



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:

92261-1

Date of Issuance:

3/10/2020

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

FirmConfirm

Name and Address of Registrant (include ZIP Code):

MirTech, Inc.
 30 Valley Wood Drive
 Somerset, NJ 08873

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. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 92261-1."

Signature of Approving Official:

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

Date:

3/10/2020

3. 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 08/21/2019

Any CSFs other than those listed above are superseded.

If you have any questions, please contact Cheryl Greene by phone at (703) 308-0352 or via email at greene.cheryl@epa.gov.

Sincerely,



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

Enclosure

ACCEPTED

03/10/2020

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 92261-1

FirmConfirm®

Postharvest fruit quality management for the treatment of apples in storage

ACTIVE INGREDIENT:

1-Methylcyclopropene.....**3.3%**

OTHER INGREDIENTS.....**96.7%**

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

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 mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for 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 center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to do so by a 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. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on product use, etc., call the National Pesticides Information Center at 1-800-858-7378 Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

Manufactured for: MirTech, Inc.

30 Valley Wood Drive
Somerset, NJ 08873
Tel: 1-732-322-0258

**EPA Reg. No. 92261-
Lot No.**

EPA Est. No. 92261-NJ-1

Net Contents: [0.004oz (.1g) - 35.274oz (1000g)]

([1-10] individually wrapped [0.004oz (.1g) - 35.274oz (1000g)] pouch[es])

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if inhaled, avoid breathing vapor. Harmful if absorbed through skin. Causes slight eye irritation. Harmful by swallowing. Avoid contact with eyes skin or clothing. Wash thoroughly with soap and water after handling and before eating and drinking, chewing gum, using tobacco, or using toilet. Remove contaminated clothing immediately and wash thoroughly in warm water before reuse.

Environmental Hazards

Do not contaminate water when disposing of equipment washwater or rinsate.

Personal Protective Equipment (PPE)

Applicators of this product must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves made of any waterproof material

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. All applicable directions, restrictions, and precautions must be followed. This labeling must be in the user's possession during application.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

Do not enter enclosed areas until the enclosed area has been vented unless wearing the appropriate PPE. Ventilation shall continue until after fifty (50) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed areas prior to venting is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- 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.

User Safety Recommendations

Wash hands before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Wash thoroughly and put on clean clothing.

GENERAL PRODUCT INFORMATION

FirmConfirm® is an end use product. Do not reformulate or repackage.

FirmConfirm® is an encapsulated form of 1-MCP, which is a gas. During application, 1-MCP is released from FirmConfirm® and comes in contact with the surface of the fruit to render it insensitive to ethylene.

FirmConfirm® is a postharvest application product, and delivers the following benefits to apple growers, packers, shippers, retailers and consumers:

- Effective on a wide range of varieties of apples
- Reduce ethylene responses and slows down ripening and senescence to extend postharvest storage life.
- Improves fruit quality by maintaining firmness, color and titratable acidity, reducing scald, and slowing loss of chlorophyll and starch

FirmConfirm® can be applied to apples at various maturity stages. Application at early maturity stage and repeat applications yield better results. FirmConfirm® is effective under a temperature range of 0.5-22°C (33-72°F). FirmConfirm® must be applied in enclosed areas, such as sealable storage rooms, coolers, and containers, which can be at ambient or refrigerated temperatures, or under controlled atmosphere conditions.

NOTE:

- Maintain cold chain and phytosanitary practices during and after application ensure best results.

Application of FirmConfirm® must be followed as below:

Prior to application, ensure that the package is intact, and the treatment area can be sealed properly and promptly after application, and all the ventilation systems connecting to outside are turned off. Apply FirmConfirm® using a FirmConfirm® release device. The release device is a battery powered mixing tank to mix FirmConfirm® powder in water and release 1-MCP. The application of FirmConfirm® must be followed as below:

- Install new, fully charged batteries to use the FirmConfirm® release device.
- Open the lid of the device and add water to the marked line in the device.
- Place the device close to the door of the storage room.
- Place FirmConfirm® powder into the device. The amount of FirmConfirm® is customized for each application to achieve the target 1-MCP concentration of 800 – 1,000 parts per billion. The application rate is 0.028 to 0.037 oz (0.8-1.04g) per 500 ft³. The table below shows difference pouch sizes of FirmConfirm® and the volume they treat.
- Switch on the device. Immediately leave and seal the storage room. Ensure internal air circulation is on. Turn off any scrubbing devices or ozone-generating equipment. Keep the

treatment area closed and air tight for at least 25 hours to ensure maximum effectiveness of FirmConfirm®.

- After application, switch the device off and remove the batteries. Thoroughly rinse the FirmConfirm® release device with water after each use.

	Weight of FirmConfirm® (oz / g)*	Volume treated (ft ³)
1	0.004 / 0.1	48—60
2	0.007 / 0.2	97—121
3	0.018 / 0.5	242—303
4	0.037 / 1.0	501—626
5	0.071 / 2.0	968—1210
6	0.176 / 5.0	2419—3024
7	0.353 / 10.0	4838—6048
8	0.705 / 20.0	9675—12094
9	1.764 / 50.0	24188—30235
10	3.527 / 100.0	48377—60471
11	7.055 / 200.0	96754—120943
12	17.637 / 500.0	241885—302356
13	35.274 / 1000.0	483770—604713

* Weight of FirmConfirm® is calculated based on target concentration of 800—1,000 parts per billion of 1-MCP in apple storage rooms at 0.5°C (33°F).

Re-Entry

After the treatment area is sealed, post a sign on all entrances to the treatment area. The sign should read:

**DO NOT ENTER AREA.
FirmConfirm® TREATMENT IN PROGRESS.**

Restrictions

- **Restricted Entry Period (REI):** 50 minutes after room has been vented
- Do not smoke during the FirmConfirm® application.
- Maximum use rate: one to three applications depending on the fruit, at a maximum single use of 800—1,000 parts per billion (volume/volume in air).

STORAGE AND DISPOSAL

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

Pesticide Storage: Ensure the original package is intact and store it in original package in a cool and dry place. Do not store at temperatures above 25°C (77°F).

Pesticide Disposal: Wastes resulting from the use of this product should be disposed of on site or at an approved waste disposal facility. Wastes cannot be chemically reprocessed or re-used.

Container Handling: Offer foil packaging for recycling if available or dispose of empty

NOTICE OF WARRANTY

MirTech Inc. warrants that the chemical composition of this product conforms to its chemical description and is reasonably suited for the labeled use when applied according to the Directions for Use.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MirTech MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, WHICH ARE EXPRESSLY DISCLAIMED. It is impossible to eliminate all risks inherently associated with the use of this product. Handling, storage and use of the product by Buyer or User are beyond the control of MirTech and Seller. Ineffectiveness or other unintended consequences resulting from, but not limited to factors such as weather conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by the Buyer or User. Any damage arising from a breach of MirTech's warranty shall be limited to direct damages, and shall not include indirect damages resulting from

FirmConfirm® is a registered trademark of MirTech Inc.

**MirTech Inc.
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