



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☒ Amendment
☐ Other

OPP Identifier Number
266513

Application for Pesticide - Section I

1. Company/Product Number 7969-125	2. EPA Product Manager Marvin Johnson	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Pyramite TM Miticide/Insecticide	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation Agricultural Products P.O. Box 13538 Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION OCT 5 1998
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

ADDITION OF Pest Species to Label; No Rate Changes
Text modifications

Section - III

1. Material This Product Will Be Packaged In:		2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted			
If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
		4.402	5
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> _____ Label accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Darcy Geiger-Jackson	Title Registration Specialist	Telephone No. (Include Area Code) 919-547-2840	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature Darcy Geiger-Jackson	3. Title Registration Specialist		
4. Typed Name Darcy Geiger-Jackson	5. Date 4-13-98		

BASF

2 7 7
NOTIFICATION

OCT 5 1998

PyramiteTM

miticide/insecticide

Active Ingredient:

[2-*tert*-butyl-5-(4-*tert*-butylbenzylthio)-4-chloropyridazin-3(2*H*)-one]60.0%

Inert Ingredients:40.0%

Total100.0%

Plus water-soluble packaging

EPA Registration Number 7969-125

EPA Est. No. 67545-AZ-01

U.S. Patent Number: 4,877,787

KEEP OUT OF REACH OF CHILDREN.

DANGER/PELIGRO

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.)

See inside booklet for complete **Precautionary Statements, Statements of Practical Treatment, Directions For Use, and Conditions of Sale and Warranty.**

Net contents: 1.375 pounds
(five 4.4-ounce water-soluble bags)

BASF Corporation
P.O. Box 13528, Research Triangle Park, NC 27709

I. Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER: Corrosive, causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles, face shield, or safety glasses. May be fatal if inhaled. Do not breathe dust or spray mist. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Remove contaminated clothing and wash before re-use. Harmful if swallowed or absorbed through skin. Avoid contact with skin. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment

If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

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

If swallowed: Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Get medical attention.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

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

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Protective eyewear
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

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

Environmental Hazards

This pesticide is extremely toxic to 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. Keep out of lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not apply when weather conditions favor drift from target area. Drift or runoff from treated areas may be hazardous to fish in adjacent sites. This product is highly toxic to bees. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Application early in the morning or at dusk is suggested.

II. Directions For Use

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

All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

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 this label about personal protective equipment (PPE), notification to workers, 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 **12 hours**.

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
- Waterproof gloves
- Shoes plus socks
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

• Water-soluble packaging:

This package contains water-soluble bags inside a foil liner (overwrap). The water-soluble bags dissolve in water and the contents will disperse. If all the water-soluble bags are not used, carefully reseal the overwrap. Each overwrap contains five water-soluble bags. Do not remove the water-soluble bags from the overwrap except for immediate use. If exposed to moisture, the water-soluble bags may break.

The outer case and inner overwrap packaging of the water-soluble bag should be incinerated or disposed of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not re-use the empty packaging.

In Case of Emergency

In case of large-scale spillage regarding this product, call:

CHEMTREC 800-424-9300
BASF Corporation 800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

III. General Information

This package contains **Pyramite™ miticide/insecticide**, a 60% wettable powder, in water-soluble bags. **Pyramite** is a selective contact miticide/insecticide that controls pests in apple, pear, and almond orchards when used at recommended rates. (Refer to **Table 1. Pyramite Application Rate Table**.) **Pyramite** provides knockdown and residual control. A good performance evaluation can be made 4-7 days after treatment. For optimum results, **Pyramite** should be applied at when pest populations are beginning to build and prior to reaching economic thresholds.

Mite Resistance Management

Pyramite use should be alternated with other miticides as part of a mite management program to minimize resistance. Repeated use of the same miticide has been documented to result in the buildup of resistant strains of mites. To reduce the potential of obtaining a population of acaricide-resistant mites, the grower should alternate products of differing modes of action.

Consult with your local or state extension personnel for advice on miticide use and selection.

Cleaning Spray Equipment

Spray equipment must be cleaned thoroughly before and after applying this product, particularly if a product with the potential to injure crops was used.

IV. Application Instructions

Pyramite may be applied by ground equipment using either diluted or concentrated sprays. Apply recommended rates of **Pyramite** as instructed by section IX. **Crop-Specific Information**. Spray the last 3 rows windward of surface water using nozzles on only one side with the spray directed away from surface water. Avoid spraying over the tops of trees by adjusting or turning off the top nozzles. Shut off the nozzles on the side away from the orchard when spraying the outside row. Shut off the nozzles when turning at the ends of the rows and when passing tree gaps in rows.

Coverage

Apply **Pyramite** in sufficient water to ensure thorough coverage of foliage and fruit. Thorough coverage is required for optimum control. To achieve adequate coverage, use proper spray pressure, nozzles, nozzle spacing, gallonage per acre, and tractor speed. Consult spray nozzle and accessory guide for information pertaining to proper equipment calibration.

Ground Application (Broadcast)

Water Volume: Use 100-400 gallons of spray solution per broadcast acre for optimal performance.

V. Additives

In general, no additives or adjuvants are necessary for effective use of **Pyramite**. However, certain conditions may justify the use of additives. Consult a BASF representative or local agricultural authorities for more information concerning additives.

VI. Mixing Order

Begin by agitating a thoroughly clean sprayer tank half full of clean water and add the recommended product amounts in the following order:

- 1) **Pyramite™ miticide/insecticide**
- 2) Tank mix partner (if applicable)
- 3) Remaining quantity water

Carefully remove the recommended number of water-soluble bags from the inner overwrap packaging and carefully place them into the spray water in the mixing tank. Reseal the outer package making sure that no moisture contacts the water-soluble bags. Do not open the water-soluble bags. Allow the bags to completely dissolve. Use the maximum agitation while mixing **Pyramite** in the spray tank.

Add other products only after the **Pyramite** bags have completely dissolved, then add the remaining water.

A defoaming agent may also be necessary. Do not attempt to dissolve the water-soluble bags directly in diesel oils or summer spray-type oils. The bags are water-soluble, not oil soluble.

Boron will prevent the water-soluble bags from dissolving. If boron-containing products are to be used, the water-soluble bags containing **Pyramite** must be dissolved completely before the boron-containing product can be added to the spray tank. If boron-containing products have been used in previous applications, thoroughly wash the spray tank before using **Pyramite**. Always reseal the overwrap package to protect the remaining unused bags.

VII. General Tank Mixing Information

Notice to user: The phytotoxic potential of **Pyramite** has been assessed on a wide variety of trees with no phytotoxicity observed. However, all varieties and cultivars have not been tested with possible tank mix combinations. Local conditions can also influence crop tolerance and may not match those under which BASF has conducted testing. Therefore, before using **Pyramite**, test the product on a sample of the crop to be treated to ensure that a phytotoxic response will not occur as a result of applications.

Table 1. Pyramite Application Rate Table

Pests Controlled	Concentrate Rate Per Acre (100-200 gpa)	Dilute Rate Per 100 Gallons (200-400 gpa)
Apple rust mite European red mite Pear rust mite	1-1.5 bags (4.4-6.6 ounces)	0.5 bag (2.2 oz.)
McDaniel spider mite Pacific spider mite Pear psylla Two-spotted spider mite	1.5-3 bags (6.6-13.2 ounces)	0.75 bag (3.3 ounces)
Pests Suppressed	Concentrate Rate Per Acre (100-200 gpa)	Dilute Rate Per 100 Gallons (200-400 gpa)
Apple aphid Mealybug, Grape White apple leafhopper Whitefly	1.5-3 bags (6.6-13.2 ounces)	0.75 bag (3.3 ounces)

Maximum concentrated rate per acre is based on 400 gallons per acre.

Do not use less than 100 gallons spray volume per acre.

Do not break the water-soluble bags. Fractions are used for the purpose of conversion and accurate rate calculation.

VIII. General Restrictions and Limitations - All Crops

- **Maximum seasonal use rate:** Do not apply more than a **total of 26.4 ounces of Pyramite™ miticide/insecticide** (1.0 pound a.i.) per acre, per season. Do not apply less than 4.4 ounces of **Pyramite** per acre, per season.
- Allow a minimum of **30 days** between **sequential applications** of **Pyramite**.
- **Preharvest Interval (PHI):** Refer to **Table 2**.
- **Restricted Entry Interval (REI): 12 hours.**
- Do not apply **Pyramite** by air.
- Do not apply through any type of **irrigation** equipment.
- Do not apply **Pyramite** with a handgun sprayer.
- Do not use less than 100 gallons of water volume per acre.
- Do not make more than 2 applications of **Pyramite** per year.
- **Drift:** Do not apply **Pyramite** when weather conditions favor drift to surface water. Do not apply within 110 feet upwind of surface water or when windspeed is above 8 mph. Do not apply during a temperature inversion.

Water-soluble bags:

- Do not remove the water-soluble bags from the overwrap package except to add them directly to the spray tank.
- Do not allow the water-soluble bags to become wet before adding them to the spray tank. Do not handle the water-soluble bags with wet hands or wet gloves.
- Do not break the water-soluble bags.

Table 2. Crop-Specific Restrictions and Limitations

Crop	Minimum Time from Application to Harvest (PHI)	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season	Aircraft Application
Almonds	7 days	13.2 ounces	26.4 ounces	No
Apples	25 days	13.2 ounces	26.4 ounces	No
Pears	7 days	13.2 ounces	26.4 ounces	No

IX. Crop-Specific Information

Almonds

Apply 4.4-13.2 ounces of **Pyramite** in 100-400 gallons of water per acre.
Use the higher rate of **Pyramite** to ensure adequate concentration in full size trees with dense foliage.

Apples

Apply 4.4-13.2 ounces of **Pyramite** in 100-400 gallons of water per acre.
Use the higher rate of **Pyramite** to ensure adequate concentration in full size trees with dense foliage.

Pears

Apply 4.4-13.2 ounces of **Pyramite** in 100-400 gallons of water per acre.
Use the higher rate of **Pyramite** to ensure adequate concentration in full size trees with dense foliage.

Crops:

This product can be used on the following crops:

Almonds
Apples
Pears

Look inside for complete **Restrictions and Limitations** and **Application Instructions**.

Pests listed in this label:

Common Name	Scientific Name
Apple Aphid	<u>Family: Aphididae</u> <i>Aphis pomi</i>
Apple Rust Mite	<u>Family: Eriophyidae</u> <i>Aculus schlechtendali</i>
Pear Rust Mite	<i>Epirimerus Pyri</i>
European Red Mite	<u>Family: Tetranychidae</u> <i>Panonychus ulmi</i>
McDaniel Spider Mite	<i>Tetranychus mcdanieli</i>
Pacific Spider Mite	<i>Tetranychus urticae</i>
Two-spotted Spider Mite	<i>Tetranychus pacificus</i>
Mealybug, Grape	<i>Pseudococcus maritimus</i>
Pear Psylla	<i>Cacopsylla pyricola</i>
White Apple Leafhopper	<u>Family: Cicadellidae</u> <i>Typhlocyba pomaria</i>
Whitefly	<u>Family: Aleyrodidae</u> <i>Bemisia argentifolii</i>

Additional Information

For additional information, call BASF's **COMMSERV**™ at 1-800-874-0081.

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 should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, 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. 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. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, 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.

U.S. Patent Number: 4,877,787

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BASF Corporation
P.O. Box 13528
Research Triangle Park, NC 27709

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