



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

71297-19

Date of Issuance:

1/7/20

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

ActiMist PYR Foggable Fungicide

Name and Address of Registrant (include ZIP Code):

Ann Beaulieu, Ph.D.  
AgroFresh Incorporated  
3 Spring House Innovation Park, Suite 100  
Lower Gwynedd, PA 19002

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:

Heather A. Garvie, Acting Product Manager 21  
Fungicide Branch, Registration Division (7505P)

Date:

1/7/20

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 71297-19.”
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

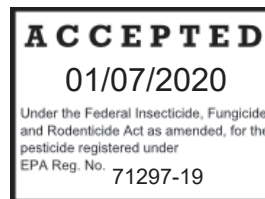
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 11/18/2019

If you have any questions, please contact Marcel Howard by phone at (703)305-6784, or via email at [howard.marcel@epa.gov](mailto:howard.marcel@epa.gov)

Enclosure

## ActiMist™ PYR Foggable Fungicide



ActiMist PYR Foggable Fungicide is a ready-to-use liquid pyrimethanil for post-harvest thermal fogging on pome fruit.

**ACTIVE INGREDIENT:**

Pyrimethanil\*.....16.0%

**OTHER INGREDIENTS:**.....84.0%

**TOTAL:**.....100.0%

\*CAS No. 53112-28-0

Contains 1.35 pounds of pyrimethanil per gallon

**NOTICE:** Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unused within thirty days of purchase to the place of purchase.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
See additional precautionary statements and directions for use inside booklet.

Lot No. on container

Net Contents: 0.5 – 330 gallons  
on Container

**EPA Reg. No. 71297-XX**  
**EPA Est. No. 66397-OK-001**

Formulated in the USA for  
AgroFresh, Philadelphia, PA, USA

110279/2020107

Net Contents (on container)

0.5 gallon	2.5 gallons	5 gallons	55 gallons
1 gallon	3 gallons	15 gallons	275 gallons
2 gallons	4 gallons	30 gallons	330 gallons

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>▪ 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.</li> <li>▪ Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>▪ Take off contaminated clothing.</li> <li>▪ Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>▪ Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>▪ Move person to fresh air.</li> <li>▪ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>▪ Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>▪ Call a poison control center or doctor immediately for treatment advice.</li> <li>▪ Have person sip a glass of water if able to swallow.</li> <li>▪ Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>▪ Do not give anything by mouth to an unconscious person.</li> </ul>
<b>POISON CONTROL CENTER 1-800-222-1222</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on product use, etc., call the National Pesticides Information Center at 1-800-858-7378. For emergencies, call the poison control center 1-800-222-1222.	

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Avoid contact with skin, eyes, and clothing. Causes moderate eye irritation. Harmful if swallowed. Harmful if absorbed through skin. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Mixers, loaders, applicators and other handlers of equipment or wet fruit must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of butyl rubber material
- Protective eyewear (such as goggles, safety glasses, or face shield)

**Additional PPE**

- While respiratory protection is not normally required when using this product, fogging applicators must keep a minimum of an NIOSH approved elastomeric half mask respirator with organic vapor (OV) cartridges and a combination N, R, or P filter readily available in case of rare instances where fog may be blown back to the applicator, such as an equipment malfunction or insufficient room seal.

**User Safety Requirements**

Follow manufacturer's instructions for cleaning / maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been fogged or heavily contaminated with the concentrated product. Do not reuse them.

### User Safety Recommendations

Users should do the following: 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 the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, sewer systems or other waters unless in accordance with the requirements of a National Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing with regard to the discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### PHYSICAL OR CHEMICAL HAZARDS

This product contains a highly flammable ingredient. **FLAMMABLE**. Do not use or store near heat or open flame. Do not mix or allow contact with water or oxidizing agents, as hazardous chemical reaction may occur.

## DIRECTIONS FOR USE

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

### Read the entire label before using this product.

### PRODUCT INFORMATION

ActiMist PYR Foggable Fungicide is a protective fungicide used to aid in the control of post-harvest diseases in pome fruit in storage facilities.

### RESISTANCE MANAGEMENT

For resistance management, ActiMist PYR Foggable Fungicide contains a FRAC Group 9 fungicide/bactericide. Any fungal/bacterial population may contain individuals naturally resistant to ActiMist PYR Foggable Fungicide and other Group 9 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of ActiMist PYR Foggable Fungicide or other Group 9 fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or 1PM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact AgroFresh at (866-850-6846). You can also contact your pesticide distributor or university extension specialist to report resistance.

## APPLICATION INSTRUCTIONS

Apply ActiMist PYR Foggable Fungicide at rates and timings as specified in this label. Follow all label directions and restrictions for each ingredient in the tank mixture. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

### Preparation for ActiMist PYR Foggable Fungicide Treatment

#### Posting

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

#### Application Procedures

- Do not breathe the fog.
- Turn off cooling, fans, scrubbers, ozone, and humidifiers 12 hours prior to and during treatment.
- Turn on circulation fans one hour after product has completed flowing through the fogging application system.
- DO NOT rinse pome fruit after treatment.

Note: When treatment areas contain less than 75% fruit capacity, calculate the dosage by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.

#### Thermal Fogger Operation

- Place the thermal fogger with the nozzle pointed in an unobstructed direction. For best results, the fogger nozzle should be pointed towards a surface at least ten (10) feet away.
- Do not exceed 650 F fogger temperature.
- If used in tank mix, ensure the mixture is agitated during application if needed.
- Close door and seal around any power cord or remote-control cables as needed.
- Begin application.

**Rate, time and mode of application:** Refer to instructions in crop tables.

#### Pome Fruit

Apple (*Malus domestica*); Azarole (*Crataegus azarolus*); Crabapple (*Malus* spp.); Loquat (*Eriobotrya japonica*); Mayhaw (*Crataegus aestivalis*, *C. opaca*, and *C. rufula*); Medlar (*Mespilus germanica*); Pear (*Pyrus communis*); Pear, Asian (*Pyrus* spp.); Quince (*Cydonia oblonga*); Quince, Chinese (*Chaenomeles speciosa*); Quince, Japanese (*Chaenomeles japonica*); Tejocote (*Crataegus mexicana*) and cultivars, varieties and/or hybrids of these.

Use ActiMist PYR Foggable Fungicide as a post-harvest thermal-fog application to reduce damage from post-harvest diseases caused by:

Application Method	Disease	Rate	Application Directions
Fogging in a storage facility	Blue mold; Gray mold; Bull's eye rot	Apply: 1.9 oz. of product per US ton (2000 lbs) of fruit Or 60 grams of product per metric ton	<ul style="list-style-type: none"><li>▪ Apply to dry fruit as received from the field.</li><li>▪ Apply to fruit as soon as possible after harvest, and ideally within 15 days (after harvest).</li><li>▪ Load bins in the storage area with normal spacing between bins and head space.</li><li>▪ Cover front face of bins directly adjacent to</li></ul>

		(2200 lbs) of fruit	the fogging nozzle.
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**Crop Safety:**

- Apply to dry fruit as received from the field.
- Cover front face of bins directly adjacent to the fogging nozzle.

**Restrictions:**

- Do not apply more than 1 post-harvest application of pyrimethanil-containing product on pome fruit.
- Do not apply to pome fruit previously treated with pyrimethanil via drench or dip/wash.
- Apply only with a thermal fogging machine.
- Only other products compatible with ActiMist PYR Foggable Fungicide, diphenylamine (DPA), and approved for fogging applications can be tank mixed with ActiMist PYR Foggable Fungicide.
- Do not exceed 650° F fogger temperature.
- Place the thermal fogger in a direction that maximizes the distance between the fogger nozzle and an obstruction.
- Do not vent during application.

**Re-entry:**

- Entry into the treatment area by another person other than properly trained and equipped handlers is prohibited from the start of application until the treated area is ventilated as follows:
  - 8 hours with no ventilation followed by 1 hour of mechanical ventilation
  - 24 hours with no ventilation
- In case it is necessary to enter the treatment area during treatment or before ventilation requirements have been met, handlers must wear chemical resistant headgear and a self-contained breathing apparatus (NIOSH approved elastomeric half mask respirator with organic vapor (OV) cartridges and a combination N, R, or P filter ) in addition to PPE listed under the PRECAUTIONARY STATEMENTS. Follow all applicable safety precautions for entering a controlled atmosphere storage facility, such as monitoring oxygen and carbon monoxide meters to assure safe levels before re-entry.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in original packaging in a cool, dry place. Do not use or store near heat or open flames.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill containers. Triple rinse container promptly after emptying.

For packages 0.5-5 gallons:

Triple rinse 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 ¼ full with water and recap. Shake for 10 seconds. Store rinsate for disposal. Repeat this procedure two more times.

For packages greater than 5 gallons

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank.

Fill the container ¼ full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Store the rinsate for disposal. Repeat this procedure two more times.

Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration.

**CONDITIONS OF SALE AND  
LIMITATION OF WARRANTY AND LIABILITY**

**BEFORE BUYING OR USING THIS PRODUCT**, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of AGROFRESH INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label or use of this product contrary to the label instructions, all of which are beyond the control of AGROFRESH INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, AGROFRESH INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL, THIS PRODUCT IS SOLD "AS IS" TO THE EXTENT CONSISTENT WITH APPLICABLE LAW. AGROFRESH INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT AGROFRESH INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL, BUYER OR USER MUST SEND WRITTEN NOTICE OF SUCH CLAIM TO THE FOLLOWING ADDRESS, TO THE EXTENT REQUIRED BY APPLICABLE LAW:

AGROFRESH INC.  
ATTENTION: LAW DEPARTMENT  
510-530 WALNUT STREET – SUITE 1350  
PHILADELPHIA, PA 19106

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, OR STRICT LIABILITY.