Pine Seedlings

Apply **PTM Insecticide** by injection into the root ball of container-grown pine seedlings before transplanting into the pine seedling plantation. To retain the injected liquid, make the root-ball injection when soil media is moist but not saturated.

To calculate the amount of **PTM Insecticide** to apply per pine seedling, divide 21 fl ozs (0.13 lb ai) by the total number of treated pine seedlings to be planted per acre. Refer to **Table 2**. The required amount of **PTM Insecticide** may be diluted with water before injection. Inject the liquid into the core of the root ball at one or more locations, depending on the length of the root ball.

Treated pine seedlings may be transferred to the pine seedling plantation in secondary packaging before planting. Follow local requirements when disposing of secondary packaging, loose soil media, or items that have come into contact with treated pine seedlings.

Table 2. Injection Volume based on Treated Pine Seedlings Planted per Acre

Treated Pine Seedlings (plants per acre)	PTM™ Insecticide Maximum Volume per Pine Seedling Root Ball		Maximum per Treated Pine Seedling (lb ai)
	(fl oz)	(mL)	
300	0.07	2.05	0.00043
400	0.05	1.54	0.000325
500	0.04	1.23	0.00026
600	0.035	1.03	0.000217

Leaf Cutter Ant and Red Imported Fire Ant Control in Pine Seedling Plantations

Make a 2% dilution of **PTM Insecticide** in water. Refer to **Table 3**.

For leaf cutter ant control, inject 1.5 fl ozs of the dilution at least 3 inches below ground into each leaf cutter ant exit hole.

For red imported fire ant control, inject 3 fl ozs of the dilution at least 3 inches below ground divided among 2 injections for small colonies (mounds 12 inches wide or less) or 4 injections for larger colonies (mounds more than 12 inches wide).

DO NOT apply more than 21 fl ozs **PTM Insecticide** per acre per year.

Table 3. 2% Dilutions for Leaf Cutter Ant and Red Imported Fire Ant Control

Total Volume (gals)	PTM (fl ozs)	Water (fl ozs)	Leaf Cutter Ant Exit Holes to Treat	Red Imported Fire Ant Mounds to Treat
1	2.6	125	85	43
2	5.2	250	170	85
3	7.8	375	255	128
4	10.4	500	340	170
5	12.8	625	425	213

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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