



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

94785-1

Date of Issuance:

1/13/2022

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

LOGFRESH

Name and Address of Registrant (include ZIP Code):

SHANDONG AOWEITE BIOTECHNOLOGY CO., LTD.
 No.87 Fuyang Street,
 Jibei Development District,
 Jinan, Shandong, 251400

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention 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 (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her 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 the 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 or registration review of your product when the EPA requires all registrants of similar products to submit such data.
2. Submit storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to the EPA.

Signature of Approving Official:

Andrew Bryceland, Team Leader
 Biochemical Pesticides Branch
 Biopesticides and Pollution Prevention Division (7511P)
 Office of Pesticide Programs

Date:

1/13/2022

3. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 94785-1."
4. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA 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 Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 08/17/2021

Any CSFs other than those listed above are superseded.

If you have any questions, please contact Gina Burnett of my team via email at burnett.gina@epa.gov

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland".

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

ACCEPTED

Jan 13, 2022

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 94785-1

LOGFRESH

ACTIVE INGREDIENT:

1-Methylcyclopropene 3.3%
OTHER INGREDIENTS 96.7%
TOTAL: 100.0%

EPA REGISTRATION NO. 94785-

EPA EST. NO. 94785-CHN-1

Manufactured by:

SHANDONG AOWEITE BIOTECHNOLOGY CO., LTD.

No.87 Fuyang Street,

Jibei Development District,

Jinan, Shandong, 251400 China

Net Weight:

[0.007 oz. (0.2 g)/bag × 10 bags

0.018 oz. (0.5 g)/bag × 10 bags

0.035oz. (1 g)/bag × 10 bags

0.07 oz. (2 g)/bag × 10 bags

0.18 oz. (5 g)/bag × 10 bags

0.35 oz. (10 g)/bag × 5 bags

0.53 oz. (15 g)/bag × 5 bags

0.7 oz. (20 g)/bag × 5 bags

1.8 oz. (50 g)/bag × 2 bags

3.5 oz. (100 g)/bag × 1 bag]

Batch No.:

KEEP OUT OF REACH OF CHILDREN.

CAUTION

FIRST AID

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 center or doctor for treatment advice.

If on skin or clothing:

- Take off contaminated clothing.

<ul style="list-style-type: none">• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice. <p>If in eyes:</p> <ul style="list-style-type: none">• 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.• Call a poison control center or doctor for treatment advice. <p>If Swallowed:</p> <ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip one or two glasses of water if able to swallow.• Do not induce vomiting unless told to do so, by the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators of this product must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material
- A NIOSH approved respirator with an organic vapor cartridge with a combination N, R or P filter NIOSH approval prefix TC-84A; or a NIOSH approved gas mask with organic vapor canister NIOSH approval prefix TC- 14G.

Applicators and handlers must 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.

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.

LOGFRESH is a powder that, when mixed with water in an appropriate application system the volatile active ingredient 1-methylcyclopropene (1-MCP) will be released.

APPLICATION METHOD

The fruit ready to store should be timely harvest. Apple should be 80% to 90% mature. After harvest, the fruit should use this product as soon as possible.

The fruit must be used in a confined space; fresh fruit must be barely put. If with the lining bag, there should be a suitable number of holes in order to facilitate the 1-MCP gas into contact with the fruit.

Treatment procedures in cold storage.

1. Before using this product, please confirm that the storage room can be closed timely and adequately, and confirm that there are no obvious cracks and holes in the storage room. If there is any leak in the treatment, prepare a temporary seal before use the 1-MCP, make sure that the door is closed, observe the frost drain, air pipe, safety valve and other locations.
2. After putting fruit in storage, quickly dropping the fruit core temperature to 2 ~ 4 °C. 1-methylcyclopropene fumigation treatment should be carried out at a fruit core temperature of 2 °C.
3. According to the volume of cold storage, calculate the appropriate amount of 1-MCP (according to the table below) and hot water (>90 °C), the amount of hot water should be at least 20 times of the amount of 1-MCP. Excess water may be added for stirring convenience or keeping the water temperature.

Crop to be treated	Treatment Time Duration for Specified Crop (hours)	Rate
Apple	24	35~70 mg LOGFRESH/m ³
Kiwifruit	12	17.5~35 mg LOGFRESH/m ³

The following quantities of LOGFRESH will treat the given volumes at the level of 17.5 mg LOGFRESH/m³:

LOGFRESH (g)	Minimum Amount of Hot Water Added (mL)		Area Treat at 17.5 mg LOGFRESH/m ³	
	mL	ounce	Cubic Meter (m ³)	Cubic feet (ft ³)
0.2	4	0.135	11.4	404
0.5	10	0.338	28.6	1009
1	20	0.676	57.1	2018
2	40	1.35	114	4036
5	100	3.38	286	10090
10	200	6.76	571	20180
15	300	10.14	857	30270
20	400	13.53	1143	40360

50	1000	33.81	2857	100899
100	2000	67.63	5714	201798

The following quantities of LOGFRESH will treat the given volumes at the level of 35 mg LOGFRESH/m³:

LOGFRESH (g)	Minimum Amount of Hot Water Added (mL)		Area Treat at 35 mg LOGFRESH/m ³	
	mL	ounce	Cubic Meter (m ³)	Cubic feet (ft ³)
0.2	4	0.135	5.7	202
0.5	10	0.338	14.3	504
1	20	0.676	28.6	1009
2	40	1.35	57.1	2018
5	100	3.38	143	5045
10	200	6.76	286	10090
15	300	10.14	429	15135
20	400	13.53	571	20180
50	1000	33.81	1429	50450
100	2000	67.63	2857	100899

The following quantities of LOGFRESH will treat the given volumes at the level of 70 mg LOGFRESH/m³:

LOGFRESH (g)	Minimum Amount of Hot Water Added (mL)		Area Treat at 70 mg LOGFRESH/m ³	
	mL	ounce	Cubic Meter (m ³)	Cubic feet (ft ³)
0.2	4	0.135	2.9	101
0.5	10	0.338	7.1	252
1	20	0.676	14.3	504
2	40	1.35	28.6	1009
5	100	3.38	71.4	2522
10	200	6.76	143	5045
15	300	10.14	214	7567
20	400	13.53	286	10090
50	1000	33.81	714	25225
100	2000	67.63	1429	50450

- Use a suitable size plastic bucket as a generator, placed in a good air circulation position. Before operators enter the cold storage, turn off the ethylene, CO₂ removal machine and ozone generator. The operator should wear respiratory mask, protective clothing and latex gloves. After the operators enter the cold storage, close the storage door, add appropriate amount of water at a temperature higher than 90 degrees Centigrade (194 degrees

Fahrenheit) in the plastic bucket, then add 1-MCP product and stir for 2-5 min until its complete dissolution, this time the 1-MCP gas has already released.

5. After the application, the operator must immediately leave and quickly close the storage door. During the fumigation process, it is necessary to keep the cold storage in a sealed state, and personnel are prohibited from entering.
6. During the treatment, open the fan to insure good air circulation within the room. During this period, keep the temperature inside the storage room below 4 ° C.
7. After the treatment, open both the fan and the door for at least 30 min to remove any possible gas residue.

Restricted Entry Interval (REI): Do not enter room until 30 minutes after room has been vented.

RESTRICTIONS

- **Restricted Entry Interval (REI):** 30 minutes after room has been vented
- Do not smoke during application of LOGFRESH

STORAGE AND DISPOSAL
<p>Do not contaminate water, food or feed by storage or disposal.</p> <p>Storage: Store in original packaging in a cool, dry place.</p> <p>Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</p> <p>Container Handling: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty outer foil package in trash. Triple rinse the generator with water after use.</p>